

Project Number: G100286491  
Certificate of Conformance #: 3117361CRT-007

Date Issued: 3/24/2011

Test Report Number: G100286491CRT-009b

Applicant:  
Superior Essex  
Attn: Ms. Gayle Watson  
6120 Powers Ferry Road  
Suite 150  
Atlanta, GA 30339

Manufacturer:  
Leviton Network Solutions  
Attn: Mr. Gary Bernstein  
2222 222nd SE  
Bothell, WA 98021



Dear Ms. Gayle Watson;

Intertek is pleased to provide this Letter Report covering the follow-up testing on your 4 Connector Channel. The sample were submitted from your Superior Essex's distribution located in Hoisington, KS and Leviton's distribution located in Bothell WA. The samples were received on 2/28/2011 in good condition for 1st Bi-Annual Follow-up Testing.

4 Connector Channel: Cat-5e+

Manufacturer	Part Number	Description
Leviton	5G460-XXL	Equipment Cord (XX denotes length)
Leviton	5G110-RL5	Wall Outlet
Superior Essex	52-200-X5-CMR	Cobra Horizontal Cable (X denotes color)
Leviton	41AB2-1F4	110 Block
Leviton	5G596-U24	Patch Panel
Leviton	5G460-XXL	Cross Connect (XX denotes length)

The testing was performed at Intertek located in Cortland, NY on 3/24/2011 to the TIA 568-C.2 Category 5e and the NextLan Specification Rev. 6 and did comply with the applicable requirements of the test specifications.

We have appreciated this opportunity to be of service to you. If there are any questions regarding this letter or any other services offered by Intertek, please do not hesitate to contact us.

Sincerely,

Handwritten signature of Kathy Heath in black ink.

Kathy Heath  
Project Coordinator  
Global Cabling Products Testing  
Phone: (607) 758-6641  
Email: kathy.heath@intertek.com

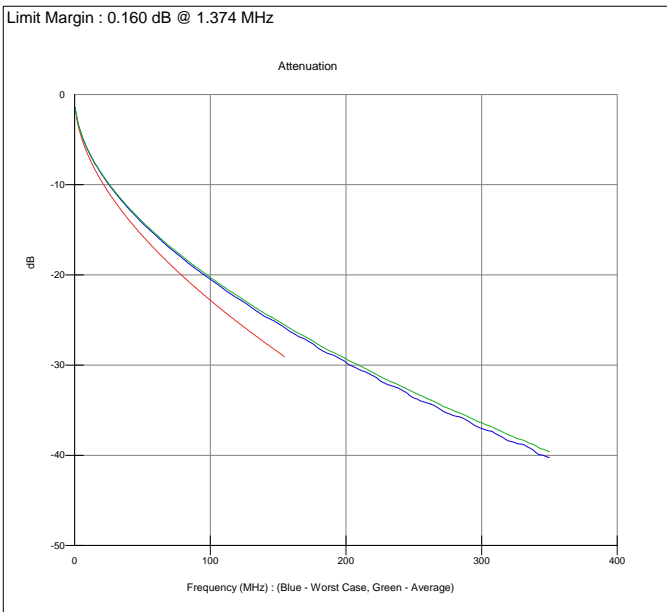
Handwritten signature of John Cash in black ink.

John Cash  
Technician  
Global Cabling Products Testing  
Phone: (607) 758-6677  
Email: john.cash@intertek.com

