

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
B1F1R1P1-01	FAIL	TIA Cat 6A Perm. Link	81.4 m	6.1 dB (NEXT)	11/10/2017 02:00
B1F1R1P1-02	PASS	TIA Cat 6A Perm. Link	37.8 m	5.9 dB (NEXT)	11/10/2017 02:04
B1F1R1P1-05	PASS	TIA Cat 6A Channel	50.4 m	6.8 dB (NEXT)	17/10/2017 22:31
B1F1R1P1-06	FAIL	TIA Cat 6A Channel	97.6 m	6.8 dB (NEXT)	17/10/2017 22:32
B1F1R1P1-08	PASS	TIA Cat 6A Channel	4.7 m	20.1 dB (NEXT)	17/10/2017 22:30

Total Length:	271.9 m
Number of Reports:	5
Number of Passing Reports:	3
Number of Failing Reports:	2
Number of Warning Reports:	0
Documentation Only:	0

Cable ID: B1F1R1P1-01

Date / Time: 11/10/2017 02:00:46

Headroom 6.1 dB (NEXT 45-78)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Software Version: V5.2 Build 1

Limits Version: V6.1

Calibration Start Date:

Main (Tester): 11/10/2017

Remote (Tester): 11/10/2017

Test Summary: FAIL

Model: DSX-600

Main S/N: 17300437

Remote S/N: 17300558

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (m), Limit 90.0	[Pair 12]	81.4
Prop. Delay (ns), Limit 498	[Pair 78]	413
Delay Skew (ns), Limit 44	[Pair 78]	15
Resistance (ohms)	[Pair 45]	12.15
Insertion Loss Margin (dB)	[Pair 78]	-3.8 F
Frequency (MHz)	[Pair 78]	449.0
Limit (dB)	[Pair 78]	41.1

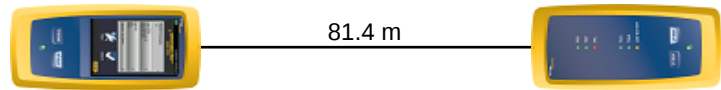
Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	36-45	36-45
NEXT (dB)	6.1	6.6	6.8	6.6
Freq. (MHz)	301.0	432.0	496.0	432.0
Limit (dB)	34.0	28.8	26.8	28.8
Worst Pair	36	78	36	36
PS NEXT (dB)	7.3	8.0	7.3	8.1
Freq. (MHz)	496.0	20.1	496.0	433.0
Limit (dB)	23.9	50.6	23.9	25.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-F (dB)	12.0	10.7	12.0	10.7
Freq. (MHz)	377.0	413.0	377.0	413.0
Limit (dB)	12.7	11.9	12.7	11.9
Worst Pair	36	45	36	45
PS ACR-F (dB)	12.8	13.2	12.8	14.1
Freq. (MHz)	498.0	413.0	498.0	497.0
Limit (dB)	7.2	8.9	7.2	7.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	36-45	36-45
ACR-N (dB)	3.4	2.9	4.7	2.9
Freq. (MHz)	300.0	432.0	496.0	432.0
Limit (dB)	1.4	-11.4	-16.8	-11.4
Worst Pair	45	45	36	36
PS ACR-N (dB)	4.0	5.4	5.2	9.4
Freq. (MHz)	434.0	432.0	498.0	500.0
Limit (dB)	-14.4	-14.2	-19.8	-20.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	78	45	78
RL (dB)	3.1	0.6*	5.5	0.6
Freq. (MHz)	52.8	444.0	497.0	444.0
Limit (dB)	16.8	8.0	8.0	8.0

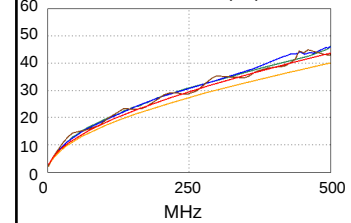


Wire Map (T568B)

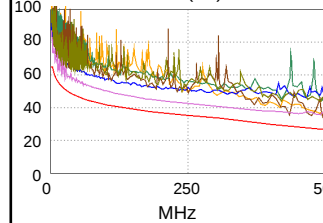
PASS



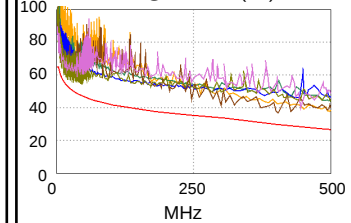
Insertion Loss (dB)



