



Cable ID: 70196-1

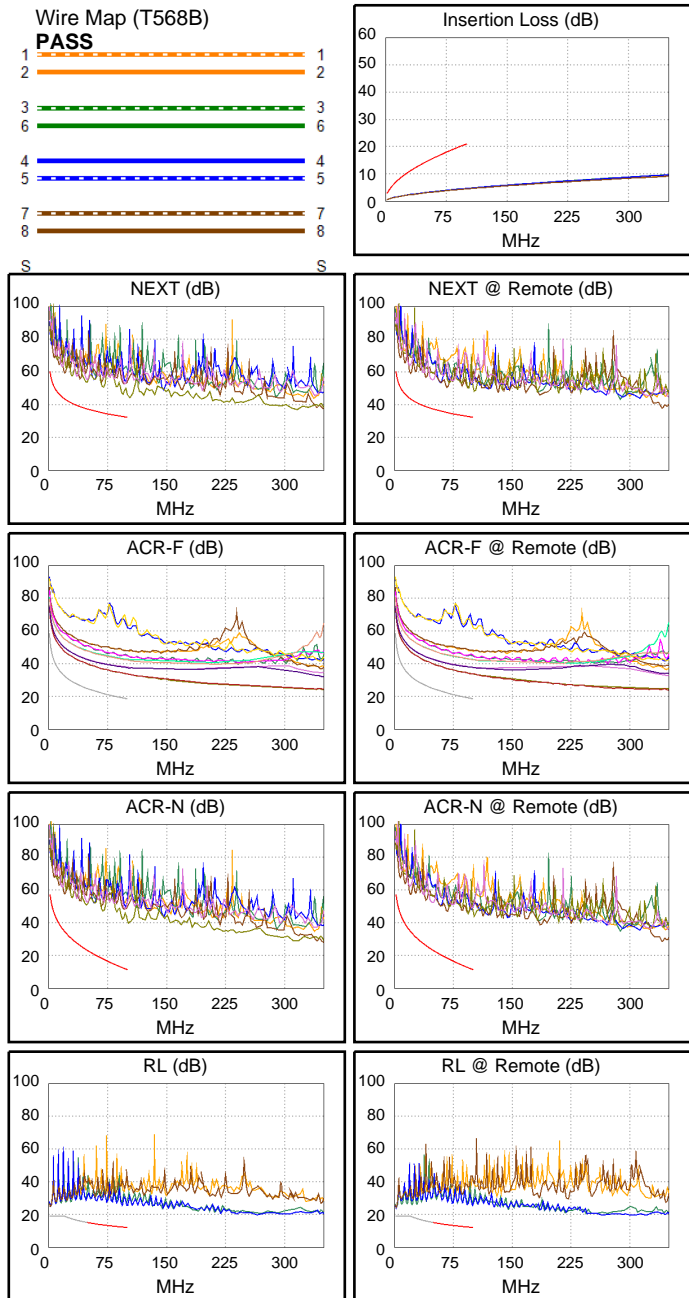
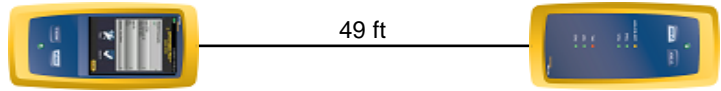
Date / Time: 05/10/2019 03:36:04 PM
Headroom 13.7 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

Operator: HONESTY
 Software Version: V6.1 Build 3
 Limits Version: V7.1
 Calibration Date:
 Main (Module): 02/06/2018
 Remote (Module): 02/06/2018

Test Summary: PASS

Model: DSX-8000
 Main S/N: 1803463
 Remote S/N: 1803429
 Main Adapter: DSX-PLA804
 Remote Adapter: DSX-PLA804

