

August 23, 2016

Test report number 102706991CRT-001  
Project number 102706991-311

Schneider Electric India Pvt. Ltd.,  
L3, Verna Industrial Estate  
Verna, Goa - 403722

**TEST:**

Initial qualification testing of a cabling configuration to the requirements of ANSI/TIA-568-C.2 for Category 6 channel.

**STANDARD USED:**

ANSI/TIA-568-C.2-2009: Balanced Twisted-Pair Telecommunications Cabling and Components Standards, dated August 2009

**SECTION:**

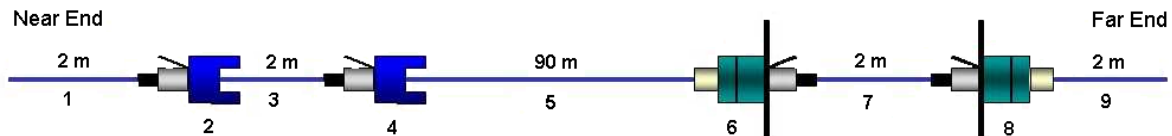
6.2: Channel transmission performance (6.2.1 to 6.2.26)

**AUTHORIZATION:**

The project was authorized by Mr. Ajit Gaonkar, representing the client, Schneider Electric India Pvt. Ltd., with Intertek India quote number CE-QUO-BAN-16-001053.

**SAMPLE DESCRIPTION:**

The client supplied a 4-connector channel as illustrated below. The samples were received on August 12, 2016 and were production samples in undamaged condition.



Component Id	Manufacturer	Description	Part number
1, 3, 7, 9	Schneider Electric	Patch Cord, 2 m	ACTPC6UBLS20GR_E
2,4	Schneider Electric	Wall Outlet	VDIB17766UWE_E
5	Schneider Electric	CM LSZH, UTP, Horizontal Cable, 90 m	ACT4P6ULS3RBWE_E
6, 8	Schneider Electric	Patch Panel	ACTPP6U24NSS_SE





**EQUIPMENT LIST:**

The following equipment was employed in conducting the tests.

<u>Equipment used</u>	<u>Model number</u>	<u>Control number</u>	<u>Calibration date</u>	<u>Calibration due date</u>
Keysight network analyzer	8753E	E307	3/9/2016	3/9/2017
Keysight LCR Meter	4263B	N967	9/15/2015	9/15/2016
Temperature humidity meter	OM-EL-USB-2-LCD	H243	2/9/2016	2/9/2017

**DATE OF TEST:**

August 20, 2016

**TEST REPORT REVISION HISTORY:**

First Issue: August 23, 2016 Original Document

**RESULTS:** See appendix A for the test results.

**CONCLUSION:**

The channel cabling configuration, as previously described and supplied by the client, was tested in accordance with the standard referred to on page 1, and did comply with the indicated applicable transmission requirements. The testing was performed at Intertek located in Cortland, New York.

The procedures and requirements were taken from the standard referred to on page 1.

Reviewed and Approved By:

Antoine Pelletier  
Project Engineer  
Global Cabling Products Testing

David Ayers  
Technician  
Global Cabling Products Testing



**Appendix A**  
Test results

This appendix contains 39 pages.



## Low Frequency Report

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

DC Resistance (Ohms)				
45	12	36	78	Limit (Ohms)
7.8145	7.5737	7.8518	7.6106	
7.8324	7.6525	7.7832	7.5605	

Resistance Unbalanced (%)				
45	12	36	78	Limit (%)
0.11	0.52	0.44	0.33	3.00

Resistance Unbalanced Pair-Pair (%)						
45 - 12	45 - 36	45 - 78	12 - 36	12 - 78	36 - 78	Limit (%)
1.36	0.04	1.54	1.33	0.18	1.51	

DC Loop Resistance (Ohms)				
45	12	36	78	Limit (Ohms)
15.6220	15.2100	15.6420	15.1720	25.0000