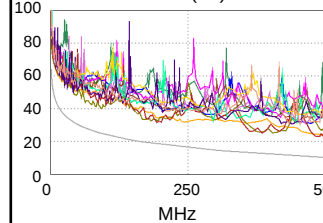
NEXT (dB)



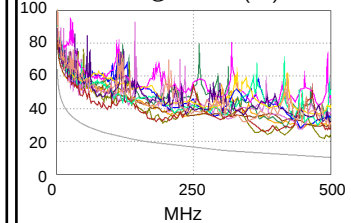
NEXT @ Remote (dB)



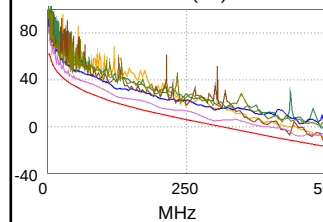
ACR-F (dB)



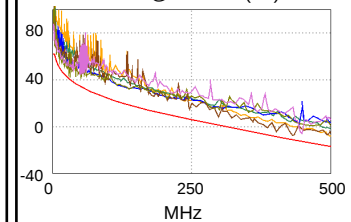
ACR-F @ Remote (dB)



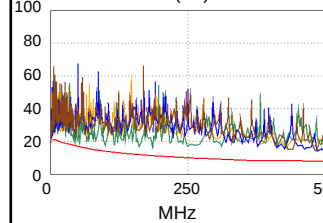
ACR-N (dB)



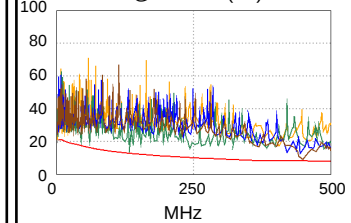
ACR-N @ Remote (dB)



RL (dB)



RL @ Remote (dB)



* Measurement is within the accuracy limits of the instrument.



Cable ID: B1F1R1P1-02

Date / Time: 11/10/2017 02:04:27

Headroom 5.9 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Software Version: V5.2 Build 1

Limits Version: V6.1

Calibration Start Date:

Main (Tester): 11/10/2017

Remote (Tester): 11/10/2017

Test Summary: PASS

Model: DSX-600

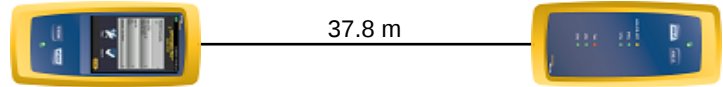
Main S/N: 17300437

Remote S/N: 17300558

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (m), Limit 90.0	[Pair 36]	37.8
Prop. Delay (ns), Limit 498	[Pair 12]	187
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 78]	6.60
Insertion Loss Margin (dB)	[Pair 36]	24.3
Frequency (MHz)	[Pair 36]	489.0
Limit (dB)	[Pair 36]	43.2

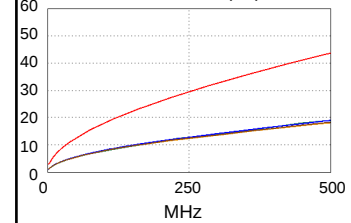


Wire Map (T568B)

PASS

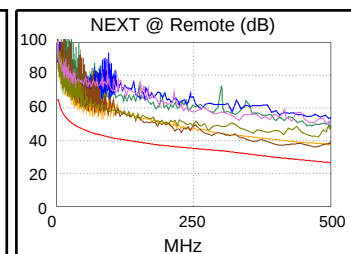
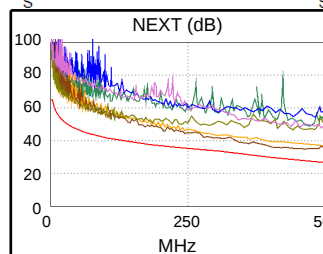


Insertion Loss (dB)

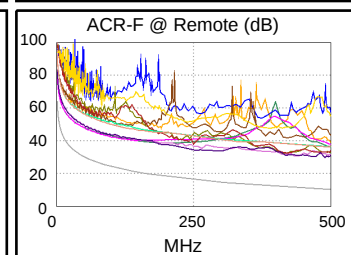
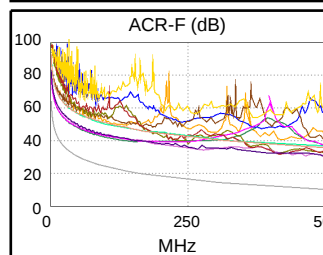


