



Cable ID: 1-C001

Date / Time: 09/04/2007 01:18:09
Headroom 14.1 dB (NEXT 45-78)
Test Limit: ISO11801 PL max Class D
 Cable Type: Cat 6A UTP
 Calibration Date: 10/11/2004

Operator: TONY CASE
 Software Version: 1.4513
 Limits Version: 1.2000
 NVP: 68.2%

Test Summary: PASS

Model: DTX-1800
 Main S/N: 8582197
 Remote S/N: 8649008
 Main Adapter: DTX-PLA002
 Remote Adapter: DTX-PLA002

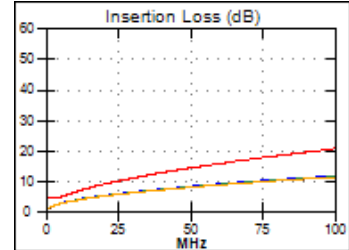
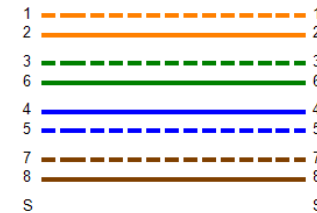
Length (m)	[Pair 12]	63.4
Prop. Delay (ns), Limit 498	[Pair 45]	329
Delay Skew (ns), Limit 44	[Pair 45]	19
Resistance (ohms), Limit 21.0	[Pair 45]	8.4
Insertion Loss Margin (dB)	[Pair 45]	8.9
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	20.4



63.4 m

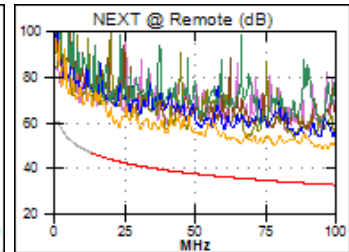
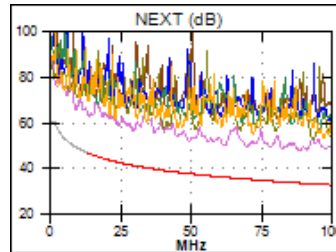


Wire Map (T568B)
PASS

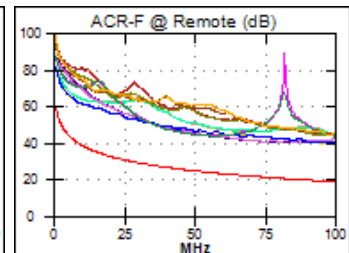
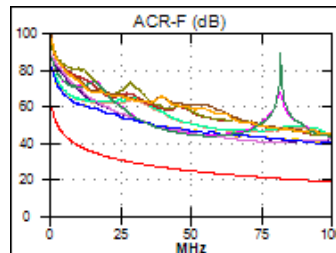


Worst Case Margin Worst Case Value

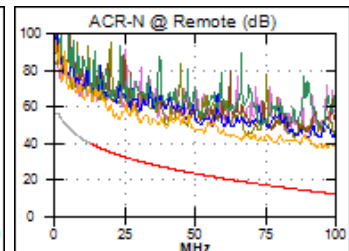
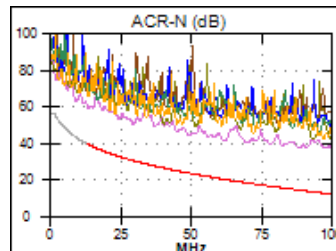
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	45-78	12-36
NEXT (dB)	14.1	15.2	14.3	15.9
Freq. (MHz)	62.3	23.1	88.8	97.5
Limit (dB)	35.7	42.7	33.2	32.5
Worst Pair	78	36	45	12
PS NEXT (dB)	16.8	17.2	17.2	17.9
Freq. (MHz)	62.3	40.3	89.0	95.3
Limit (dB)	32.7	35.8	30.1	29.7



