LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-0

Date / Time: 01/17/2019 11:09:56 AM
Headroom 6.6 dB (NEXT 12-36)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 12]	32
Prop. Delay (ns), Limit 555	[Pair 45]	49
Delay Skew (ns), Limit 50	[Pair 45]	2
Resistance (ohms)	[Pair 12]	1.8
Insertion Loss Margin (dB)	[Pair 36]	43.3
Frequency (MHz)	[Pair 36]	489.0
Limit (dB)	[Pair 36]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-78	12-36	36-45
NEXT (dB)	6.6	9.9	7.3	11.5
Freq. (MHz)	441.0	385.0	475.0	498.0
Limit (dB)	27.6	29.2	26.7	26.1
Worst Pair	36	12	36	12
PS NEXT (dB)	7.0	10.4	7.3	10.6
Freq. (MHz)	441.0	404.0	490.0	426.0
Limit (dB)	24.7	25.7	23.5	25.1

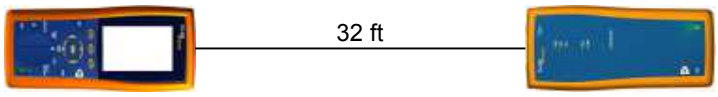
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	14.3	14.6	14.3	14.6
Freq. (MHz)	490.0	490.0	490.0	491.0
Limit (dB)	9.5	9.5	9.5	9.4
Worst Pair	36	45	36	45
PS ACR-F (dB)	16.1	16.4	16.1	16.4
Freq. (MHz)	490.0	490.0	490.0	490.0
Limit (dB)	6.5	6.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-45	12-36	36-45
ACR-N (dB)	17.5	19.8	50.2	55.7
Freq. (MHz)	6.3	3.0	475.0	498.0
Limit (dB)	54.8	61.4	-21.2	-23.1
Worst Pair	12	12	36	36
PS ACR-N (dB)	19.3	20.9	50.6	57.0
Freq. (MHz)	6.9	3.3	488.0	497.0
Limit (dB)	51.3	58.2	-25.1	-25.8

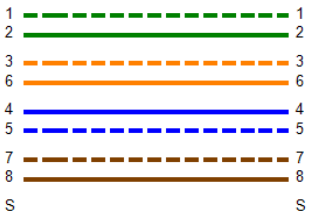
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	78
RL (dB)	9.6	12.3	10.8	12.3
Freq. (MHz)	278.0	450.0	422.0	450.0
Limit (dB)	7.6	6.0	6.0	6.0

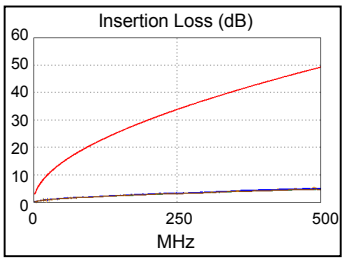
Compliant Network Standards:

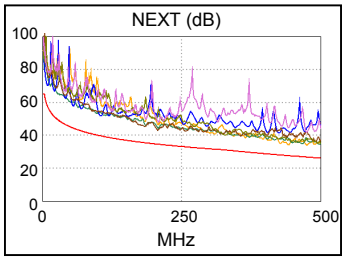
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

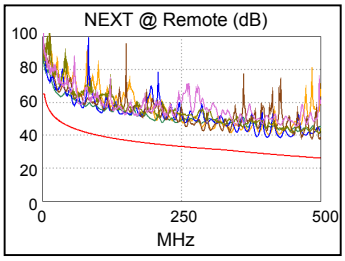


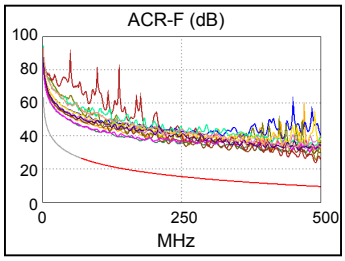
Wire Map (T568A)
PASS

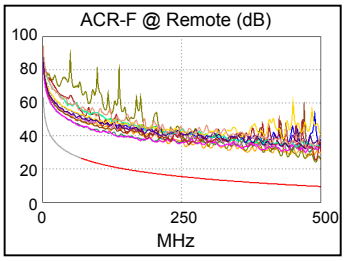


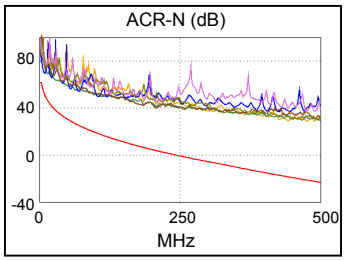


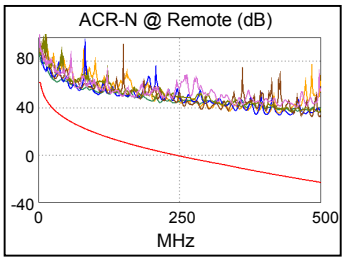


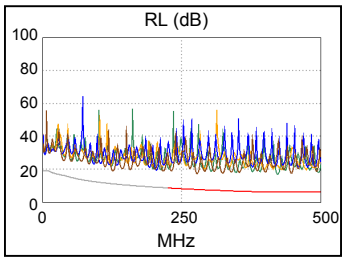


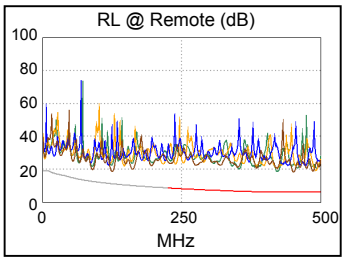












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-02

Date / Time: 01/17/2019 11:03:48 AM
Headroom 7.7 dB (NEXT 12-36)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	25
Prop. Delay (ns), Limit 555	[Pair 45]	40
Delay Skew (ns), Limit 50	[Pair 45]	3
Resistance (ohms)	[Pair 78]	1.6
Insertion Loss Margin (dB)	[Pair 36]	44.0
Frequency (MHz)	[Pair 36]	483.0
Limit (dB)	[Pair 36]	48.4

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	12-36
NEXT (dB)	7.7	10.7	7.7	11.5
Freq. (MHz)	484.0	179.5	484.0	487.0
Limit (dB)	26.5	35.6	26.5	26.4
Worst Pair	12	45	12	45
PS NEXT (dB)	8.1	10.9	8.1	12.6
Freq. (MHz)	485.0	221.5	485.0	499.0
Limit (dB)	23.6	31.1	23.6	23.3

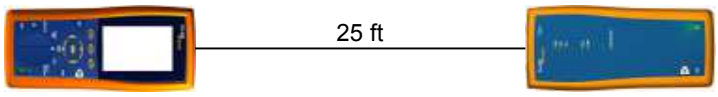
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	16.9	17.2	16.9	17.2
Freq. (MHz)	483.0	483.0	483.0	483.0
Limit (dB)	9.6	9.6	9.6	9.6
Worst Pair	36	45	36	45
PS ACR-F (dB)	18.7	17.7	18.7	17.7
Freq. (MHz)	482.0	483.0	482.0	483.0
Limit (dB)	6.6	6.6	6.6	6.6

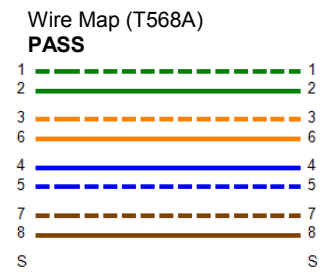
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	12-36
ACR-N (dB)	20.0	18.6	51.9	55.9
Freq. (MHz)	3.1	3.0	484.0	487.0
Limit (dB)	61.1	61.4	-22.0	-22.2
Worst Pair	45	36	36	45
PS ACR-N (dB)	21.0	20.1	52.6	57.7
Freq. (MHz)	3.1	3.0	486.0	499.0
Limit (dB)	58.3	58.4	-25.0	-26.0

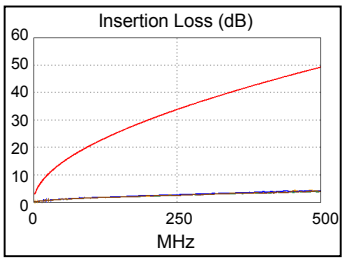
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	12	78	12
RL (dB)	9.1	10.1	9.1	10.1
Freq. (MHz)	495.0	488.0	495.0	488.0
Limit (dB)	6.0	6.0	6.0	6.0

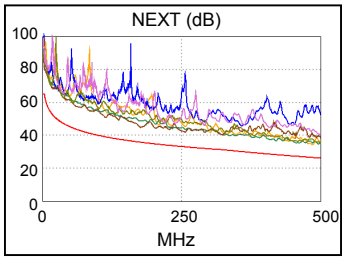
Compliant Network Standards:

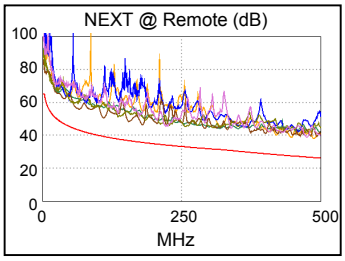
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

