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Project Number: G100283649  
Certificate of Conformance Number: 3091071CRT-002

Date Issued: 8/7/2014

**Test Report Number: G100283649CRT-029c**



Applicant:  
Berk-Tek LLC  
132 White Oak Rd.  
New Holland, PA 17557  
Applicant Contact: Mr. Darren Scott

Manufacturer:  
Berk-Tek LLC  
132 White Oak Rd.  
New Holland, PA 17557  
Mfg. Contact: Mr. Darren Scott

Dear Mr. Darren Scott;

Intertek is pleased to provide this letter report covering the testing of one (1) 4 Pair, 23 AWG, FTP, CMR, Non-Plenum Riser, Horizontal (solid) Cable, Part Number: LANmark-6. The sample was selected from your manufacturer facility, Berk-Tek LLC, by the Intertek Inspector Mr. Ronald Williams on 4/1/2014, for Quarter 2, 2014 Quarterly Follow-up Testing.

The testing was performed at Intertek located in Cortland, NY on 8/6/2014, to the TIA-568-C.2 Category 6 specifications and did comply with the applicable requirements of the 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.

Refer to Appendix A for test summary results

Sincerely,

Antoine Pelletier  
Engineer  
Global Cabling Products Testing  
Phone: (607) 758-6718

John Cash  
Technician  
Global Cabling Products Testing  
Phone: (607) 758-6677



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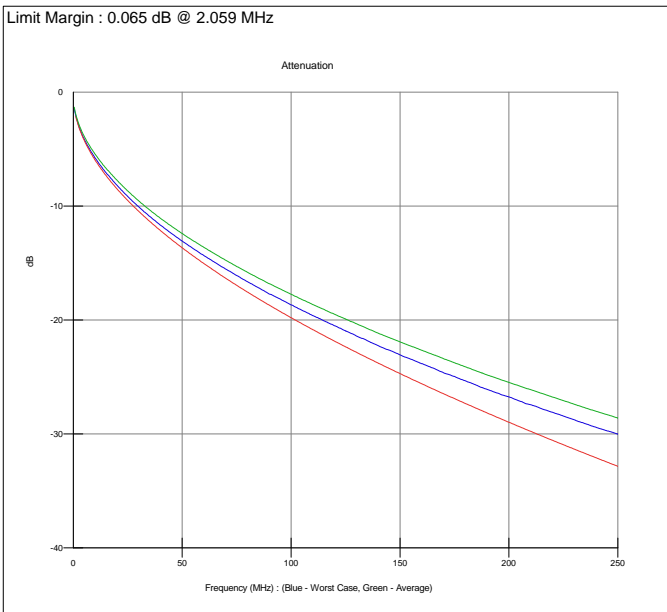
Appendix A

Test Results

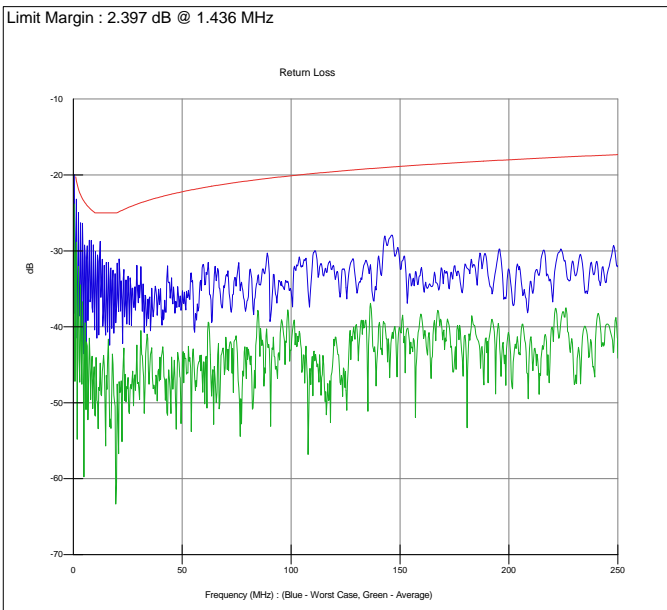


## Summary

<b>Client</b>	Berk-Tek LLC	<b>Report No</b>	100283649CRT-029c
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Cable	<b>Length</b>	100.
<b>Part No</b>	LANmark-6	<b>Temperature</b>	20 °C
<b>Test Started</b>	8/6/2014 10:57:30 AM		A
<b>Description</b>	4x23 FTP-CMR-Solid	<b>Test Status</b>	Complies
<b>Technician</b>	John Cash		



Attenuation			
Freq	Worst Case	Average	Spec
1.	1.9	1.8	2.0
4.	3.7	3.5	3.8
8.	5.2	4.9	5.3
10.	5.8	5.4	6.0
16.	7.3	6.9	7.6
20.	8.2	7.7	8.5
25.	9.2	8.7	9.5
31.25	10.3	9.7	10.7
62.5	14.6	13.9	15.4
100.	18.7	17.7	19.8
200.	26.8	25.5	29.0
250.	30.0	28.6	32.9

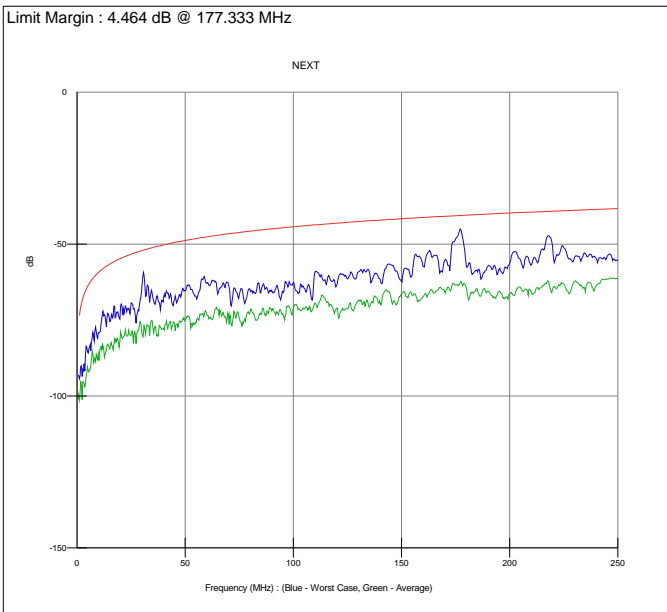


Return Loss			
Freq	Worst Case	Average	Spec
1.	32.6	37.0	20.0
4.	39.2	45.1	23.0
8.	35.9	49.4	24.5
10.	37.2	51.7	25.0
16.	34.3	42.4	25.0
20.	34.4	53.7	25.0
25.	35.3	47.3	24.3
31.25	34.3	42.4	23.6
62.5	35.1	40.5	21.5
100.	35.3	43.0	20.1
200.	32.5	41.1	18.0
250.	31.9	44.1	17.3

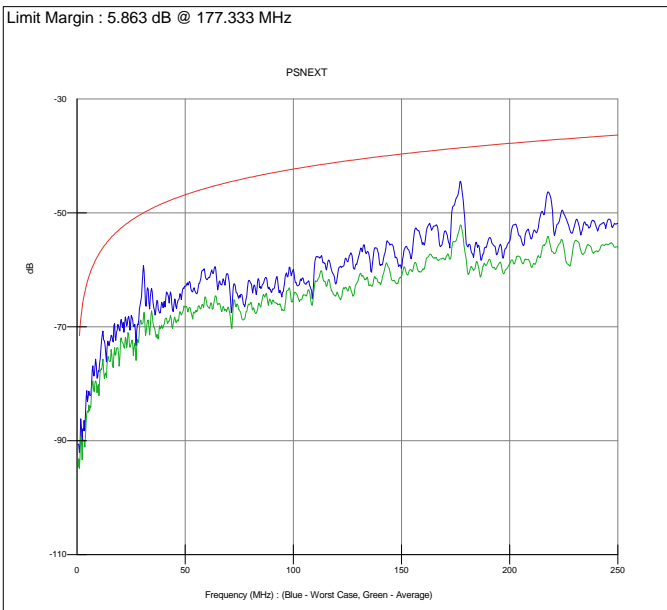


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<b>Technician</b>	John Cash		



NEXT			
Freq	Worst Case	Average	Spec
1.	94.0	100.7	74.2
4.	85.5	95.4	65.3
8.	81.9	88.3	60.8
10.	79.2	87.2	59.3
16.	73.9	83.2	56.2
20.	72.5	80.4	54.8
25.	69.8	80.0	53.3
31.25	62.2	77.6	51.9
62.5	61.9	74.8	47.4
100.	62.6	71.1	44.3
200.	56.4	66.5	39.8
250.	55.5	61.7	38.3

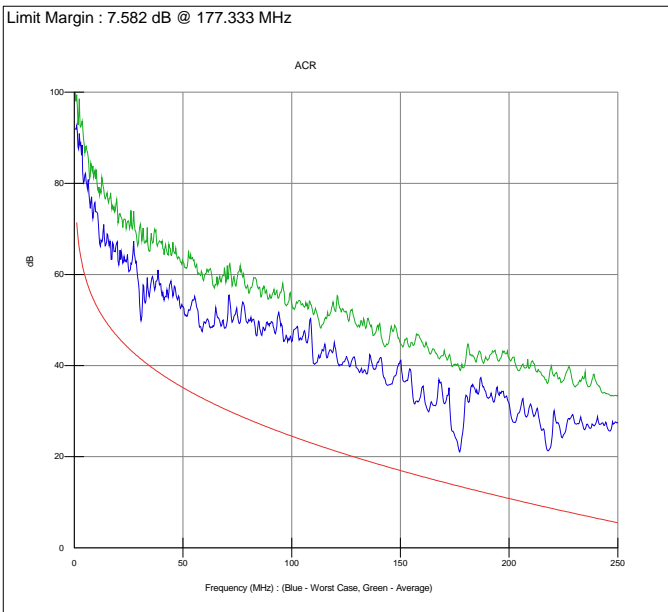


PSNEXT			
Freq	Worst Case	Average	Spec
1.	92.1	94.2	72.2
4.	84.5	88.6	63.3
8.	78.7	81.4	58.8
10.	77.8	81.0	57.3
16.	71.5	74.5	54.2
20.	69.9	73.6	52.8
25.	68.5	73.0	51.3
31.25	62.0	68.6	49.9
62.5	60.3	66.7	45.4
100.	59.9	64.8	42.3
200.	55.0	58.9	37.8
250.	51.9	56.2	36.3

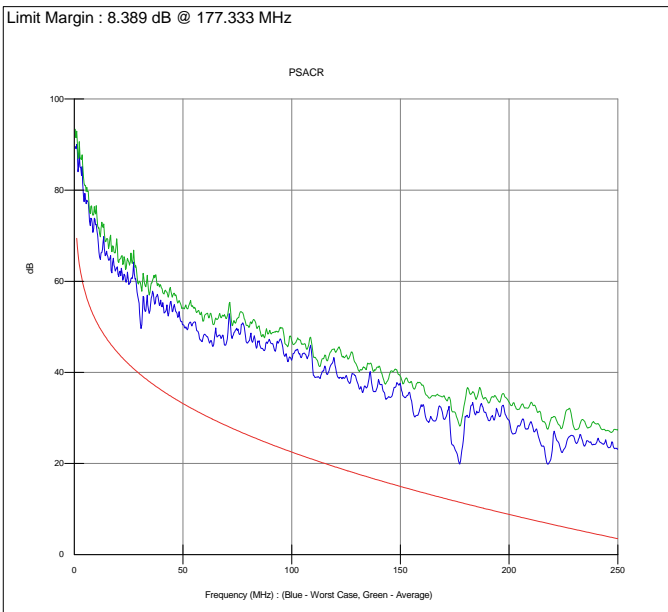


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<b>Technician</b>	John Cash		



ACR			
Freq	Worst Case	Average	Spec
1.	92.3	98.9	72.1
4.	82.1	92.0	61.5
8.	77.1	83.6	55.4
10.	73.8	81.9	53.4
16.	67.0	76.4	48.7
20.	64.9	72.9	46.3
25.	61.1	71.6	43.8
31.25	52.6	68.0	41.2
62.5	48.3	61.2	32.0
100.	45.2	53.7	24.5
200.	31.6	41.6	10.8
250.	27.6	33.7	5.5

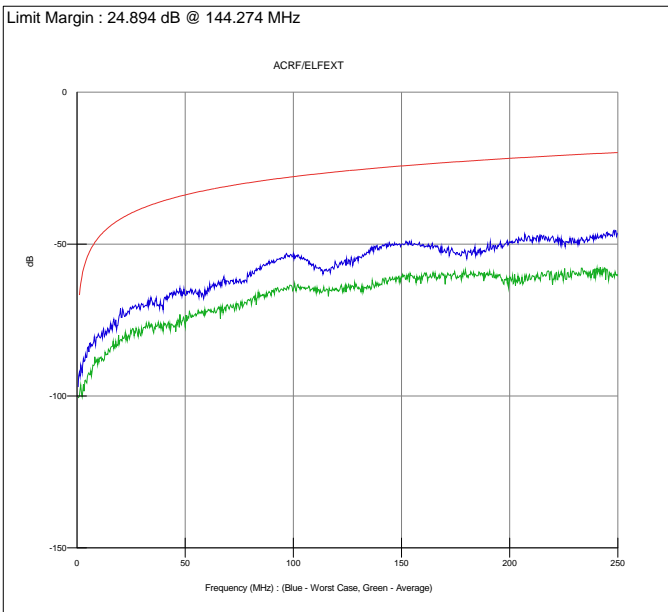


PSACR			
Freq	Worst Case	Average	Spec
1.	90.1	92.4	70.1
4.	81.0	85.1	59.5
8.	73.8	76.5	53.4
10.	72.4	75.6	51.4
16.	64.6	67.6	46.7
20.	62.3	65.9	44.3
25.	59.8	64.3	41.8
31.25	52.2	58.8	39.2
62.5	46.7	52.8	30.0
100.	42.7	47.0	22.5
200.	29.4	33.4	8.8
250.	23.2	27.6	3.5

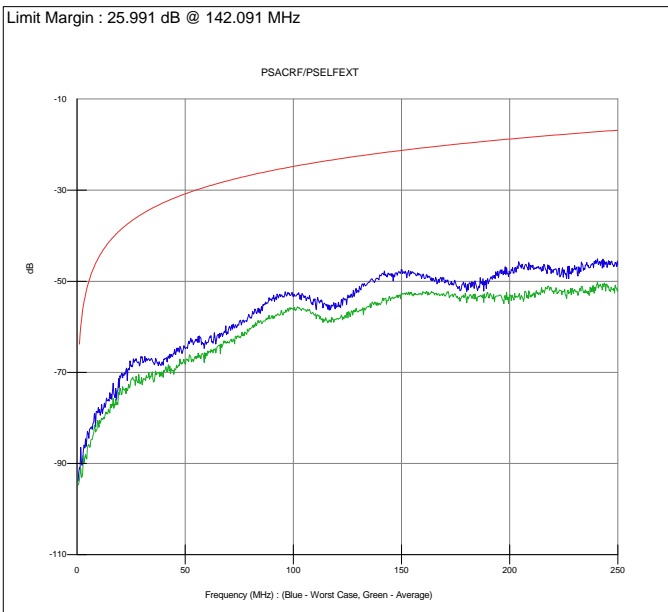


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ACRF/ELFEXT			
Freq	Worst Case	Average	Spec
1.	94.0	100.2	67.6
4.	86.7	94.9	55.8
8.	80.6	89.7	49.7
10.	80.3	88.4	47.8
16.	78.0	83.7	43.7
20.	72.1	81.6	41.8
25.	71.2	78.9	39.8
31.25	70.6	77.3	37.9
62.5	63.6	72.2	31.9
100.	53.2	64.9	27.8
200.	49.5	61.4	21.8
250.	46.3	60.6	19.8

