LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: TOLMIN A2-1

PASS

Cat 6 FTP | 10BASE-T | Headroom (NEXT): 6.5 dB
11.06.2015 08:26 | DTX-1800 | S/N: 2083703

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 12, 10.0 MHz	PASS	1.1	11.5	10.4
NEXT (dB)	Pair 36-45, 10.0 MHz	PASS	32.5	26.0	6.5
Length (m)	Pair 12	PASS	13.6	100.0	86.4
Prop. Delay (ns)	Pair 78		66		
Delay Skew (ns)	Pair 78		1		
Resistance (ohms)	Pair 12		3.3		
Impedance (ohms)	Pair 36		107		
Wire Map		PASS			

Cable ID: TOLMIN A2-2

PASS

Cat 6 FTP | 10BASE-T | Headroom (NEXT): 4.0 dB
11.06.2015 08:30 | DTX-1800 | S/N: 2083703

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 12, 10.0 MHz	PASS	0.8	11.5	10.7
NEXT (dB)	Pair 36-45, 9.8 MHz	PASS	30.2	26.2	4.0
Length (m)	Pair 36	PASS	9.9	100.0	90.1
Prop. Delay (ns)	Pair 12		48		
Delay Skew (ns)	Pair 12		1		
Resistance (ohms)	Pair 36		2.5		
Impedance (ohms)	Pair 36		106		
Wire Map		PASS			

Cable ID: TOLMIN A2-4

PASS

Cat 6 FTP | 10BASE-T | Headroom (NEXT): 7.7 dB
11.06.2015 08:19 | DTX-1800 | S/N: 2083703

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 12, 10.0 MHz	PASS	0.8	11.5	10.7
NEXT (dB)	Pair 36-45, 9.8 MHz	PASS	33.9	26.2	7.7
Length (m)	Pair 36	PASS	9.7	100.0	90.3
Prop. Delay (ns)	Pair 12		47		
Delay Skew (ns)	Pair 12		1		
Resistance (ohms)	Pair 36		2.4		
Impedance (ohms)	Pair 36		107		
Wire Map		PASS			

Cable ID: TOLMIN A2-6

PASS

Cat 6 FTP | 10BASE-T | Headroom (NEXT): 7.4 dB
11.06.2015 08:22 | DTX-1800 | S/N: 2083703

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 12, 10.0 MHz	PASS	0.9	11.5	10.6
NEXT (dB)	Pair 36-45, 9.8 MHz	PASS	33.6	26.2	7.4
Length (m)	Pair 12	PASS	11.5	100.0	88.5
Prop. Delay (ns)	Pair 12		55		
Delay Skew (ns)	Pair 12		0		
Resistance (ohms)	Pair 36		2.8		
Impedance (ohms)	Pair 45		108		
Wire Map		PASS			

Cable ID: TOLMIN A2-7

PASS

Cat 6 FTP | 10BASE-T | Headroom (NEXT): 7.7 dB
11.06.2015 08:31 | DTX-1800 | S/N: 2083703

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 12, 10.0 MHz	PASS	0.9	11.5	10.6
NEXT (dB)	Pair 36-45, 9.8 MHz	PASS	33.9	26.2	7.7
Length (m)	Pair 36	PASS	10.9	100.0	89.1
Prop. Delay (ns)	Pair 12		53		
Delay Skew (ns)	Pair 12		1		
Resistance (ohms)	Pair 12		2.6		
Impedance (ohms)	Pair 45		107		
Wire Map		PASS			

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: TOLMIN C4

PASS

OM2 Multimode 50 | TIA-568-C Multimode | Headroom (Loss Margin): 1.20 dB
11.06.2015 11:45 | DTX-1800 | S/N: 2083703

Tests	Detail	Value	Limit
Loss (R->M)	Loss (dB), 850 nm	0.17	1.59
PASS	Loss (dB), 1300 nm	0.34	1.54
TIA-568-C Multimode	Length (m)	26.2	2000.0
	Prop. Delay (ns)	129	

Cable ID: TOLMIN ETH100M

PASS

Cat 6 FTP | ISO11801 Channel Class D | Headroom (NEXT): 12.6 dB
11.06.2015 08:32 | DTX-1800 | S/N: 2083703