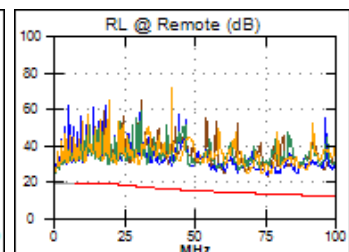
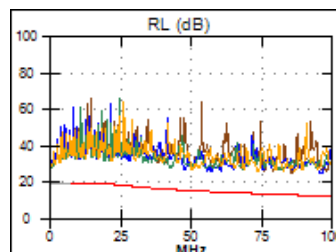
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	78-36	12-78	78-12
ACR-F (dB)	19.3	19.3	20.6	20.6
Freq. (MHz)	68.8	74.3	94.8	94.5
Limit (dB)	21.9	21.2	19.1	19.1
Worst Pair	78	78	78	78
PS ACR-F (dB)	19.7	19.6	21.1	21.0
Freq. (MHz)	67.3	67.8	95.8	97.0
Limit (dB)	19.1	19.0	16.0	15.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	45-78	12-36
ACR-N (dB)	19.7	19.4	23.1	24.9
Freq. (MHz)	29.8	23.1	88.8	97.5
Limit (dB)	30.2	33.3	14.0	12.4
Worst Pair	45	36	45	12
PS ACR-N (dB)	21.9	21.8	25.5	27.0
Freq. (MHz)	13.8	23.1	89.0	95.3
Limit (dB)	36.1	30.3	11.0	9.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	78
RL (dB)	11.2	10.0	12.2	10.0
Freq. (MHz)	56.0	76.3	96.5	76.3
Limit (dB)	14.5	13.2	12.2	13.2



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



Cable ID: 1-C001

Date / Time: 09/04/2007 01:18:09
Headroom 14.1 dB (NEXT 45-78)
Test Limit: ISO11801 PL max Class D
 Cable Type: Cat 6A UTP
 Calibration Date: 10/11/2004

Operator: TONY CASE
 Software Version: 1.4513
 Limits Version: 1.2000
 NVP: 68.2%

Test Summary: PASS

Model: DTX-1800
 Main S/N: 8582197
 Remote S/N: 8649008
 Main Adapter: DTX-PLA002
 Remote Adapter: DTX-PLA002

Network Tests

Connection Speed:	100 MBit - Full Duplex	DTX Address:	129.196.181.80
Supported Speeds:	10/100 MBit - Half Duplex 10/100 MBit - Full Duplex	Subnet Mask:	255.255.254.0
MDI Crossover Status:	MDI	Power over Ethernet	
Pin Reversal:	No	PoE Pairs:	12-36
		PoE Adequate Power:	Yes

Ping Tests	Status	Round Trip Time (ms)			
		Max.	Min.	Avg.	Std. Dev.
129.196.180.1 - Gateway Received 5 of 5 (100%)	Good	2.7	1.3	1.6	0.6
129.196.128.97 - DHCP Server Received 5 of 5 (100%)	Good	1.0	1.0	1.0	0.0
129.196.128.97 - DNS Server Received 5 of 5 (100%)	Good	1.0	0.9	1.0	0.0

Cable ID: 1-C002

Date / Time: 09/04/2007 01:11:48
Cable Type: Cat 6A UTP
Calibration Date: 01/09/2005

Operator: NIGEL WILSON
Software Version: 1.4513
NVP: 68.2%

Test Summary: N/A

Model: DTX-1800
Main S/N: 8582197
Main Adapter: DTX-NSM
Remote Adapter: DTX-NSM

Network Tests

Connection Speed:	100 MBit - Full Duplex	DTX Address:	129.196.181.80
Supported Speeds:	10/100 MBit - Half Duplex 10/100 MBit - Full Duplex	Subnet Mask:	255.255.254.0
MDI Crossover Status:	MDI	Power over Ethernet	
Pin Reversal:	No	PoE Pairs:	45-78
		PoE Adequate Power:	Yes

Ping Tests	Status	Round Trip Time (ms)			
		Max.	Min.	Avg.	Std. Dev.
129.196.180.1 - Gateway Received 50 of 50 (100%)	Good	4.2	1.2	1.4	0.5
129.196.132.34 - DHCP Server Received 50 of 50 (100%)	Good	1.8	0.9	1.1	0.2
129.196.128.97 - DNS Server Received 50 of 50 (100%)	Good	1.7	0.9	1.1	0.2



Cable ID: 3A-K017

Date / Time: 02/03/2007 11:52:11
Headroom 10.7 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Channel
 Cable Type: Cat 6 UTP
 Calibration Date: 10/11/2004