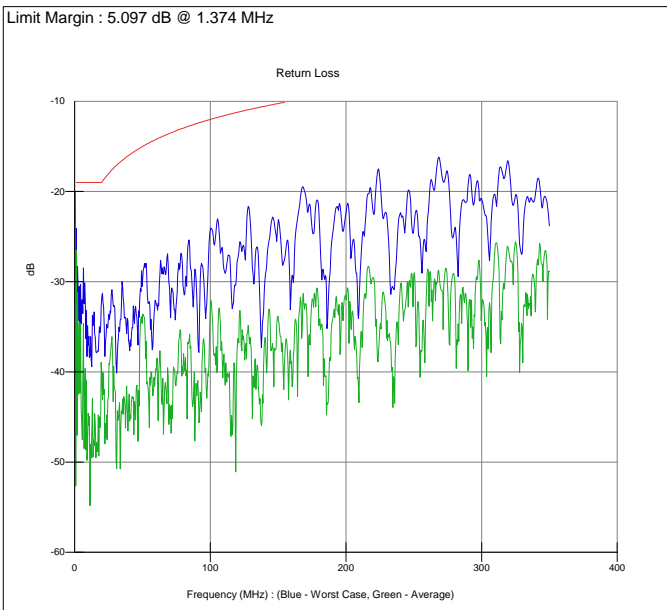


## Summary

<b>Client</b>	Superior Essex	<b>Report No</b>	100286491CRT-009b
<b>Specification</b>	TIA-568-C2 - Cat 5e Channel NextLAN 155MHz		
<b>Part No</b>	52-200-35-CMR	<b>Length</b>	100.
<b>Test Started</b>	3/24/2011 11:51:01 AM	<b>Temperature</b>	20 °C
<b>Description</b>	4 Connector Channel		A
<b>Technician</b>	John Cash	<b>Test Status</b>	Complies



Attenuation			
Freq	Worst Case	Average	Spec
1.	2.0	1.9	2.1
4.	3.9	3.9	4.2
8.	5.5	5.5	6.0
10.	6.2	6.2	6.7
16.	7.9	7.8	8.6
20.	8.8	8.8	9.6
25.	9.9	9.8	10.8
31.25	11.1	11.0	12.2
62.5	16.0	15.8	17.6
100.	20.5	20.3	22.8
250.	33.6	33.0	
350.	40.3	39.6	

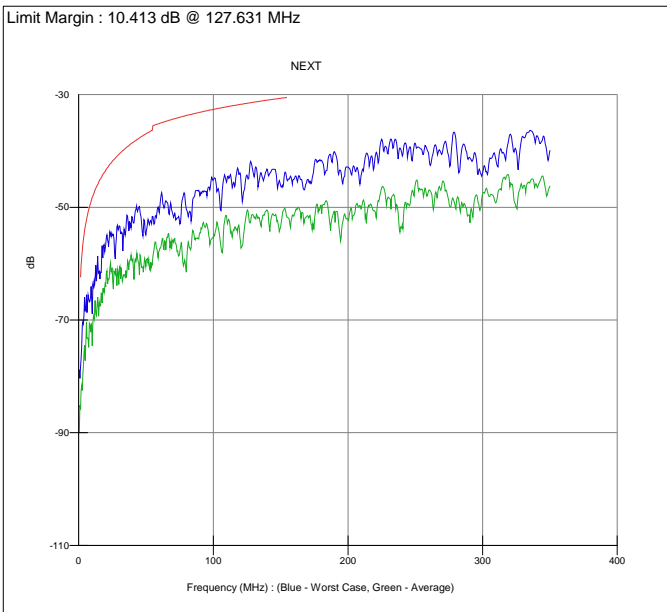


Return Loss			
Freq	Worst Case	Average	Spec
1.	40.4	48.9	19.0
4.	37.8	42.2	19.0
8.	32.4	41.1	19.0
10.	36.5	45.5	19.0
16.	37.8	48.7	19.0
20.	32.0	40.2	19.0
25.	34.0	42.5	18.0
31.25	40.4	48.2	17.1
62.5	30.9	39.1	14.1
100.	24.4	33.4	12.0
250.	24.3	29.3	
350.	23.8	28.9	

