

Project Number: G100286491
Certificate of Conformance #: 3117361CRT-008

Date Issued: 3/24/2011

Test Report Number: G100286491CRT-009a

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-X8-CMP	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,

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

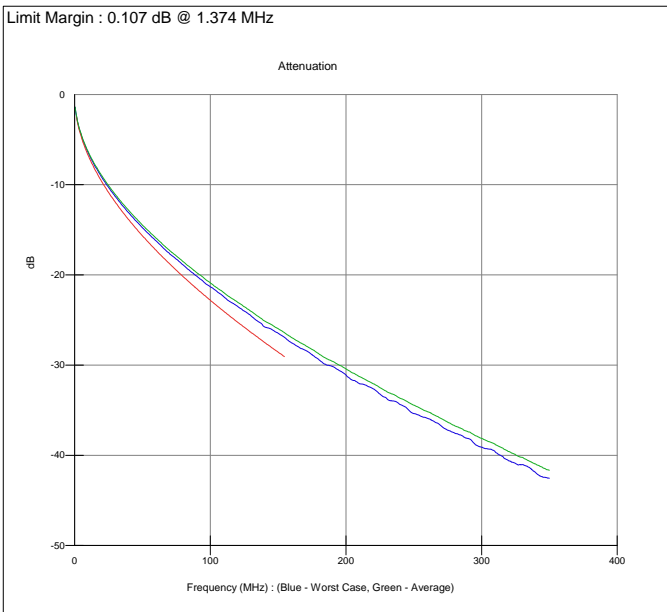
A handwritten signature in black ink that reads "John Cash".

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

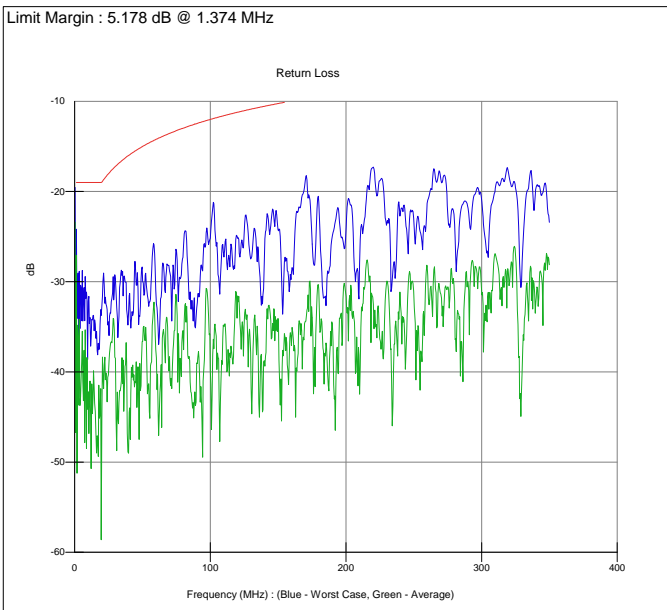


Summary

Client	Superior Essex	Report No	100286491CRT-009a
Specification	TIA-568-C2 - Cat 5e Channel NextLAN 155MHz	Length	100.
Part No	52-200-28-CMP	Temperature	20 °C
Test Started	3/24/2011 10:50:46 AM	Test Status	Complies
Description	4 Connector Channel		A
Technician	John Cash		



Attenuation			
Freq	Worst Case	Average	Spec
1.	2.0	2.0	2.1
4.	4.0	4.0	4.2
8.	5.7	5.6	6.0
10.	6.4	6.3	6.7
16.	8.2	8.0	8.6
20.	9.2	9.0	9.6
25.	10.3	10.1	10.8
31.25	11.5	11.3	12.2
62.5	16.6	16.2	17.6
100.	21.3	20.9	22.8
250.	35.4	34.4	
350.	42.6	41.7	

