

Cable ID: 001

PASS

Cat 6A U/UTP
04/06/2015 04:23 PM

TIA Cat 6A Perm. Link
DSX-5000

Headroom (NEXT): 6.5 dB
S/N: 2766008

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 36, 500.0 MHz	PASS	39.3	43.8	4.5
NEXT (dB)	Pair 12-36, 307.0 MHz	PASS	40.2	33.7	6.5
PS NEXT (dB)	Pair 36, 492.0 MHz	PASS	31.7	24.0	7.7
ACR-N (dB)	Pair 12-36, 293.0 MHz	N/A	11.2	2.0	9.2
PS ACR-N (dB)	Pair 36, 293.0 MHz	N/A	10.4	-0.7	11.1
ACR-F (dB)	Pair 78-45, 47.5 MHz	PASS	47.2	30.7	16.5
PS ACR-F (dB)	Pair 45, 1.5 MHz	PASS	74.2	57.7	16.5
RL (dB)	Pair 78, 4.0 MHz	PASS	27.7	21.0	6.7
Length (m)	Pair 45	PASS	81.6	90.0	8.4
Prop. Delay (ns)	Pair 36	PASS	406	498	92
Delay Skew (ns)	Pair 36	PASS	7	44	37
Resistance (ohms)	Pair 36		12.3		
Wire Map		PASS			

Cable ID: 003

PASS

Cat 6A U/UTP
04/06/2015 04:50 PM

TIA Cat 6A Perm. Link
DSX-5000

Headroom (NEXT): 8.4 dB
S/N: 2766008

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 36, 500.0 MHz	PASS	16.8	43.8	27.0
NEXT (dB)	Pair 12-36, 311.0 MHz	PASS	41.9	33.5	8.4
PS NEXT (dB)	Pair 36, 493.0 MHz	PASS	33.2	24.0	9.2
ACR-N (dB)	Pair 12-36, 9.0 MHz	N/A	68.7	53.3	15.4
PS ACR-N (dB)	Pair 36, 5.9 MHz	N/A	70.0	54.9	15.1
ACR-F (dB)	Pair 45-78, 12.6 MHz	PASS	58.6	42.2	16.4
PS ACR-F (dB)	Pair 45, 10.6 MHz	PASS	57.2	40.7	16.5
RL (dB)	Pair 12, 145.5 MHz	PASS	19.4	12.4	7.0
Length (m)	Pair 45	PASS	33.9	90.0	56.1
Prop. Delay (ns)	Pair 36	PASS	169	498	329
Delay Skew (ns)	Pair 36	PASS	3	44	41
Resistance (ohms)	Pair 36		5.3		
Wire Map		PASS			

Total Length:	230.2 m
Number of Reports:	2
Number of Passing Reports:	2
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0



Cable ID: 001

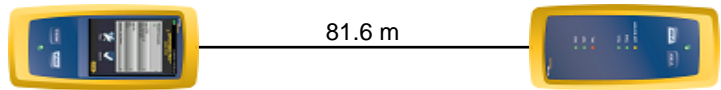
Date / Time: 04/06/2015 04:23:20 PM
Headroom 6.5 dB (NEXT 12-36)
Test Limit: TIA Cat 6A Perm. Link
 Cable Type: Cat 6A U/UTP
 Calibration Date: 08/05/2014

Operator: CLAUDIU GL[GAN
 Software Version: V3.0 Build 6
 Limits Version: V3.0
 NVP: 68.2%

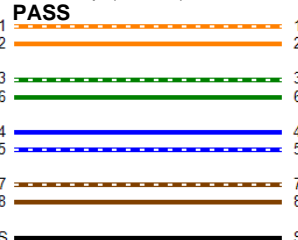
Test Summary: PASS

Model: DSX-5000
 Main S/N: 2766008
 Remote S/N: 2766291
 Main Adapter: DSX-PLA004
 Remote Adapter: DSX-PLA004

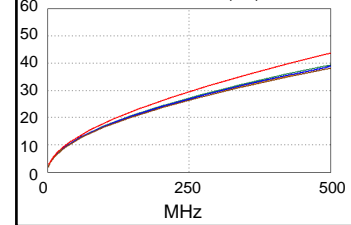
Length (m), Limit 90.0	[Pair 45]	81.6
Prop. Delay (ns), Limit 498	[Pair 36]	406
Delay Skew (ns), Limit 44	[Pair 36]	7
Resistance (ohms)	[Pair 36]	12.3
Insertion Loss Margin (dB)	[Pair 36]	4.5
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	43.8



Wire Map (T568B)

