

Project Number: G100286491
Certificate of Conformance #: 3117361CRT-012

Date Issued: 3/24/2011

Test Report Number: G100286491CRT-009e

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 2/28/2022 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-XB-CMP	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 3/24/2011 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'.

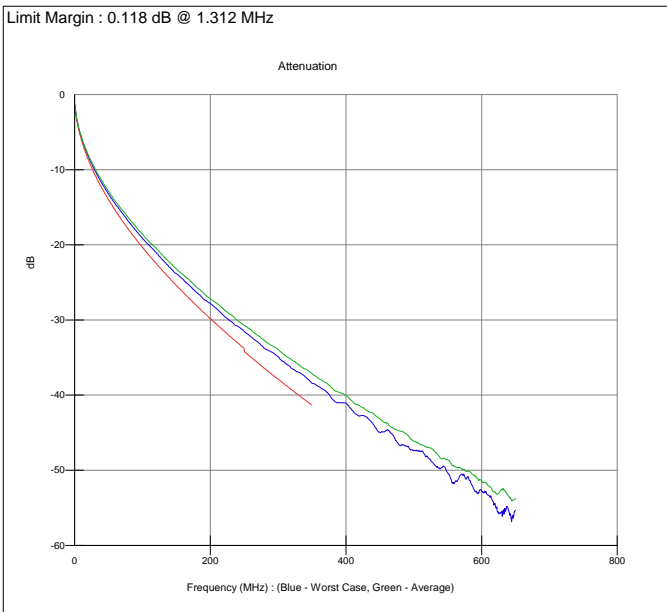
John Cash
Technician
Global Cabling Products Testing
Phone: (607) 758-6677
Email: john.cash@intertek.com

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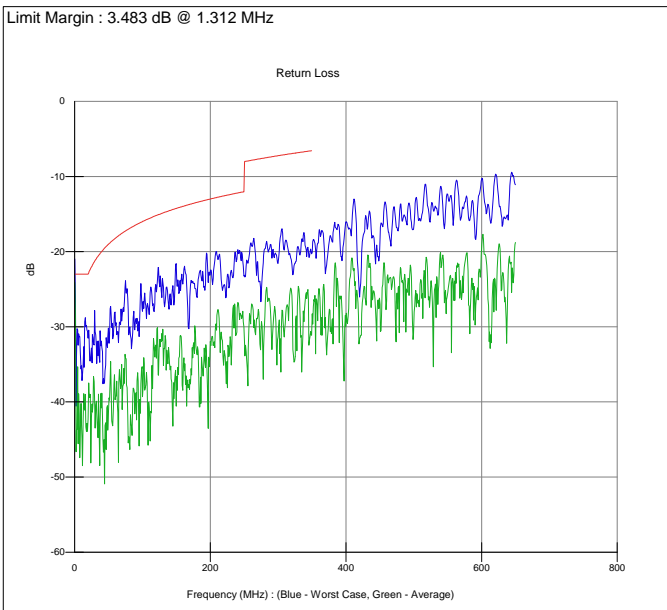


Summary

Client	Superior Essex	Report No	100286491CRT-009e
Specification	TIA-568-C2 - Cat 6eX Channel NextLAN 350MHz	Length(m)	100.
Part No	54-246-2B-CMP	Temperature	20 °C
Test Started	3/24/2011 2:45:14 PM	Appendix	A
Description	4 Connector Channel	Test Status	Complies
Operator Name	John Cash		



Attenuation			
Freq	Worst Case	Average	Spec
1.	1.8	1.7	1.9
4.	3.6	3.5	3.7
8.	5.1	5.0	5.3
10.	5.7	5.6	6.0
16.	7.3	7.1	7.6
20.	8.2	8.0	8.6
25.	9.2	8.9	9.7
31.25	10.3	10.0	10.9
62.5	14.8	14.5	15.8
100.	19.1	18.6	20.3
250.	31.5	30.7	33.9
350.	38.4	37.2	41.3
650.	55.3	53.7	

