



**Cable ID: S1-LEGRAND CAT6 UTP ER-CH**

**Test Limit: TIA Cat 6 Channel**

Limits Version: V7.6

Date / Time: 06/23/2022 11:23:12 AM

Operator: MORADI

**Headroom 11.6 dB (NEXT 3,6-7,8)**

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Main: Versiv

S/N: 2934032

Software Version: V6.6 Build 2

Calibration Date: 01/25/2020

Adapter: DSX-5000 (DSX-CHA004)

S/N: 2496243

**Test Summary: PASS**

Remote: Versiv

S/N: 2468333

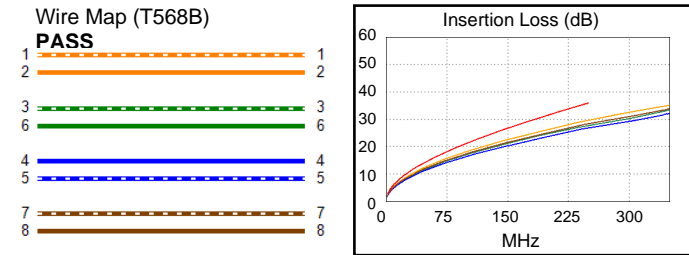
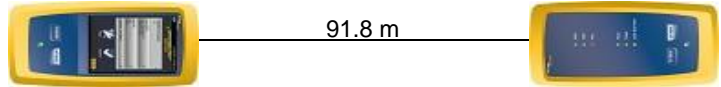
Software Version: V6.6 Build 2

Calibration Date: 08/12/2013

Adapter: DSX-5000R (DSX-CHA004)

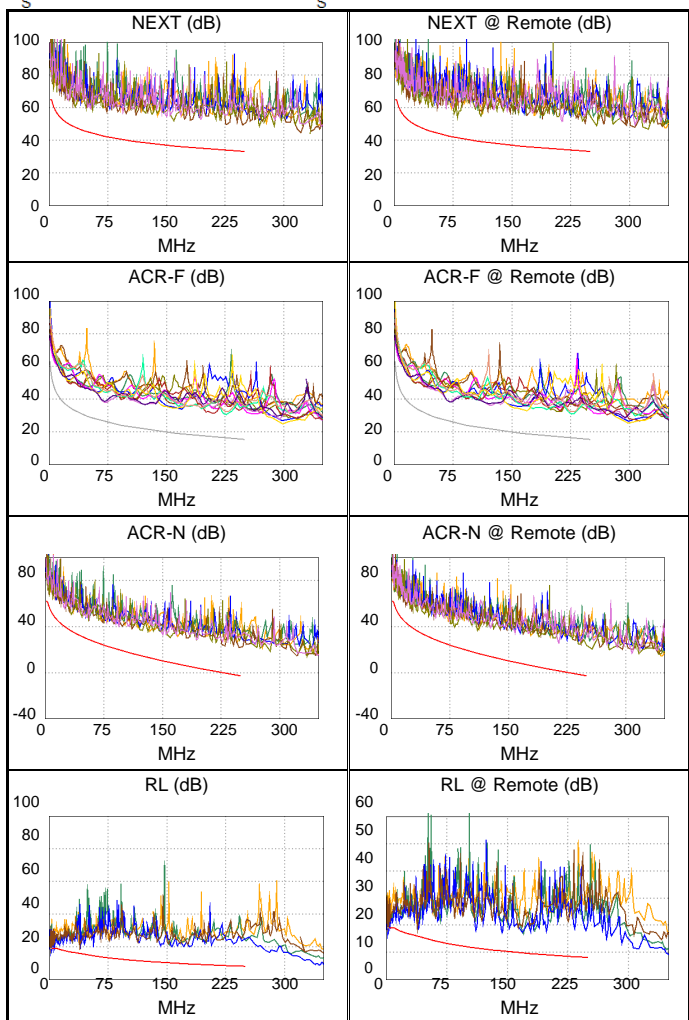
S/N: 2496247

Length (m), Limit 100.0	[Pair 4,5]	91.8
Prop. Delay (ns), Limit 555	[Pair 1,2]	468
Delay Skew (ns), Limit 50	[Pair 1,2]	24
Resistance (ohms)	[Pair 1,2]	16.93
Insertion Loss Margin (dB)	[Pair 1,2]	6.3
Frequency (MHz)	[Pair 1,2]	250.0
Limit (dB)	[Pair 1,2]	35.9



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-4,5	3,6-4,5
<b>NEXT (dB)</b>	11.6	12.6	15.5	17.3
Freq. (MHz)	5.1	80.5	248.0	243.5
Limit (dB)	61.3	41.5	33.2	33.3
Worst Pair	3,6	3,6	3,6	3,6
<b>PS NEXT (dB)</b>	13.3	12.8	16.9	18.4
Freq. (MHz)	5.3	3.3	230.0	243.5
Limit (dB)	58.6	62.0	30.8	30.4
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	4,5-7,8
<b>ACR-F (dB)</b>	11.8	12.1	14.4	14.6
Freq. (MHz)	72.3	70.5	227.0	227.5
Limit (dB)	26.1	26.3	16.1	16.1
Worst Pair	7,8	7,8	7,8	7,8
<b>PS ACR-F (dB)</b>	13.5	13.8	16.3	16.8
Freq. (MHz)	70.8	70.0	226.5	227.5
Limit (dB)	23.3	23.4	13.2	13.1
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-4,5	3,6-7,8
<b>ACR-N (dB)</b>	12.3	13.8	24.4	26.5
Freq. (MHz)	5.1	3.3	248.0	250.0
Limit (dB)	56.8	60.9	-2.6	-2.8
Worst Pair	3,6	3,6	3,6	3,6
<b>PS ACR-N (dB)</b>	14.2	13.5	26.0	26.4
Freq. (MHz)	5.3	3.3	248.0	243.5
Limit (dB)	54.0	58.4	-5.6	-5.0
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	4,5	4,5	4,5
<b>RL (dB)</b>	0.8*	0.0*	9.4	6.1
Freq. (MHz)	5.0	3.9	173.0	173.5
Limit (dB)	19.0	19.0	9.6	9.6



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

\* Measurement is within the accuracy limits of the instrument.