

Project Number: G100286491  
Certificate of Conformance #: 3117361CRT-011

Date Issued: 3/25/2011

Test Report Number: G100286491CRT-009f

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: NextLANTM Cat-6Ex

Manufacturer	Part Number	Description
Leviton	62460-XXL	Equipment Cord (XX denotes length)
Leviton	61110-RA6	Wall Outlet
Superior Essex	54-246-XA-CMR	NextGain Horizontal Cable (X denotes color)
Leviton	41AB6-1F4	110 Block
Leviton	69586-U24	Patch Panel
Leviton	62460-XXL	Cross Connect (XX denotes length)

The testing was performed at Intertek located in Cortland, NY on 3/25/2011 to the TIA 568-C.2 Category 6 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,

A handwritten signature in black ink that reads 'Kathy Heath'.

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

A handwritten signature in black ink that reads 'John Cash'.

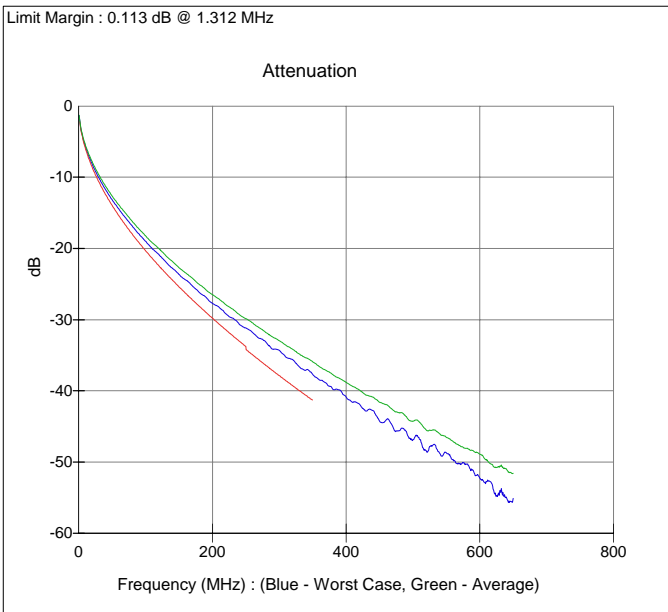
John Cash  
Technician  
Global Cabling Products Testing  
Phone: (607) 758-6677  
Email: john.cash@intertek.com

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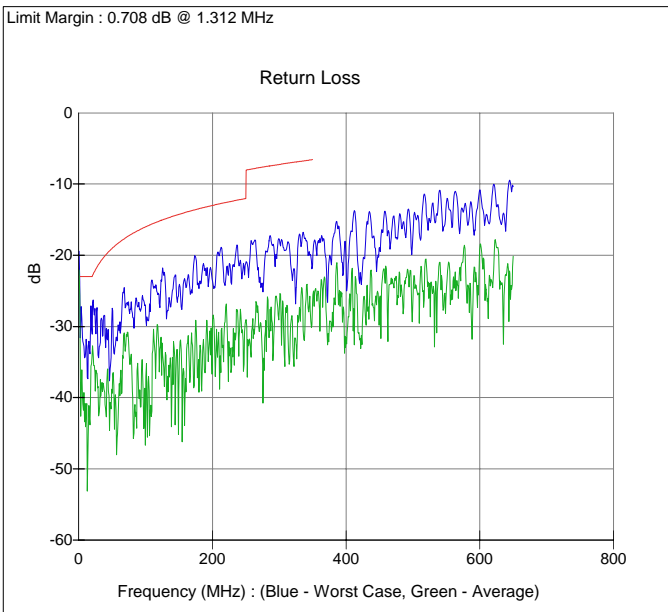


## Summary

<b>Client</b>	Superior Essex	<b>Report No</b>	100286491CRT-009f
<b>Specification</b>	TIA-568-C2 - Cat 6eX Channel NextLAN 350MHz		
<b>Part No</b>	54-246-3A-CMR	<b>Length(m)</b>	100.
<b>Test Started</b>	3/25/2011 7:47:24 AM	<b>Temperature</b>	20 °C
<b>Description</b>	4 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies



Attenuation			
Freq	Worst Case	Average	Spec
1.	1.8	1.7	1.9
4.	3.6	3.4	3.7
8.	5.1	4.9	5.3
10.	5.7	5.5	6.0
16.	7.3	7.0	7.6
20.	8.2	7.8	8.6
25.	9.2	8.8	9.7
31.25	10.3	9.9	10.9
62.5	14.8	14.2	15.8
100.	19.0	18.2	20.3
250.	31.2	29.9	33.9
350.	37.7	35.9	41.3
650.	55.1	51.6	

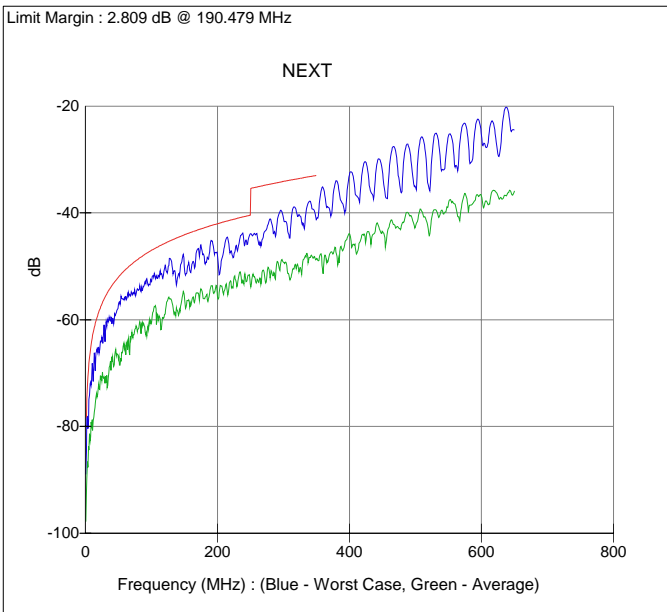


Return Loss			
Freq	Worst Case	Average	Spec
1.	22.1	24.3	23.0
4.	27.8	38.2	23.0
8.	33.3	40.3	23.0
10.	34.0	43.1	23.0
16.	33.5	43.1	23.0
20.	31.0	33.6	23.0
25.	30.1	38.6	22.0
31.25	32.7	41.1	21.1
62.5	30.7	37.0	18.1
100.	28.1	41.3	16.0
250.	21.0	29.1	10.8
350.	21.0	26.2	6.6
650.	10.4	20.1	

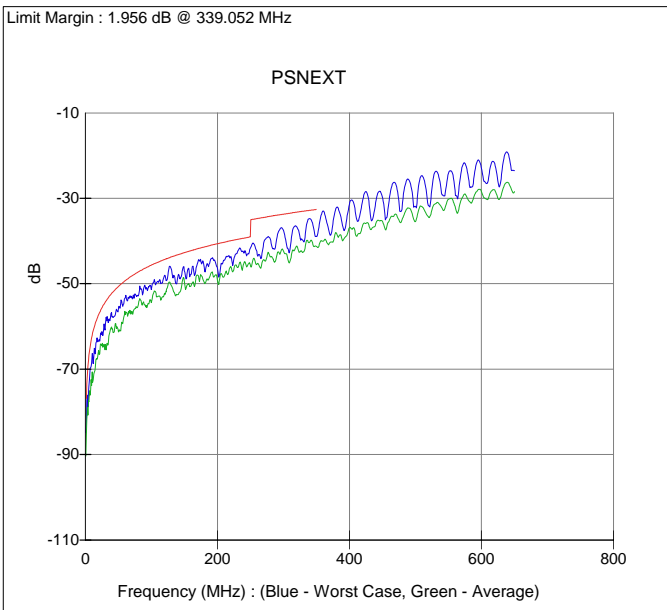


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NEXT			
Freq	Worst Case	Average	Spec
1.	86.9	94.4	79.6
4.	80.2	86.4	70.3
8.	71.8	81.3	65.2
10.	69.1	79.1	63.6
16.	66.3	74.5	60.2
20.	65.2	72.1	58.6
25.	63.4	71.2	57.0
31.25	60.6	71.7	55.4
62.5	56.1	64.5	50.4
100.	52.9	60.6	47.0
250.	43.9	53.6	38.9
350.	41.2	48.6	33.0
650.	24.4	35.9	