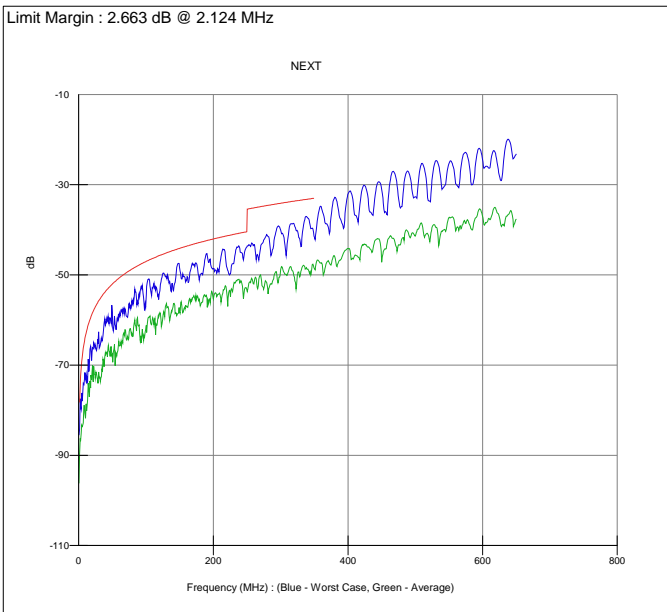


Return Loss			
Freq	Worst Case	Average	Spec
1.	24.4	27.0	23.0
4.	31.0	41.0	23.0
8.	32.0	46.5	23.0
10.	35.3	41.8	23.0
16.	28.9	39.4	23.0
20.	31.5	42.2	23.0
25.	33.6	41.7	22.0
31.25	31.3	40.8	21.1
62.5	31.1	38.2	18.1
100.	27.8	37.5	16.0
250.	23.2	30.7	10.8
350.	20.3	29.7	6.6
650.	11.1	18.8	

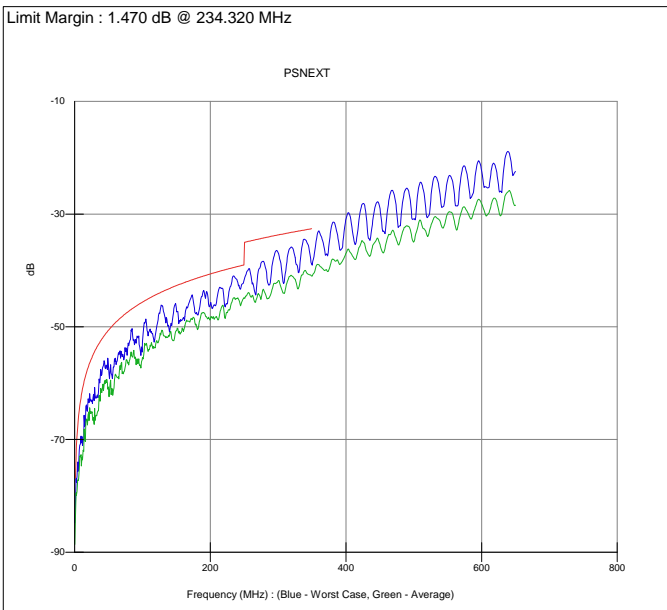


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NEXT			
Freq	Worst Case	Average	Spec
1.	87.3	92.1	79.6
4.	80.0	84.6	70.3
8.	74.0	79.0	65.2
10.	74.6	81.4	63.6
16.	69.7	76.8	60.2
20.	67.1	71.4	58.6
25.	66.3	72.7	57.0
31.25	66.1	72.7	55.4
62.5	58.3	65.3	50.4
100.	55.7	61.6	47.0
250.	43.7	53.4	38.9
350.	41.6	48.6	33.0
650.	23.2	37.6	

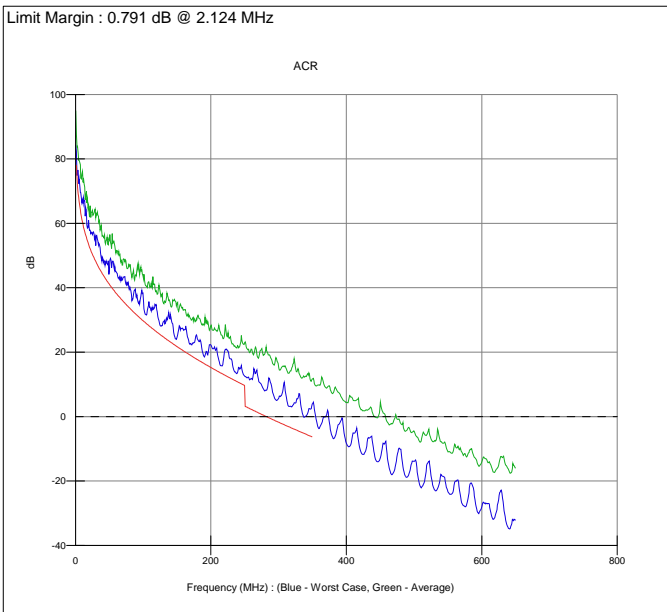


PSNEXT			
Freq	Worst Case	Average	Spec
1.	83.4	85.7	78.2
4.	76.8	78.6	68.9
8.	71.2	73.0	63.8
10.	71.1	74.1	62.2
16.	67.2	70.0	58.8
20.	62.8	65.6	57.2
25.	63.3	65.3	55.6
31.25	62.6	65.9	54.0
62.5	56.3	58.9	49.0
100.	53.7	55.6	45.6
250.	41.7	44.9	37.8
350.	39.0	41.0	32.6
650.	22.4	28.4	