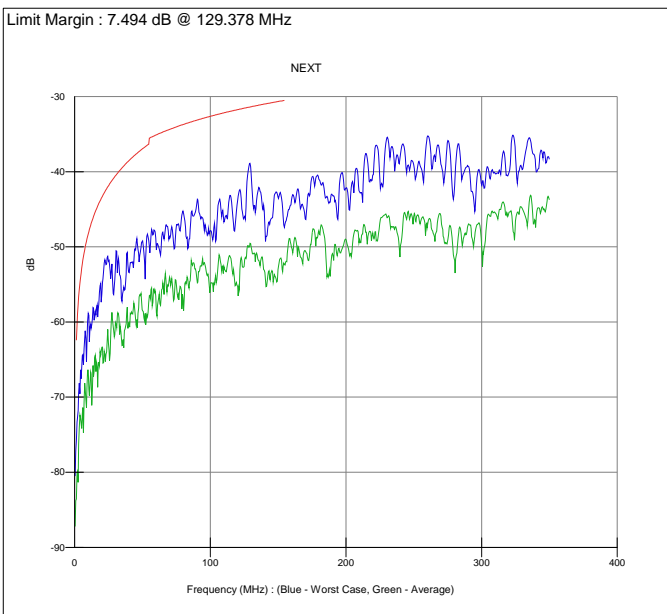


Return Loss			
Freq	Worst Case	Average	Spec
1.	38.7	43.9	19.0
4.	35.5	43.7	19.0
8.	29.8	36.5	19.0
10.	34.1	42.7	19.0
16.	36.7	47.9	19.0
20.	33.1	50.2	19.0
25.	34.6	40.2	18.0
31.25	33.3	46.2	17.1
62.5	36.2	44.8	14.1
100.	25.2	38.8	12.0
250.	23.1	31.3	
350.	23.4	28.1	

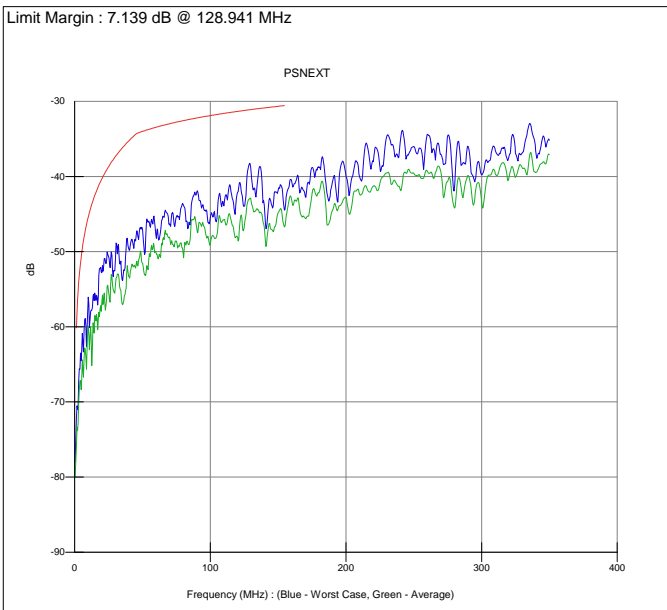


Summary

Client	Superior Essex	Report No	100286491CRT-009a
Specification	TIA-568-C2 - Cat 5e Channel NextLAN 155MHz		
Part No	52-200-28-CMP	Length	100.
Test Started	3/24/2011 10:50:46 AM	Temperature	20 °C
Description	4 Connector Channel		A
Technician	John Cash	Test Status	Complies



NEXT			
Freq	Worst Case	Average	Spec
1.	77.1	83.7	64.1
4.	69.5	72.4	54.9
8.	61.4	69.2	49.9
10.	59.1	66.4	48.4
16.	59.6	66.0	45.0
20.	56.7	63.6	43.5
25.	52.0	62.9	41.9
31.25	51.9	60.2	40.3
62.5	50.3	56.3	34.9
100.	47.9	55.6	32.6
250.	39.1	45.9	
350.	38.4	43.7	

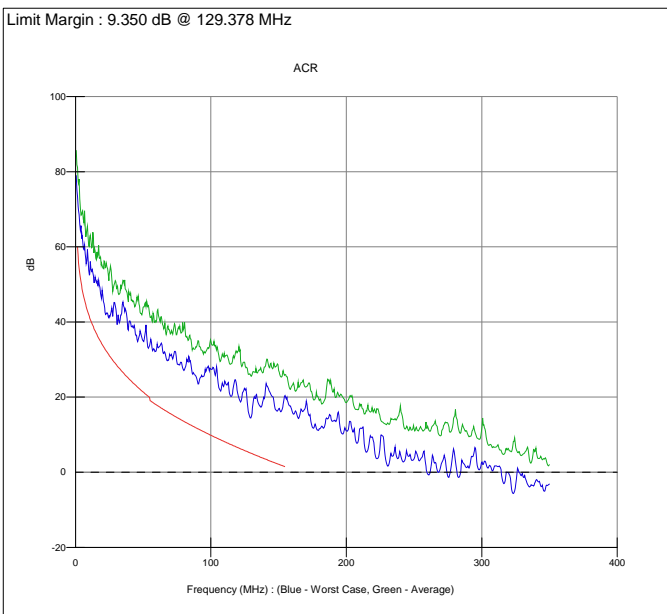


PSNEXT			
Freq	Worst Case	Average	Spec
1.	74.5	77.7	61.9
4.	65.6	67.2	52.3
8.	59.1	63.2	47.1
10.	56.7	60.2	45.5
16.	56.6	58.8	42.0
20.	52.8	57.2	40.4
25.	50.6	55.2	38.7
31.25	49.7	53.3	37.1
62.5	48.4	50.4	33.3
100.	45.6	49.1	31.9
250.	36.0	39.6	
350.	35.2	37.1	

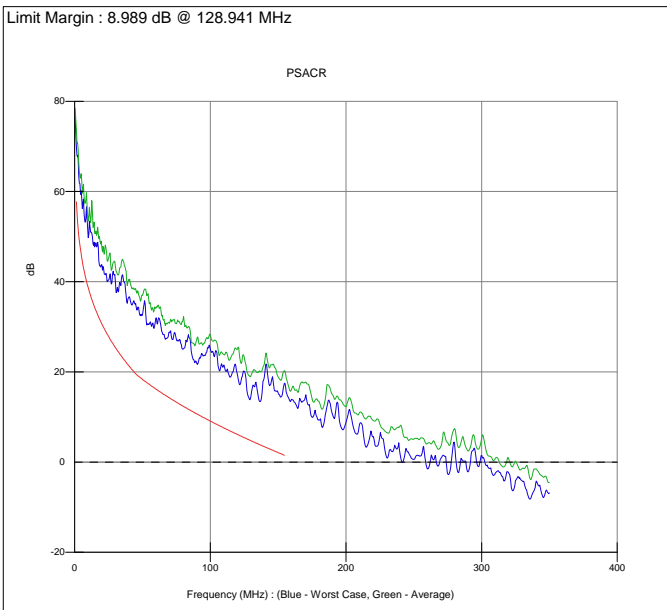


Summary

Client	Superior Essex	Report No	100286491CRT-009a
Specification	TIA-568-C2 - Cat 5e Channel NextLAN 155MHz		
Part No	52-200-28-CMP	Length	100.
Test Started	3/24/2011 10:50:46 AM	Temperature	20 °C
Description	4 Connector Channel		A
Technician	John Cash	Test Status	Complies



ACR			
Freq	Worst Case	Average	Spec
1.	75.1	81.7	62.0
4.	65.6	68.4	50.7
8.	55.6	63.5	44.0
10.	52.9	60.1	41.7
16.	51.5	58.0	36.5
20.	47.6	54.6	33.8
25.	41.7	52.8	31.1
31.25	40.6	48.8	28.1
62.5	33.7	40.1	17.3
100.	27.4	34.8	9.8
250.	3.7	11.4	
350.	-3.1	2.1	

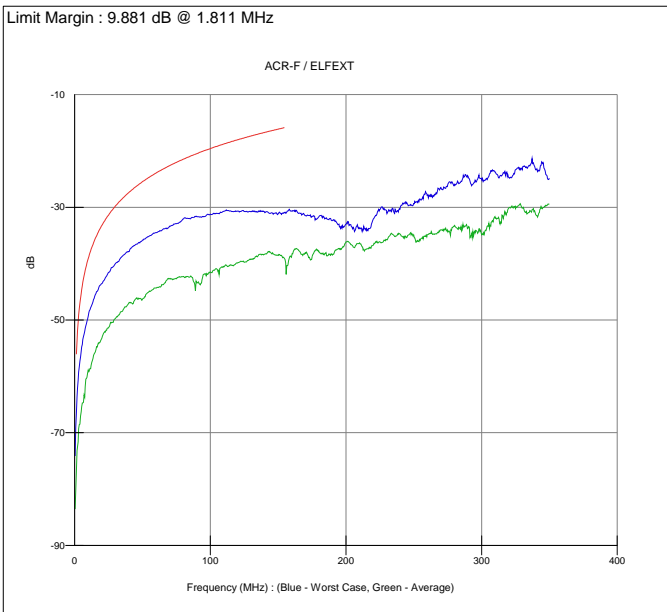


PSACR			
Freq	Worst Case	Average	Spec
1.	72.6	75.7	59.8
4.	61.7	63.1	48.1
8.	53.3	57.5	41.2
10.	50.4	53.8	38.8
16.	48.5	50.8	33.5
20.	43.7	48.2	30.8
25.	40.4	45.1	27.9
31.25	38.3	41.9	24.9
62.5	31.8	34.1	15.7
100.	25.2	28.2	9.1
250.	0.6	5.0	
350.	-6.9	-4.6	

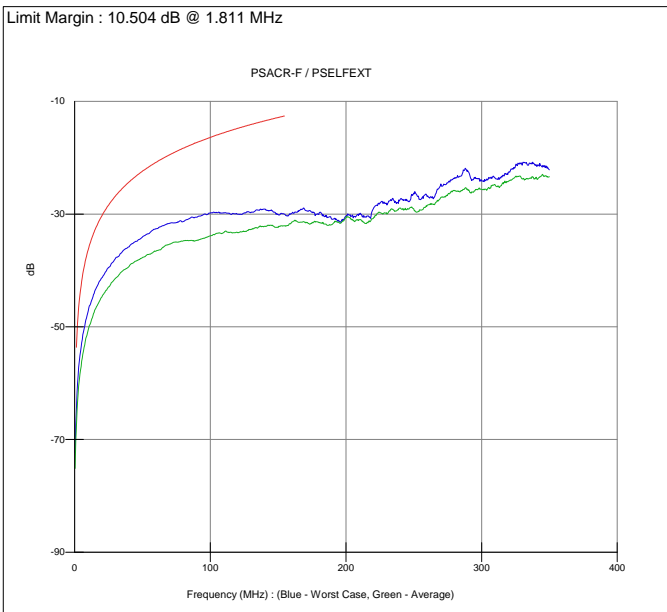


Summary

Client	Superior Essex	Report No	100286491CRT-009a
Specification	TIA-568-C2 - Cat 5e Channel NextLAN 155MHz	Length	100.
Part No	52-200-28-CMP	Temperature	20 °C
Test Started	3/24/2011 10:50:46 AM	Test Status	Complies
Description	4 Connector Channel		
Technician	John Cash		



ACR-F / ELFEXT			
Freq	Worst Case	Average	Spec
1.	68.7	79.8	58.1
4.	57.3	68.5	47.0
8.	51.4	61.6	41.1
10.	49.4	59.0	39.2
16.	45.2	55.0	35.2
20.	43.5	53.3	33.3
25.	41.6	51.4	31.4
31.25	39.8	49.4	29.5
62.5	34.3	44.1	23.6
100.	31.2	41.5	19.6
250.	29.4	35.0	
350.	24.9	29.4	