Length (ft), Limit 295	[Pair 78]	49
Prop. Delay (ns), Limit 498	[Pair 36]	78
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	2.87
Insertion Loss Margin (dB)	[Pair 36]	16.4
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-78
NEXT (dB)	13.7	15.3	13.8	17.2
Freq. (MHz)	94.5	67.0	100.0	94.3
Limit (dB)	32.7	35.2	32.3	32.7
Worst Pair	36	36	36	36
PS NEXT (dB)	15.7	17.1	16.0	17.3
Freq. (MHz)	94.5	68.0	100.0	94.0
Limit (dB)	29.7	32.1	29.3	29.7
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	36-45
ACR-F (dB)	14.7	14.7	15.1	15.1
Freq. (MHz)	67.3	67.3	100.0	100.0
Limit (dB)	22.1	22.1	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	15.7	15.7	16.5	16.5
Freq. (MHz)	19.6	19.6	100.0	100.0
Limit (dB)	29.8	29.8	15.6	15.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
ACR-N (dB)	21.8	21.9	30.4	33.2
Freq. (MHz)	6.5	6.5	100.0	94.3
Limit (dB)	46.5	46.5	11.3	12.4
Worst Pair	45	45	36	36
PS ACR-N (dB)	24.3	24.1	32.4	33.0
Freq. (MHz)	7.4	20.0	100.0	94.0
Limit (dB)	42.3	31.8	8.3	9.5
PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	13.1	13.3	13.3	13.5
Freq. (MHz)	93.5	93.0	100.0	99.8
Limit (dB)	12.3	12.3	12.0	12.0

Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 2.5GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive



Cable ID: 70196-2

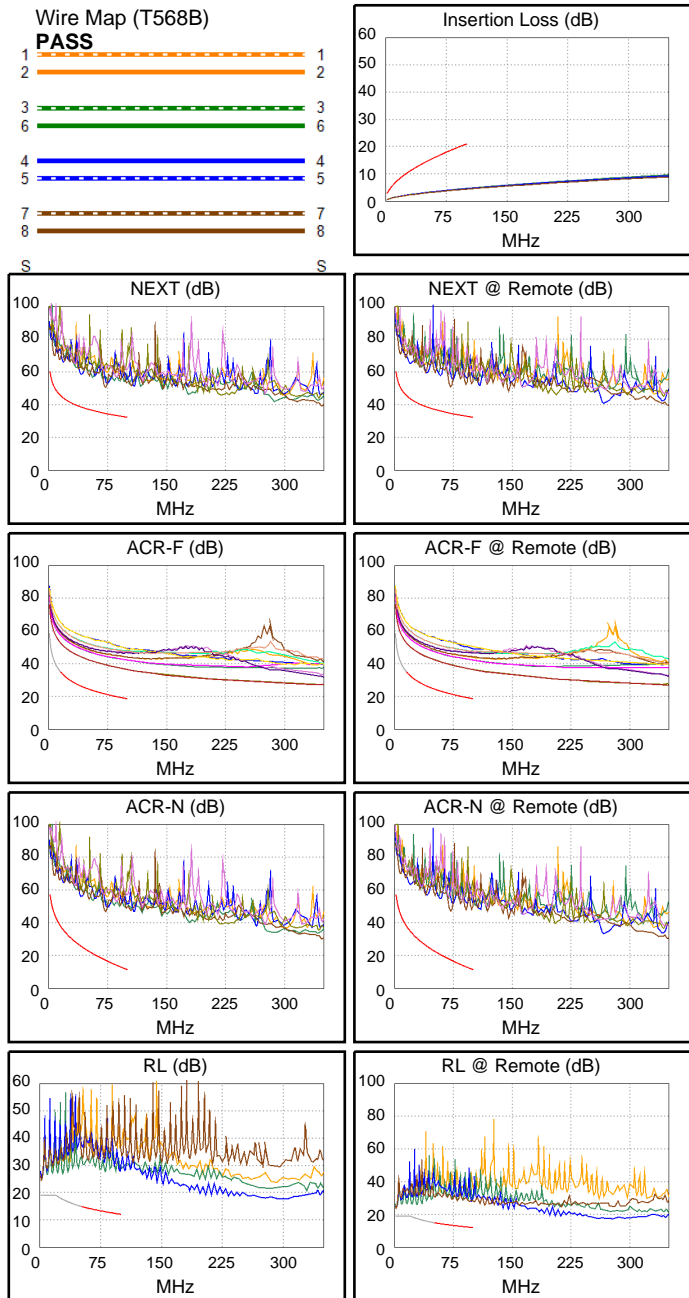
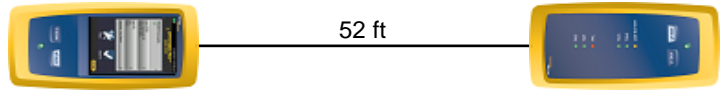
Date / Time: 05/10/2019 03:37:10 PM
Headroom 15.9 dB (NEXT 36-45)
Test Limit: TIA Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