Worst Case Margin Worst Case Value

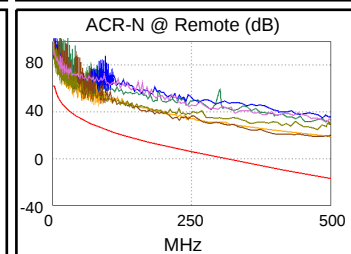
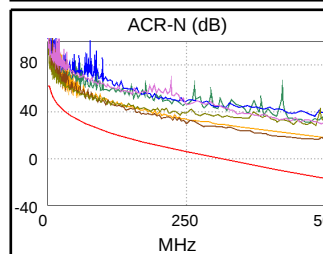
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	5.9	7.4	6.6	8.6
Freq. (MHz)	422.0	400.0	455.0	469.0
Limit (dB)	29.1	29.9	28.0	27.6
Worst Pair	36	36	36	36
PS NEXT (dB)	7.1	8.0	8.3	8.9
Freq. (MHz)	408.0	414.0	485.0	470.0
Limit (dB)	26.8	26.6	24.2	24.7



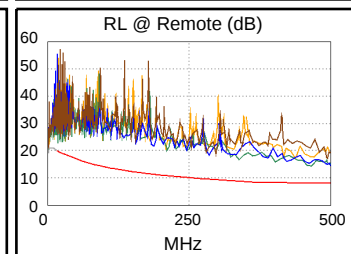
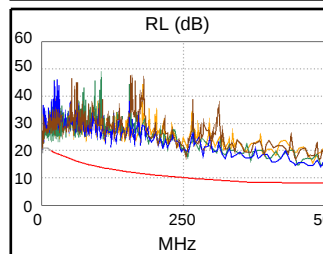
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	78-36	78-36
ACR-F (dB)	16.8	16.8	17.8	18.3
Freq. (MHz)	8.0	6.3	436.0	462.0
Limit (dB)	46.1	48.3	11.4	10.9
Worst Pair	12	12	36	36
PS ACR-F (dB)	18.6	18.4	19.1	20.5
Freq. (MHz)	1.5	1.0	436.0	489.0
Limit (dB)	57.7	61.2	8.4	7.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	36-45
ACR-N (dB)	17.7	18.2	32.2	32.7
Freq. (MHz)	5.4	8.1	486.0	469.0
Limit (dB)	58.0	54.3	-16.0	-14.6
Worst Pair	36	36	36	36
PS ACR-N (dB)	17.7	18.0	32.5	33.1
Freq. (MHz)	8.0	10.6	485.0	476.0
Limit (dB)	52.1	49.4	-18.8	-18.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	36
RL (dB)	4.6	4.9	5.8	6.3
Freq. (MHz)	18.0	18.0	471.0	488.0
Limit (dB)	19.7	19.7	8.0	8.0



Compliant Network Standards:

10BASE-T 100BASE-TX
1000BASE-T 10GBASE-T
ATM-51 ATM-155
TR-4 TR-16 Active

100BASE-T4
ATM-25
100VG-AnyLan
TR-16 Passive



Cable ID: B1F1R1P1-05

Date / Time: 17/10/2017 22:31:22

Headroom 6.8 dB (NEXT 12-36)

Test Limit: TIA Cat 6A Channel

Cable Type: Cat 6A F/UTP

NVP: 74.0%

Software Version: V5.2 Build 1

Limits Version: V6.1

Calibration Start Date:

Main (Tester): 11/10/2017

Remote (Tester): 11/10/2017

Test Summary: PASS

Model: DSX-600

Main S/N: 17300437

Remote S/N: 17300558

Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (m), Limit 100.0	[Pair 36]	50.4
Prop. Delay (ns), Limit 555	[Pair 12]	229
Delay Skew (ns), Limit 50	[Pair 12]	2
Resistance (ohms)	[Pair 45]	12.12
Insertion Loss Margin (dB)	[Pair 45]	24.4
Frequency (MHz)	[Pair 45]	493.0
Limit (dB)	[Pair 45]	48.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	12-36
NEXT (dB)	6.8	8.5	6.8	9.7
Freq. (MHz)	500.0	439.0	500.0	500.0
Limit (dB)	26.1	27.6	26.1	26.1
Worst Pair	36	36	36	36
PS NEXT (dB)	8.5	9.4	8.6	9.7
Freq. (MHz)	499.0	439.0	500.0	488.0
Limit (dB)	23.3	24.7	23.2	23.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	14.3	14.7	14.4	14.7
Freq. (MHz)	416.0	458.0	458.0	458.0
Limit (dB)	10.9	10.0	10.0	10.0
Worst Pair	36	36	36	45
PS ACR-F (dB)	15.6	16.7	16.1	17.1
Freq. (MHz)	416.0	411.0	458.0	458.0
Limit (dB)	7.9	8.0	7.0	7.0

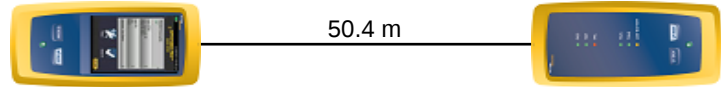
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	12-36
ACR-N (dB)	17.4	16.6	31.7	34.6
Freq. (MHz)	4.4	10.6	500.0	500.0
Limit (dB)	58.1	49.5	-23.2	-23.2
Worst Pair	36	36	36	36
PS ACR-N (dB)	17.5	17.0	33.5	34.0
Freq. (MHz)	2.5	4.3	500.0	488.0
Limit (dB)	58.7	55.8	-26.1	-25.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	4.0	4.8	12.4	10.3
Freq. (MHz)	9.5	9.4	466.0	451.0
Limit (dB)	19.0	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T 100BASE-TX
1000BASE-T 10GBASE-T
ATM-51 ATM-155
TR-4 TR-16 Active

100BASE-T4
ATM-25
100VG-AnyLan
TR-16 Passive

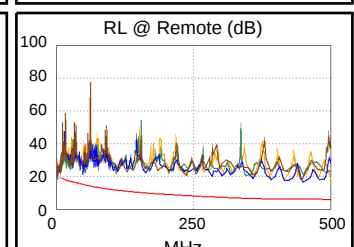
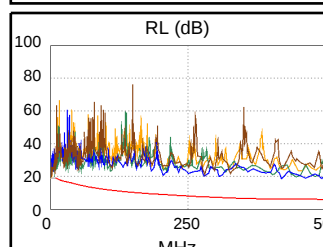
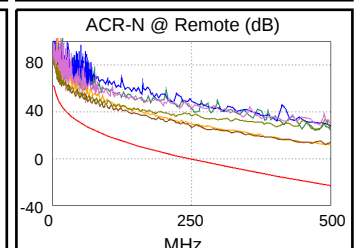
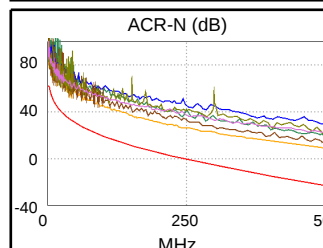
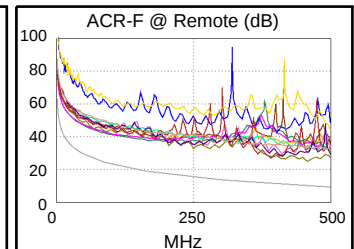
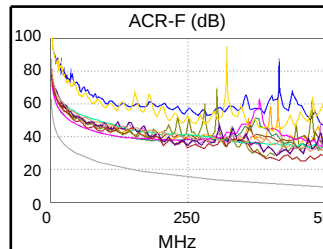
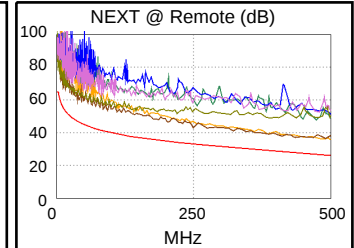
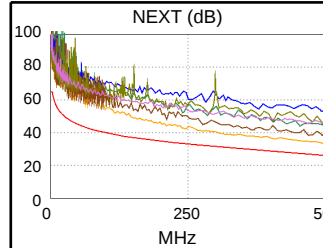
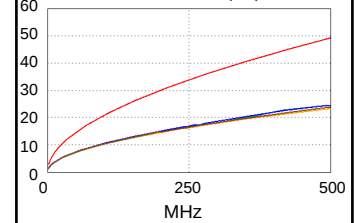