Operator: Helmut
 Software Version: 1.3100
 Limits Version: 1.0200
 NVP: 69.0%

Test Summary: PASS

Model: DTX-1800
 Main S/N: 8582197
 Remote S/N: 8649008
 Main Adapter: DTX-CHA001
 Remote Adapter: DTX-CHA001

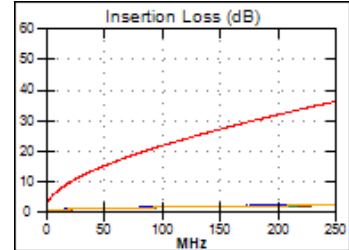
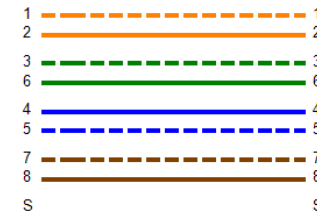
Length (m), Limit 100.0	[Pair 12]	4.8
Prop. Delay (ns), Limit 555	[Pair 12]	23
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	1.0
Insertion Loss Margin (dB)	[Pair 45]	33.9
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	35.9



4.8 m



Wire Map (T568B)
PASS



Worst Case Margin Worst Case Value

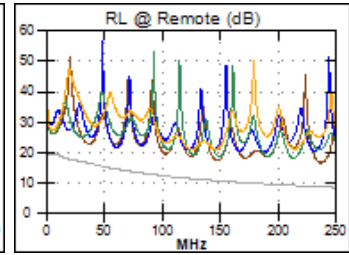
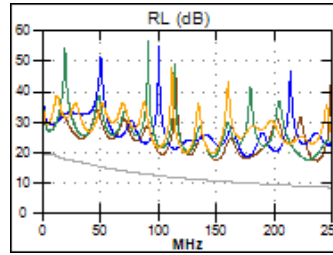
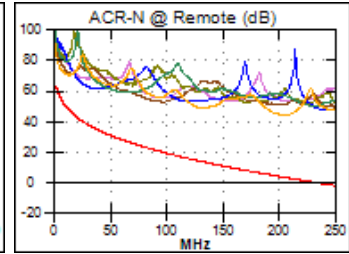
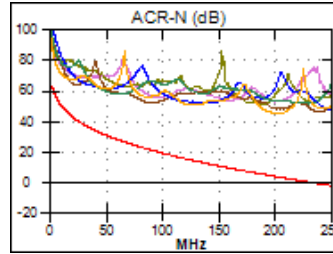
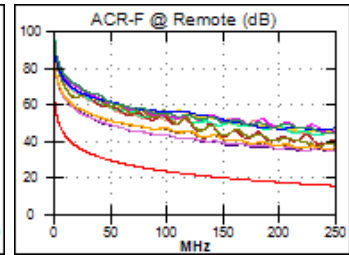
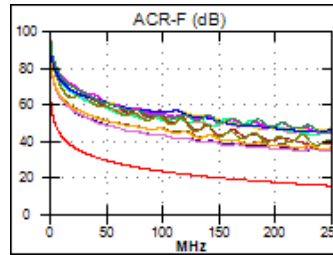
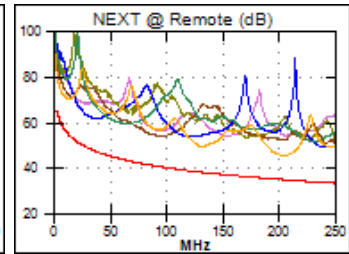
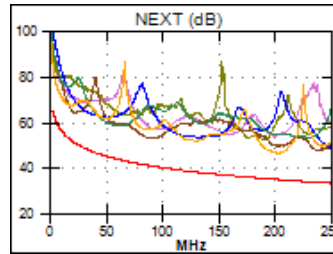
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	11.7	10.7	11.7	10.7
Freq. (MHz)	202.5	202.5	202.5	204.5
Limit (dB)	34.7	34.7	34.7	34.6
Worst Pair	36	36	36	36
PS NEXT (dB)	12.7	12.7	12.7	12.7
Freq. (MHz)	202.5	202.0	202.5	204.0
Limit (dB)	31.8	31.8	31.8	31.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	78-36	36-78
ACR-F (dB)	17.9	17.9	18.6	18.6
Freq. (MHz)	155.0	155.0	247.0	247.0
Limit (dB)	19.5	19.5	15.4	15.4
Worst Pair	36	36	36	36
PS ACR-F (dB)	18.0	18.2	18.4	18.4
Freq. (MHz)	223.0	215.5	247.5	242.0
Limit (dB)	13.3	13.6	12.4	12.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	20.9	18.8	41.9	41.0
Freq. (MHz)	8.5	4.9	202.5	204.5
Limit (dB)	51.9	57.2	2.9	2.7
Worst Pair	36	36	36	36
PS ACR-N (dB)	22.1	19.8	42.9	43.0
Freq. (MHz)	9.3	4.9	202.5	204.0
Limit (dB)	48.5	54.7	0.0	-0.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	6.9	6.4	8.6	7.9
Freq. (MHz)	149.5	36.5	238.0	238.5
Limit (dB)	10.3	16.2	8.2	8.2

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





Cable ID: 3A-K017

Date / Time: 02/03/2007 11:52:11
Headroom 10.7 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Channel
 Cable Type: Cat 6 UTP
 Calibration Date: 10/11/2004

Operator: Helmut
 Software Version: 1.3100
 Limits Version: 1.0200
 NVP: 69.0%

Test Summary: PASS

Model: DTX-1800
 Main S/N: 8582197
 Remote S/N: 8649008
 Main Adapter: DTX-CHA001
 Remote Adapter: DTX-CHA001

Network Tests

Connection Speed:	100 MBit - Full Duplex	DTX Address:	129.196.181.203
Supported Speeds:	10/100 MBit - Half Duplex 10/100 MBit - Full Duplex	Subnet Mask:	255.255.254.0
MDI Crossover Status:	MDI	Power over Ethernet	
Pin Reversal:	No	PoE Pairs:	12-36
		PoE Adequate Power:	Yes

Ping Tests	Status	Round Trip Time (ms)			
		Max.	Min.	Avg.	Std. Dev.
129.196.180.1 - Gateway Received 5 of 5 (100%)	Good	3.0	1.5	1.8	0.6
129.196.128.97 - DHCP Server Received 5 of 5 (100%)	Good	1.8	1.1	1.3	0.3
129.196.128.97 - DNS Server Received 5 of 5 (100%)	Good	1.9	1.1	1.4	0.3



Cable ID: FIBER 01

Date / Time: 21/03/2003 03:48:45 n = 1,4960 (850nm)
Cable Type: Generic, 62.5 MBW200/500 n = 1,4910 (1300nm)

Test Summary: PASS

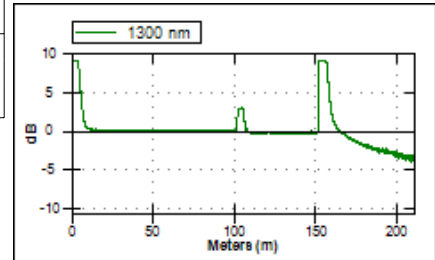
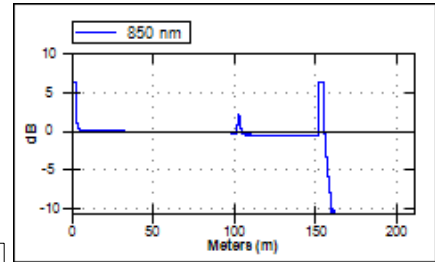
End1 Name: DATA CENTER
End2 Name: CLOSET

OTDR End2 PASS

Date / Time: 21/03/2003 03:48:35 Tester: OptiFiber (HM29 V1.2.0)
Test Limit: General Fiber Module: OFTM-5612 (8172009)
Operator: SAM Calibration Date: 19/03/2003
No Launch Compensation

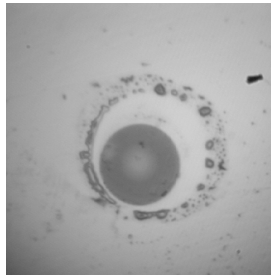
Overall Results		850 nm	1300 nm	Limit
Overall Length (m)		152.03		1000.0
Overall Loss (dB)		0.73	0.30	
ORL (dB)		N/A	N/A	
Attn Coeff (dB/km)		3.36	1.65	