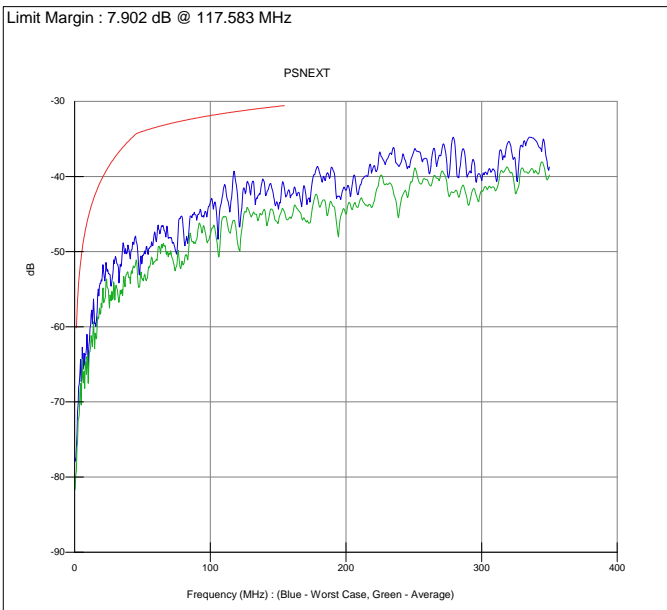


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NEXT			
Freq	Worst Case	Average	Spec
1.	81.0	85.3	64.1
4.	68.7	75.6	54.9
8.	66.9	70.6	49.9
10.	68.5	73.6	48.4
16.	62.5	67.5	45.0
20.	56.9	63.8	43.5
25.	55.0	61.0	41.9
31.25	54.9	61.9	40.3
62.5	49.2	55.5	34.9
100.	45.1	55.4	32.6
250.	38.7	46.1	
350.	39.9	46.2	

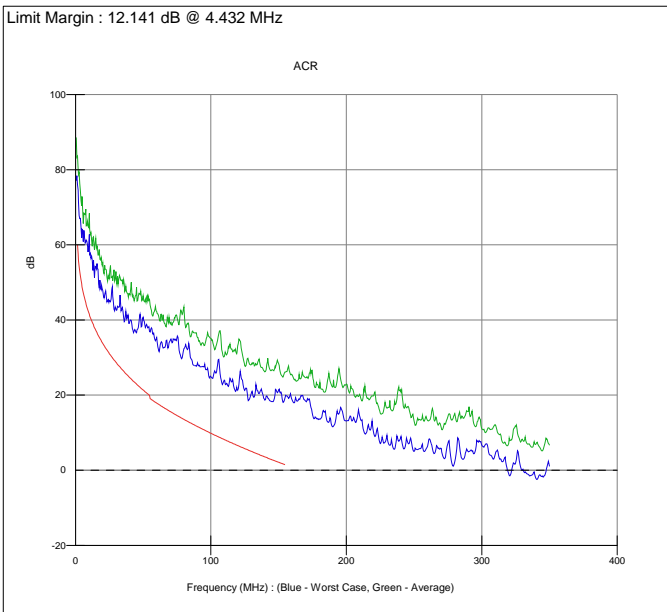


PSNEXT			
Freq	Worst Case	Average	Spec
1.	77.9	79.7	61.9
4.	66.2	68.7	52.3
8.	63.7	64.8	47.1
10.	65.3	66.8	45.5
16.	59.8	61.5	42.0
20.	54.2	57.2	40.4
25.	52.9	55.2	38.7
31.25	51.6	54.9	37.1
62.5	47.1	49.3	33.3
100.	43.5	47.8	31.9
250.	36.7	39.4	
350.	38.7	39.8	

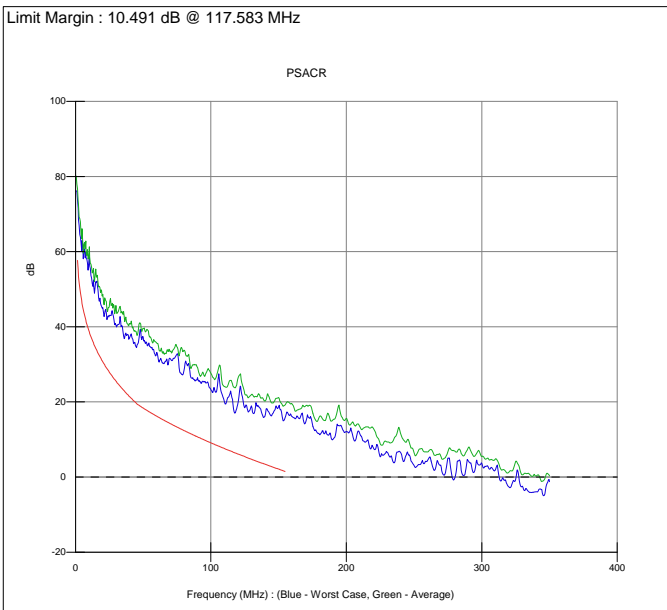


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<b>Technician</b>	John Cash	<b>Test Status</b>	Complies