Wire Map (T568B)

PASS



Insertion Loss (dB)



Cable ID: B1F1R1P1-06

Date / Time: 17/10/2017 22:32:09

Headroom 6.8 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Channel

Cable Type: Cat 6A F/UTP

NVP: 74.0%

Software Version: V5.2 Build 1

Limits Version: V6.1

Calibration Start Date:

Main (Tester): 11/10/2017

Remote (Tester): 11/10/2017

Test Summary: FAIL

Model: DSX-600

Main S/N: 17300437

Remote S/N: 17300558

Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (m), Limit 100.0	[Pair 12]	97.6
Prop. Delay (ns), Limit 555	[Pair 78]	455
Delay Skew (ns), Limit 50	[Pair 78]	15
Resistance (ohms)	[Pair 45]	17.41
Insertion Loss Margin (dB)	[Pair 78]	-3.8 F
Frequency (MHz)	[Pair 78]	448.0
Limit (dB)	[Pair 78]	46.4

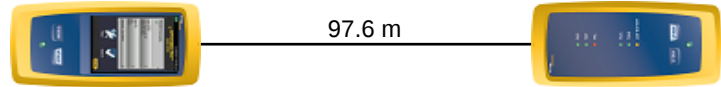
Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	36-45
NEXT (dB)	6.8	9.3	6.8	11.3
Freq. (MHz)	496.0	21.5	496.0	434.0
Limit (dB)	26.2	51.1	26.2	27.8
Worst Pair	36	36	36	36
PS NEXT (dB)	7.1	11.0	7.1	13.7
Freq. (MHz)	497.0	20.3	497.0	496.0
Limit (dB)	23.3	48.9	23.3	23.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
ACR-F (dB)	9.8	10.6	9.8	10.6
Freq. (MHz)	500.0	394.0	500.0	394.0
Limit (dB)	9.3	11.3	9.3	11.3
Worst Pair	36	45	36	45
PS ACR-F (dB)	11.2	12.8	11.2	12.8
Freq. (MHz)	498.0	394.0	498.0	394.0
Limit (dB)	6.3	8.3	6.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	36-45
ACR-N (dB)	5.0	8.5	5.4	11.8
Freq. (MHz)	419.0	21.5	497.0	496.0
Limit (dB)	-16.6	41.6	-23.0	-22.9
Worst Pair	36	78	36	36
PS ACR-N (dB)	6.0	10.4	6.0	12.7
Freq. (MHz)	498.0	21.5	498.0	496.0
Limit (dB)	-25.9	39.0	-25.9	-25.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	45	78
RL (dB)	4.7	5.1	11.9	5.2
Freq. (MHz)	2.6	2.5	490.0	448.0
Limit (dB)	19.0	19.0	6.0	6.0

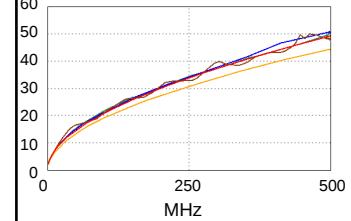


Wire Map (T568B)

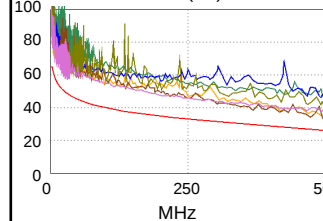
PASS



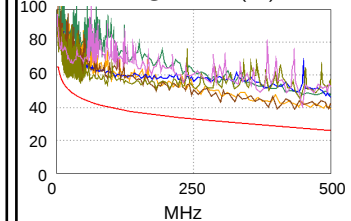
Insertion Loss (dB)



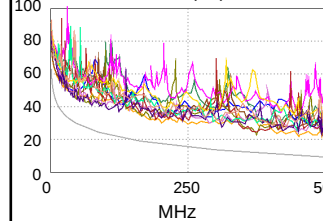
NEXT (dB)



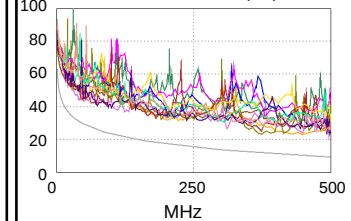
NEXT @ Remote (dB)