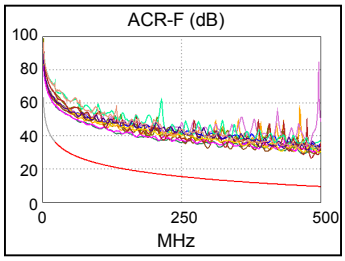


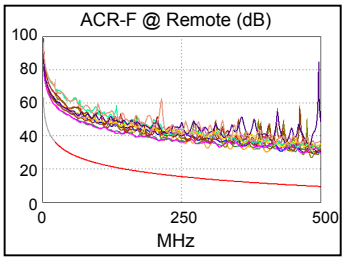


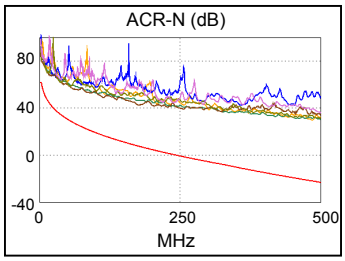


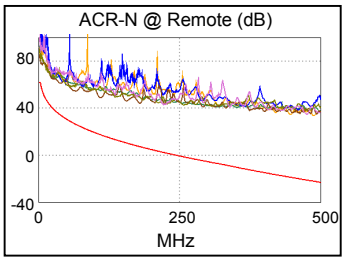


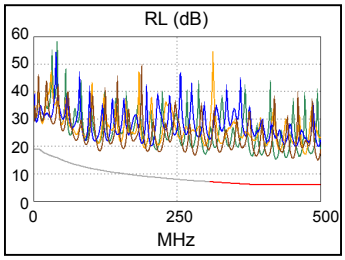


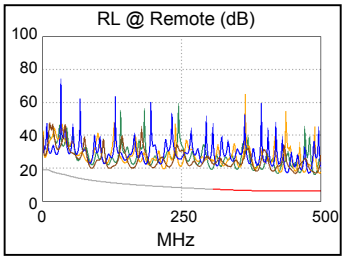












LinkWare™ PC Version 10.0

Project: TCE-GO-TERREO-SISTEMA
Untitled1

Site: TCE-GO

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-03

Date / Time: 01/17/2019 11:07:24 AM
Headroom 7.6 dB (NEXT 36-78)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	25
Prop. Delay (ns), Limit 555	[Pair 45]	40
Delay Skew (ns), Limit 50	[Pair 45]	3
Resistance (ohms)	[Pair 12]	1.7
Insertion Loss Margin (dB)	[Pair 36]	44.3
Frequency (MHz)	[Pair 36]	487.0
Limit (dB)	[Pair 36]	48.6

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-78	36-45
NEXT (dB)	7.6	10.5	8.0	10.5
Freq. (MHz)	457.0	445.0	500.0	500.0
Limit (dB)	27.2	27.5	26.1	26.1
Worst Pair	36	36	36	36
PS NEXT (dB)	7.7	10.7	7.7	11.1
Freq. (MHz)	324.0	319.0	499.0	500.0
Limit (dB)	28.2	28.3	23.3	23.2

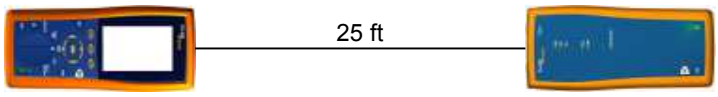
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	12-36	45-36	36-45
ACR-F (dB)	16.6	16.7	16.6	16.8
Freq. (MHz)	482.0	401.0	482.0	482.0
Limit (dB)	9.6	11.2	9.6	9.6
Worst Pair	36	45	36	45
PS ACR-F (dB)	17.3	18.1	17.3	18.1
Freq. (MHz)	491.0	482.0	491.0	482.0
Limit (dB)	6.4	6.6	6.4	6.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-45
ACR-N (dB)	19.8	20.9	53.4	55.5
Freq. (MHz)	3.1	2.9	500.0	500.0
Limit (dB)	61.1	61.4	-23.2	-23.2
Worst Pair	45	45	36	36
PS ACR-N (dB)	19.9	20.7	53.0	56.3
Freq. (MHz)	3.1	3.3	500.0	500.0
Limit (dB)	58.3	58.2	-26.1	-26.1

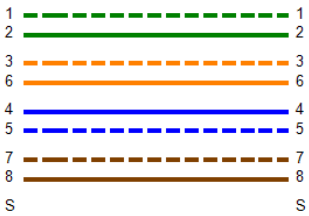
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	9.4	10.6	9.4	10.6
Freq. (MHz)	449.0	459.0	449.0	459.0
Limit (dB)	6.0	6.0	6.0	6.0

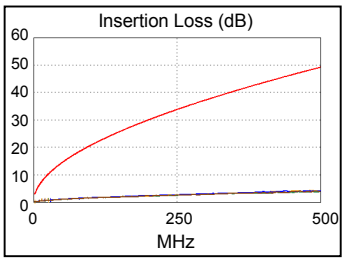
Compliant Network Standards:

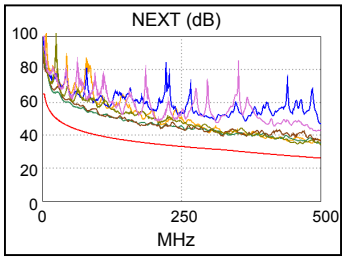
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

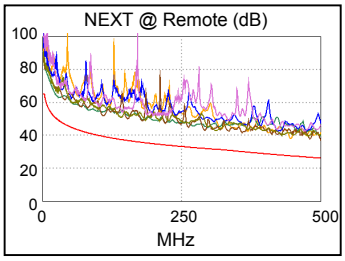


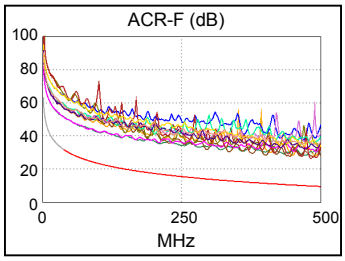
Wire Map (T568A)
PASS

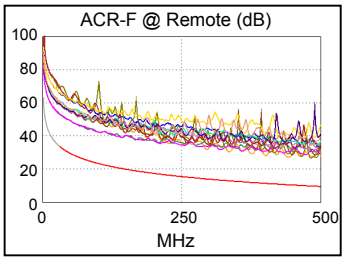


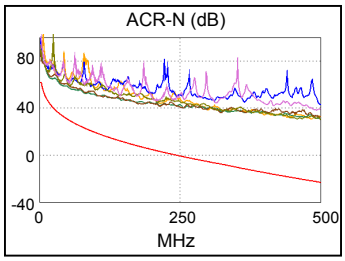


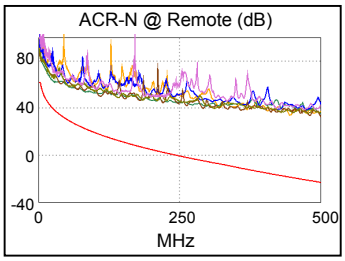


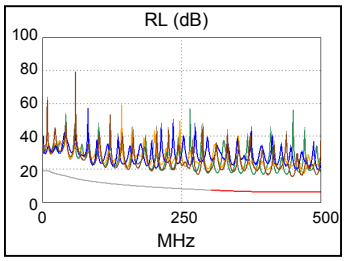


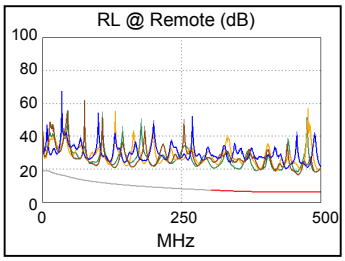












LinkWare™ PC Version 10.0

Project: TCE-GO-TERREO-SISTEMA
Untitled1

Site: TCE-GO

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-04

Date / Time: 01/17/2019 10:58:23 AM
Headroom 7.0 dB (NEXT 12-78)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 12]	31
Prop. Delay (ns), Limit 555	[Pair 45]	47
Delay Skew (ns), Limit 50	[Pair 45]	2
Resistance (ohms)	[Pair 12]	1.8
Insertion Loss Margin (dB)	[Pair 36]	43.6
Frequency (MHz)	[Pair 36]	488.0
Limit (dB)	[Pair 36]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-45	12-78
NEXT (dB)	7.0	8.2	8.7	10.0
Freq. (MHz)	57.0	57.0	500.0	482.0
Limit (dB)	44.1	44.1	26.1	26.5
Worst Pair	12	78	36	12
PS NEXT (dB)	7.9	10.4	8.2	10.5
Freq. (MHz)	403.0	57.0	491.0	458.0
Limit (dB)	25.7	41.3	23.4	24.2

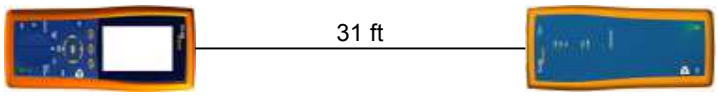
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	36-12	12-36
ACR-F (dB)	14.7	14.2	14.7	14.2
Freq. (MHz)	486.0	486.0	486.0	486.0
Limit (dB)	9.5	9.5	9.5	9.5
Worst Pair	12	36	12	45
PS ACR-F (dB)	16.5	16.3	16.5	16.4
Freq. (MHz)	486.0	440.0	486.0	500.0
Limit (dB)	6.5	7.4	6.5	6.3

