



Project Number: 3124129

Date Issued: 12/18/2009

Certificate of Conformance #: 3117361CRT-009

Test Report Number: 3124129CRT-023d

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 12/2/2009 in good condition for Quarter 4 2009 Follow-up Testing.

4 Connector Channel: NextLAN™ Cat-6+

Manufacturer	Part Number	Description
Leviton	62460-XXL	Equipment Cord (XX denotes length)
Leviton	61110-RA6	Wall Outlet
Superior Essex	66-246-XA-CMR	DataGain 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 12/17/2009 to the ANSI/TIA-568-B.2-1 Category 6 and the NextLAN Specification Rev. 5 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,

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

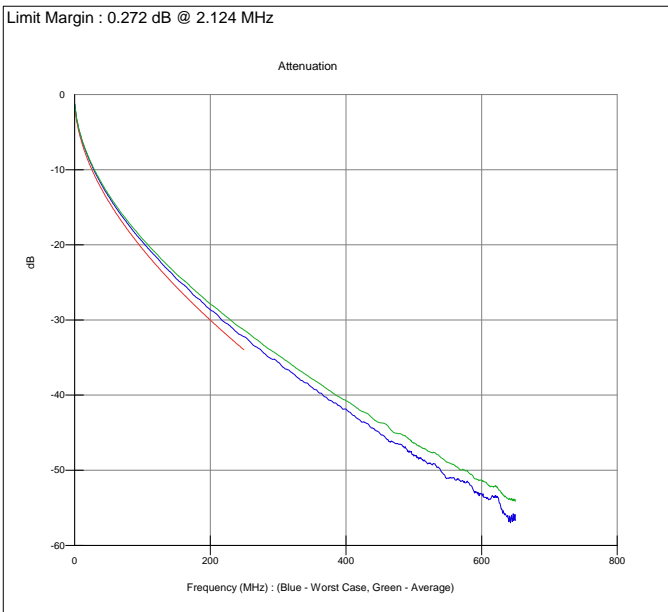
John Cash
Technician
Global Cabling Products Testing
Phone: (607) 758-6677
Email: john.cash@intertek.com

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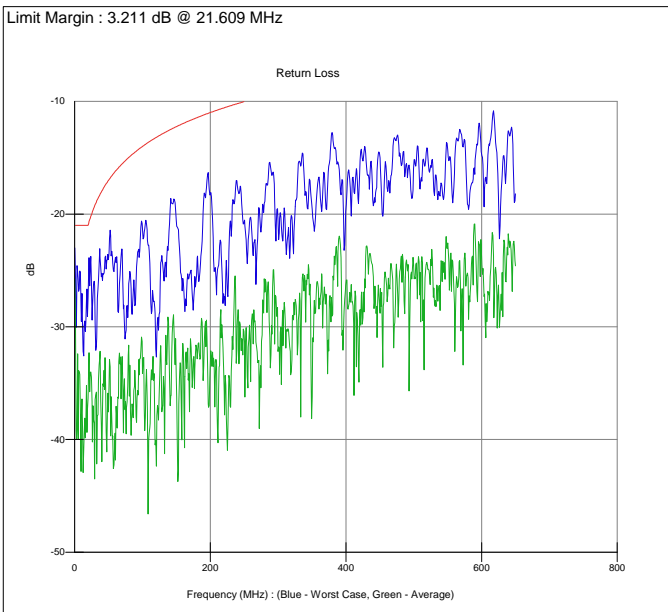


Summary

Client	Superior Essex	Report No	3124129CRT-023d
Specification	Cat 6 Channel NextLAN S650 Limits 250MHz	Length(m)	100.
Part No	66-246-2A-CMR	Temperature	20 °C
Test Started	12/17/2009 3:04:42 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	2.1
4.	3.6	3.6	3.9
8.	5.2	5.1	5.5
10.	5.8	5.7	6.2
16.	7.4	7.3	7.8
20.	8.3	8.2	8.8
25.	9.3	9.2	9.9
31.25	10.5	10.3	11.1
62.5	15.2	14.9	16.0
100.	19.6	19.2	20.5
250.	32.2	31.3	34.0
350.	39.0	37.8	
650.	56.7	54.2	

