



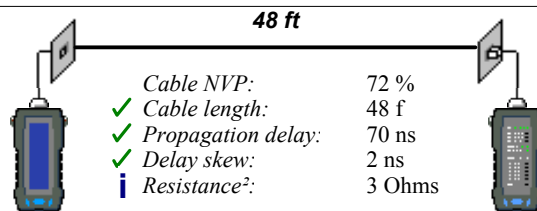
www.tekprosystems.com  
North Brunswick NJ  
723.828.0095

Site: **Tekpro Customer**  
Room: **X**  
Rack: **A**  
Patch Panel: **A**  
Cable Label: **X-A-A-1**



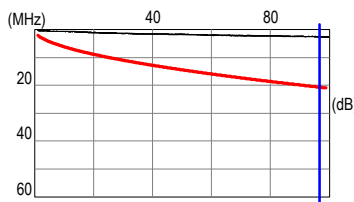
## Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 5E Link  
Tested: 05/08/2004 4:23 PM  
Cable: Cat 5E UTP  
WS 350 SG42080007 with Agilent Technologies Cat 6 Link (6)  
DR 350 SG42080007 with Agilent Technologies Cat 6 Link (2)  
Profile: Tekpro Customer  
Operator: CY

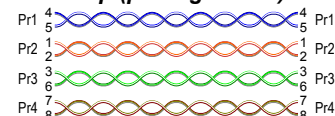


### Attenuation (dB)

Worst pair: 1 (4,5)  
Value (dB): 2.8  
Limit (dB): 20.6  
Margin (dB): 17.8  
Frequency (MHz): 96.75

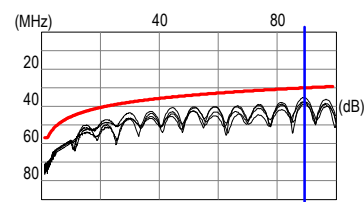
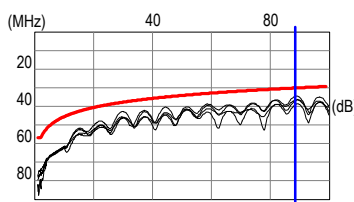


### Wiremap (pairing T568B)



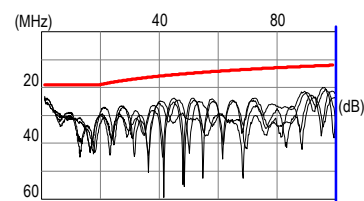
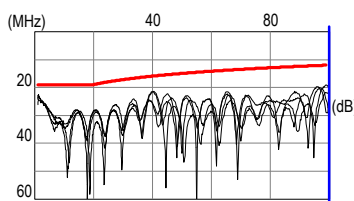
### PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	34.6	35.3
Limit (dB):	30.2	30.1
Margin (dB):	4.4	5.2
Frequency (MHz):	88.50	89.25



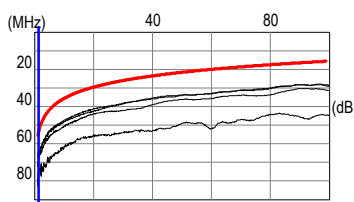
### Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	2 (1,2)
Value (dB):	20.1	22.6
Limit (dB):	12.0	12.0
Margin (dB):	8.1	10.6
Frequency (MHz):	100.00	100.00



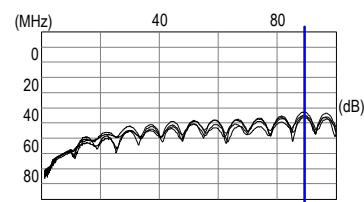
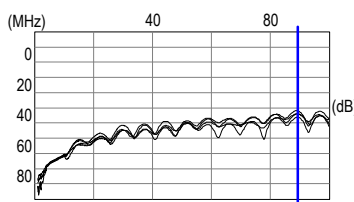
### PowerSum ELFEXT (dB)

Worst pair: 3 (3,6)  
Value (dB): 62.6  
Limit (dB): 53.7  
Margin (dB): 8.9  
Frequency (MHz): 1.25



### PowerSum ACR<sup>2</sup> (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	31.9	32.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	89.25	89.25