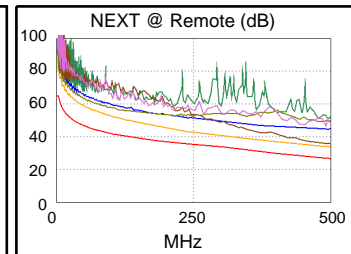
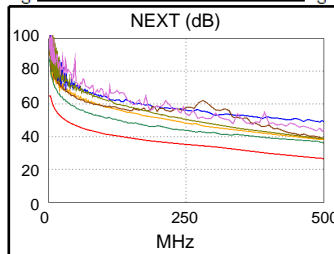


Insertion Loss (dB)

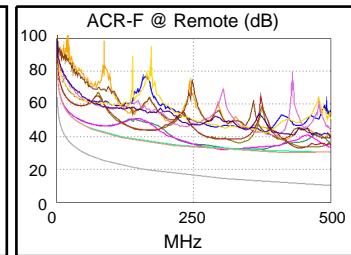
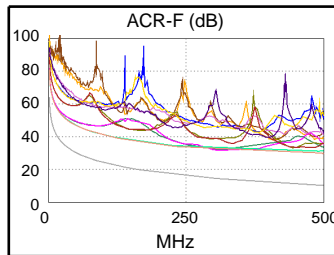


Worst Case Margin Worst Case Value

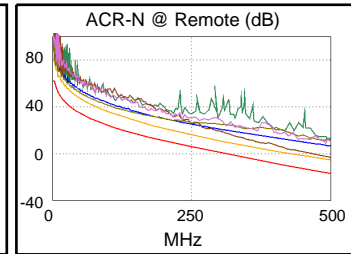
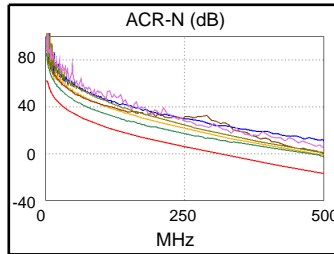
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	7.6	6.5	9.5	7.2
Freq. (MHz)	288.0	307.0	500.0	500.0
Limit (dB)	34.3	33.7	26.7	26.7
Worst Pair	12	36	36	36
PS NEXT (dB)	8.8	7.7	10.0	7.8
Freq. (MHz)	309.0	492.0	500.0	500.0
Limit (dB)	31.0	24.0	23.8	23.8



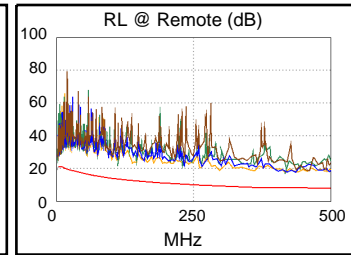
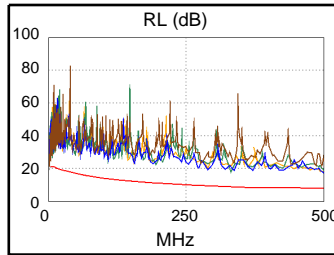
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	45-78	78-45
ACR-F (dB)	16.5	16.5	19.3	18.7
Freq. (MHz)	47.5	79.8	447.0	447.0
Limit (dB)	30.7	26.2	11.2	11.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	16.5	16.6	20.4	19.6
Freq. (MHz)	1.5	5.1	500.0	447.0
Limit (dB)	57.7	47.0	7.2	8.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
ACR-N (dB)	10.3	9.2	14.4	11.7
Freq. (MHz)	144.5	293.0	500.0	500.0
Limit (dB)	17.4	2.0	-17.1	-17.1
Worst Pair	12	36	36	36
PS ACR-N (dB)	11.8	11.1	14.5	12.3
Freq. (MHz)	289.0	293.0	500.0	500.0
Limit (dB)	-0.3	-0.7	-20.0	-20.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	12	36	12
RL (dB)	6.7	8.5	8.4	8.5
Freq. (MHz)	4.0	364.0	333.0	364.0
Limit (dB)	21.0	8.4	8.8	8.4



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: 003

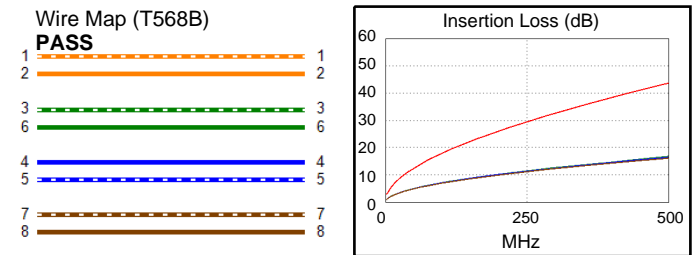
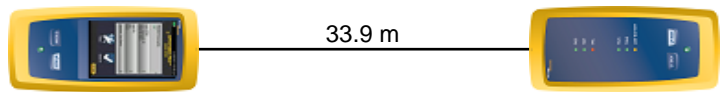
Date / Time: 04/06/2015 04:50:34 PM
Headroom 8.4 dB (NEXT 12-36)
Test Limit: TIA Cat 6A Perm. Link
 Cable Type: Cat 6A U/UTP
 Calibration Date: 08/05/2014