## Insertion Loss

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

Insertion Loss (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-2.18	-1.81	-1.69	-1.80	-1.64
4.	-4.02	-3.75	-3.52	-3.80	-3.40
8.	-5.66	-5.35	-5.01	-5.44	-4.87
10.	-6.34	-6.00	-5.62	-6.10	-5.46
16.	-8.05	-7.63	-7.16	-7.77	-6.96
20.	-9.03	-8.56	-8.03	-8.72	-7.81
25.	-10.14	-9.60	-9.01	-9.78	-8.77
31.25	-11.40	-10.77	-10.10	-10.97	-9.86
62.5	-16.48	-15.35	-14.46	-15.71	-14.12
100.	-21.31	-19.64	-18.48	-20.07	-18.10
155.	-27.26	-24.78	-23.27	-25.43	-22.63
200.	-31.57	-28.51	-26.74	-29.50	-25.87
250.	-35.92	-32.10	-30.09	-32.64	-29.35
300.		-35.24	-33.20	-36.65	-32.51
350.		-38.59	-35.96	-39.84	-35.54
400.		-41.70	-38.59	-42.95	-37.62
450.		-44.72	-41.38	-45.99	-39.93
500.		-47.51	-43.56	-47.93	-42.63
550.		-50.89	-46.12	-53.05	-45.22
600.		-54.65	-48.04	-51.09	-47.06



**NEXT - Near End**

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

NEXT - Near End (dB)							
Freq (MHz)	Limit	45 - 12	45 - 36	45 - 78	12 - 36	12 - 78	36 - 78
1.	-65.00	-82.69	-92.48	-87.83	-88.22	-86.89	-91.72
4.	-63.07	-78.31	-82.56	-78.90	-78.43	-79.78	-84.37
8.	-58.16	-81.91	-79.29	-76.25	-72.79	-78.85	-72.67
10.	-56.58	-79.10	-76.82	-79.42	-70.51	-73.64	-70.50
16.	-53.23	-72.97	-73.50	-74.58	-72.54	-72.77	-69.61
20.	-51.63	-71.83	-75.48	-70.75	-71.44	-74.68	-67.62
25.	-50.03	-69.52	-70.87	-76.03	-73.98	-75.67	-73.68
31.25	-48.42	-68.07	-68.91	-73.03	-64.29	-73.52	-76.59
62.5	-43.38	-58.92	-64.06	-62.09	-54.91	-64.75	-64.77
100.	-39.93	-53.38	-53.88	-52.51	-54.16	-56.87	-58.54
155.	-36.68	-46.72	-51.80	-46.93	-51.20	-50.78	-56.13
200.	-34.78	-47.48	-41.63	-43.77	-43.65	-50.06	-42.84
250.	-33.14	-44.36	-38.64	-39.09	-43.52	-46.76	-42.04
300.		-42.30	-34.63	-40.26	-41.57	-50.27	-40.19
350.		-39.96	-35.43	-36.68	-42.52	-48.60	-38.37
400.		-38.24	-32.84	-35.42	-38.67	-59.18	-36.37
450.		-40.51	-34.17	-34.43	-42.79	-51.18	-33.61
500.		-39.02	-32.15	-31.46	-36.55	-58.81	-32.54
550.		-42.47	-35.74	-31.23	-37.24	-50.26	-30.52
600.		-35.20	-33.88	-29.38	-36.32	-52.32	-30.58



**NEXT - Far End**

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

		NEXT - Far End (dB)					
Freq (MHz)	Limit	45 - 12	45 - 36	45 - 78	12 - 36	12 - 78	36 - 78
1.	-65.00	-86.57	-84.79	-91.90	-88.77	-92.23	-87.17
4.	-63.07	-79.17	-76.10	-82.42	-83.63	-78.06	-75.60
8.	-58.16	-77.31	-72.93	-76.98	-95.78	-78.00	-71.53
10.	-56.58	-71.25	-71.75	-79.14	-71.07	-77.09	-73.48
16.	-53.23	-69.54	-69.92	-76.89	-72.43	-85.49	-67.10
20.	-51.63	-70.56	-71.42	-75.47	-77.51	-86.43	-64.01
25.	-50.03	-69.63	-72.29	-69.72	-69.30	-76.31	-76.88
31.25	-48.42	-70.28	-66.00	-62.15	-77.66	-68.02	-61.00
62.5	-43.38	-65.22	-56.87	-62.62	-66.62	-59.25	-52.72
100.	-39.93	-52.85	-50.16	-54.26	-54.32	-54.52	-49.67
155.	-36.68	-51.09	-47.93	-53.25	-51.21	-56.36	-46.03
200.	-34.78	-43.58	-47.81	-46.39	-56.28	-51.66	-43.43
250.	-33.14	-41.94	-51.67	-42.44	-49.57	-51.75	-39.80
300.		-39.91	-46.68	-43.15	-53.23	-51.32	-37.45
350.		-42.16	-37.54	-39.77	-42.75	-51.13	-37.02
400.		-42.50	-32.67	-39.47	-41.07	-48.47	-37.40
450.		-40.75	-29.22	-36.89	-39.92	-50.90	-35.79
500.		-46.54	-26.81	-35.78	-42.13	-49.60	-34.54
550.		-53.38	-24.15	-34.33	-41.62	-55.18	-33.38
600.		-46.54	-22.63	-35.76	-43.74	-47.25	-33.70