## Networks tested

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

<sup>2</sup> Not required for selected limit



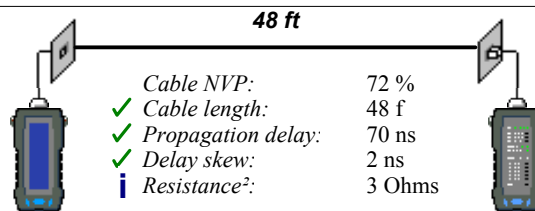
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Site: Tekpro Customer  
Room: X  
Rack: A  
Patch Panel: A  
Cable Label: X-A-A-1



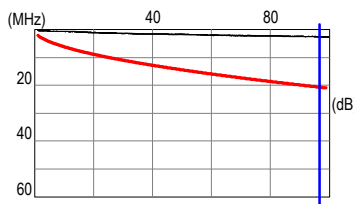
## Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 5E Link  
Tested: 05/08/2004 4:23 PM  
Cable: Cat 5E UTP  
WS 350 SG42080007 with Agilent Technologies Cat 6 Link (6)  
DR 350 SG42080007 with Agilent Technologies Cat 6 Link (2)  
Profile: Tekpro Customer  
Operator: CY

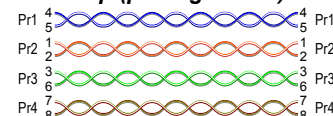


### ✓ Attenuation (dB)

Worst pair: 1 (4,5)  
Value (dB): 2.8  
Limit (dB): 20.6  
Margin (dB): 17.8  
Frequency (MHz): 96.75

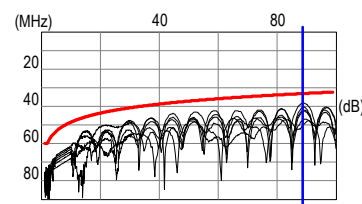
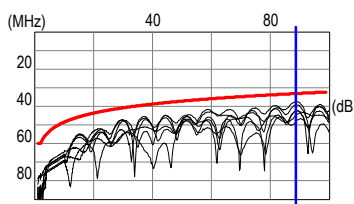


### Wiremap (pairing T568B)



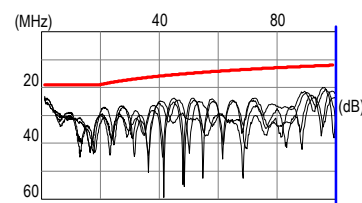
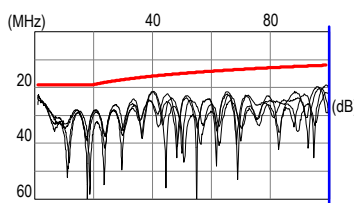
### ✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-4	3-4
Value (dB):	37.5	38.4
Limit (dB):	33.2	33.2
Margin (dB):	4.3	5.2
Frequency (MHz):	88.75	88.75



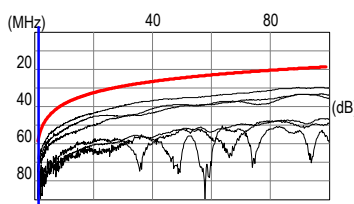
### ✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	2 (1,2)
Value (dB):	20.1	22.6
Limit (dB):	12.0	12.0
Margin (dB):	8.1	10.6
Frequency (MHz):	100.00	100.00



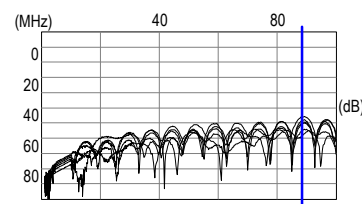
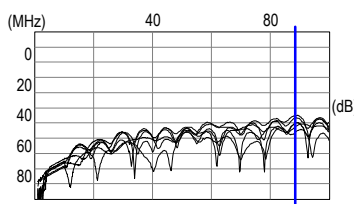
### ✓ ELFEXT (dB)

Worst combo: 3-2  
Value (dB): 64.6  
Limit (dB): 56.7  
Margin (dB): 7.9  
Frequency (MHz): 1.25



### i ACR<sup>2</sup> (dB)

	@WS	@DR
Worst combo:	3-4	3-4
Value (dB):	34.9	35.8
Limit (dB):		
Margin (dB):		
Frequency (MHz):	88.50	88.50