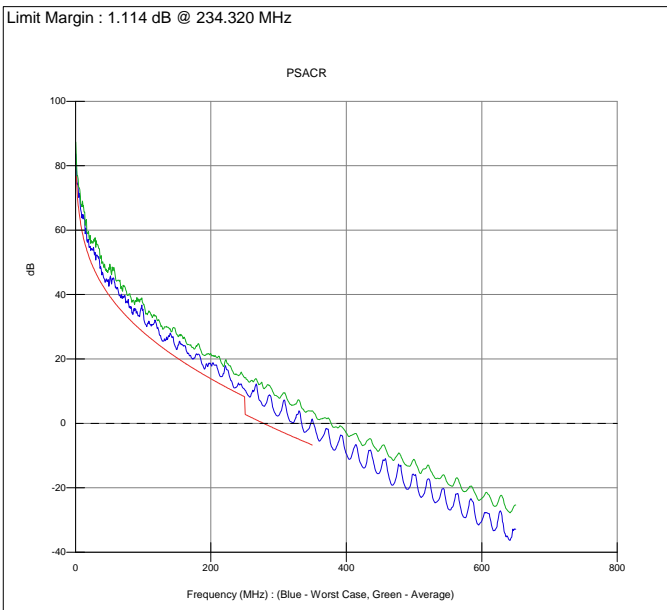


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ACR			
Freq	Worst Case	Average	Spec
1.	85.6	90.4	79.7
4.	76.4	81.1	68.9
8.	69.2	74.0	62.9
10.	68.9	75.9	60.7
16.	62.8	69.7	55.6
20.	58.9	63.5	53.0
25.	57.1	63.8	50.4
31.25	56.4	62.7	47.5
62.5	43.5	51.0	37.7
100.	36.7	43.2	29.7
250.	12.5	22.9	7.6
350.	4.0	11.7	-6.3
650.	-32.1	-16.0	

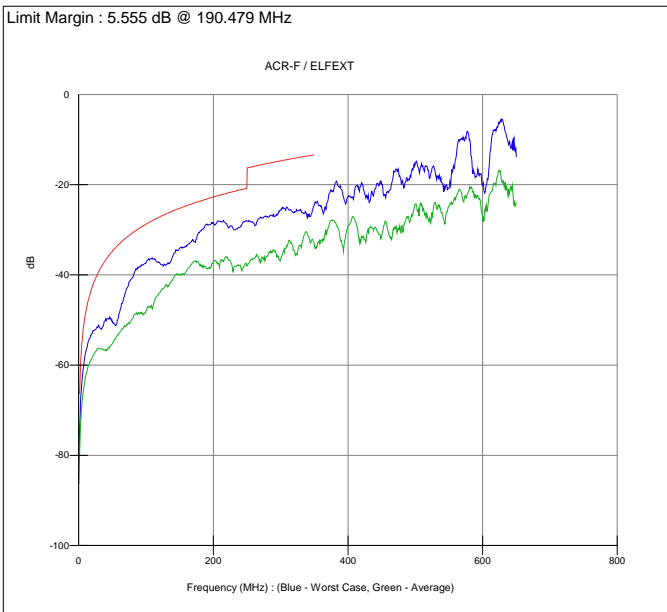


PSACR			
Freq	Worst Case	Average	Spec
1.	81.7	84.0	78.3
4.	73.2	75.1	67.5
8.	66.1	68.0	61.5
10.	65.4	68.5	59.3
16.	59.9	62.9	54.2
20.	54.6	57.6	51.6
25.	54.2	56.4	49.0
31.25	52.3	55.9	46.1
62.5	41.8	44.5	36.3
100.	34.8	37.1	28.3
250.	10.5	14.2	6.5
350.	1.3	3.8	-6.7
650.	-32.9	-25.3	