**PSNEXT - Near End**

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

PSNEXT - Near End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-62.00	-80.96	-80.46	-85.37	-83.33
4.	-60.57	-73.72	-73.72	-75.72	-74.16
8.	-55.60	-73.74	-71.40	-69.26	-70.41
10.	-54.00	-72.89	-68.39	-66.88	-68.06
16.	-50.60	-68.06	-67.19	-65.73	-66.36
20.	-48.97	-67.48	-67.66	-65.54	-65.29
25.	-47.34	-66.19	-66.92	-67.56	-69.85
31.25	-45.71	-64.75	-62.42	-62.81	-69.30
62.5	-40.59	-56.23	-53.08	-54.03	-58.83
100.	-37.08	-48.42	-49.77	-50.26	-50.41
155.	-33.78	-43.17	-44.28	-47.75	-45.07
200.	-31.85	-38.89	-41.47	-37.85	-39.83
250.	-30.18	-35.28	-39.90	-36.13	-36.84
300.		-33.03	-38.60	-32.93	-37.00
350.		-32.20	-37.66	-33.11	-34.26
400.		-30.19	-35.42	-30.52	-32.85
450.		-30.80	-38.26	-30.60	-30.95
500.		-28.39	-34.59	-28.57	-28.95
550.		-29.67	-35.91	-28.72	-27.82
600.		-27.30	-32.67	-28.19	-26.92





PSNEXT - Far End

**Client** Schneider Electric **Report No** 102706991CRT-001  
**Specification** ANSI-TIA-568-C2 Cat 6 Channel  
**Part No** ACT4P6ULS3RBWE\_E **Length(m)** 98.  
**Test Started** 8/20/2016 1:16:06 PM **Temperature** 22 °C  
**Description** 4 Pr 23 AWG UTPSolid **Appendix** A  
**Operator Name** David Ayers **Test Status** **Complies**

PSNEXT - Far End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-62.00	-81.78	-83.58	-81.80	-84.03
4.	-60.57	-72.66	-74.55	-72.48	-72.70
8.	-55.60	-70.46	-74.59	-69.14	-69.73
10.	-54.00	-68.09	-67.32	-67.06	-69.98
16.	-50.60	-66.09	-67.57	-64.50	-66.44
20.	-48.97	-67.15	-69.58	-63.03	-63.64
25.	-47.34	-65.52	-65.84	-66.80	-67.74
31.25	-45.71	-60.17	-65.61	-59.72	-58.06
62.5	-40.59	-55.10	-57.26	-51.17	-51.50
100.	-37.08	-47.29	-49.02	-46.17	-47.39
155.	-33.78	-45.41	-47.52	-43.13	-44.94
200.	-31.85	-40.79	-42.74	-41.91	-41.23
250.	-30.18	-38.94	-40.87	-39.12	-37.74
300.		-37.64	-39.38	-36.83	-36.27
350.		-34.65	-39.15	-33.68	-35.06
400.		-31.49	-38.27	-30.96	-35.10
450.		-28.28	-37.11	-28.06	-33.22
500.		-26.25	-40.19	-26.02	-32.02
550.		-23.74	-41.12	-23.59	-30.80
600.		-22.41	-40.79	-22.27	-31.48



**ACR - Near End**

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

ACR - Near End (dB)							
Freq (MHz)	Limit	45 - 12	45 - 36	45 - 78	12 - 36	12 - 78	36 - 78
1.	62.82	81.00	90.68	86.19	86.43	85.25	90.08
4.	59.04	74.80	78.76	75.50	74.63	76.38	80.97
8.	52.49	76.89	73.85	71.38	67.35	73.98	67.80
10.	50.25	73.48	70.71	73.96	64.40	68.18	65.04
16.	45.18	65.81	65.72	67.62	64.76	65.81	62.65
20.	42.60	63.80	66.77	62.94	62.72	66.87	59.81
25.	39.89	60.51	61.09	67.26	64.20	66.90	64.91
31.25	37.02	57.96	57.94	63.17	53.32	63.66	66.73
62.5	26.89	44.46	48.35	47.98	39.20	50.63	50.65
100.	18.61	34.90	33.81	34.41	34.10	38.77	40.44
155.	9.42	23.45	26.37	24.29	25.77	28.15	33.50
200.	3.22	20.73	12.13	17.90	14.15	24.18	16.97
250.	-2.79	14.27	6.00	9.75	10.88	17.41	12.69
300.		9.10	-2.02	7.75	4.92	17.76	7.68
350.		4.00	-4.41	1.14	2.69	13.06	2.83
400.		-0.35	-10.11	-2.20	-4.29	21.56	-1.25
450.		-0.87	-11.82	-5.50	-3.20	11.25	-6.32
500.		-4.54	-15.77	-11.18	-11.38	16.18	-10.09
550.		-3.64	-17.31	-13.99	-15.81	5.04	-14.70
600.		-12.84	-17.21	-17.68	-14.77	5.25	-16.48