ACR			
Freq	Worst Case	Average	Spec
1.	79.0	83.3	62.0
4.	64.7	71.7	50.7
8.	61.4	65.0	44.0
10.	62.4	67.4	41.7
16.	54.6	59.7	36.5
20.	48.0	55.1	33.8
25.	45.2	51.1	31.1
31.25	43.7	50.8	28.1
62.5	33.3	39.7	17.3
100.	24.9	35.1	9.8
250.	5.0	12.9	
350.	1.0	6.6	

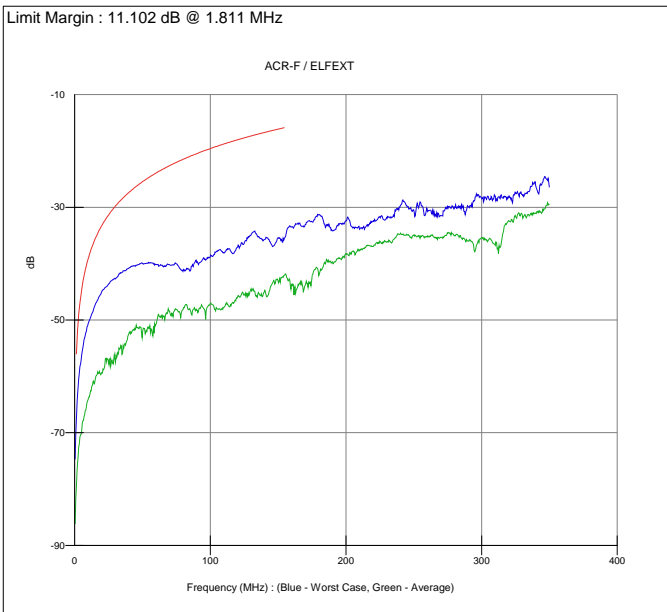


PSACR			
Freq	Worst Case	Average	Spec
1.	76.0	77.7	59.8
4.	62.3	64.8	48.1
8.	58.1	59.3	41.2
10.	59.1	60.6	38.8
16.	51.9	53.7	33.5
20.	45.4	48.5	30.8
25.	43.1	45.4	27.9
31.25	40.5	43.9	24.9
62.5	31.2	33.5	15.7
100.	23.2	27.6	9.1
250.	3.0	6.3	
350.	-1.2	0.3	

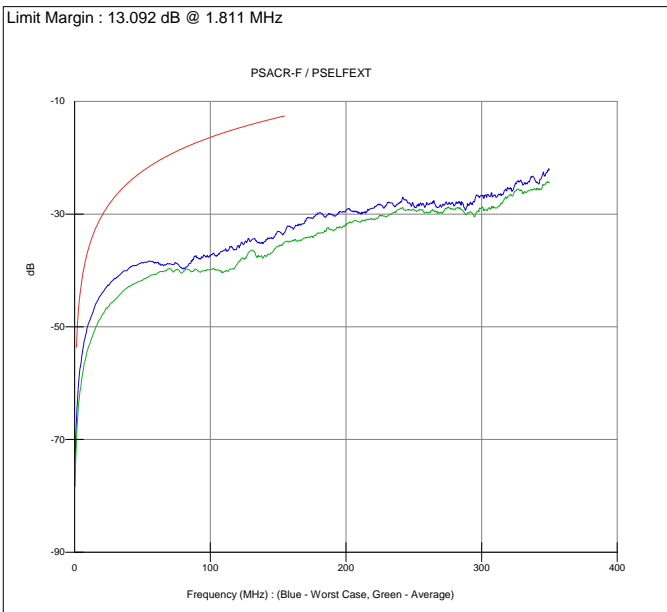


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ACR-F / ELFEXT			
Freq	Worst Case	Average	Spec
1.	70.0	81.5	58.1
4.	58.3	70.8	47.0
8.	52.7	66.1	41.1
10.	50.7	64.1	39.2
16.	46.9	59.9	35.2
20.	45.0	59.4	33.3
25.	43.7	57.2	31.4
31.25	42.5	56.5	29.5
62.5	40.4	49.4	23.6
100.	38.7	47.2	19.6
250.	30.5	35.0	
350.	26.5	29.6	