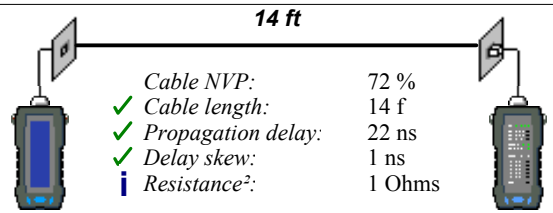
## Networks tested

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

<sup>2</sup> Not required for selected limit

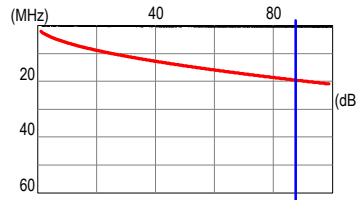
## Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 5E Link  
Tested: 05/08/2004 4:24 PM  
Cable: Cat 5E UTP  
WS 350 SG42080007 with Agilent Technologies Cat 6 Link (7)  
DR 350 SG42080007 with Agilent Technologies Cat 6 Link (3)  
Profile: Tekpro Customer  
Operator: CY

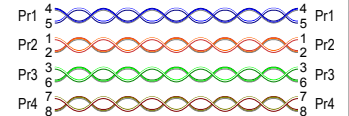


### ✓ Attenuation (dB)

Worst pair: 2 (1,2)  
Value (dB): 0.6  
Limit (dB): 19.5  
Margin (dB): 18.9  
Frequency (MHz): 87.50

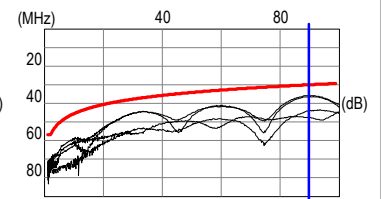
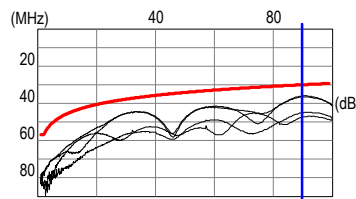


### Wiremap (pairing T568B)



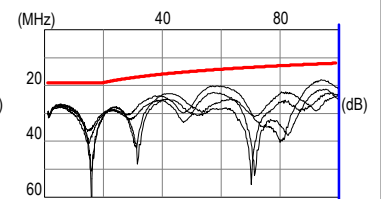
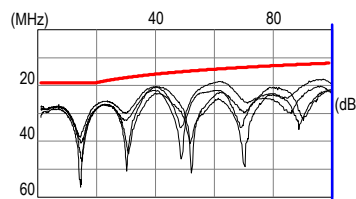
### ✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	36.1	35.7
Limit (dB):	30.1	30.1
Margin (dB):	6.0	5.6
Frequency (MHz):	89.75	89.75



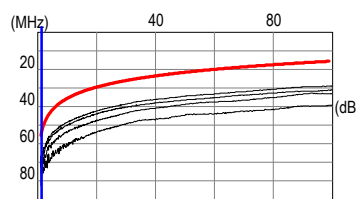
### ✓ Return Loss (dB)

	@WS	@DR
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	19.9	21.3
Limit (dB):	12.0	12.0
Margin (dB):	7.9	9.3
Frequency (MHz):	100.00	100.00



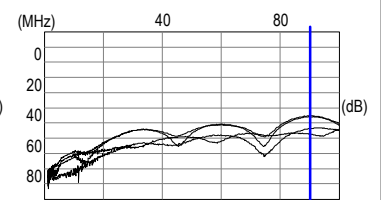
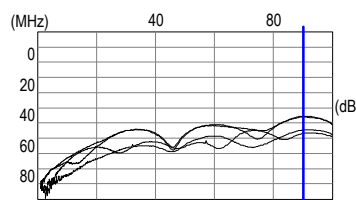
### ✓ PowerSum ELFEXT (dB)

Worst pair: 3 (3,6)  
Value (dB): 64.1  
Limit (dB): 53.7  
Margin (dB): 10.4  
Frequency (MHz): 1.25



### i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	35.5	35.2
Limit (dB):		
Margin (dB):		
Frequency (MHz):	90.25	90.25



## Networks tested

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

<sup>2</sup> Not required for selected limit



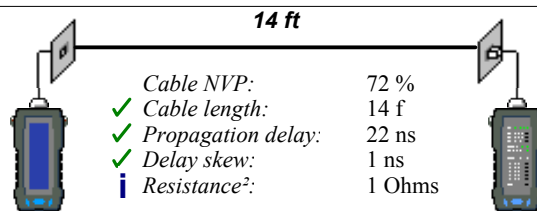
www.tekprosystems.com  
North Brunswick NJ  
723.828.0095

Site: Tekpro Customer  
Room: X  
Rack: A  
Patch Panel: A  
Cable Label: X-A-A-2



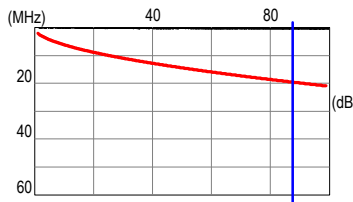
## Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 5E Link  
Tested: 05/08/2004 4:24 PM  
Cable: Cat 5E UTP  
WS 350 SG42080007 with Agilent Technologies Cat 6 Link (7)  
DR 350 SG42080007 with Agilent Technologies Cat 6 Link (3)  
Profile: Tekpro Customer  
Operator: CY

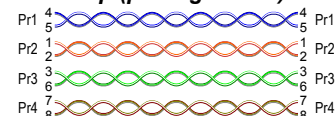


### Attenuation (dB)

Worst pair: 2 (1,2)  
Value (dB): 0.6  
Limit (dB): 19.5  
Margin (dB): 18.9  
Frequency (MHz): 87.50

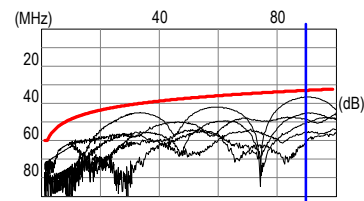
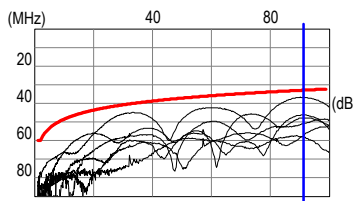


### Wiremap (pairing T568B)



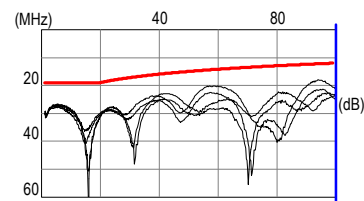
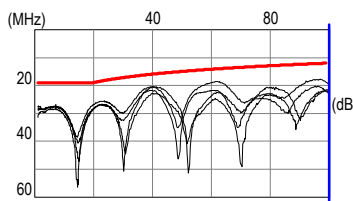
### NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-3
Value (dB):	36.7	36.5
Limit (dB):	33.0	33.1
Margin (dB):	3.7	3.4
Frequency (MHz):	91.25	89.75



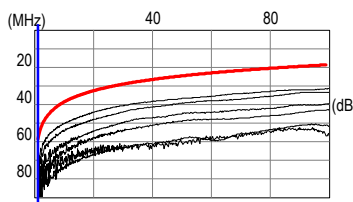
### Return Loss (dB)

	@WS	@DR
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	19.9	21.3
Limit (dB):	12.0	12.0
Margin (dB):	7.9	9.3
Frequency (MHz):	100.00	100.00



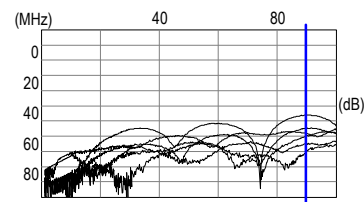
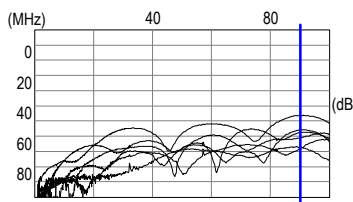
### ELFEXT (dB)

Worst combo: 3-2  
Value (dB): 67.1  
Limit (dB): 58.6  
Margin (dB): 8.5  
Frequency (MHz): 1.00



### ACR<sup>2</sup> (dB)

	@WS	@DR
Worst combo:	1-3	1-3
Value (dB):	36.2	36.0
Limit (dB):		
Margin (dB):		
Frequency (MHz):	90.25	89.75



## Networks tested

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

<sup>2</sup> Not required for selected limit