Operator: HONESTY
 Software Version: V6.1 Build 3
 Limits Version: V7.1
 Calibration Date:
 Main (Module): 02/06/2018
 Remote (Module): 02/06/2018

Test Summary: PASS

Model: DSX-8000
 Main S/N: 1803463
 Remote S/N: 1803429
 Main Adapter: DSX-PLA804
 Remote Adapter: DSX-PLA804

Length (ft), Limit 295	[Pair 78]	52
Prop. Delay (ns), Limit 498	[Pair 36]	78
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	2.84
Insertion Loss Margin (dB)	[Pair 36]	16.4
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	15.9	16.1	15.9	16.1
Freq. (MHz)	72.5	71.5	72.5	71.5
Limit (dB)	34.6	34.7	34.6	34.7
Worst Pair	45	45	45	36
PS NEXT (dB)	17.9	18.6	17.9	18.7
Freq. (MHz)	72.8	70.8	72.8	71.5
Limit (dB)	31.6	31.8	31.6	31.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	17.5	17.5	17.9	17.8
Freq. (MHz)	8.4	8.4	100.0	100.0
Limit (dB)	40.2	40.2	18.6	18.6
Worst Pair	45	36	45	45
PS ACR-F (dB)	18.9	18.9	19.6	19.6
Freq. (MHz)	8.4	8.4	100.0	100.0
Limit (dB)	37.2	37.2	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	23.2	24.2	29.7	29.9
Freq. (MHz)	6.9	6.6	72.5	71.5
Limit (dB)	46.0	46.3	17.0	17.2
Worst Pair	12	36	45	36
PS ACR-N (dB)	25.3	26.6	31.8	32.4
Freq. (MHz)	2.1	6.6	72.8	71.5
Limit (dB)	53.1	43.3	13.9	14.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	45
RL (dB)	13.7	13.4	15.7	15.9
Freq. (MHz)	47.3	47.3	100.0	98.5
Limit (dB)	15.3	15.3	12.0	12.1

Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 2.5GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive



Cable ID: 70196-3

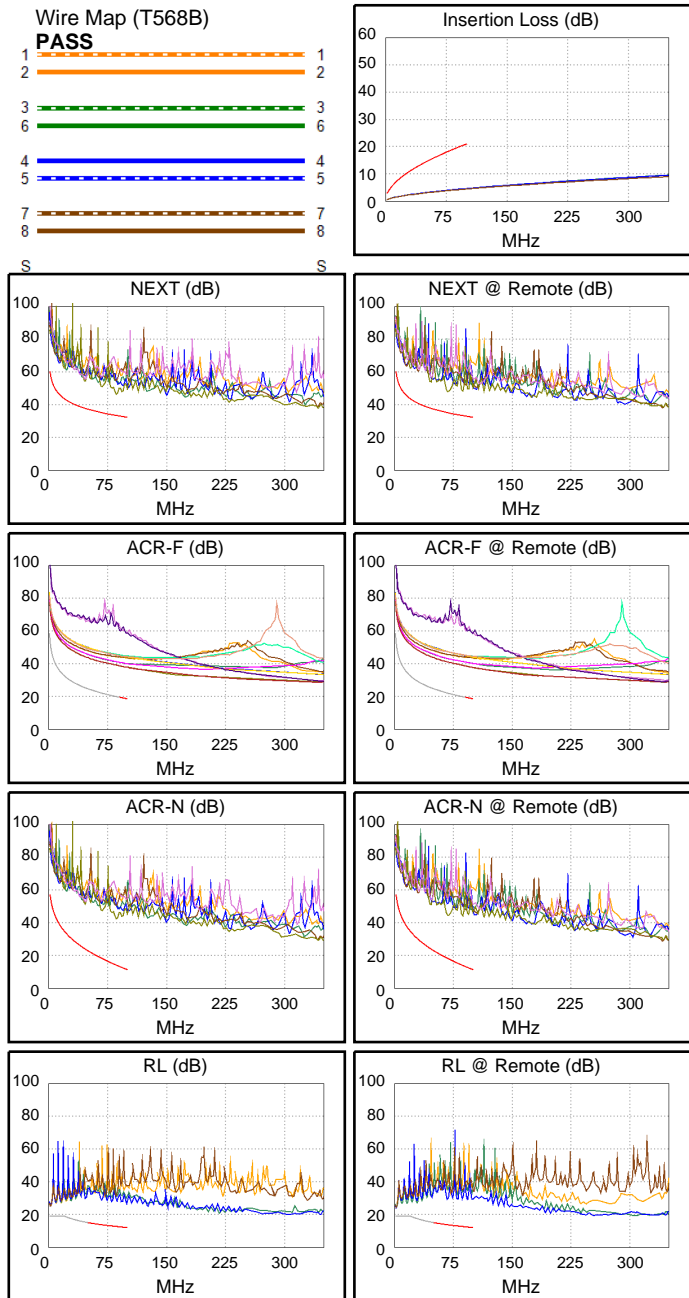
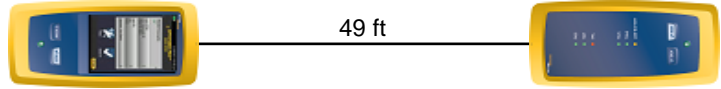
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Headroom 12.8 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

Operator: HONESTY
 Software Version: V6.1 Build 3
 Limits Version: V7.1
 Calibration Date:
 Main (Module): 02/06/2018
 Remote (Module): 02/06/2018

Test Summary: PASS

Model: DSX-8000
 Main S/N: 1803463
 Remote S/N: 1803429
 Main Adapter: DSX-PLA804
 Remote Adapter: DSX-PLA804

Length (ft), Limit 295	[Pair 78]	49
Prop. Delay (ns), Limit 498	[Pair 36]	78
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	2.86
Insertion Loss Margin (dB)	[Pair 36]	16.4
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	12.9	12.8	13.0	12.9
Freq. (MHz)	86.3	68.0	86.5	68.5
Limit (dB)	33.4	35.1	33.3	35.0
Worst Pair	36	78	36	78
PS NEXT (dB)	15.1	14.7	15.2	14.7
Freq. (MHz)	86.3	68.0	86.5	68.0
Limit (dB)	30.4	32.1	30.3	32.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	36-45
ACR-F (dB)	18.8	18.7	19.0	19.0
Freq. (MHz)	54.0	40.5	97.3	97.3
Limit (dB)	24.0	26.5	18.9	18.9
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.8	18.8	19.7	19.7
Freq. (MHz)	1.5	3.3	100.0	100.0
Limit (dB)	52.1	45.4	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-45	36-78	36-78
ACR-N (dB)	24.9	23.8	28.3	30.2
Freq. (MHz)	13.3	14.6	86.5	86.8
Limit (dB)	39.4	38.3	14.0	13.9
Worst Pair	78	78	36	36
PS ACR-N (dB)	25.6	25.2	30.3	32.1
Freq. (MHz)	13.3	13.4	86.5	87.0
Limit (dB)	36.4	36.3	11.0	10.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	14.3	15.2	14.6	16.6
Freq. (MHz)	47.3	47.3	99.5	99.8
Limit (dB)	15.3	15.3	12.0	12.0

Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 2.5GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive



Cable ID: 70196-4

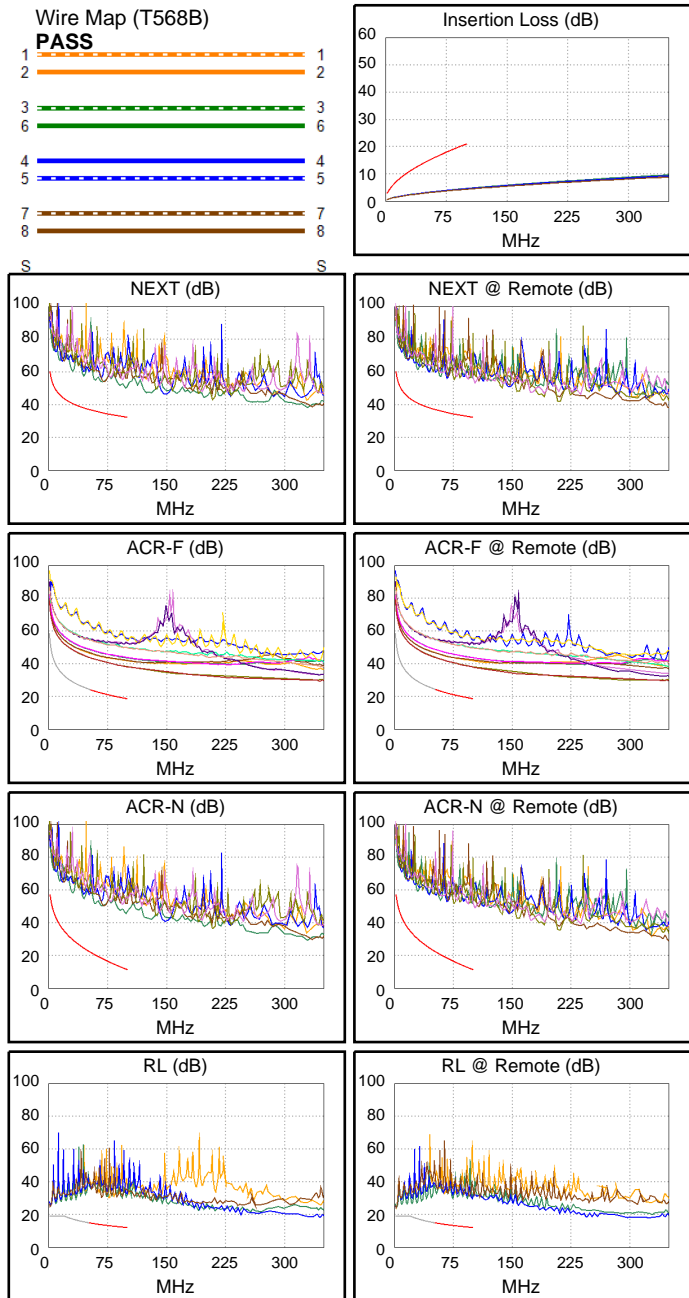
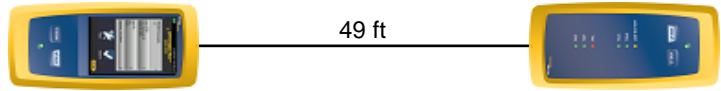
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Headroom 17.8 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

Operator: HONESTY
 Software Version: V6.1 Build 3
 Limits Version: V7.1
 Calibration Date:
 Main (Module): 02/06/2018
 Remote (Module): 02/06/2018

Test Summary: PASS

Model: DSX-8000
 Main S/N: 1803463
 Remote S/N: 1803429
 Main Adapter: DSX-PLA804
 Remote Adapter: DSX-PLA804