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 78, 100.0 MHz	PASS	2.9	24.0	21.1
NEXT (dB)	Pair 12-36, 73.8 MHz		45.0	32.4	12.6
PS NEXT (dB)	Pair 12, 70.8 MHz		43.1	29.7	13.4
ACR-N (dB)	Pair 12-45, 7.5 MHz	PASS	62.4	42.9	19.5
PS ACR-N (dB)	Pair 45, 7.5 MHz	PASS	61.7	39.9	21.8
ACR-F (dB)	Pair 36-12, 77.0 MHz	PASS	41.4	19.7	21.7
PS ACR-F (dB)	Pair 36, 77.0 MHz	PASS	41.3	16.7	24.6
RL (dB)	Pair 36, 3.3 MHz		22.7	17.0	5.7
Length (m)	Pair 36		9.7		
Prop. Delay (ns)	Pair 12	PASS	47	555	508
Delay Skew (ns)	Pair 12	PASS	1	50	49
Resistance (ohms)	Pair 12	PASS	2.3	25.0	22.7
Wire Map		PASS			

Total Length:	91.5 m
Number of Reports:	7
Number of Passing Reports:	7
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: TOLMIN A2-1

Test Summary: PASS

Date / Time: 11.06.2015 08:26:44
Headroom 6.5 dB (NEXT 36-45)
Test Limit: 10BASE-T
Cable Type: Cat 6 FTP
Calibration Date: 23.06.2012

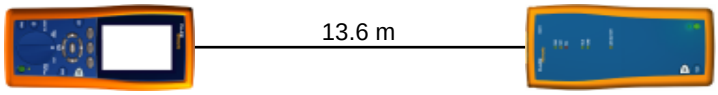
Operator: Your Name
Software Version: 2.7400
Limits Version: 1.9300
NVP: 70.0%

Model: DTX-1800
Main S/N: 2083703
Remote S/N: 2083704
Main Adapter: DTX-PLA002
Remote Adapter: DTX-CHA002

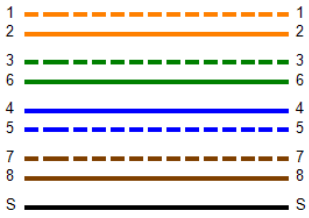
Length (m), Limit 100.0	[Pair 12]	13.6
Prop. Delay (ns)	[Pair 78]	66
Delay Skew (ns)	[Pair 78]	1
Resistance (ohms)	[Pair 12]	3.3
Impedance (ohms)	[Pair 36]	107
Insertion Loss Margin (dB)	[Pair 12]	10.4
Frequency (MHz)	[Pair 12]	10.0
Limit (dB)	[Pair 12]	11.5

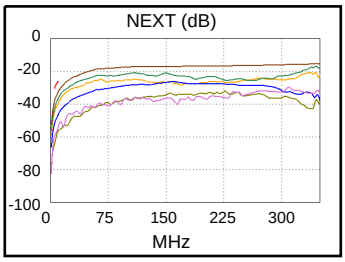
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.5	8.2	6.5	8.3
Freq. (MHz)	10.0	9.8	10.0	10.0
Limit (dB)	26.0	26.2	26.0	26.0

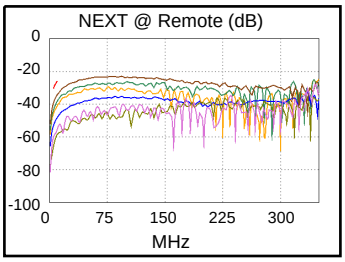
Compliant Network Standards:
10BASE-T



Wire Map (T568B)
PASS







FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: TOLMIN A2-2

Date / Time: 11.06.2015 08:30:11
Headroom 4.0 dB (NEXT 36-45)
Test Limit: 10BASE-T
Cable Type: Cat 6 FTP
Calibration Date: 23.06.2012

Operator: Your Name
Software Version: 2.7400
Limits Version: 1.9300
NVP: 70.0%

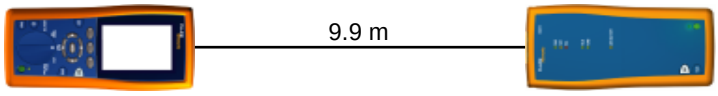
Test Summary: PASS

Model: DTX-1800
Main S/N: 2083703
Remote S/N: 2083704
Main Adapter: DTX-PLA002
Remote Adapter: DTX-CHA002

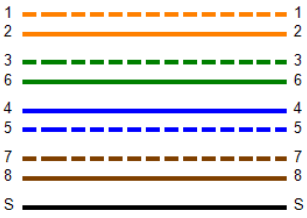
Length (m), Limit 100.0	[Pair 36]	9.9
Prop. Delay (ns)	[Pair 12]	48
Delay Skew (ns)	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.5
Impedance (ohms)	[Pair 36]	106
Insertion Loss Margin (dB)	[Pair 12]	10.7
Frequency (MHz)	[Pair 12]	10.0
Limit (dB)	[Pair 12]	11.5

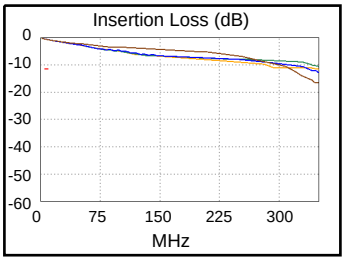
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	4.0	5.3	4.0	5.3
Freq. (MHz)	9.8	9.8	10.0	10.0
Limit (dB)	26.2	26.2	26.0	26.0

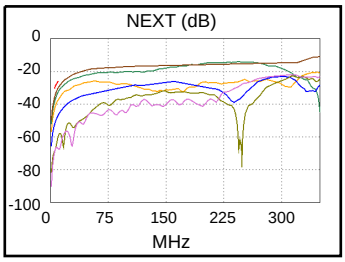
Compliant Network Standards:
10BASE-T

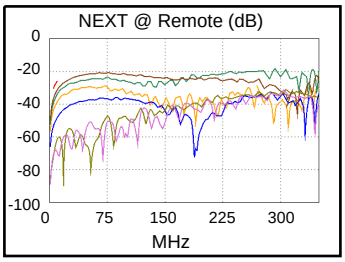


Wire Map (T568B)
PASS









FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: TOLMIN A2-4

Date / Time: 11.06.2015 08:19:54
Headroom 7.7 dB (NEXT 36-45)
Test Limit: 10BASE-T
Cable Type: Cat 6 FTP
Calibration Date: 23.06.2012

Operator: Your Name
Software Version: 2.7400
Limits Version: 1.9300
NVP: 70.0%

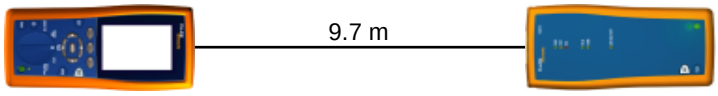
Test Summary: PASS

Model: DTX-1800
Main S/N: 2083703
Remote S/N: 2083704
Main Adapter: DTX-PLA002
Remote Adapter: DTX-CHA002

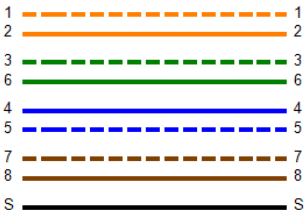
Length (m), Limit 100.0	[Pair 36]	9.7
Prop. Delay (ns)	[Pair 12]	47
Delay Skew (ns)	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.4
Impedance (ohms)	[Pair 36]	107
Insertion Loss Margin (dB)	[Pair 12]	10.7
Frequency (MHz)	[Pair 12]	10.0
Limit (dB)	[Pair 12]	11.5

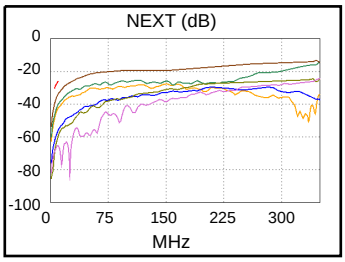
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.7	9.0	7.7	9.0
Freq. (MHz)	9.8	9.8	10.0	10.0
Limit (dB)	26.2	26.2	26.0	26.0

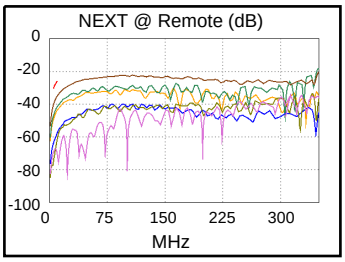
Compliant Network Standards:
10BASE-T



Wire Map (T568B)
PASS







FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: TOLMIN A2-6

Date / Time: 11.06.2015 08:22:29
Headroom 7.4 dB (NEXT 36-45)
Test Limit: 10BASE-T
Cable Type: Cat 6 FTP
Calibration Date: 23.06.2012

Operator: Your Name
Software Version: 2.7400
Limits Version: 1.9300
NVP: 70.0%

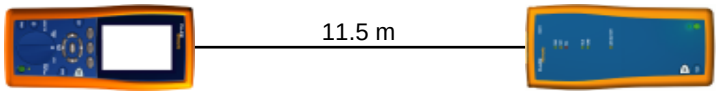
Test Summary: PASS

Model: DTX-1800
Main S/N: 2083703
Remote S/N: 2083704
Main Adapter: DTX-PLA002
Remote Adapter: DTX-CHA002