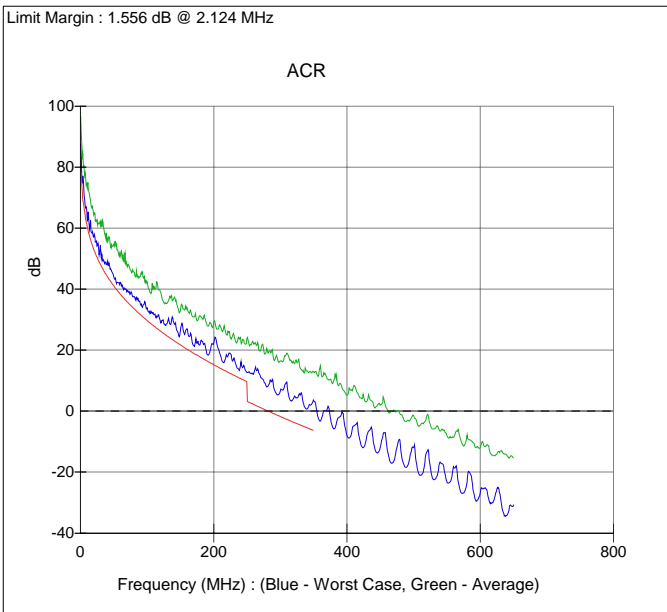


PSNEXT			
Freq	Worst Case	Average	Spec
1.	83.1	86.8	78.2
4.	77.7	79.7	68.9
8.	70.1	74.3	63.8
10.	67.0	71.6	62.2
16.	63.8	67.8	58.8
20.	63.4	65.7	57.2
25.	61.3	64.4	55.6
31.25	58.0	65.3	54.0
62.5	53.7	56.8	49.0
100.	51.4	54.3	45.6
250.	41.6	45.7	37.8
350.	38.9	41.3	32.6
650.	23.5	28.4	

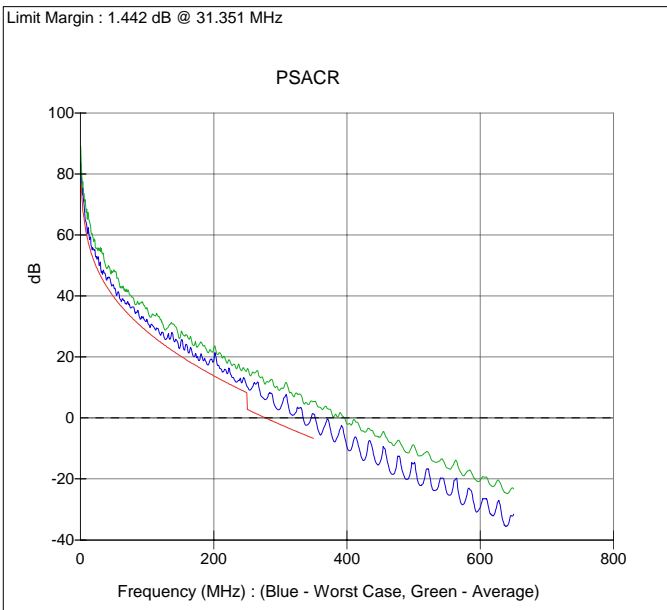


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ACR			
Freq	Worst Case	Average	Spec
1.	85.2	92.6	79.7
4.	76.8	83.0	68.9
8.	66.7	76.4	62.9
10.	63.4	73.6	60.7
16.	59.0	67.5	55.6
20.	57.1	64.3	53.0
25.	54.2	62.4	50.4
31.25	50.3	61.8	47.5
62.5	41.3	50.3	37.7
100.	33.9	42.4	29.7
250.	12.7	23.8	7.6
350.	3.6	12.8	-6.3
650.	-30.7	-15.4	