Events		Loss (dB)			Reflectance (dB)		
		850 nm	1300 nm	Limit	850 nm	1300 nm	Limit
98.68 m	Loss	0.15			N/A		
101.99 m	Reflection	0.06	0.09		N/A	N/A	
152.03 m	End	N/A	N/A		N/A	N/A	



Endface Image End2

Date / Time: 21/03/2003 03:04:41
Test Limit: Manual
Operator: SAM
OptiFiber(HM29 V1.2.0)



Loss (R->M)

PASS

Date / Time: 21/03/2003 03:39:14
Test Limit: ISO 11801:2000 Link
Operator: SAM
OptiFiber(HM20 V1.2.0)
Module: OFTM-5602(HM25)
Calibration Date: 19/03/2003

Propagation Delay (ns)	260.7	
Length m	52.41	PASS
Limit 2000		
Result	850 nm	1300 nm
Loss (dB)	PASS	PASS
Limit (dB)	1.17	0.81
Margin (dB)	1.68	1.55
	0.51	0.74
Reference (dBm)	-10.25	-16.63

Number of Adapters: 2
Number of Splices: 0
Reference Date: 21/03/2003 03:24:05
1 Jumper

Loss (M->R)

PASS

Date / Time: 21/03/2003 03:39:50
OptiFiber(HM29 V1.2.0)
Module: OFTM-5612(8172009)
Calibration Date: 19/03/2003

Result	850 nm	1300 nm
Loss (dB)	PASS	PASS
Limit (dB)	1.01	0.78
Margin (dB)	1.68	1.55
	0.67	0.77
Reference (dBm)	-20.04	-20.54

Compliant Network Standards:

10/100BASE-SX	1000BASE-LX	100BASE-FX
10BASE-FL	10GBASE-LRM	ATM155
ATM155SWL	ATM52	ATM622 Fiber Optic
ATM622SWL Fiber Optic	FDDI Fiber Optic	Fibre Channel 133
Fibre Channel 266	Fibre Channel 266SWL	General Fiber Optic



Cable ID: PAIR 1: FIBER A

Test Summary: FAIL

Date / Time: 12/04/2004 10:34:49

n = 1,4719 (1310nm)

Cable Type: Singlemode

n = 1,4719 (1550nm)

Loss (R->M)

FAIL

Date / Time: 12/04/2004 10:34:49
 Test Limit: ISO11801 OF-300 Channel
 Operator: ADAMS, JOHN QUINCY
 DTX-1800(KT1002 v0.6000)
 Module: DTX-SFM(8595003)
 Calibration Date: 12/03/2004
 DTX-1800R(B16R v0.6000)
 Module: DTX-SFM(8595004)
 Calibration Date: 12/03/2004

Propagation Delay (ns)	1503	
Length m	306.1	FAIL
Limit 300.0		
Result	1310 nm	1550 nm
Loss (dB)	FAIL	FAIL
Limit (dB)	4.90	15.90
Margin (dB)	1.80	1.80
	-3.10	-14.10
Reference (dBm)	-7.21	-7.60

Number of Adapters: 2
 Number of Splices: 1
 Patch Type: Singlemode
 Patch Length1 (m): 2.0
 Patch Length2 (m): 2.0
 Patch Length3 (m): 0.2
 Reference Date: 12/04/2004 10:27:21
 1 Jumper

Loss (M->R)

FAIL

	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	3.58	14.79
Limit (dB)	1.80	1.80
Margin (dB)	-1.78	-12.99
Reference (dBm)	-8.12	-7.73

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time:
1-C001	PASS	ISO11801 PL max Class D	63.4 m	14.1 dB (NEXT)	09/04/2007 01:18
1-C002	N/A		N/A	N/A	09/04/2007 01:11
3A-K017	PASS	TIA Cat 6 Channel	4.8 m	10.7 dB (NEXT)	02/03/2007 11:52
FIBER 01	PASS	ISO 11801:2000 Link	152.0 m	0.51 dB (Loss Margin)	21/03/2003 03:48
PAIR 1: FIBER A	FAIL	ISO11801 OF-300 Channel	306.1 m	-14.10 db (loss margin)	12/04/2004 10:34

Total Length:	526.3 m
Number of Reports:	5
Number of Passing Reports:	3
Number of Failing Reports:	1
Number of Warning Reports:	0
Documentation Only:	1