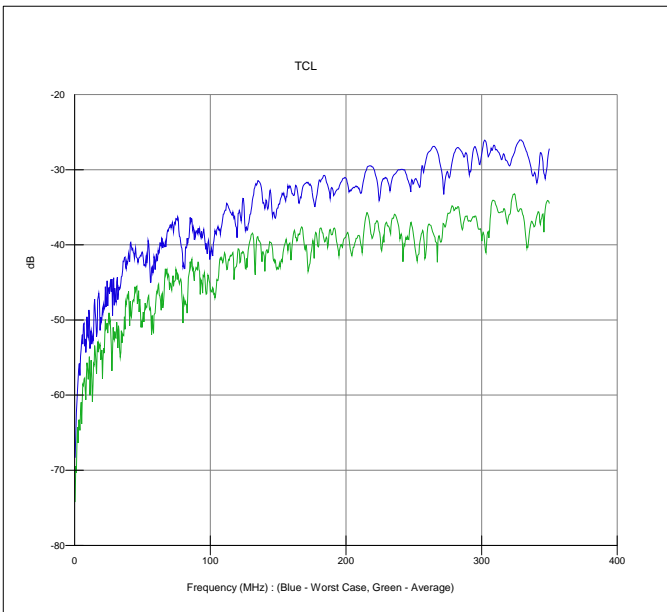


PSACR-F / PSELFEXT			
Freq	Worst Case	Average	Spec
1.	69.0	73.0	55.7
4.	57.5	61.4	44.4
8.	51.7	55.8	38.3
10.	49.7	53.8	36.4
16.	45.8	49.9	32.3
20.	44.1	48.1	30.4
25.	42.7	46.4	28.4
31.25	41.2	44.9	26.5
62.5	38.9	40.3	20.5
100.	37.5	39.9	16.4
250.	28.5	29.2	
350.	22.2	24.4	

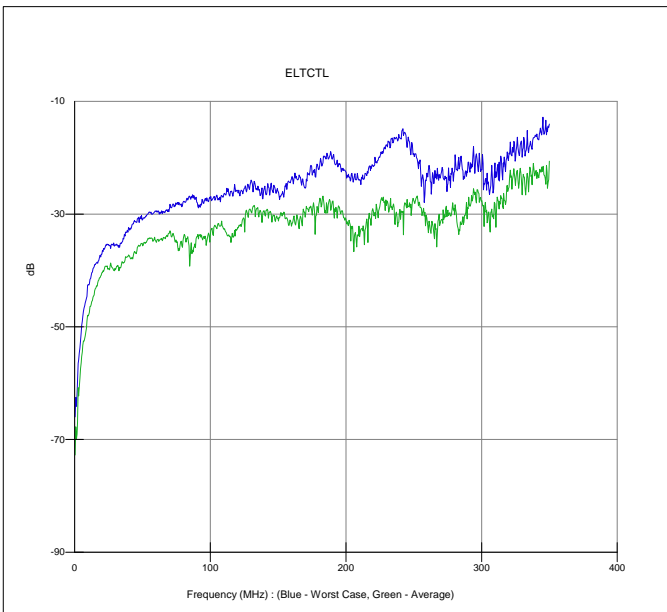


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TCL			
Freq	Worst Case	Average	Spec
1.	66.4	69.5	
4.	57.4	64.7	
8.	52.8	59.5	
10.	52.9	57.5	
16.	52.3	56.4	
20.	50.1	54.3	
25.	45.8	50.1	
31.25	44.7	50.7	
62.5	41.0	46.6	
100.	41.5	45.9	
250.	31.8	39.0	
350.	27.2	34.5	



ELTCTL			
Freq	Worst Case	Average	Spec
1.	64.0	68.1	
4.	53.7	59.1	
8.	45.7	51.5	
10.	42.5	48.0	
16.	38.7	42.9	
20.	37.2	40.6	
25.	35.4	39.7	
31.25	35.5	39.2	
62.5	30.0	34.7	
100.	27.2	34.1	
250.	19.3	27.6	
350.	14.0	20.6	