**ACR - Far End**

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

ACR - Far End (dB)							
Freq (MHz)	Limit	45 - 12	45 - 36	45 - 78	12 - 36	12 - 78	36 - 78
1.	62.82	84.87	83.02	90.25	87.00	90.58	85.53
4.	59.04	75.65	72.31	79.01	79.84	74.65	72.19
8.	52.49	72.29	67.49	72.10	90.35	73.12	66.65
10.	50.25	65.62	65.65	73.67	64.98	71.62	68.02
16.	45.18	62.37	62.15	69.92	64.66	78.53	60.14
20.	42.60	62.52	62.69	67.66	68.78	78.61	56.19
25.	39.89	60.61	62.51	60.93	59.51	67.52	68.08
31.25	37.02	60.14	55.00	52.26	66.66	58.14	51.11
62.5	26.89	50.71	41.14	48.50	50.90	45.14	38.60
100.	18.61	34.38	30.02	36.12	34.17	36.38	31.53
155.	9.42	27.87	22.45	30.65	25.74	33.76	23.43
200.	3.22	16.72	18.29	20.46	26.77	25.74	17.51
250.	-2.79	11.80	18.98	13.03	16.88	22.34	10.39
300.		6.72	10.04	10.63	16.59	18.80	4.92
350.		6.18	-2.34	4.26	2.87	15.63	1.52
400.		3.86	-10.29	1.89	-1.90	10.89	-0.18
450.		-0.92	-16.66	-3.06	-5.96	10.94	-4.16
500.		2.86	-21.01	-7.04	-5.69	6.78	-8.28
550.		7.20	-30.48	-10.80	-13.01	10.06	-11.75
600.		-1.61	-28.62	-11.18	-7.51	0.30	-13.25



**PSACR - Near End**

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

PSACR - Near End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	59.82	79.15	78.77	83.57	81.69
4.	56.55	69.97	70.20	71.92	70.75
8.	49.93	68.39	66.39	63.82	65.54
10.	47.66	66.89	62.77	60.77	62.61
16.	42.55	60.43	60.02	57.95	59.40
20.	39.94	58.93	59.63	56.82	57.48
25.	37.20	56.59	57.91	57.78	61.08
31.25	34.31	53.98	52.31	51.84	59.43
62.5	24.10	40.87	38.62	38.31	44.71
100.	15.77	28.78	31.29	30.20	32.30
155.	6.52	18.38	21.00	22.32	22.44
200.	0.29	10.38	14.72	8.35	13.96
250.	-5.75	3.18	9.81	3.49	7.49
300.		-2.21	5.40	-3.72	4.49
350.		-6.38	1.70	-6.72	-1.28
400.		-11.51	-3.18	-12.43	-4.77
450.		-13.92	-3.12	-15.39	-8.98
500.		-19.13	-8.98	-19.35	-13.68
550.		-21.22	-10.21	-24.33	-17.40
600.		-27.35	-15.37	-22.90	-20.14



PSACR - Far End

**Client** Schneider Electric **Report No** 102706991CRT-001  
**Specification** ANSI-TIA-568-C2 Cat 6 Channel  
**Part No** ACT4P6ULS3RBWE\_E **Length(m)** 98.  
**Test Started** 8/20/2016 1:16:06 PM **Temperature** 22 °C  
**Description** 4 Pr 23 AWG UTPSolid **Appendix** A  
**Operator Name** David Ayers **Test Status** Complies

PSACR - Far End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	59.82	79.95	81.88	80.03	82.39
4.	56.55	68.90	71.03	68.69	69.29
8.	49.93	65.11	69.56	63.71	64.85
10.	47.66	62.09	61.70	60.97	64.51
16.	42.55	58.45	60.41	56.73	59.48
20.	39.94	58.58	61.54	54.30	55.82
25.	37.20	55.91	56.81	57.01	58.95
31.25	34.31	49.39	55.47	48.72	48.17
62.5	24.10	39.73	42.76	35.45	37.38
100.	15.77	27.65	30.55	26.03	29.25
155.	6.52	20.39	24.30	17.66	22.33
200.	0.29	11.96	15.88	12.39	15.31
250.	-5.75	6.70	10.73	6.43	8.32
300.		2.43	6.19	0.19	3.74
350.		-3.93	3.17	-6.20	-0.45
400.		-10.38	-0.37	-12.00	-2.48
450.		-16.59	-4.55	-17.82	-6.73
500.		-21.30	-3.50	-21.81	-10.79
550.		-26.89	-5.05	-31.04	-14.33
600.		-31.63	-7.35	-28.98	-15.46



**FEXT - Near End**

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

FEXT - Near End (dB)												
f (MHz)	1-2	1-3	1-4	2-1	2-3	2-4	3-1	3-2	3-4	4-1	4-2	4-3
1.	-75.38	-88.99	-78.77	-75.40	-90.61	-85.57	-89.25	-93.53	-96.13	-78.19	-85.99	-90.43
4.	-65.18	-78.48	-67.99	-64.87	-82.96	-73.81	-79.45	-83.36	-84.10	-68.13	-74.52	-81.58
8.	-61.43	-74.83	-64.84	-61.10	-79.67	-70.09	-74.64	-80.88	-74.44	-64.52	-70.61	-73.15
10.	-60.52	-72.53	-64.45	-60.17	-80.41	-68.73	-73.14	-81.27	-70.96	-64.03	-69.23	-70.31
16.	-60.31	-69.77	-66.97	-60.05	-79.19	-64.73	-70.71	-80.74	-65.06	-66.13	-66.11	-64.16
20.	-61.77	-68.27	-71.50	-61.32	-80.15	-62.55	-70.52	-81.09	-62.89	-69.83	-63.65	-62.08
25.	-65.50	-67.63	-66.90	-64.80	-82.44	-61.01	-69.81	-81.71	-60.74	-66.38	-61.56	-60.37
31.25	-73.88	-66.91	-59.59	-69.78	-73.89	-59.37	-67.87	-87.62	-58.65	-59.46	-59.64	-58.80
62.5	-53.51	-66.52	-55.48	-53.23	-60.28	-53.24	-70.00	-63.54	-73.65	-55.45	-54.29	-78.70
100.	-58.65	-64.53	-54.32	-58.15	-59.87	-50.08	-74.96	-58.27	-58.87	-54.49	-50.48	-58.69
155.	-62.09	-72.13	-53.45	-66.65	-71.45	-48.31	-68.33	-75.91	-60.24	-53.37	-48.87	-56.92
200.	-58.91	-60.80	-53.57	-61.69	-67.74	-48.68	-59.29	-77.47	-61.35	-55.08	-48.94	-75.89
250.	-56.72	-62.90	-61.46	-57.79	-76.50	-50.75	-62.99	-73.28	-59.10	-60.07	-50.24	-67.06
300.	-60.71	-58.39	-59.84	-62.36	-65.08	-53.20	-64.81	-71.54	-56.98	-59.15	-52.77	-77.50
350.	-64.01	-61.39	-68.59	-65.18	-72.58	-57.99	-63.20	-80.89	-59.63	-62.70	-55.52	-62.86
400.	-75.22	-60.82	-62.91	-70.30	-69.19	-63.87	-65.82	-69.18	-65.65	-63.97	-60.04	-64.27
450.	-76.30	-67.22	-73.20	-74.06	-68.19	-65.13	-73.27	-80.55	-72.61	-73.81	-64.17	-67.74
500.	-70.55	-86.85	-67.97	-71.54	-71.73	-69.38	-86.76	-74.30	-70.27	-67.53	-64.24	-65.71
550.	-71.72	-66.73	-71.45	-72.41	-67.38	-70.17	-63.64	-78.72	-61.49	-70.27	-60.99	-59.89
600.	-74.68	-62.41	-72.66	-84.42	-66.63	-62.88	-67.06	-70.68	-65.81	-66.08	-64.88	-58.36