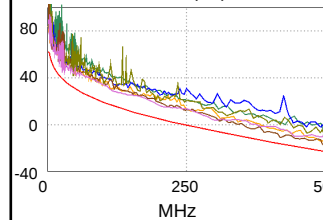
ACR-F (dB)



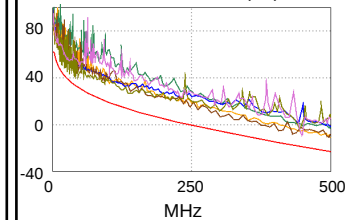
ACR-F @ Remote (dB)



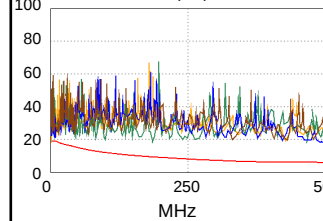
ACR-N (dB)



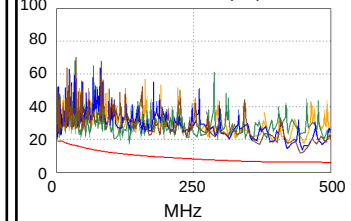
ACR-N @ Remote (dB)



RL (dB)



RL @ Remote (dB)





Cable ID: B1F1R1P1-08

Date / Time: 17/10/2017 22:30:12

Headroom 20.1 dB (NEXT 36-78)

Test Limit: TIA Cat 6A Channel

Cable Type: Cat 6A F/UTP

NVP: 74.0%

Software Version: V5.2 Build 1

Limits Version: V6.1

Calibration Start Date:

Main (Tester): 11/10/2017

Remote (Tester): 11/10/2017

Test Summary: PASS

Model: DSX-600

Main S/N: 17300437

Remote S/N: 17300558

Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (m), Limit 100.0	[Pair 12]	4.7
Prop. Delay (ns), Limit 555	[Pair 12]	21
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 78]	2.13
Insertion Loss Margin (dB)	[Pair 45]	46.5
Frequency (MHz)	[Pair 45]	498.0
Limit (dB)	[Pair 45]	49.2

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-45	12-36
NEXT (dB)	20.8	20.1	26.0	25.1
Freq. (MHz)	3.9	2.8	500.0	498.0
Limit (dB)	63.3	65.0	26.1	26.1
Worst Pair	36	36	36	36
PS NEXT (dB)	19.4	20.1	25.4	25.4
Freq. (MHz)	3.9	3.3	488.0	487.0
Limit (dB)	60.8	62.0	23.5	23.5

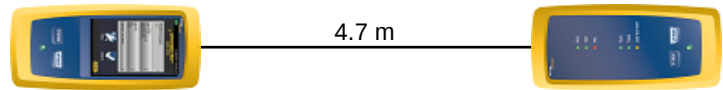
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	19.6	19.7	19.7	19.7
Freq. (MHz)	341.0	387.0	388.0	387.0
Limit (dB)	12.6	11.5	11.5	11.5
Worst Pair	36	36	36	36
PS ACR-F (dB)	21.7	21.1	22.0	21.8
Freq. (MHz)	359.0	339.0	406.0	409.0
Limit (dB)	9.2	9.7	8.1	8.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	12-36
ACR-N (dB)	24.4	23.4	72.7	71.8
Freq. (MHz)	3.1	2.8	500.0	498.0
Limit (dB)	61.1	61.5	-23.2	-23.1
Worst Pair	36	36	36	36
PS ACR-N (dB)	23.3	23.4	71.7	71.7
Freq. (MHz)	3.9	2.8	488.0	487.0
Limit (dB)	56.7	58.5	-25.1	-25.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	6.7	7.2	11.4	9.1
Freq. (MHz)	4.8	4.4	328.0	330.0
Limit (dB)	19.0	19.0	6.8	6.8

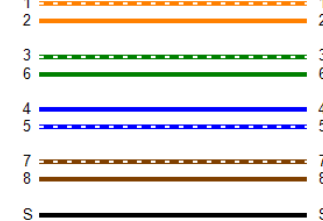
Compliant Network Standards:

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



Wire Map (T568B)

PASS



Insertion Loss (dB)