Operator: CLAUDIU GL[GAN
 Software Version: V3.0 Build 6
 Limits Version: V3.0
 NVP: 68.2%

Test Summary: PASS

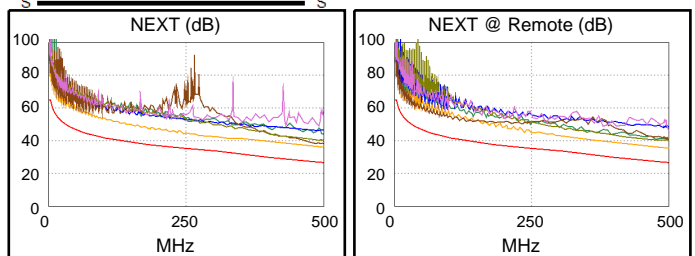
Model: DSX-5000
 Main S/N: 2766008
 Remote S/N: 2766291
 Main Adapter: DSX-PLA004
 Remote Adapter: DSX-PLA004

Length (m), Limit 90.0	[Pair 45]	33.9
Prop. Delay (ns), Limit 498	[Pair 36]	169
Delay Skew (ns), Limit 44	[Pair 36]	3
Resistance (ohms)	[Pair 36]	5.3
Insertion Loss Margin (dB)	[Pair 36]	27.0
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	43.8

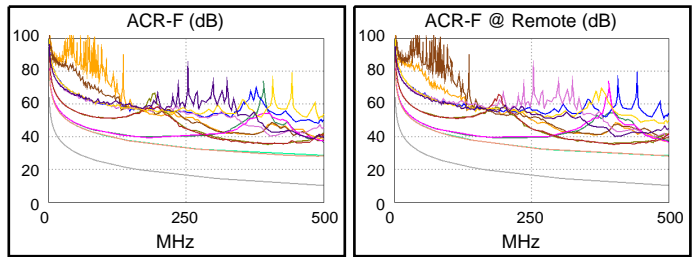


Worst Case Margin Worst Case Value

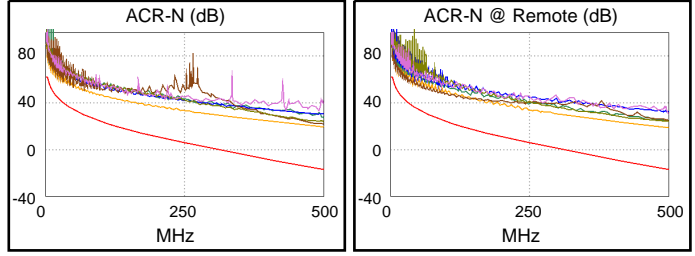
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	8.4	8.7	9.3	8.7
Freq. (MHz)	311.0	500.0	494.0	500.0
Limit (dB)	33.5	26.7	26.8	26.7
Worst Pair	36	36	36	36
PS NEXT (dB)	9.2	9.4	9.2	9.6
Freq. (MHz)	493.0	471.0	493.0	500.0
Limit (dB)	24.0	24.7	24.0	23.8



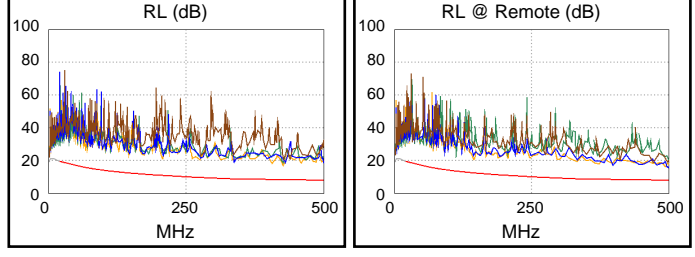
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	78-45
ACR-F (dB)	16.4	16.4	17.7	17.9
Freq. (MHz)	12.6	10.6	491.0	500.0
Limit (dB)	42.2	43.7	10.4	10.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	16.5	16.5	20.0	20.2
Freq. (MHz)	10.6	12.6	491.0	500.0
Limit (dB)	40.7	39.2	7.4	7.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	12-36
ACR-N (dB)	15.4	15.8	36.5	35.7
Freq. (MHz)	9.0	6.1	500.0	500.0
Limit (dB)	53.3	56.8	-17.1	-17.1
Worst Pair	36	36	36	36
PS ACR-N (dB)	15.2	15.1	36.5	36.6
Freq. (MHz)	5.9	5.9	500.0	500.0
Limit (dB)	54.9	54.9	-20.0	-20.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	45
RL (dB)	8.8	7.0	8.8	7.8
Freq. (MHz)	426.0	145.5	426.0	499.0
Limit (dB)	8.0	12.4	8.0	8.0



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