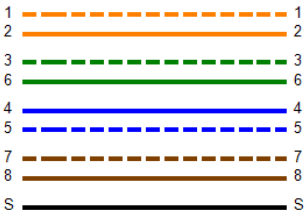
Length (m), Limit 100.0	[Pair 12]	11.5
Prop. Delay (ns)	[Pair 12]	55
Delay Skew (ns)	[Pair 12]	0
Resistance (ohms)	[Pair 36]	2.8
Impedance (ohms)	[Pair 45]	108
Insertion Loss Margin (dB)	[Pair 12]	10.6
Frequency (MHz)	[Pair 12]	10.0
Limit (dB)	[Pair 12]	11.5

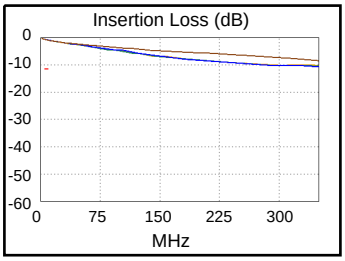
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.4	8.7	7.4	8.7
Freq. (MHz)	9.8	9.3	10.0	10.0
Limit (dB)	26.2	26.5	26.0	26.0

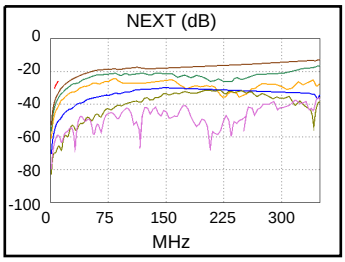
Compliant Network Standards:
10BASE-T

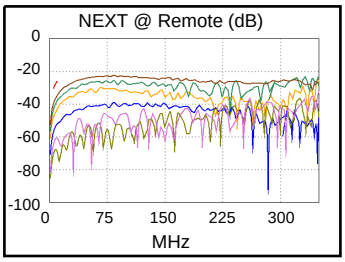


Wire Map (T568B)
PASS









LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: TOLMIN A2-7

Date / Time: 11.06.2015 08:31:05
Headroom 7.7 dB (NEXT 36-45)
Test Limit: 10BASE-T
Cable Type: Cat 6 FTP
Calibration Date: 23.06.2012

Operator: Your Name
Software Version: 2.7400
Limits Version: 1.9300
NVP: 70.0%

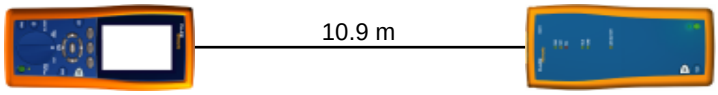
Test Summary: PASS

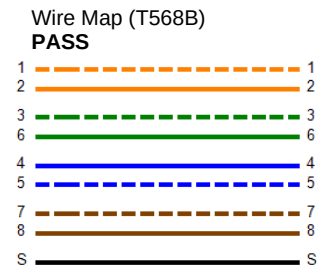
Model: DTX-1800
Main S/N: 2083703
Remote S/N: 2083704
Main Adapter: DTX-PLA002
Remote Adapter: DTX-CHA002

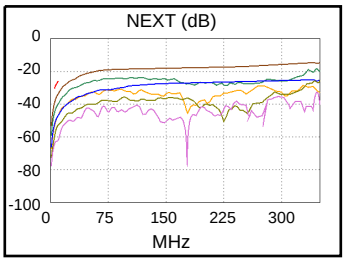
Length (m), Limit 100.0	[Pair 36]	10.9
Prop. Delay (ns)	[Pair 12]	53
Delay Skew (ns)	[Pair 12]	1
Resistance (ohms)	[Pair 12]	2.6
Impedance (ohms)	[Pair 45]	107
Insertion Loss Margin (dB)	[Pair 12]	10.6
Frequency (MHz)	[Pair 12]	10.0
Limit (dB)	[Pair 12]	11.5

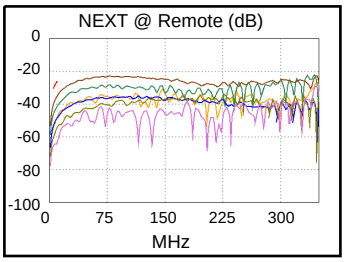
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.7	9.0	7.7	9.0
Freq. (MHz)	9.8	9.8	10.0	10.0
Limit (dB)	26.2	26.2	26.0	26.0