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ACR-F / ELFEXT			
Freq	Worst Case	Average	Spec
1.	77.3	82.3	68.0
4.	65.5	70.5	56.7
8.	59.4	64.7	50.7
10.	57.5	62.8	48.8
16.	54.1	59.6	44.7
20.	53.1	58.3	42.7
25.	52.1	57.1	40.8
31.25	51.7	56.4	38.9
62.5	47.3	52.5	32.8
100.	37.3	48.0	28.8
250.	28.1	38.0	19.4
350.	24.5	33.3	13.4
650.	13.9	23.9	

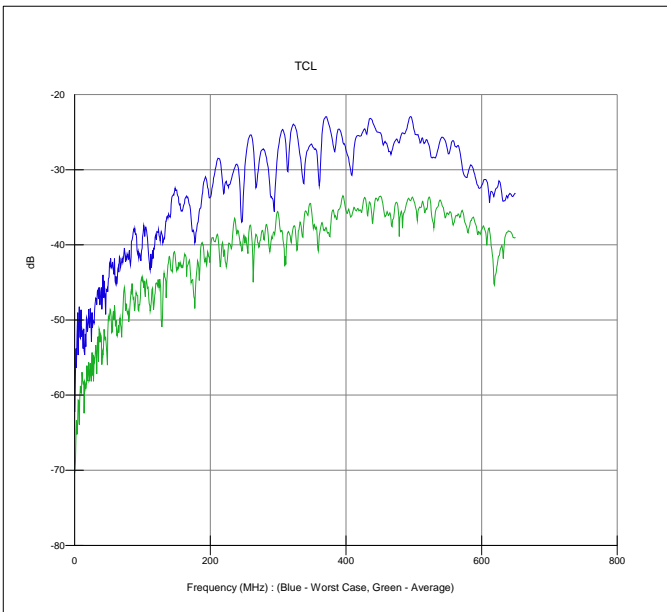


PSACR-F / PSELFEXT			
Freq	Worst Case	Average	Spec
1.	74.7	76.2	66.0
4.	62.7	64.4	54.7
8.	56.9	58.7	48.7
10.	55.0	56.8	46.8
16.	51.4	53.6	42.7
20.	49.8	52.4	40.7
25.	48.5	51.4	38.8
31.25	47.8	50.6	36.9
62.5	45.7	47.2	30.8
100.	37.1	41.2	26.8
250.	27.4	31.0	17.1
350.	23.1	26.0	10.4
650.	11.4	18.1	

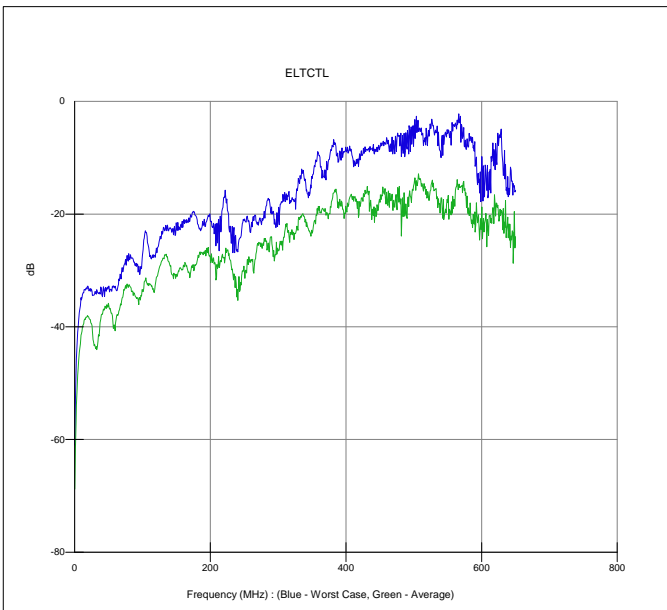


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TCL			
Freq	Worst Case	Average	Spec
1.	61.3	69.4	
4.	51.1	64.7	
8.	52.3	60.1	
10.	53.7	59.7	
16.	52.4	58.6	
20.	50.7	58.1	
25.	52.4	57.5	
31.25	47.5	53.5	
62.5	45.1	52.1	
100.	39.6	44.5	
250.	31.7	38.9	
350.	26.7	35.9	
650.	33.2	39.0	



ELTCTL			
Freq	Worst Case	Average	Spec
1.	56.0	64.3	
4.	42.6	50.5	
8.	36.8	43.7	
10.	35.1	41.4	
16.	33.5	38.7	
20.	32.8	38.2	
25.	33.4	39.5	
31.25	34.1	43.8	
62.5	33.6	37.9	
100.	27.6	33.5	
250.	21.1	29.6	
350.	13.5	23.1	
650.	15.8	24.0	