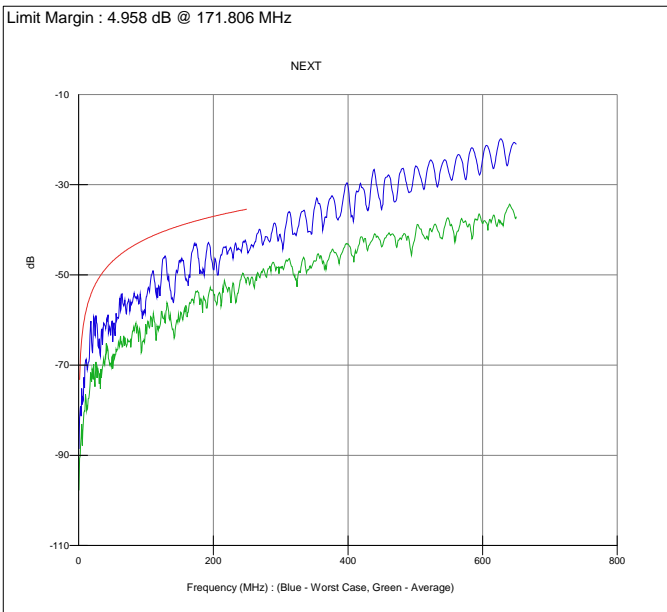


Return Loss			
Freq	Worst Case	Average	Spec
1.	24.5	27.6	21.0
4.	25.5	36.7	21.0
8.	25.1	35.0	21.0
10.	29.3	39.5	21.0
16.	30.3	39.7	21.0
20.	27.4	36.3	21.0
25.	26.7	34.9	20.0
31.25	31.8	36.1	19.1
62.5	24.0	38.4	16.1
100.	21.1	32.9	14.0
250.	21.0	30.7	10.0
350.	19.3	37.2	
650.	18.2	24.6	

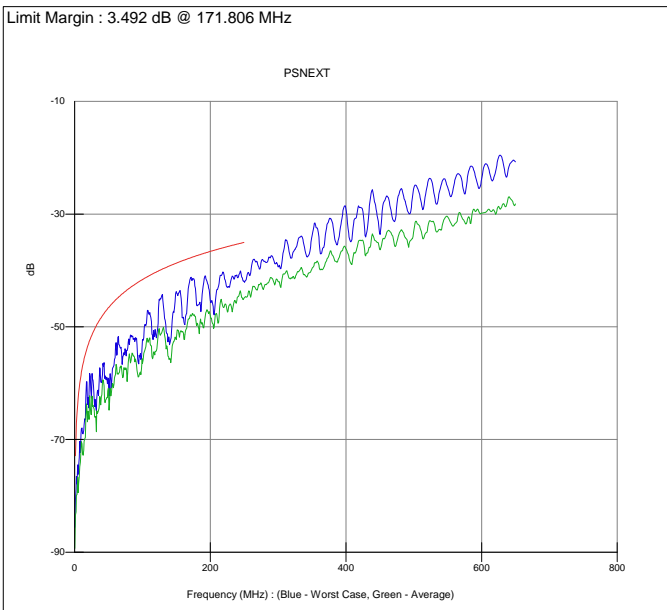


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Part No	66-246-2A-CMR	Length(m)	100.
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Description	4 Connector Channel	Appendix	A
Operator Name	John Cash	Test Status	Complies



NEXT			
Freq	Worst Case	Average	Spec
1.	87.9	93.4	74.6
4.	79.4	85.0	65.3
8.	74.1	80.5	60.2
10.	69.7	77.6	58.6
16.	68.0	76.3	55.2
20.	66.7	70.8	53.6
25.	62.7	72.3	52.0
31.25	67.6	72.2	50.4
62.5	58.4	64.2	45.4
100.	55.3	61.6	42.0
250.	43.7	50.9	35.4
350.	35.3	46.9	
650.	21.1	37.1	