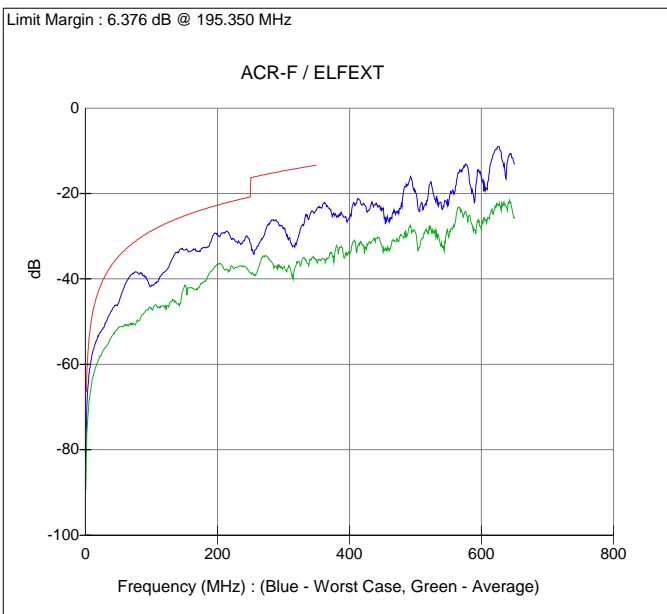


PSACR			
Freq	Worst Case	Average	Spec
1.	81.4	85.1	78.3
4.	74.1	76.3	67.5
8.	65.2	69.4	61.5
10.	61.3	66.1	59.3
16.	56.6	60.8	54.2
20.	55.2	57.9	51.6
25.	52.1	55.6	49.0
31.25	47.7	55.4	46.1
62.5	38.9	42.5	36.3
100.	32.4	36.0	28.3
250.	10.4	15.8	6.5
350.	1.3	5.4	-6.7
650.	-31.6	-23.2	

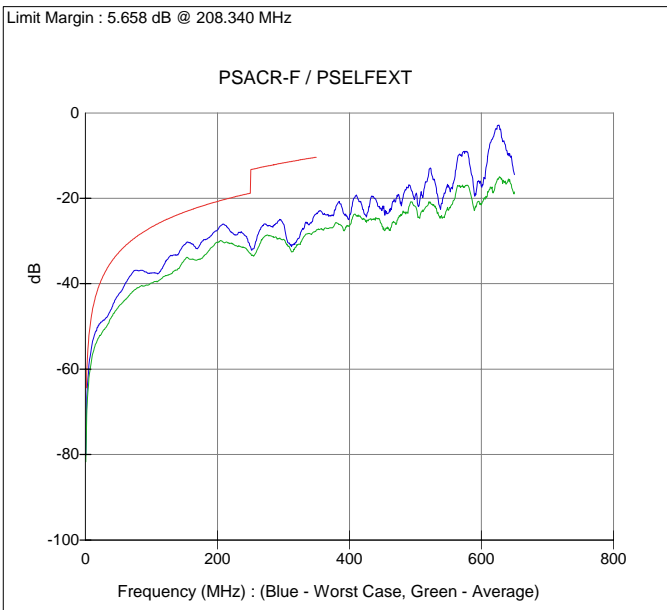


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ACR-F / ELFEXT			
Freq	Worst Case	Average	Spec
1.	77.5	84.3	68.0
4.	64.9	71.6	56.7
8.	59.5	65.9	50.7
10.	57.7	63.8	48.8
16.	54.6	60.5	44.7
20.	53.4	58.9	42.7
25.	51.9	57.3	40.8
31.25	50.0	55.9	38.9
62.5	40.6	50.9	32.8
100.	41.5	46.9	28.8
250.	31.7	38.6	19.4
350.	23.8	35.6	13.4
650.	13.2	25.5	