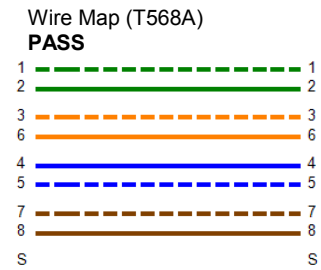
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-45	12-78
ACR-N (dB)	14.5	17.4	53.0	51.6
Freq. (MHz)	7.8	12.5	500.0	457.0
Limit (dB)	52.7	47.8	-23.2	-19.8
Worst Pair	12	12	36	12
PS ACR-N (dB)	16.8	18.8	51.8	53.1
Freq. (MHz)	7.9	3.3	488.0	458.0
Limit (dB)	50.0	58.2	-25.1	-22.8

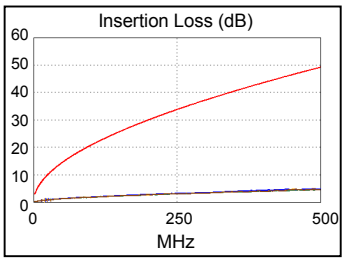
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	9.5	11.5	9.5	11.5
Freq. (MHz)	442.0	481.0	442.0	481.0
Limit (dB)	6.0	6.0	6.0	6.0

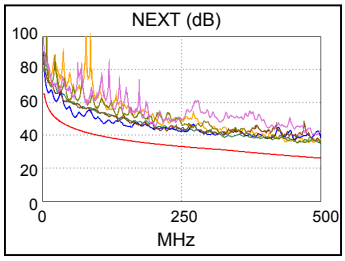
Compliant Network Standards:

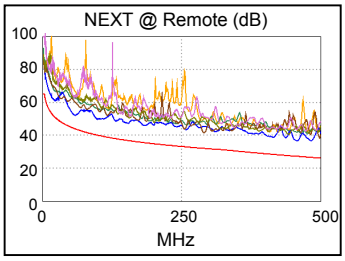
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

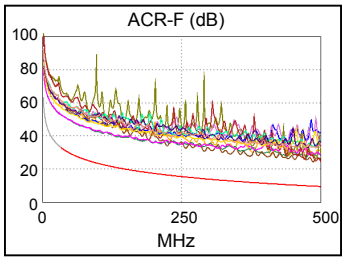


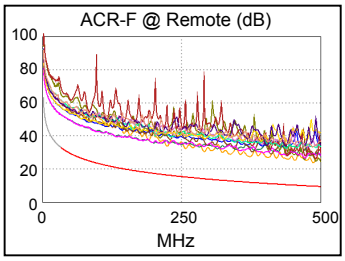


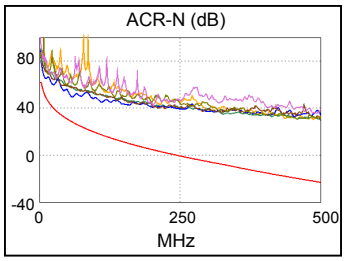


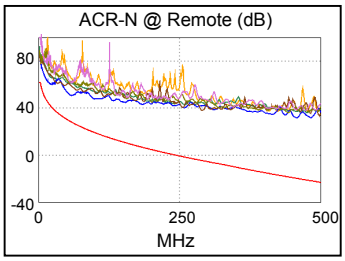


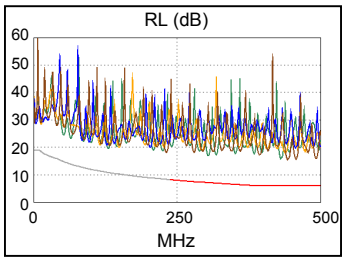


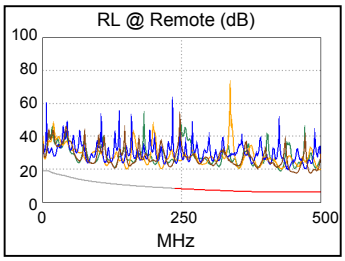












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-05

Date / Time: 01/17/2019 11:08:28 AM
Headroom 7.6 dB (NEXT 36-78)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	32
Prop. Delay (ns), Limit 555	[Pair 45]	50
Delay Skew (ns), Limit 50	[Pair 45]	3
Resistance (ohms)	[Pair 12]	1.8
Insertion Loss Margin (dB)	[Pair 36]	43.1
Frequency (MHz)	[Pair 36]	485.0
Limit (dB)	[Pair 36]	48.5

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-78
NEXT (dB)	7.6	9.6	7.8	13.4
Freq. (MHz)	467.0	297.0	500.0	486.0
Limit (dB)	26.9	31.8	26.1	26.4
Worst Pair	36	45	36	36
PS NEXT (dB)	8.3	11.6	8.3	14.8
Freq. (MHz)	438.0	77.5	483.0	500.0
Limit (dB)	24.8	39.0	23.6	23.2

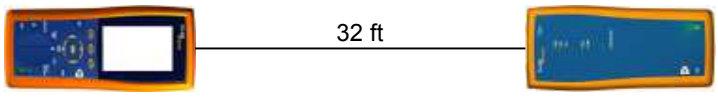
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	15.1	14.8	15.1	14.8
Freq. (MHz)	486.0	486.0	486.0	486.0
Limit (dB)	9.5	9.5	9.5	9.5
Worst Pair	45	36	45	36
PS ACR-F (dB)	16.8	16.3	16.8	16.3
Freq. (MHz)	487.0	486.0	487.0	486.0
Limit (dB)	6.5	6.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
ACR-N (dB)	18.3	17.5	52.3	57.0
Freq. (MHz)	3.0	3.0	500.0	486.0
Limit (dB)	61.4	61.4	-23.2	-22.1
Worst Pair	36	36	36	36
PS ACR-N (dB)	18.3	18.3	51.3	57.8
Freq. (MHz)	3.0	3.1	483.0	485.0
Limit (dB)	58.4	58.3	-24.8	-24.9

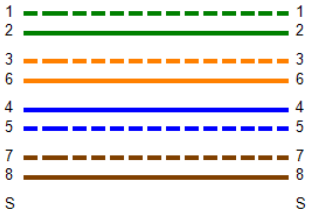
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	78
RL (dB)	8.7	11.6	10.4	11.6
Freq. (MHz)	199.0	481.0	430.0	481.0
Limit (dB)	9.0	6.0	6.0	6.0

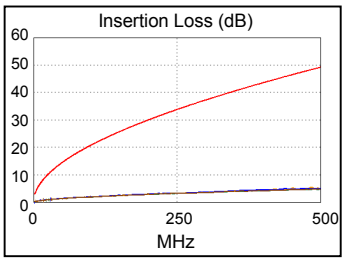
Compliant Network Standards:

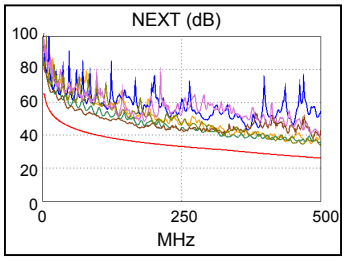
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

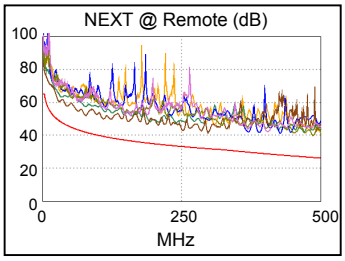


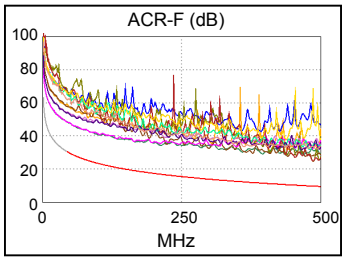
Wire Map (T568A)
PASS

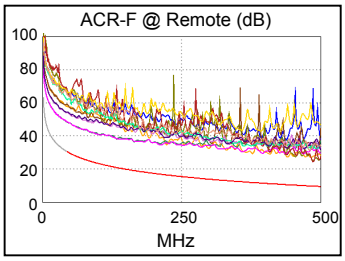


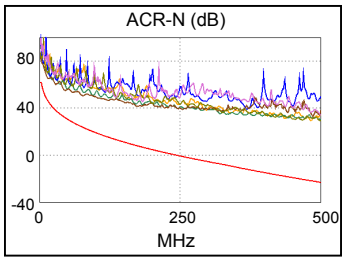


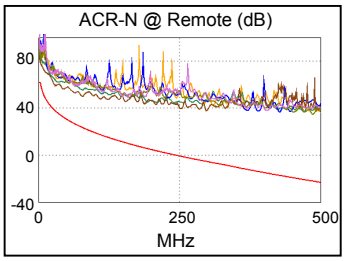


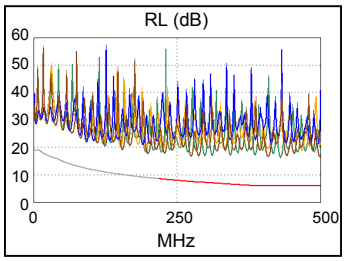


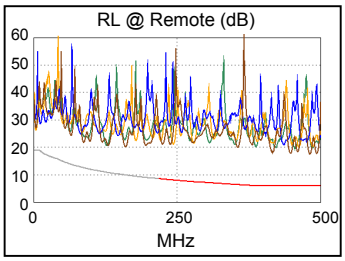












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-06

Date / Time: 01/17/2019 11:09:11 AM
Headroom 6.5 dB (NEXT 36-45)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	30
Prop. Delay (ns), Limit 555	[Pair 45]	47
Delay Skew (ns), Limit 50	[Pair 45]	3
Resistance (ohms)	[Pair 12]	1.9
Insertion Loss Margin (dB)	[Pair 36]	43.6
Frequency (MHz)	[Pair 36]	485.0
Limit (dB)	[Pair 36]	48.5

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-45
NEXT (dB)	6.5	7.9	8.0	10.4
Freq. (MHz)	322.0	295.0	500.0	496.0
Limit (dB)	31.2	31.9	26.1	26.2
Worst Pair	36	45	36	36
PS NEXT (dB)	6.9	10.3	7.6	11.9
Freq. (MHz)	445.0	295.0	498.0	493.0
Limit (dB)	24.6	28.9	23.3	23.4

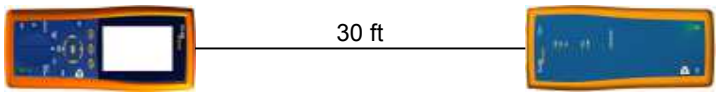
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	14.7	14.5	14.7	14.5
Freq. (MHz)	498.0	498.0	498.0	498.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	36	45	36	45
PS ACR-F (dB)	17.0	17.1	17.0	17.1
Freq. (MHz)	498.0	498.0	498.0	498.0
Limit (dB)	6.3	6.3	6.3	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-78	36-45
ACR-N (dB)	22.0	22.3	52.7	54.7
Freq. (MHz)	12.6	3.0	500.0	496.0
Limit (dB)	47.7	61.4	-23.2	-22.9
Worst Pair	12	36	36	36
PS ACR-N (dB)	22.3	22.0	52.1	56.0
Freq. (MHz)	3.3	3.3	498.0	493.0
Limit (dB)	58.2	58.2	-25.9	-25.5

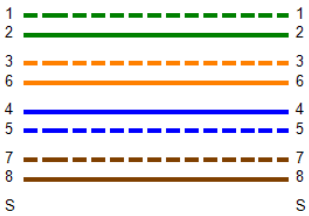
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	10.1	12.3	10.1	12.3
Freq. (MHz)	452.0	456.0	452.0	456.0
Limit (dB)	6.0	6.0	6.0	6.0

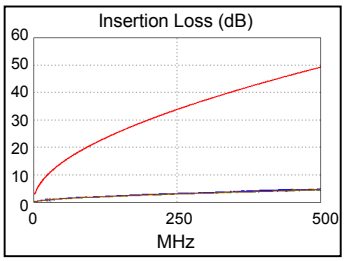
Compliant Network Standards:

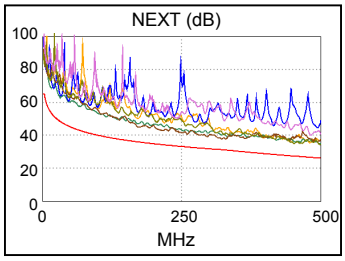
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

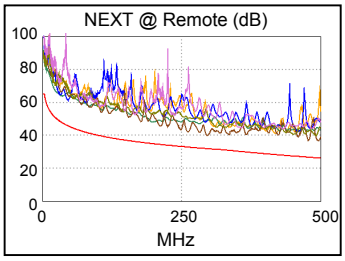


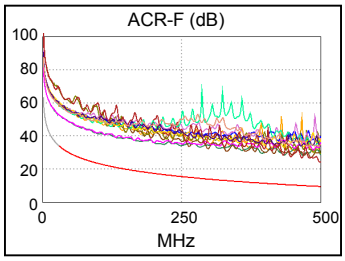
Wire Map (T568A)
PASS

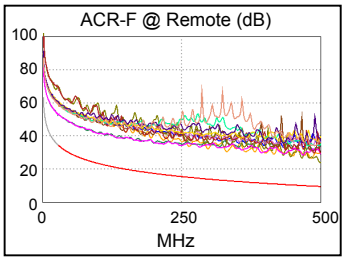


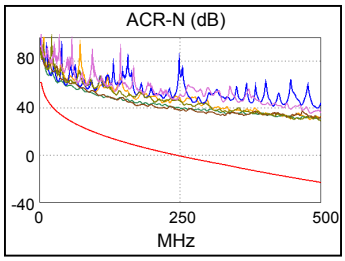


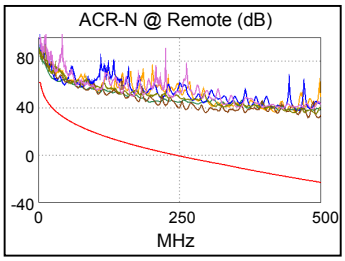


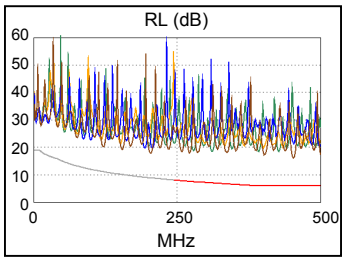


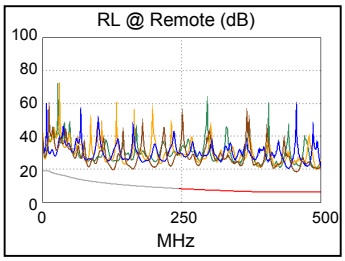












LinkWare™ PC Version 10.0

Project: TCE-GO-TERREO-SISTEMA
Untitled1

Site: TCE-GO

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-07

Date / Time: 01/17/2019 10:59:05 AM
Headroom 7.5 dB (NEXT 12-45)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	33
Prop. Delay (ns), Limit 555	[Pair 45]	52
Delay Skew (ns), Limit 50	[Pair 45]	3
Resistance (ohms)	[Pair 78]	2.0
Insertion Loss Margin (dB)	[Pair 36]	43.3
Frequency (MHz)	[Pair 36]	489.0
Limit (dB)	[Pair 36]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	36-78	12-78
NEXT (dB)	7.5	10.0	7.7	13.2
Freq. (MHz)	320.0	297.0	500.0	483.0
Limit (dB)	31.3	31.8	26.1	26.5
Worst Pair	36	36	36	12
PS NEXT (dB)	7.5	10.6	7.5	13.2
Freq. (MHz)	499.0	297.0	500.0	441.0
Limit (dB)	23.3	28.8	23.2	24.7

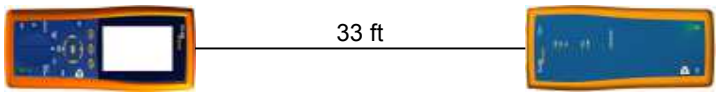
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	14.5	14.7	14.5	14.7
Freq. (MHz)	489.0	489.0	489.0	489.0
Limit (dB)	9.5	9.5	9.5	9.5
Worst Pair	36	45	36	45
PS ACR-F (dB)	16.6	16.3	16.6	16.3
Freq. (MHz)	489.0	489.0	489.0	489.0
Limit (dB)	6.5	6.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	12-78
ACR-N (dB)	19.6	20.5	52.0	56.7
Freq. (MHz)	3.0	2.8	500.0	483.0
Limit (dB)	61.4	61.5	-23.2	-21.9
Worst Pair	36	36	36	78
PS ACR-N (dB)	19.6	21.0	51.7	57.5
Freq. (MHz)	3.0	3.3	500.0	481.0
Limit (dB)	58.4	58.2	-26.1	-24.6

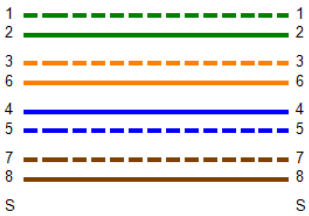
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	78	78
RL (dB)	9.2	11.3	10.1	11.9
Freq. (MHz)	275.0	212.0	459.0	458.0
Limit (dB)	7.6	8.7	6.0	6.0

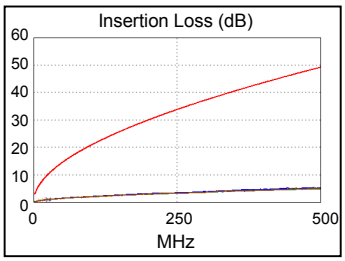
Compliant Network Standards:

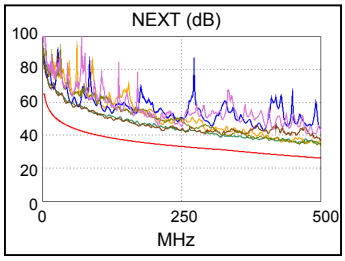
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

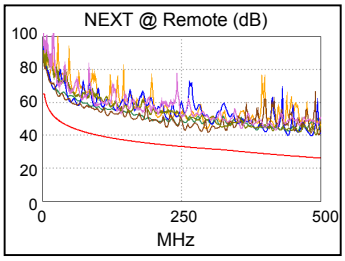


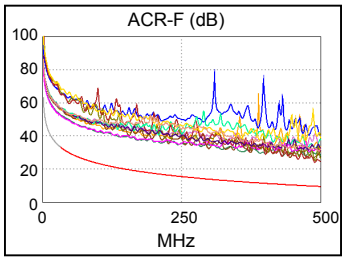
Wire Map (T568A)
PASS

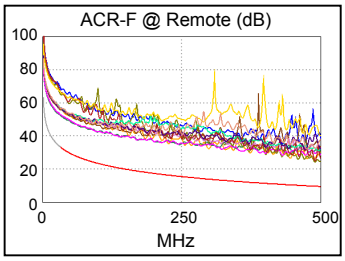


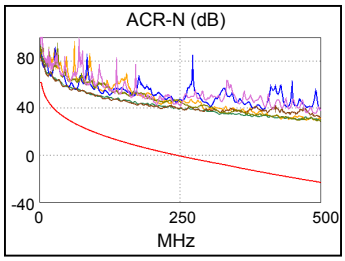


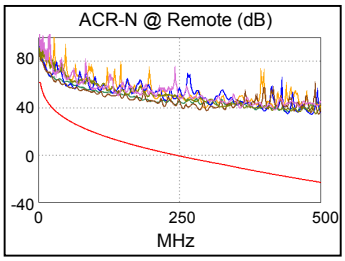


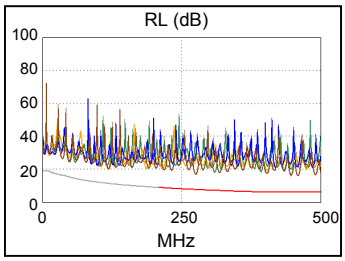


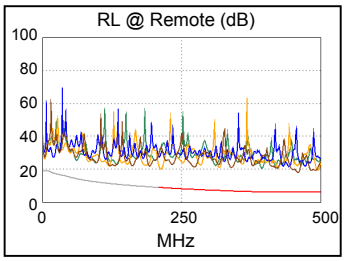












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-08

Date / Time: 01/17/2019 11:10:39 AM
Headroom 5.0 dB (NEXT 36-45)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	32
Prop. Delay (ns), Limit 555	[Pair 45]	51
Delay Skew (ns), Limit 50	[Pair 45]	3
Resistance (ohms)	[Pair 12]	1.8
Insertion Loss Margin (dB)	[Pair 36]	43.0
Frequency (MHz)	[Pair 36]	484.0
Limit (dB)	[Pair 36]	48.4

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-45
NEXT (dB)	5.0	9.0	6.8	11.9
Freq. (MHz)	321.0	323.0	500.0	490.0
Limit (dB)	31.2	31.2	26.1	26.3
Worst Pair	36	36	36	36
PS NEXT (dB)	6.1	10.5	6.3	11.5
Freq. (MHz)	325.0	323.0	496.0	490.0
Limit (dB)	28.2	28.2	23.3	23.5

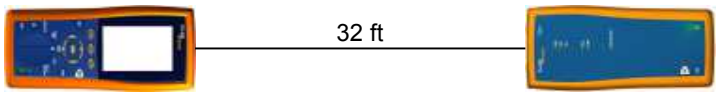
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	14.7	14.8	14.7	14.8
Freq. (MHz)	485.0	486.0	485.0	496.0
Limit (dB)	9.5	9.5	9.5	9.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	16.3	16.1	16.3	16.1
Freq. (MHz)	496.0	485.0	496.0	485.0
Limit (dB)	6.3	6.5	6.3	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-45	36-78	36-45
ACR-N (dB)	20.3	22.9	51.2	55.6
Freq. (MHz)	6.3	3.0	500.0	492.0
Limit (dB)	54.8	61.4	-23.2	-22.6
Worst Pair	12	12	36	36
PS ACR-N (dB)	20.8	23.6	50.2	55.3
Freq. (MHz)	6.3	3.0	496.0	490.0
Limit (dB)	52.2	58.4	-25.8	-25.3

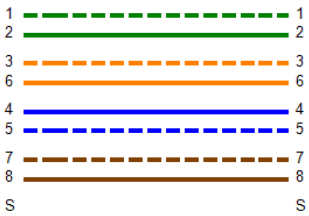
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	9.9	13.0	11.4	13.0
Freq. (MHz)	206.5	490.0	454.0	490.0
Limit (dB)	8.9	6.0	6.0	6.0

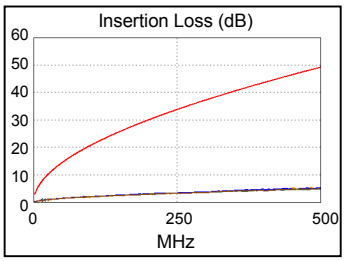
Compliant Network Standards:

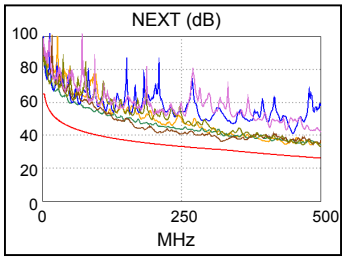
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

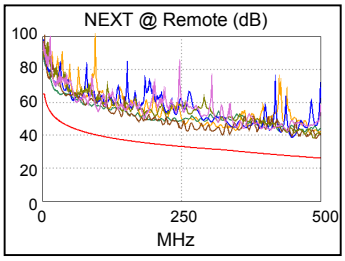


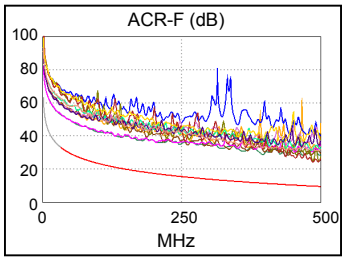
Wire Map (T568A)
PASS

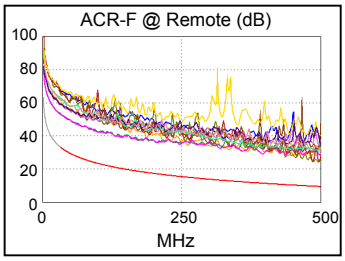


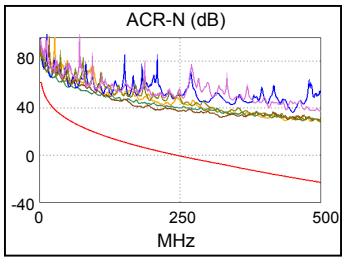


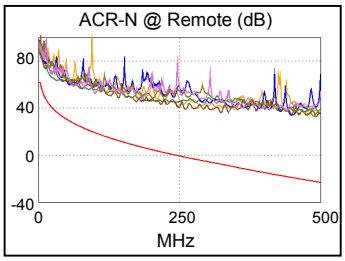


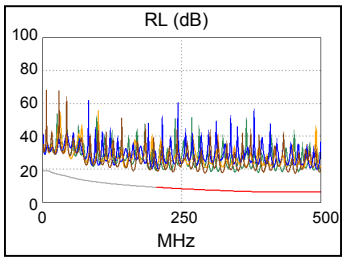


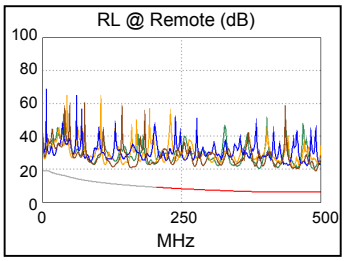












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-10

Date / Time: 01/17/2019 10:59:51 AM
Headroom 8.2 dB (NEXT 36-78)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	33
Prop. Delay (ns), Limit 555	[Pair 45]	52
Delay Skew (ns), Limit 50	[Pair 45]	3
Resistance (ohms)	[Pair 12]	1.9
Insertion Loss Margin (dB)	[Pair 36]	43.2
Frequency (MHz)	[Pair 36]	488.0
Limit (dB)	[Pair 36]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	12-78
NEXT (dB)	8.2	10.1	8.2	12.8
Freq. (MHz)	500.0	297.0	500.0	476.0
Limit (dB)	26.1	31.8	26.1	26.7
Worst Pair	45	36	36	78
PS NEXT (dB)	7.9	11.8	8.0	13.7
Freq. (MHz)	178.0	297.0	500.0	478.0
Limit (dB)	32.7	28.8	23.2	23.7

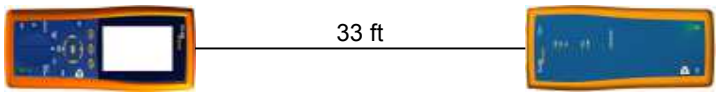
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	12-36	45-36	36-45
ACR-F (dB)	15.2	14.9	15.2	15.4
Freq. (MHz)	490.0	445.0	490.0	490.0
Limit (dB)	9.5	10.3	9.5	9.5
Worst Pair	45	36	45	36
PS ACR-F (dB)	16.8	16.5	16.8	16.5
Freq. (MHz)	489.0	489.0	489.0	489.0
Limit (dB)	6.5	6.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	12-78
ACR-N (dB)	18.5	17.2	52.5	55.9
Freq. (MHz)	3.0	3.0	500.0	476.0
Limit (dB)	61.4	61.4	-23.2	-21.3
Worst Pair	36	36	36	78
PS ACR-N (dB)	18.6	17.9	51.1	56.9
Freq. (MHz)	3.0	3.1	488.0	478.0
Limit (dB)	58.4	58.3	-25.1	-24.4

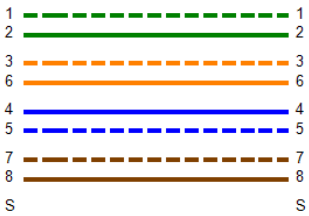
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	12
RL (dB)	9.8	11.9	10.8	12.2
Freq. (MHz)	296.0	214.0	422.0	422.0
Limit (dB)	7.3	8.7	6.0	6.0

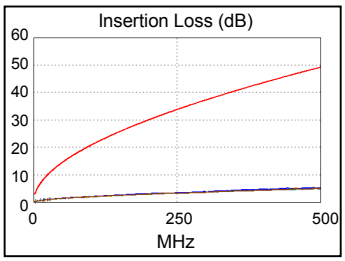
Compliant Network Standards:

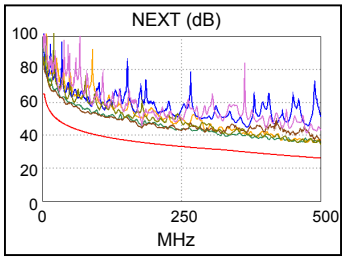
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

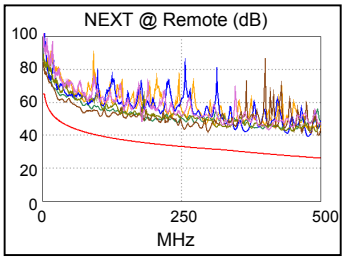


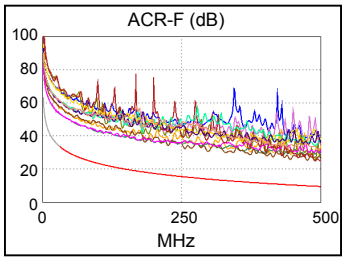
Wire Map (T568A)
PASS

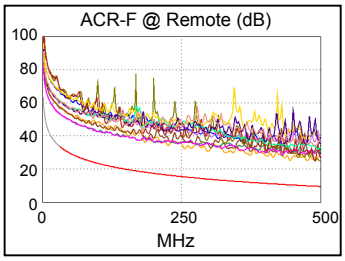


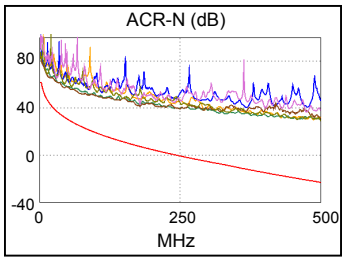


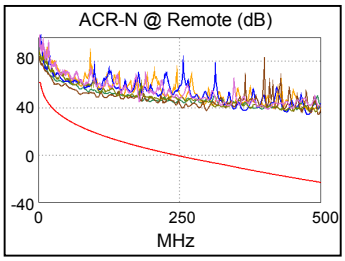


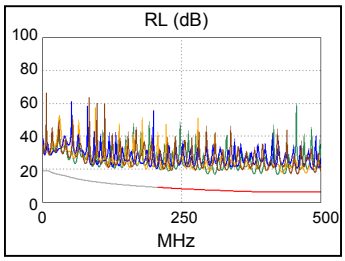


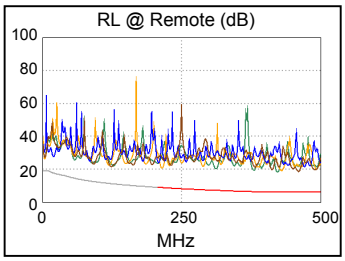












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-11

Date / Time: 01/17/2019 01:17:37 PM
Headroom 7.6 dB (NEXT 36-78)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	39
Prop. Delay (ns), Limit 555	[Pair 45]	61
Delay Skew (ns), Limit 50	[Pair 45]	4
Resistance (ohms)	[Pair 12]	2.2
Insertion Loss Margin (dB)	[Pair 36]	42.6
Frequency (MHz)	[Pair 36]	490.0
Limit (dB)	[Pair 36]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-45
NEXT (dB)	7.6	11.8	7.6	12.0
Freq. (MHz)	500.0	463.0	500.0	498.0
Limit (dB)	26.1	27.0	26.1	26.1
Worst Pair	36	36	36	36
PS NEXT (dB)	6.9	11.9	7.0	12.4
Freq. (MHz)	442.0	463.0	500.0	500.0
Limit (dB)	24.6	24.1	23.2	23.2

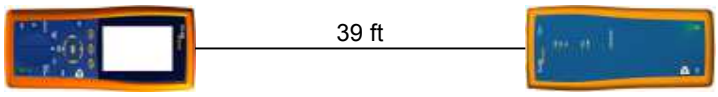
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	13.9	14.1	13.9	14.1
Freq. (MHz)	486.0	476.0	486.0	500.0
Limit (dB)	9.5	9.7	9.5	9.3
Worst Pair	36	45	36	45
PS ACR-F (dB)	15.4	15.9	15.4	15.9
Freq. (MHz)	486.0	486.0	486.0	486.0
Limit (dB)	6.5	6.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-45
ACR-N (dB)	20.3	20.9	51.1	55.0
Freq. (MHz)	9.4	2.8	500.0	498.0
Limit (dB)	50.8	61.5	-23.2	-23.1
Worst Pair	12	36	36	36
PS ACR-N (dB)	20.7	21.8	50.3	54.7
Freq. (MHz)	6.9	2.8	500.0	488.0
Limit (dB)	51.3	58.5	-26.1	-25.1

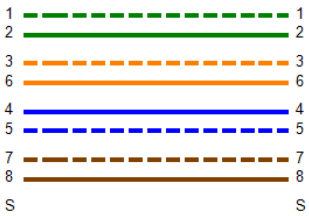
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	9.1	11.6	9.2	12.7
Freq. (MHz)	278.0	164.5	440.0	444.0
Limit (dB)	7.6	9.8	6.0	6.0

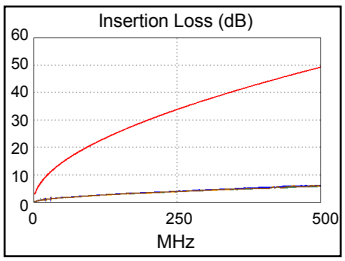
Compliant Network Standards:

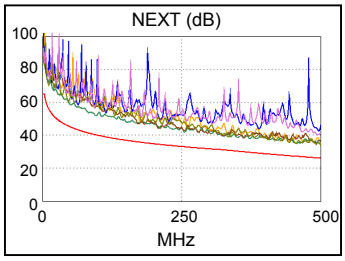
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

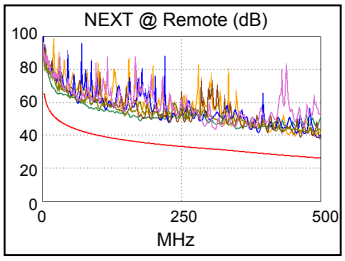


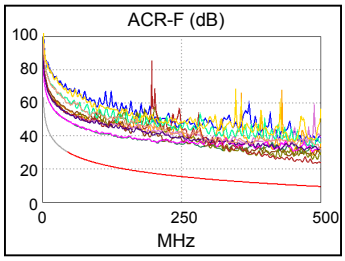
Wire Map (T568A)
PASS

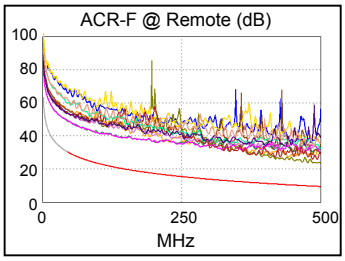


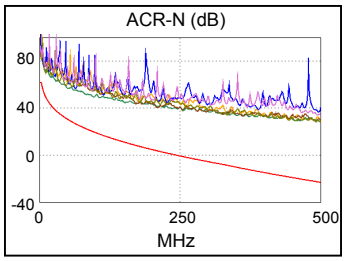


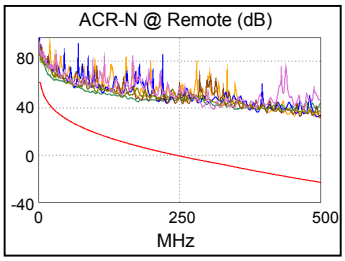


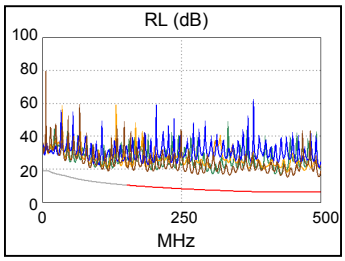


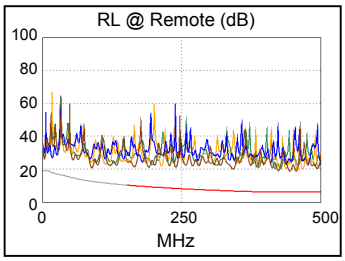












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-12

Date / Time: 01/17/2019 01:15:43 PM
Headroom 6.9 dB (NEXT 12-45)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 36]	40
Prop. Delay (ns), Limit 555	[Pair 45]	62
Delay Skew (ns), Limit 50	[Pair 45]	3
Resistance (ohms)	[Pair 12]	2.2
Insertion Loss Margin (dB)	[Pair 36]	42.5
Frequency (MHz)	[Pair 36]	490.0
Limit (dB)	[Pair 36]	48.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	36-78	12-78
NEXT (dB)	6.9	10.9	7.8	13.0
Freq. (MHz)	329.0	186.0	499.0	475.0
Limit (dB)	31.1	35.3	26.1	26.7
Worst Pair	36	45	36	12
PS NEXT (dB)	7.5	12.4	7.5	13.1
Freq. (MHz)	496.0	186.0	496.0	475.0
Limit (dB)	23.3	32.4	23.3	23.8