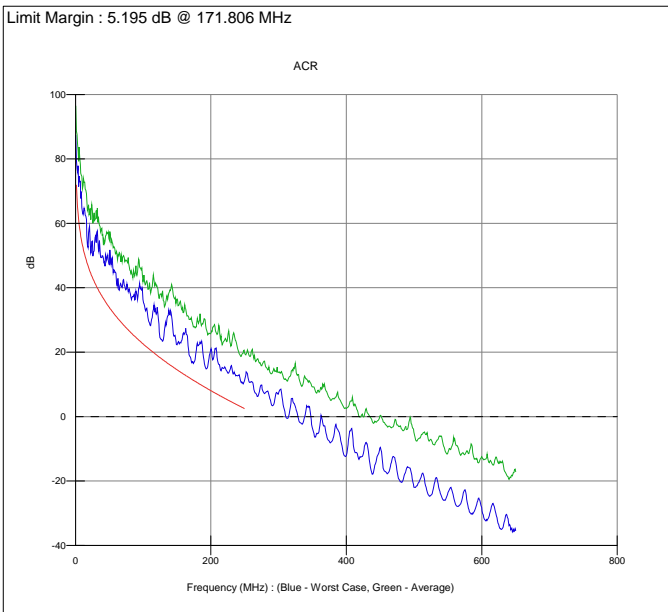


PSNEXT			
Freq	Worst Case	Average	Spec
1.	84.1	85.7	74.2
4.	77.3	78.8	64.9
8.	70.9	74.6	59.8
10.	68.9	70.8	58.2
16.	66.1	69.3	54.8
20.	62.6	65.0	53.2
25.	61.9	65.0	51.6
31.25	64.1	65.9	50.0
62.5	55.0	57.6	45.0
100.	52.8	56.1	41.6
250.	42.0	44.9	35.0
350.	34.0	39.7	
650.	20.7	28.2	

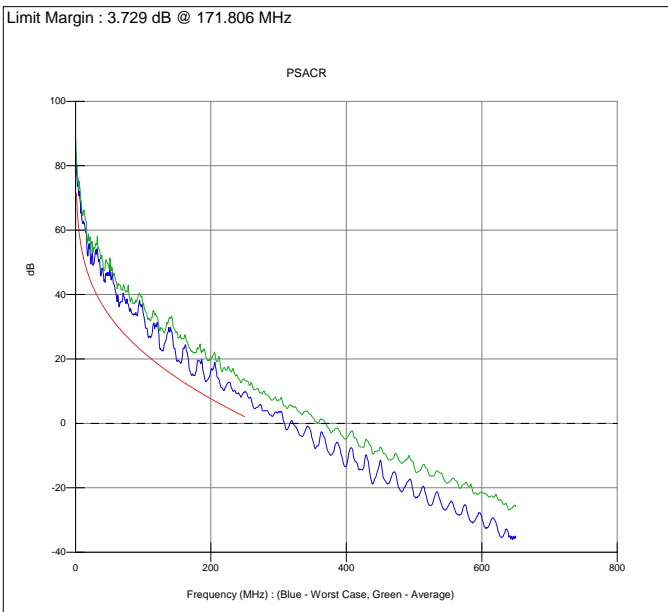


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ACR			
Freq	Worst Case	Average	Spec
1.	86.2	91.7	73.5
4.	75.9	81.4	62.3
8.	69.0	75.4	55.7
10.	64.1	71.9	53.5
16.	60.8	69.0	48.4
20.	58.4	62.7	45.8
25.	53.7	63.1	43.2
31.25	57.4	61.9	40.3
62.5	43.7	49.3	30.5
100.	35.7	42.5	22.5
250.	11.5	19.6	2.5
350.	-3.7	9.2	
650.	-35.5	-17.2	

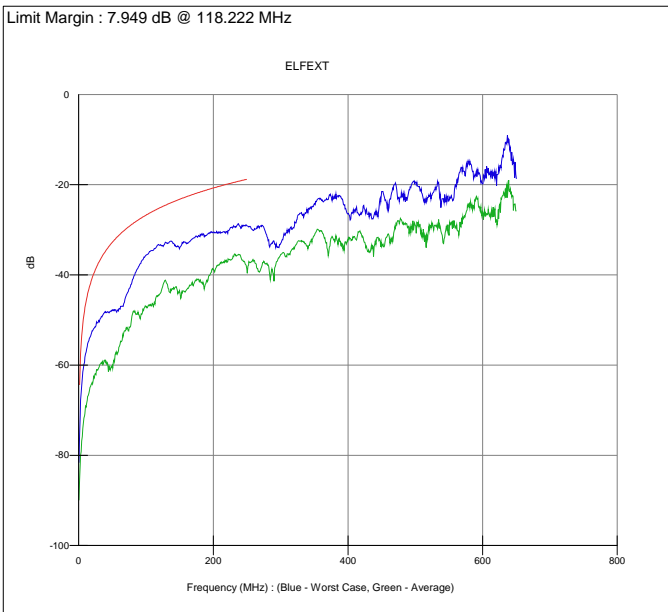


PSACR			
Freq	Worst Case	Average	Spec
1.	82.4	83.9	73.1
4.	73.7	75.2	61.9
8.	65.8	69.5	55.3
10.	63.2	65.0	53.1
16.	58.8	62.0	48.0
20.	54.3	56.8	45.4
25.	52.8	55.8	42.8
31.25	53.9	55.6	39.9
62.5	39.7	42.7	30.1
100.	34.0	37.0	22.1
250.	9.7	13.5	2.1
350.	-5.1	1.9	
650.	-35.7	-25.9	

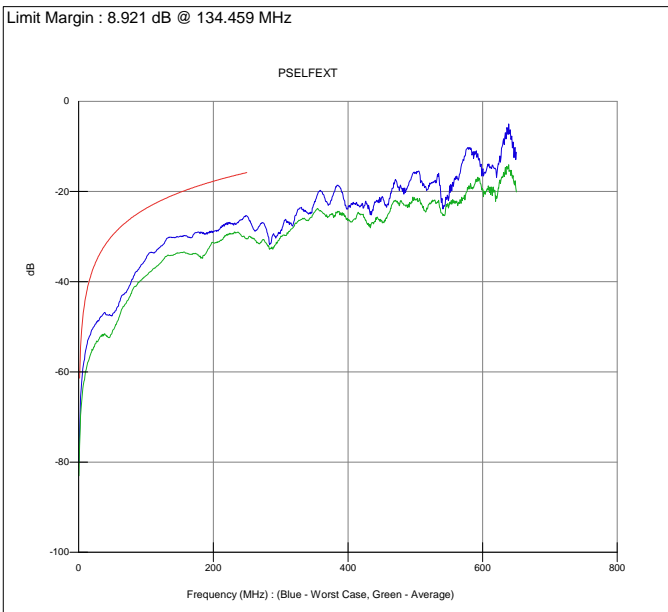


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ELFEXT			
Freq	Worst Case	Average	Spec
1.	77.8	87.2	66.0
4.	65.6	78.5	54.7
8.	59.8	71.6	48.7
10.	57.8	69.6	46.8
16.	54.1	65.7	42.7
20.	52.4	63.9	40.7
25.	51.5	61.9	38.8
31.25	50.0	60.0	36.9
62.5	47.0	54.8	30.8
100.	35.6	47.1	26.8
250.	29.1	39.0	18.8
350.	24.5	31.2	
650.	18.7	25.8	



PSELFEXT			
Freq	Worst Case	Average	Spec
1.	75.8	78.9	63.0
4.	63.3	67.5	51.7
8.	57.6	62.1	45.7
10.	55.6	60.2	43.8
16.	52.1	56.9	39.7
20.	50.6	55.0	37.7
25.	49.4	53.8	35.8
31.25	48.1	52.4	33.9
62.5	43.6	46.8	27.8
100.	34.9	38.7	23.8
250.	25.5	30.5	15.8
350.	22.5	24.7	
650.	11.3	20.1	