Compliant Network Standards:
10BASE-T









LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: TOLMIN C4

Date / Time: 11.06.2015 11:45:39
Cable Type: OM2 Multimode 50

n = 1.4835 (850 nm)
n = 1.4785 (1300 nm)

Test Summary: PASS

Modal Bandwidth: 500MHz-km (850 nm)
Modal Bandwidth: 500MHz-km (1300 nm)

Loss (R->M)

PASS

Date / Time: 11.06.2015 11:45:39
Test Limit: TIA-568-C Multimode
Limits Version: 1.9300
Operator: Your Name
DTX-1800 (2083703 v2.7400)
Module: DTX-MFM2(2443310)
Calibration Date: 13.06.2013
DTX-1800R (2083704 v2.7400)
Module: DTX-MFM2(2443309)
Calibration Date: 13.06.2013

Propagation Delay (ns)	129	
Length m	26.2	PASS
Limit 2000.0		
	850 nm	1300 nm
Result	PASS	PASS
Loss (dB)	0.17	0.34
Limit (dB)	1.59	1.54
Margin (dB)	1.42	1.20
Reference (dBm)	-25.44	-23.98

Number of Adapters: 2
Number of Splices: 0
Patch Type: OM2 Multimode 50
Patch Length1 (m): 1.0
Patch Length2 (m): 1.0
Reference Date: 11.06.2015 11:41:09
1 Jumper

Compliant Network Standards:

10/100BASE-SX	1000BASE-LX	1000BASE-SX
100BASE-FX	10BASE-FL	10GBASE-LRM
10GBASE-LX4	10GBASE-SR	ATM155
ATM155SWL	ATM52	ATM622 Fiber Optic
ATM622SWL Fiber Optic	FDDI Fiber Optic	Fibre Channel 100-M5-SN-I
Fibre Channel 100-M5E-SN-I	Fibre Channel 1200-M5-SN-I	Fibre Channel 1200-M5E-SN-I
Fibre Channel 133	Fibre Channel 1600-M5-SN-S	Fibre Channel 200-M5-SN-I
Fibre Channel 200-M5E-SN-I	Fibre Channel 266	Fibre Channel 266SWL
Fibre Channel 400-M5-SN-I	Fibre Channel 800-M5-SN-S	

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: TOLMIN ETH100M

Test Summary: PASS

Date / Time: 11.06.2015 08:32:29
Headroom 12.6 dB (NEXT 12-36)
Test Limit: ISO11801 Channel Class D
Cable Type: Cat 6 FTP
Calibration Date: 23.06.2012

Operator: Your Name
Software Version: 2.7400
Limits Version: 1.9300
NVP: 70.0%

Model: DTX-1800
Main S/N: 2083703
Remote S/N: 2083704
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (m)	[Pair 36]	9.7
Prop. Delay (ns), Limit 555	[Pair 12]	47
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms), Limit 25.0	[Pair 12]	2.3
Insertion Loss Margin (dB)	[Pair 78]	21.1
Frequency (MHz)	[Pair 78]	100.0
Limit (dB)	[Pair 78]	24.0

	Worst Case Margin		Worst Case Value	
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-45	12-45
NEXT (dB)	12.7	12.6	12.7	12.8
Freq. (MHz)	57.0	73.8	89.0	89.0
Limit (dB)	34.3	32.4	31.0	31.0
Worst Pair	12	12	12	12
PS NEXT (dB)	13.4	13.5	13.4	15.0
Freq. (MHz)	70.8	71.8	71.3	89.3
Limit (dB)	29.7	29.6	29.6	27.9

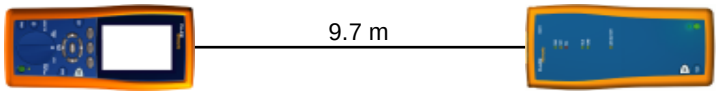
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	36-12	36-12
ACR-F (dB)	21.7	21.8	22.0	22.1
Freq. (MHz)	77.0	77.0	99.3	99.8
Limit (dB)	19.7	19.7	17.5	17.4
Worst Pair	12	36	36	36
PS ACR-F (dB)	24.7	24.6	25.0	24.8
Freq. (MHz)	77.0	77.0	99.8	99.3
Limit (dB)	16.7	16.7	14.4	14.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	19.5	20.6	32.8	32.9
Freq. (MHz)	7.5	6.9	89.0	89.0
Limit (dB)	42.9	43.8	8.4	8.4
Worst Pair	45	45	12	12
PS ACR-N (dB)	21.8	23.0	31.1	34.9
Freq. (MHz)	7.5	6.9	71.3	89.3
Limit (dB)	39.9	40.8	9.6	5.4