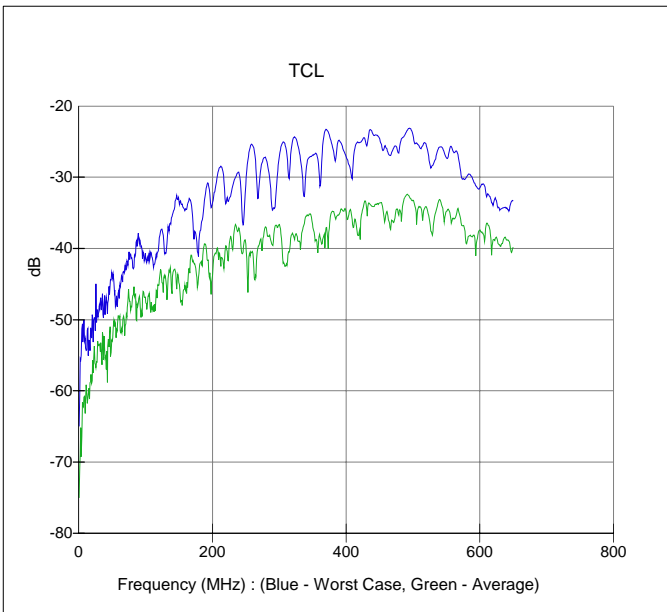


PSACR-F / PSELFEXT			
Freq	Worst Case	Average	Spec
1.	74.6	77.1	66.0
4.	61.8	64.7	54.7
8.	56.1	59.1	48.7
10.	54.2	57.1	46.8
16.	51.0	54.0	42.7
20.	49.8	52.7	40.7
25.	48.9	51.5	38.8
31.25	48.0	50.2	36.9
62.5	39.5	43.5	30.8
100.	37.5	39.8	26.8
250.	31.3	33.0	17.1
350.	23.5	27.4	10.4
650.	14.4	18.5	

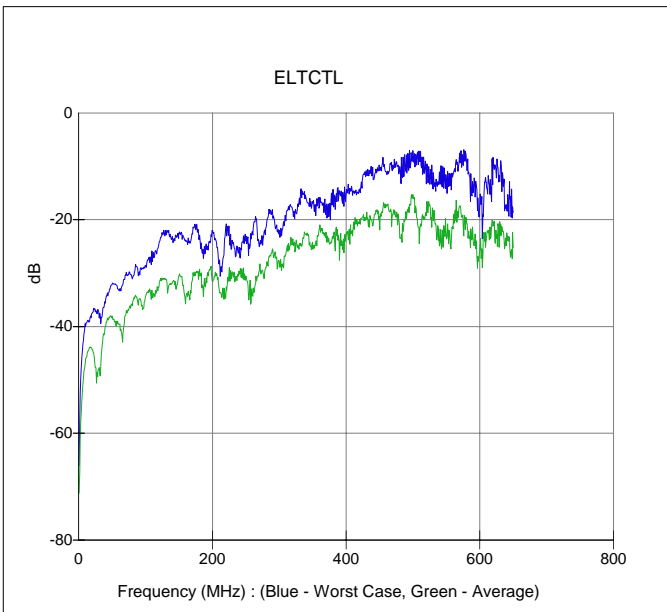


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TCL			
Freq	Worst Case	Average	Spec
1.	64.4	72.5	
4.	53.8	68.4	
8.	50.7	60.9	
10.	54.6	62.0	
16.	53.8	60.9	
20.	49.3	58.5	
25.	50.4	56.3	
31.25	48.4	53.5	
62.5	45.1	51.7	
100.	41.2	47.3	
250.	30.7	39.6	
350.	26.9	36.8	
650.	33.4	39.8	



ELTCTL			
Freq	Worst Case	Average	Spec
1.	60.7	68.8	
4.	47.2	55.6	
8.	41.3	48.3	
10.	39.9	46.5	
16.	39.0	43.9	
20.	37.4	44.3	
25.	37.3	47.7	
31.25	37.6	48.9	
62.5	33.1	40.7	
100.	28.6	34.4	
250.	23.7	30.6	
350.	16.7	24.9	
650.	18.7	25.3	