Length (ft), Limit 295	[Pair 78]	49
Prop. Delay (ns), Limit 498	[Pair 36]	78
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	2.86
Insertion Loss Margin (dB)	[Pair 36]	16.4
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	36-78
NEXT (dB)	17.8	20.6	17.8	21.3
Freq. (MHz)	98.5	29.4	98.5	76.5
Limit (dB)	32.4	41.0	32.4	34.2
Worst Pair	45	12	45	45
PS NEXT (dB)	19.0	21.9	19.4	23.3
Freq. (MHz)	68.8	30.1	98.5	100.0
Limit (dB)	32.0	37.8	29.4	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	19.3	19.3	19.4	19.3
Freq. (MHz)	94.0	100.0	100.0	100.0
Limit (dB)	19.2	18.6	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	20.2	20.1	20.8	20.7
Freq. (MHz)	39.5	38.3	100.0	100.0
Limit (dB)	23.7	24.0	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	36-78
ACR-N (dB)	25.7	25.4	34.1	39.7
Freq. (MHz)	6.4	4.6	98.5	96.3
Limit (dB)	46.7	49.6	11.6	12.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	26.4	26.5	35.7	39.8
Freq. (MHz)	6.4	4.6	98.5	100.0
Limit (dB)	43.7	46.6	8.6	8.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	45
RL (dB)	16.4	15.0	17.7	17.5
Freq. (MHz)	67.8	47.3	93.3	99.0
Limit (dB)	13.7	15.3	12.3	12.1

Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 2.5GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive



Cable ID: 70196-5

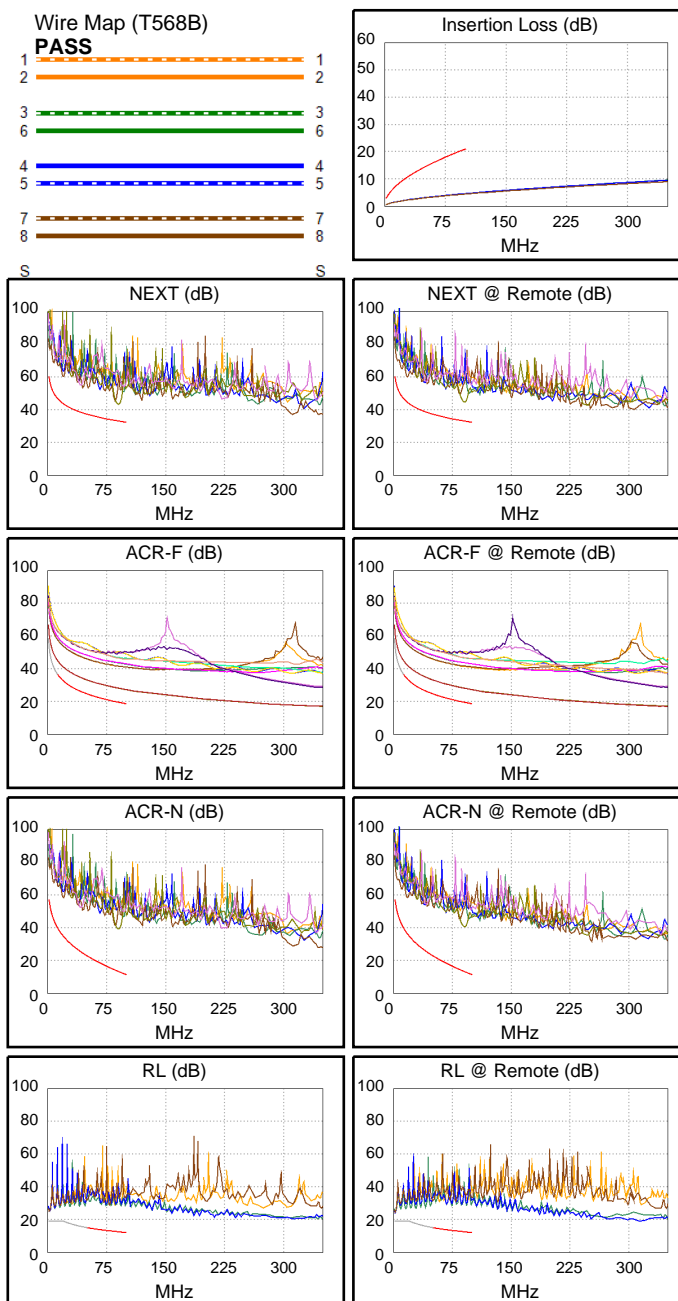
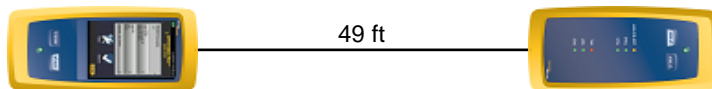
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Headroom 10.2 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