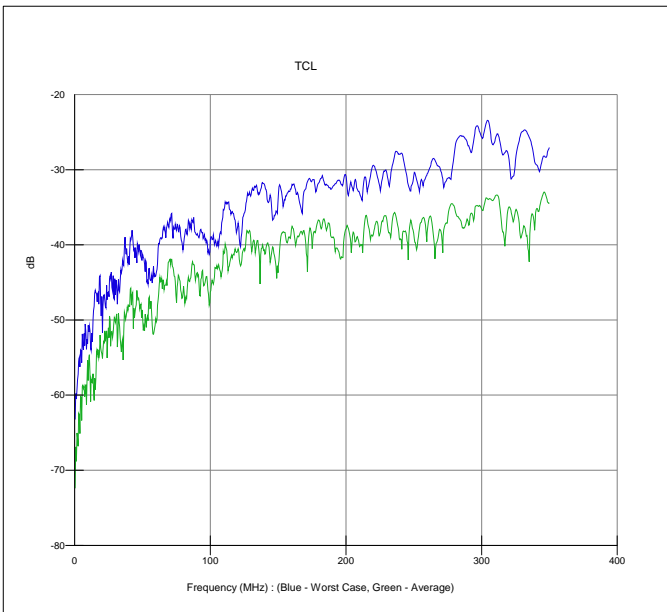


PSACR-F / PSELFEXT			
Freq	Worst Case	Average	Spec
1.	67.0	69.9	55.7
4.	55.1	58.4	44.4
8.	49.3	52.6	38.3
10.	47.3	50.7	36.4
16.	43.1	46.5	32.3
20.	41.4	44.8	30.4
25.	39.5	42.9	28.4
31.25	37.7	41.2	26.5
62.5	32.3	36.4	20.5
100.	29.8	33.9	16.4
250.	26.3	29.1	
350.	22.2	23.4	

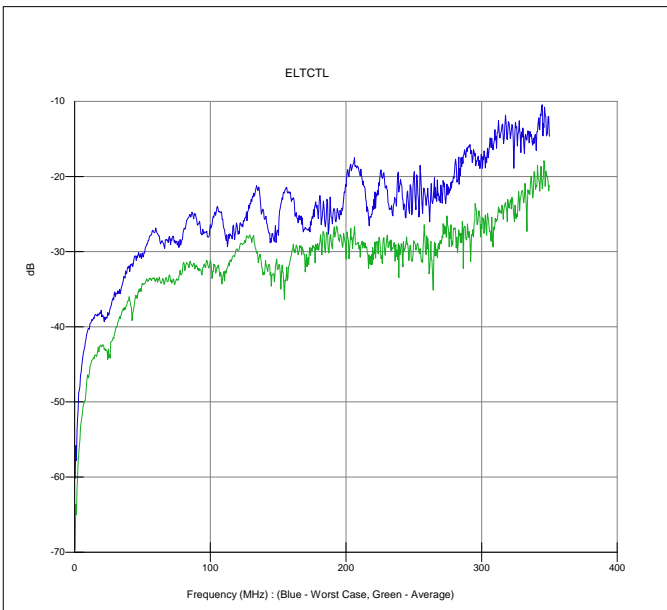


Summary

Client	Superior Essex	Report No	100286491CRT-009a
Specification	TIA-568-C2 - Cat 5e Channel NextLAN 155MHz		
Part No	52-200-28-CMP	Length	100.
Test Started	3/24/2011 10:50:46 AM	Temperature	20 °C
Description	4 Connector Channel		A
Technician	John Cash	Test Status	Complies



TCL			
Freq	Worst Case	Average	Spec
1.	59.9	67.2	
4.	56.2	65.1	
8.	50.8	59.5	
10.	51.7	57.4	
16.	46.4	56.0	
20.	47.8	54.4	
25.	46.3	51.1	
31.25	46.4	50.9	
62.5	40.1	45.4	
100.	39.8	46.6	
250.	30.9	38.5	
350.	27.0	34.4	



ELTCTL			
Freq	Worst Case	Average	Spec
1.	56.1	63.9	
4.	47.9	55.0	
8.	42.1	49.7	
10.	40.3	46.7	
16.	38.5	43.9	
20.	38.4	42.7	
25.	38.4	43.1	
31.25	35.5	40.0	
62.5	27.9	33.4	
100.	26.6	31.3	
250.	19.9	28.6	
350.	14.7	21.1	