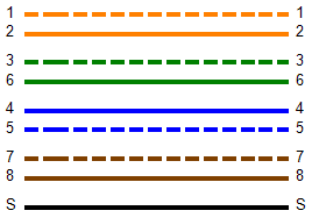
N/A	MAIN	SR	MAIN	SR
Worst Pair	36	78	45	45
RL (dB)	5.7	6.2	11.8	11.4
Freq. (MHz)	3.3	3.3	93.8	93.5
Limit (dB)	17.0	17.0	10.3	10.3

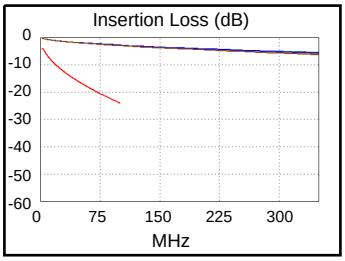
Compliant Network Standards:

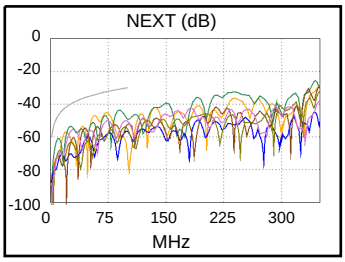
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

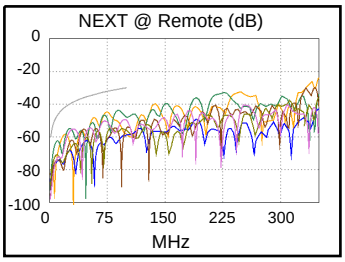


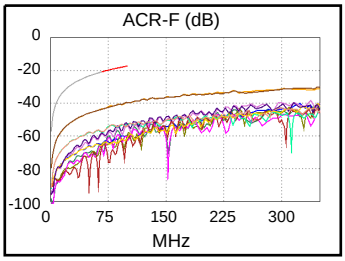
Wire Map (T568B)
PASS

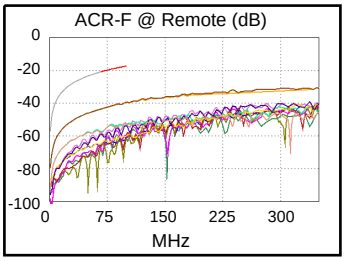


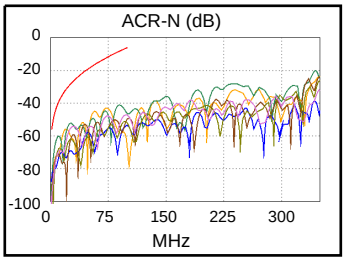


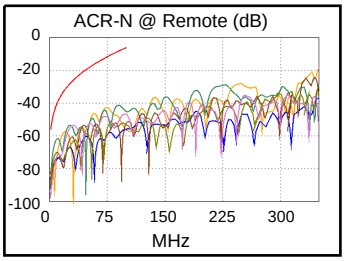


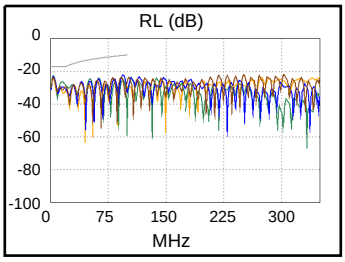