Operator: HONESTY
 Software Version: V6.1 Build 3
 Limits Version: V7.1
 Calibration Date:
 Main (Module): 02/06/2018
 Remote (Module): 02/06/2018

Test Summary: PASS

Model: DSX-8000
 Main S/N: 1803463
 Remote S/N: 1803429
 Main Adapter: DSX-PLA804
 Remote Adapter: DSX-PLA804

Length (ft), Limit 295	[Pair 78]	49
Prop. Delay (ns), Limit 498	[Pair 36]	78
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	2.88
Insertion Loss Margin (dB)	[Pair 36]	16.5
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	10.2	11.7	10.3	11.7
Freq. (MHz)	90.0	91.0	90.5	91.0
Limit (dB)	33.1	33.0	33.0	33.0
Worst Pair	36	36	36	36
PS NEXT (dB)	11.9	14.3	11.9	14.3
Freq. (MHz)	87.0	90.8	87.0	90.8
Limit (dB)	30.3	30.0	30.3	30.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	8.1	8.1	8.6	8.6
Freq. (MHz)	1.3	1.3	100.0	100.0
Limit (dB)	56.7	56.7	18.6	18.6
Worst Pair	36	36	45	36
PS ACR-F (dB)	10.8	10.9	11.4	11.4
Freq. (MHz)	1.3	6.0	100.0	100.0
Limit (dB)	53.7	40.1	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
ACR-N (dB)	21.4	19.1	26.0	27.5
Freq. (MHz)	2.5	3.9	90.5	91.0
Limit (dB)	54.8	51.1	13.2	13.1
Worst Pair	45	45	36	36
PS ACR-N (dB)	22.6	21.1	27.1	29.9
Freq. (MHz)	2.6	3.9	87.0	90.8
Limit (dB)	51.4	48.1	10.9	10.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	13.2	13.0	14.7	13.1
Freq. (MHz)	47.3	47.3	74.8	47.5
Limit (dB)	15.3	15.3	13.3	15.2

Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 2.5GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive



Cable ID: 70196-6

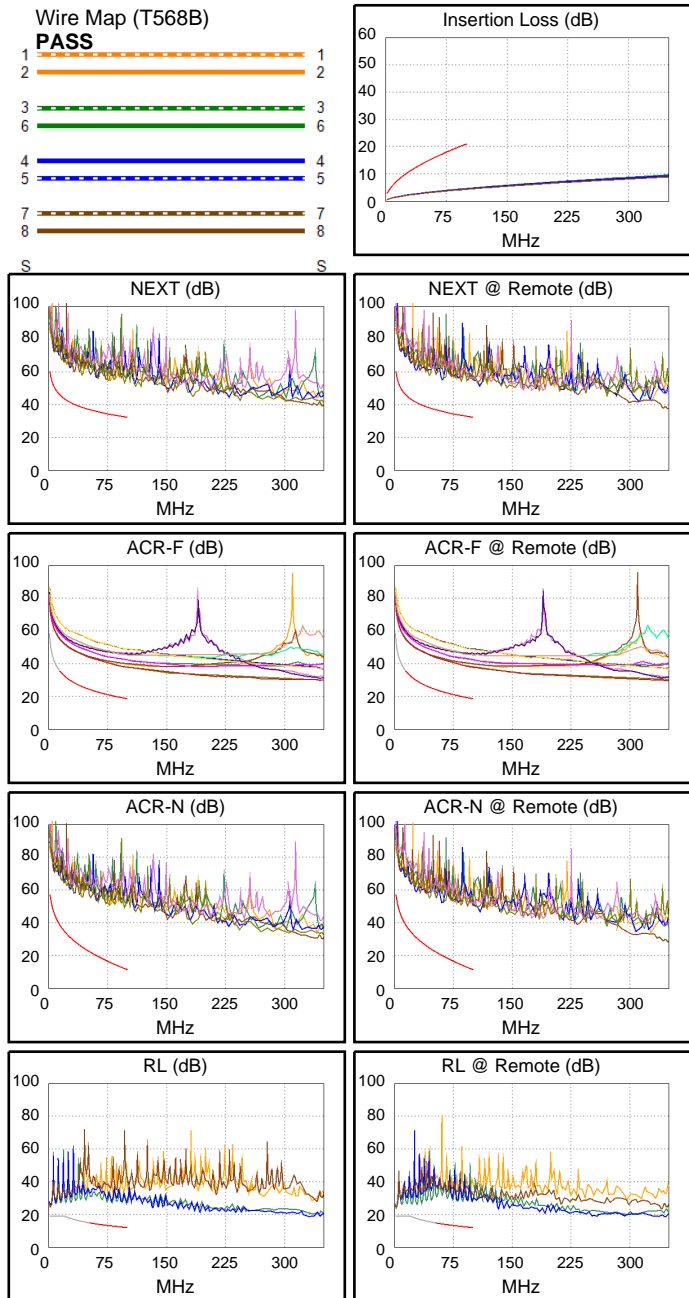
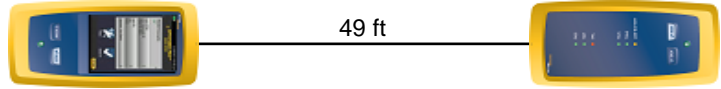
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Headroom 19.4 dB (NEXT 12-78)
Test Limit: TIA Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

Operator: HONESTY
 Software Version: V6.1 Build 3
 Limits Version: V7.1
 Calibration Date:
 Main (Module): 02/06/2018
 Remote (Module): 02/06/2018

Test Summary: PASS

Model: DSX-8000
 Main S/N: 1803463
 Remote S/N: 1803429
 Main Adapter: DSX-PLA804
 Remote Adapter: DSX-PLA804

Length (ft), Limit 295	[Pair 78]	49
Prop. Delay (ns), Limit 498	[Pair 36]	78
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	2.85
Insertion Loss Margin (dB)	[Pair 36]	16.4
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-78	36-78	36-78
NEXT (dB)	19.7	19.4	21.0	21.1
Freq. (MHz)	42.5	60.8	96.8	85.3
Limit (dB)	38.4	35.9	32.5	33.4
Worst Pair	78	36	36	36
PS NEXT (dB)	20.7	20.9	22.1	20.9
Freq. (MHz)	62.5	85.8	97.3	85.8
Limit (dB)	32.7	30.4	29.5	30.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	19.0	19.0	19.2	19.1
Freq. (MHz)	95.0	95.0	100.0	100.0
Limit (dB)	19.1	19.1	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	18.7	18.7	19.7	19.7
Freq. (MHz)	20.0	20.0	100.0	100.0
Limit (dB)	29.6	29.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-45
ACR-N (dB)	25.4	25.9	37.4	37.6
Freq. (MHz)	6.9	6.6	96.8	93.0
Limit (dB)	46.0	46.3	11.9	12.7
Worst Pair	36	36	36	36
PS ACR-N (dB)	26.4	26.5	38.3	36.0
Freq. (MHz)	7.3	6.9	97.3	85.8
Limit (dB)	42.5	43.0	8.8	11.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	13.5	13.3	14.9	14.5
Freq. (MHz)	47.3	47.3	99.5	80.5
Limit (dB)	15.3	15.3	12.0	13.0

Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 2.5GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive