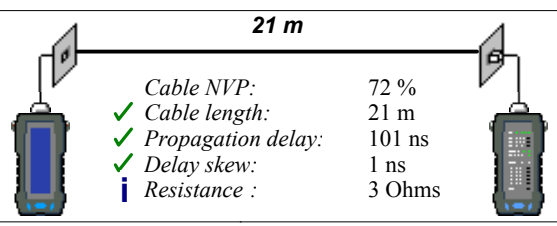


Cable Certification Report (PowerSum data)

Limit: TIA-568-B Category 6 Link
 Tested: 12.02.2011 10:16
 Cable: Unspecified
 WS 350
 DR 350
 Profile: Default Cat 6
 Operator: fg



<p>Attenuation (dB)</p> <p>Worst pair: 1 (4,5) Value (dB): 7,2 Limit (dB): 30,8 Margin (dB): 23,6 Frequency (MHz): 245,50</p>		<p>Wiremap (pairing T568B)</p> <p>Pr1 4 5 Pr2 1 2 Pr3 3 6 Pr4 7 8 Shield</p>												
<p>PowerSum NEXT (dB)</p> <table border="1"> <thead> <tr> <th>@WS</th> <th>@DR</th> </tr> </thead> <tbody> <tr> <td>Worst pair: 1 (4,5)</td> <td>2 (1,2)</td> </tr> <tr> <td>Value (dB): 42,1</td> <td>47,6</td> </tr> <tr> <td>Limit (dB): 39,2</td> <td>44,1</td> </tr> <tr> <td>Margin (dB): 2,9</td> <td>3,5</td> </tr> <tr> <td>Frequency (MHz): 102,00</td> <td>51,25</td> </tr> </tbody> </table>	@WS	@DR	Worst pair: 1 (4,5)	2 (1,2)	Value (dB): 42,1	47,6	Limit (dB): 39,2	44,1	Margin (dB): 2,9	3,5	Frequency (MHz): 102,00	51,25		
@WS	@DR													
Worst pair: 1 (4,5)	2 (1,2)													
Value (dB): 42,1	47,6													
Limit (dB): 39,2	44,1													
Margin (dB): 2,9	3,5													
Frequency (MHz): 102,00	51,25													
<p>Return Loss (dB)</p> <table border="1"> <thead> <tr> <th>@WS</th> <th>@DR</th> </tr> </thead> <tbody> <tr> <td>Worst pair: 1 (4,5)</td> <td>1 (4,5)</td> </tr> <tr> <td>Value (dB): 18,2</td> <td>12,2</td> </tr> <tr> <td>Limit (dB): 15,2</td> <td>10,0</td> </tr> <tr> <td>Margin (dB): 3,0</td> <td>2,2</td> </tr> <tr> <td>Frequency (MHz): 76,75</td> <td>250,00</td> </tr> </tbody> </table>	@WS	@DR	Worst pair: 1 (4,5)	1 (4,5)	Value (dB): 18,2	12,2	Limit (dB): 15,2	10,0	Margin (dB): 3,0	2,2	Frequency (MHz): 76,75	250,00		
@WS	@DR													
Worst pair: 1 (4,5)	1 (4,5)													
Value (dB): 18,2	12,2													
Limit (dB): 15,2	10,0													
Margin (dB): 3,0	2,2													
Frequency (MHz): 76,75	250,00													
<p>PowerSum ELFEXT (dB)</p> <table border="1"> <thead> <tr> <th>Atten(TX)</th> <th>Atten(RX)</th> </tr> </thead> <tbody> <tr> <td>Worst pair: 3 (3,6)</td> <td>3 (3,6)</td> </tr> <tr> <td>Value (dB): 40,1</td> <td>29,4</td> </tr> <tr> <td>Limit (dB): 29,2</td> <td>18,0</td> </tr> <tr> <td>Margin (dB): 10,9</td> <td>11,4</td> </tr> <tr> <td>Frequency (MHz): 40,00</td> <td>145,00</td> </tr> </tbody> </table>	Atten(TX)	Atten(RX)	Worst pair: 3 (3,6)	3 (3,6)	Value (dB): 40,1	29,4	Limit (dB): 29,2	18,0	Margin (dB): 10,9	11,4	Frequency (MHz): 40,00	145,00		
Atten(TX)	Atten(RX)													
Worst pair: 3 (3,6)	3 (3,6)													
Value (dB): 40,1	29,4													
Limit (dB): 29,2	18,0													
Margin (dB): 10,9	11,4													
Frequency (MHz): 40,00	145,00													
<p>PowerSum ACR² (dB)</p> <table border="1"> <thead> <tr> <th>@WS</th> <th>@DR</th> </tr> </thead> <tbody> <tr> <td>Worst pair: 1 (4,5)</td> <td>1 (4,5)</td> </tr> <tr> <td>Value (dB): 29,2</td> <td>32,3</td> </tr> <tr> <td>Limit (dB):</td> <td></td> </tr> <tr> <td>Margin (dB):</td> <td></td> </tr> <tr> <td>Frequency (MHz): 246,50</td> <td>250,00</td> </tr> </tbody> </table>	@WS	@DR	Worst pair: 1 (4,5)	1 (4,5)	Value (dB): 29,2	32,3	Limit (dB):		Margin (dB):		Frequency (MHz): 246,50	250,00		
@WS	@DR													
Worst pair: 1 (4,5)	1 (4,5)													
Value (dB): 29,2	32,3													
Limit (dB):														
Margin (dB):														
Frequency (MHz): 246,50	250,00													

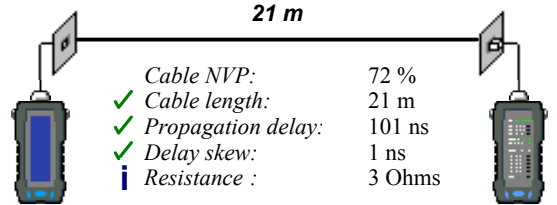
Networks tested

10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

Not required for selected limit

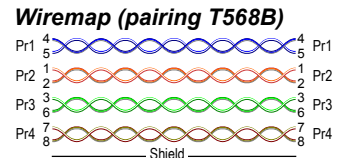
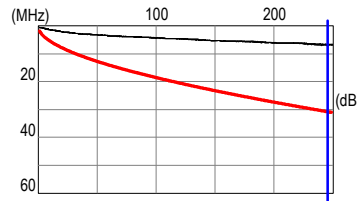
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568-B Category 6 Link
 Tested: 12.02.2011 10:16
 Cable: Unspecified
 WS 350 SG42200046 with Agilent Technologies Cat 6 Link (491)
 DR 350 SG42302716 with Agilent Technologies Cat 6 Link (437)
 Profile: Default Cat 6
 Operator: fg



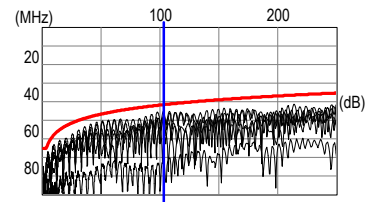
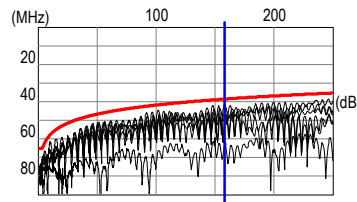
✓ Attenuation (dB)

Worst pair: 1 (4,5)
 Value (dB): 7,2
 Limit (dB): 30,8
 Margin (dB): 23,6
 Frequency (MHz): 245,50



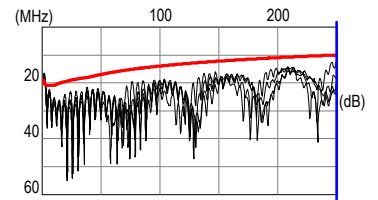
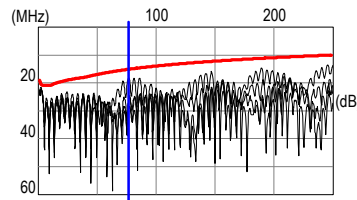
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-2
Value (dB):	41,3	45,2
Limit (dB):	38,6	41,6
Margin (dB):	2,7	3,6
Frequency (MHz):	158,00	103,00



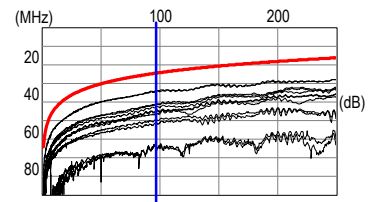
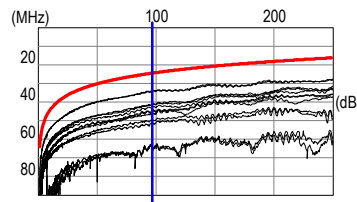
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	18,2	12,2
Limit (dB):	15,2	10,0
Margin (dB):	3,0	2,2
Frequency (MHz):	76,75	250,00



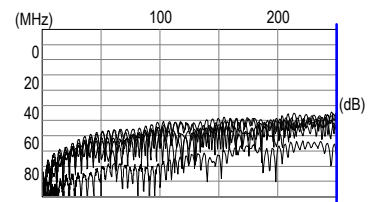
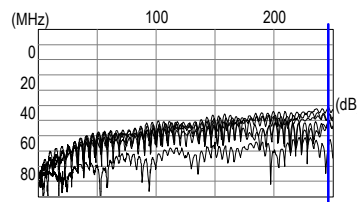
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	33,7	33,7
Limit (dB):	24,5	24,5
Margin (dB):	9,2	9,2
Frequency (MHz):	97,00	97,00



i ACR² (dB)

	@WS	@DR
Worst combo:	1-3	1-3
Value (dB):	31,6	34,2
Limit (dB):		
Margin (dB):		
Frequency (MHz):	246,00	250,00



Networks tested

10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

Not required for selected limit