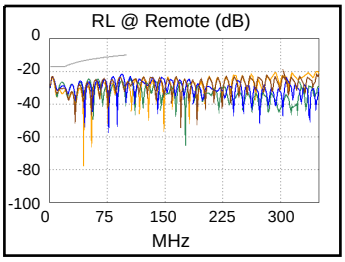




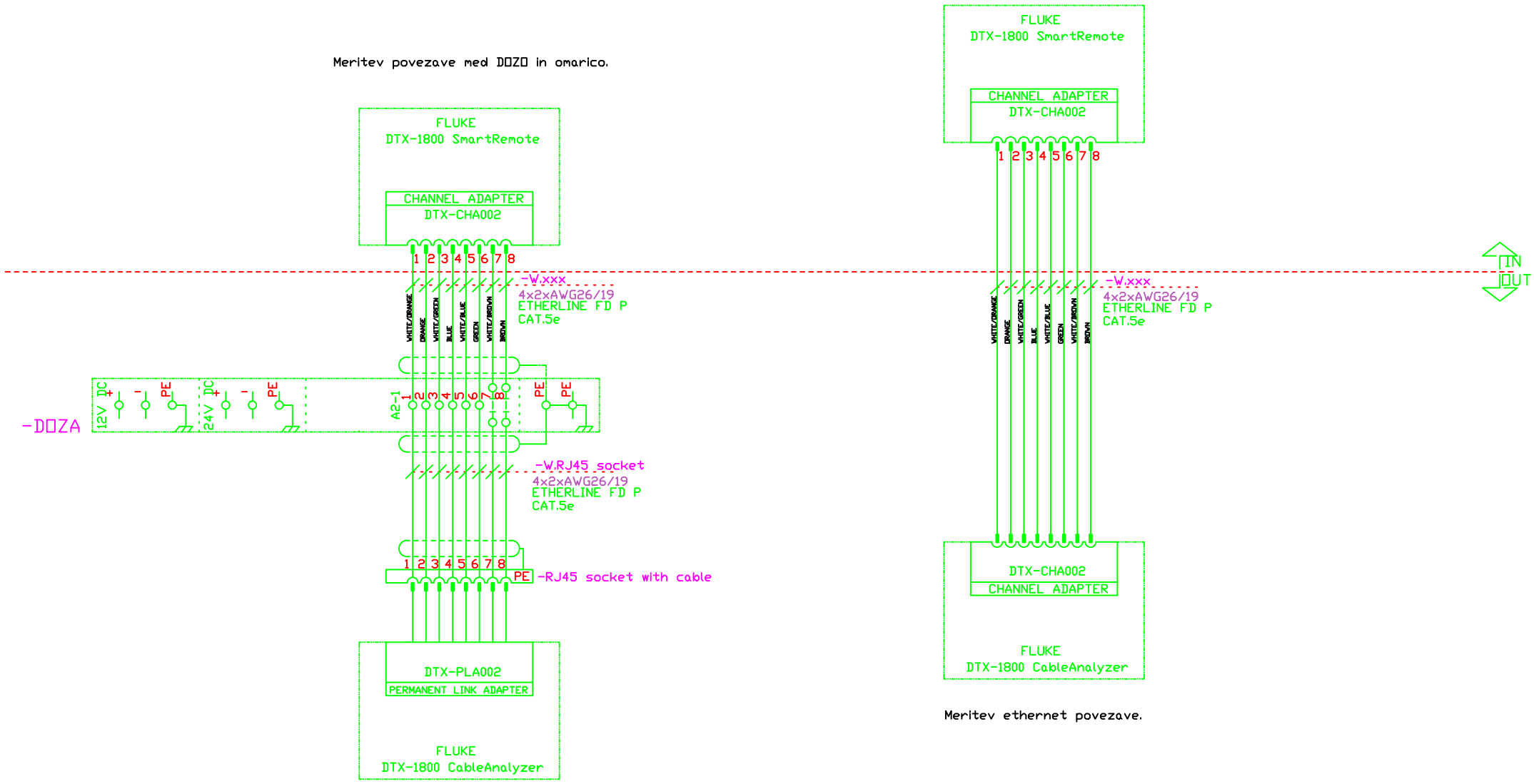




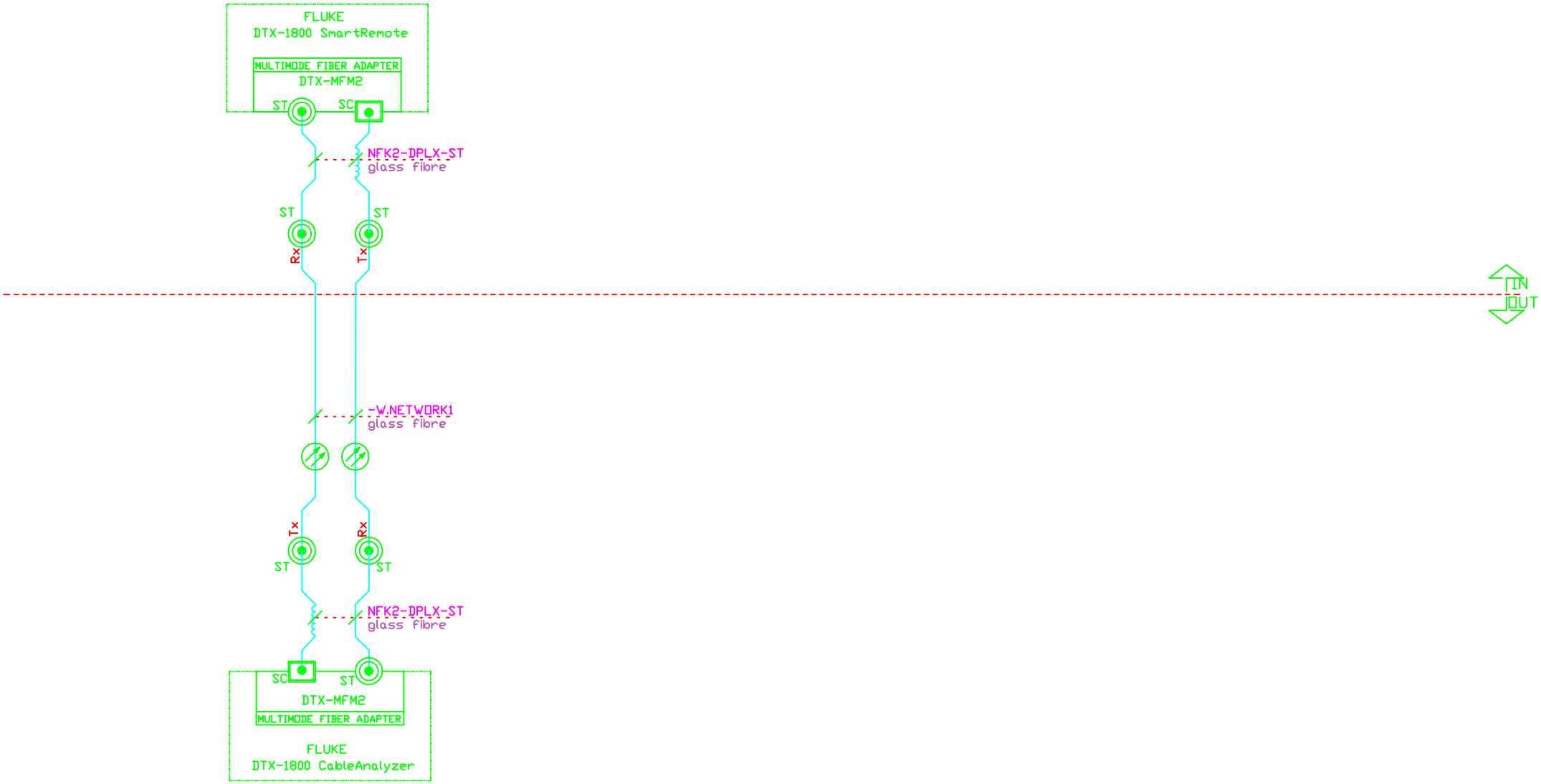




FLUKE networks



		Datum	13.08.2014	Ident. št.:	Ministrstvo za kmetijstvo in prostor, Agencija RS za okolje Vojkova 1b, 1000 Ljubljana, SI	AVTOMATSKI MERILNI SISTEM ZA SPREMLJANJE STANJA OKOLJA, METEOROLŠKA MERILNA POSTAJA Ime_postaje	ARSO AGENCIJA RS ZA OKOLJE	Vsebina risbe: Meritev ozičenja na merilnem mestu NAČRT TOKOKROGOV		=
		Odgovorni projektant	Bojan Černač							+
		Projektant	Bojan Černač					Številka projekta: mober 3000	Faza: PID	Številka načrta: 0000.1.0	Stran	1
Datum spr.	Sprememba	Standard	IEC61346		Naročnik / investitor	Objekt					Strani	4



Meritev ethernet povezave preko optičnega kabla

		Datum	13.08.2014	Ident. št.:	Ministrstvo za kmetijstvo in prostor, Agencija RS za okolje Vojkova 1b, 1000 Ljubljana, SI	AVTOMATSKI MERILNI SISTEM ZA SPREMLJANJE STANJA OKOLJA, METEOROLŠKA MERILNA POSTAJA Ime_postaje	ARSO AGENCIJA RS ZA OKOLJE	Vsebina risbe: Meritev ozičenja na merilnem mestu NAČRT TOKOKROGOV	=
		Odgovorni projektant	Bojan Černač						+
		Projektant	Bojan Černač					Številka projekta: mober 3000 / Faza: PID / Številka načrta: 0000.1.0	Stran 3
Datum spr.	Sprememba	Standard	IEC61346		Naročnik / investitor	Objekt			Strani 4