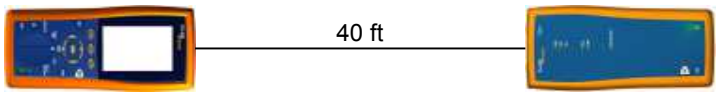
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	15.3	15.2	15.3	15.2
Freq. (MHz)	491.0	497.0	497.0	497.0
Limit (dB)	9.4	9.3	9.3	9.3
Worst Pair	36	36	36	45
PS ACR-F (dB)	16.7	17.1	16.7	17.1
Freq. (MHz)	491.0	489.0	491.0	498.0
Limit (dB)	6.4	6.5	6.4	6.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	12-36
ACR-N (dB)	17.7	18.2	50.7	56.3
Freq. (MHz)	3.1	2.8	496.0	492.0
Limit (dB)	61.1	61.5	-22.9	-22.6
Worst Pair	36	36	36	12
PS ACR-N (dB)	19.1	19.0	50.4	55.2
Freq. (MHz)	3.3	3.1	496.0	475.0
Limit (dB)	58.2	58.3	-25.8	-24.1

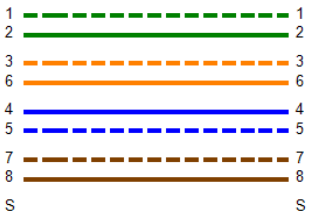
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	12
RL (dB)	8.6	10.7	8.6	10.9
Freq. (MHz)	281.0	298.0	281.0	430.0
Limit (dB)	7.5	7.3	7.5	6.0

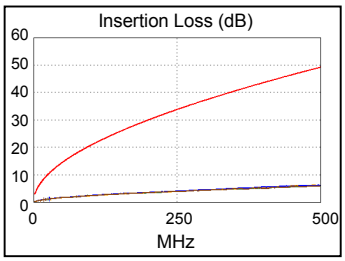
Compliant Network Standards:

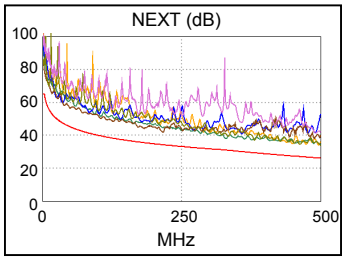
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

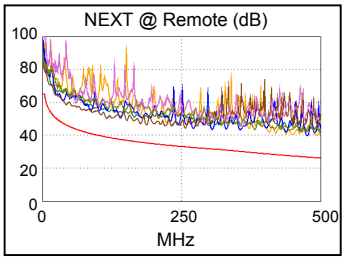


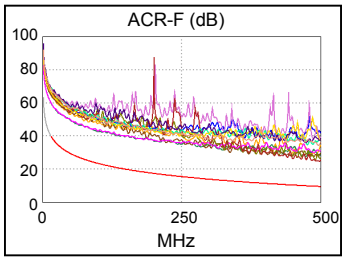
Wire Map (T568A)
PASS

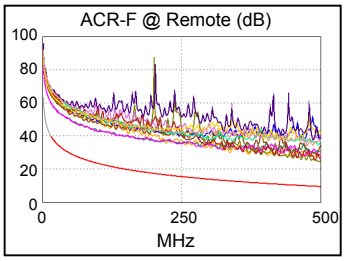


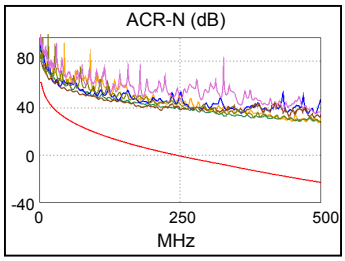


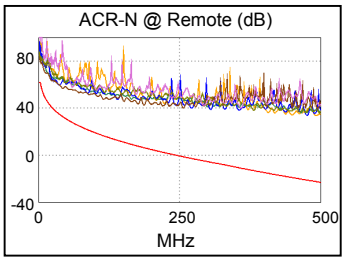


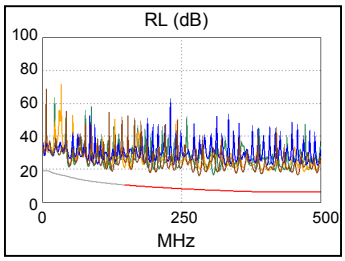


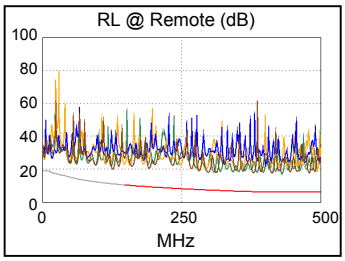












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-13

Date / Time: 01/17/2019 10:56:07 AM
Headroom 7.8 dB (NEXT 12-36)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	22
Prop. Delay (ns), Limit 555	[Pair 45]	35
Delay Skew (ns), Limit 50	[Pair 45]	2
Resistance (ohms)	[Pair 12]	1.5
Insertion Loss Margin (dB)	[Pair 36]	45.0
Frequency (MHz)	[Pair 36]	492.0
Limit (dB)	[Pair 36]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-45	12-36
NEXT (dB)	7.8	9.2	8.2	9.2
Freq. (MHz)	441.0	497.0	500.0	497.0
Limit (dB)	27.6	26.2	26.1	26.2
Worst Pair	36	36	36	36
PS NEXT (dB)	8.0	10.5	8.1	10.5
Freq. (MHz)	441.0	498.0	498.0	498.0
Limit (dB)	24.7	23.3	23.3	23.3

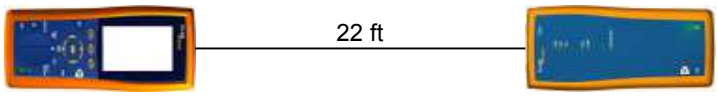
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
ACR-F (dB)	17.9	18.2	18.9	18.7
Freq. (MHz)	430.0	330.0	500.0	482.0
Limit (dB)	10.6	12.9	9.3	9.6
Worst Pair	12	36	12	36
PS ACR-F (dB)	19.2	18.4	19.2	19.5
Freq. (MHz)	482.0	333.0	482.0	486.0
Limit (dB)	6.6	9.8	6.6	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-36
ACR-N (dB)	17.4	17.1	53.6	54.6
Freq. (MHz)	3.1	3.0	500.0	497.0
Limit (dB)	61.1	61.4	-23.2	-23.0
Worst Pair	45	36	36	36
PS ACR-N (dB)	19.4	19.5	53.5	56.0
Freq. (MHz)	3.5	3.4	497.0	498.0
Limit (dB)	57.6	57.9	-25.8	-25.9

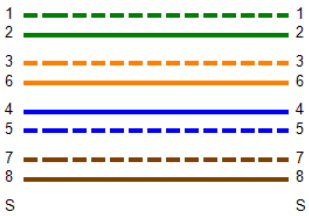
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	10.0	10.9	10.0	10.9
Freq. (MHz)	383.0	460.0	383.0	460.0
Limit (dB)	6.2	6.0	6.2	6.0

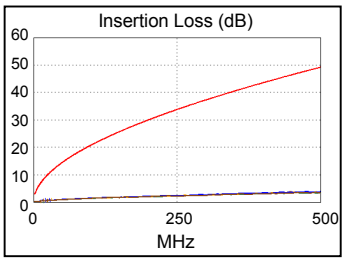
Compliant Network Standards:

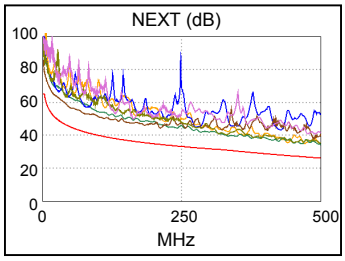
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

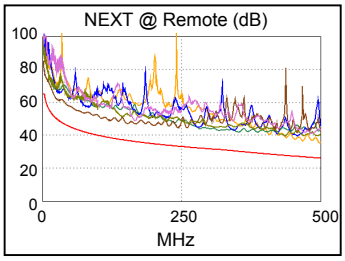


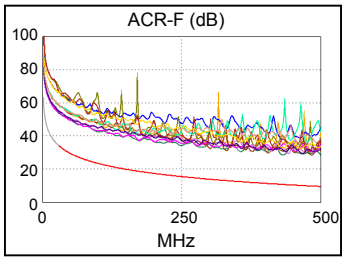
Wire Map (T568A)
PASS

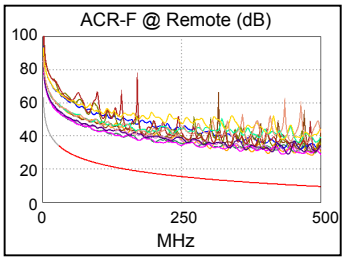


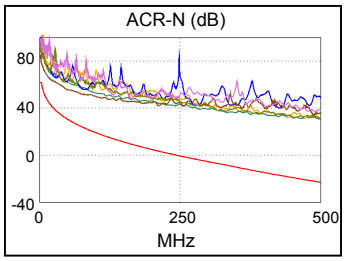


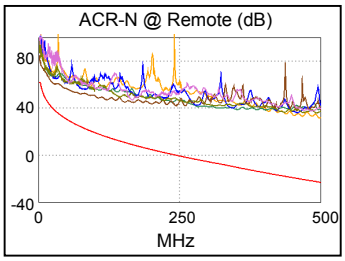


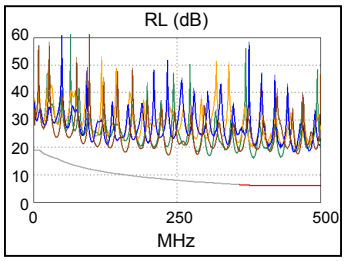


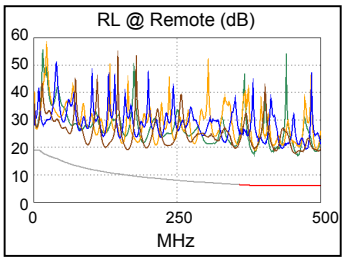












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PT-14

Date / Time: 01/17/2019 10:26:42 AM
Headroom 6.5 dB (NEXT 12-36)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: MARCELO
Software Version: 2.7800
Limits Version: 1.9500
Calibration Date:
Main (Tester): 06/29/2018
Remote (Tester): 06/29/2018

Test Summary: PASS

Model: DTX-1800
Main S/N: 8958043
Remote S/N: 8958044
Main Adapter: DTX-CHA002
Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 12]	22
Prop. Delay (ns), Limit 555	[Pair 45]	35
Delay Skew (ns), Limit 50	[Pair 45]	2
Resistance (ohms)	[Pair 12]	1.5
Insertion Loss Margin (dB)	[Pair 36]	44.2
Frequency (MHz)	[Pair 36]	480.0
Limit (dB)	[Pair 36]	48.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	6.5	7.6	6.5	8.1
Freq. (MHz)	442.0	442.0	443.0	499.0
Limit (dB)	27.6	27.6	27.5	26.1
Worst Pair	36	36	36	36
PS NEXT (dB)	6.6	8.5	7.7	8.7
Freq. (MHz)	443.0	442.0	500.0	458.0
Limit (dB)	24.6	24.6	23.2	24.2

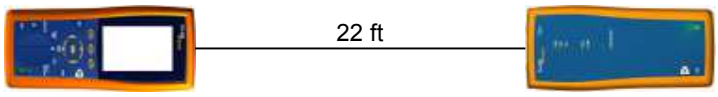
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	36-12	12-36
ACR-F (dB)	17.2	16.9	17.2	16.9
Freq. (MHz)	486.0	486.0	486.0	486.0
Limit (dB)	9.5	9.5	9.5	9.5
Worst Pair	12	12	12	12
PS ACR-F (dB)	18.4	19.3	18.4	19.4
Freq. (MHz)	486.0	436.0	486.0	488.0
Limit (dB)	6.5	7.5	6.5	6.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	12-36
ACR-N (dB)	21.6	21.0	49.0	53.7
Freq. (MHz)	3.1	2.9	443.0	499.0
Limit (dB)	61.1	61.4	-18.6	-23.1
Worst Pair	45	36	36	36
PS ACR-N (dB)	21.3	21.7	53.4	52.0
Freq. (MHz)	3.1	3.3	500.0	458.0
Limit (dB)	58.3	58.2	-26.1	-22.8

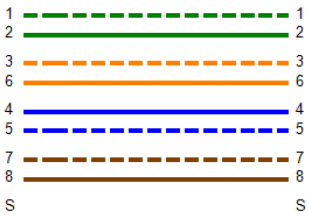
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	78	12	78
RL (dB)	10.2	10.6	10.2	10.6
Freq. (MHz)	433.0	456.0	433.0	456.0
Limit (dB)	6.0	6.0	6.0	6.0

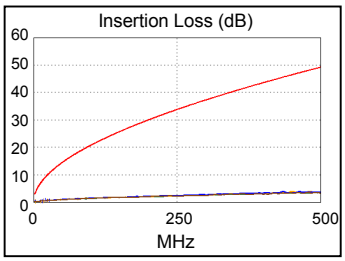
Compliant Network Standards:

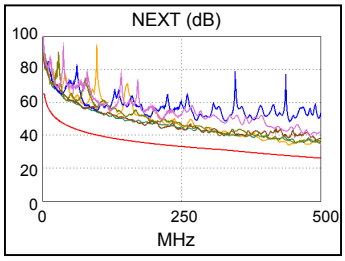
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

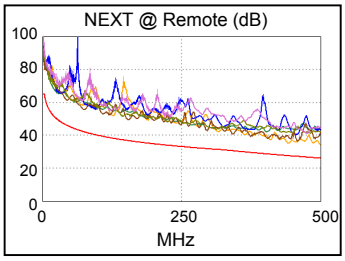


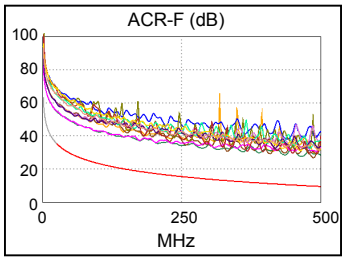
Wire Map (T568A)
PASS

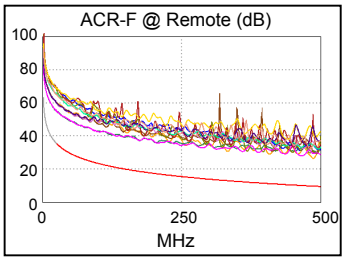


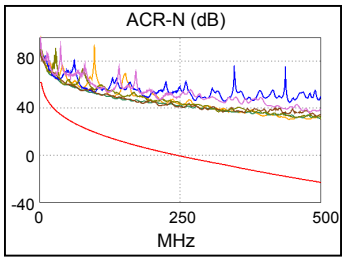


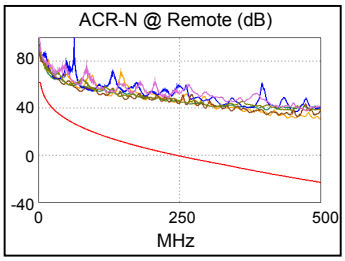


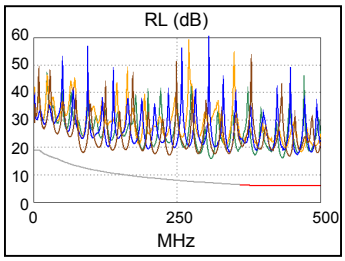


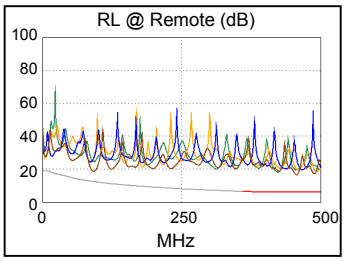












Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
PT-0	PASS	TIA Cat 6A Channel	32 ft	6.6 dB (NEXT)	01/17/2019 11:09 AM
PT-02	PASS	TIA Cat 6A Channel	25 ft	7.7 dB (NEXT)	01/17/2019 11:03 AM
PT-03	PASS	TIA Cat 6A Channel	25 ft	7.6 dB (NEXT)	01/17/2019 11:07 AM
PT-04	PASS	TIA Cat 6A Channel	31 ft	7.0 dB (NEXT)	01/17/2019 10:58 AM
PT-05	PASS	TIA Cat 6A Channel	32 ft	7.6 dB (NEXT)	01/17/2019 11:08 AM
PT-06	PASS	TIA Cat 6A Channel	30 ft	6.5 dB (NEXT)	01/17/2019 11:09 AM
PT-07	PASS	TIA Cat 6A Channel	33 ft	7.5 dB (NEXT)	01/17/2019 10:59 AM
PT-08	PASS	TIA Cat 6A Channel	32 ft	5.0 dB (NEXT)	01/17/2019 11:10 AM
PT-10	PASS	TIA Cat 6A Channel	33 ft	8.2 dB (NEXT)	01/17/2019 10:59 AM
PT-11	PASS	TIA Cat 6A Channel	39 ft	7.6 dB (NEXT)	01/17/2019 01:17 PM
PT-12	PASS	TIA Cat 6A Channel	40 ft	6.9 dB (NEXT)	01/17/2019 01:15 PM
PT-13	PASS	TIA Cat 6A Channel	22 ft	7.8 dB (NEXT)	01/17/2019 10:56 AM
PT-14	PASS	TIA Cat 6A Channel	22 ft	6.5 dB (NEXT)	01/17/2019 10:26 AM

Total Length:	396 ft
Number of Reports:	13
Number of Passing Reports:	13
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0