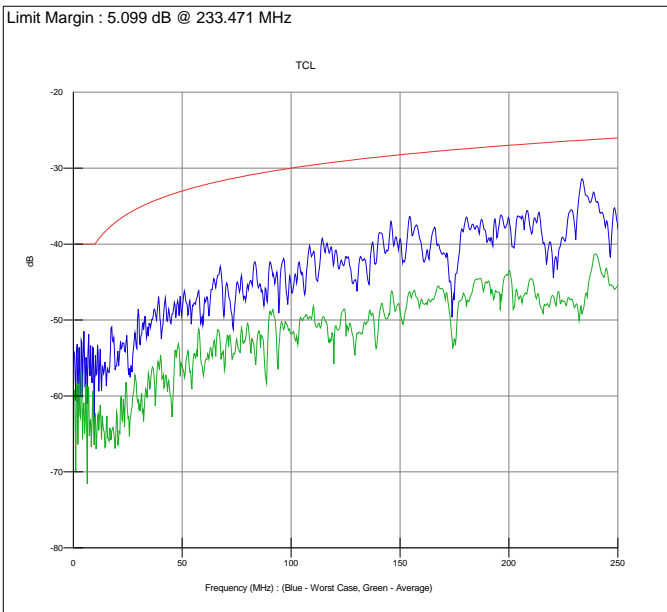


PSACRF/PSELFEXT			
Freq	Worst Case	Average	Spec
1.	91.4	93.9	64.6
4.	85.0	88.2	52.8
8.	79.2	81.8	46.7
10.	78.2	81.4	44.8
16.	75.6	77.2	40.7
20.	71.1	73.6	38.8
25.	68.5	71.7	36.8
31.25	66.9	71.4	34.9
62.5	63.2	65.2	28.9
100.	53.4	56.0	24.8
200.	48.2	53.2	18.8
250.	46.7	51.6	16.8

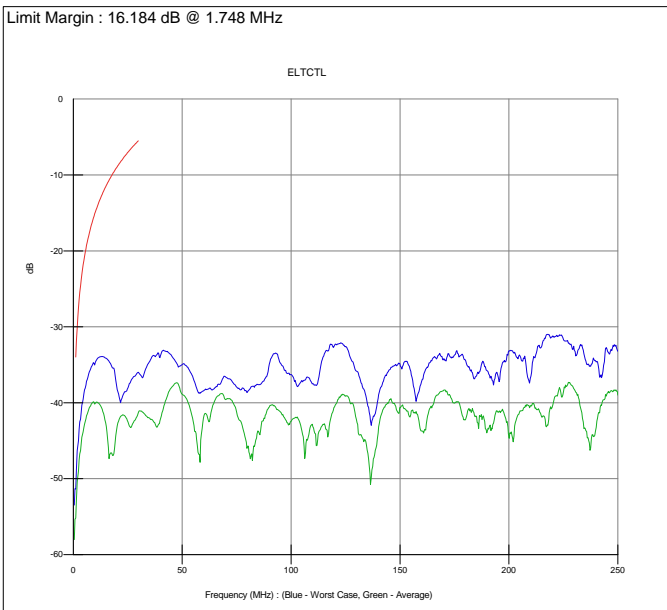


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TCL			
Freq	Worst Case	Average	Spec
1.	62.2	66.6	40.0
4.	55.6	59.2	40.0
8.	53.5	63.2	40.0
10.	56.4	62.7	40.0
16.	56.7	65.6	38.0
20.	55.6	62.3	37.0
25.	55.0	62.4	36.0
31.25	52.0	60.0	35.1
62.5	48.9	54.5	32.0
100.	45.5	51.8	30.0
200.	36.7	43.6	27.0
250.	38.0	45.4	26.0



ELTCTL			
Freq	Worst Case	Average	Spec
1.	51.4	55.3	34.8
4.	40.3	44.5	23.0
8.	35.5	40.4	16.9
10.	34.9	40.1	15.0
16.	34.4	45.6	10.9
20.	38.0	43.3	9.0
25.	38.1	42.5	7.0
31.25	36.5	41.1	
62.5	38.1	42.5	
100.	36.3	42.5	
200.	33.2	44.5	
250.	33.2	39.0	