**ACRF (ELFEXT) - Near End**

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

ACRF (ELFEXT) - Near End (dB)													
f (MHz)	Limit	1-2	1-3	1-4	2-1	2-3	2-4	3-1	3-2	3-4	4-1	4-2	4-3
1.	-62.68	-73.70	-87.19	-77.14	-73.59	-88.82	-83.93	-87.43	-91.85	-94.49	-76.38	-84.30	-88.63
4.	-51.25	-61.67	-74.68	-64.59	-61.13	-79.16	-70.40	-75.70	-79.85	-80.70	-64.38	-71.00	-77.79
8.	-45.20	-56.42	-69.39	-59.97	-55.75	-74.23	-65.22	-69.29	-75.86	-69.57	-59.17	-65.59	-67.71
10.	-43.26	-54.90	-66.43	-58.99	-54.17	-74.31	-63.28	-67.14	-75.64	-65.51	-58.03	-63.61	-64.20
16.	-39.18	-53.15	-62.00	-60.01	-52.41	-71.41	-57.77	-63.08	-73.58	-58.10	-58.50	-58.95	-56.38
20.	-37.24	-53.74	-59.55	-63.69	-52.76	-71.43	-54.74	-61.96	-73.07	-55.08	-61.28	-55.62	-53.37
25.	-35.30	-56.49	-57.85	-58.13	-55.20	-72.66	-52.24	-60.21	-72.70	-51.97	-56.78	-52.55	-50.59
31.25	-33.36	-63.77	-55.94	-49.73	-59.01	-62.92	-49.50	-57.10	-77.52	-48.79	-48.70	-49.53	-47.83
62.5	-27.34	-39.05	-50.81	-41.37	-37.88	-44.57	-39.12	-54.65	-49.08	-59.53	-40.09	-39.83	-62.99
100.	-23.26	-40.17	-44.46	-36.21	-38.51	-39.81	-31.97	-55.32	-39.79	-40.77	-34.85	-32.00	-38.62
155.	-19.45	-38.82	-46.69	-30.82	-41.87	-46.01	-25.67	-43.54	-52.64	-37.60	-28.58	-25.60	-31.49
200.	-17.24	-32.17	-31.30	-27.69	-33.19	-38.23	-22.80	-30.78	-50.72	-35.48	-26.57	-22.20	-46.38
250.	-15.32	-26.63	-30.26	-32.11	-25.69	-43.86	-21.40	-30.89	-43.18	-29.75	-27.97	-20.15	-34.42
300.		-27.51	-21.73	-27.32	-27.11	-28.42	-20.69	-29.56	-38.34	-24.46	-23.91	-19.57	-40.85
350.		-28.06	-21.55	-33.05	-26.60	-32.74	-22.45	-24.61	-44.93	-24.09	-24.11	-19.56	-23.02
400.		-36.63	-17.87	-25.29	-28.60	-26.24	-26.25	-24.12	-30.59	-28.03	-22.27	-21.44	-21.32
450.		-34.93	-21.23	-33.27	-29.34	-22.20	-25.20	-28.55	-39.17	-32.68	-29.09	-22.80	-21.75
500.		-26.99	-38.92	-25.34	-24.03	-23.80	-26.74	-39.25	-30.73	-27.63	-20.02	-20.68	-17.78
550.		-25.60	-13.68	-26.23	-21.52	-14.33	-24.95	-12.75	-32.60	-16.27	-19.38	-14.87	-6.84
600.		-26.64	-11.32	-25.60	-29.77	-15.54	-15.82	-12.41	-22.64	-18.74	-11.43	-16.84	-7.27



**PSFEXT - Near End**

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

PSFEXT - Near End (dB)				
Freq (MHz)	45	12	36	78
1.	-73.60	-74.76	-87.11	-77.23
4.	-63.22	-64.29	-76.97	-67.08
8.	-59.67	-60.53	-71.05	-63.11
10.	-58.85	-59.57	-68.65	-62.15
16.	-59.07	-58.74	-63.93	-60.59
20.	-60.53	-58.85	-62.15	-59.38
25.	-61.79	-59.47	-60.20	-57.33
31.25	-58.71	-58.85	-58.15	-54.51
62.5	-51.24	-49.82	-62.31	-51.81
100.	-52.65	-49.07	-55.50	-48.58
155.	-52.84	-48.22	-59.49	-47.07
200.	-51.85	-48.41	-57.14	-47.99
250.	-54.74	-49.96	-57.49	-49.73
300.	-54.76	-52.46	-56.18	-51.84
350.	-58.97	-57.11	-58.03	-54.12
400.	-58.62	-62.05	-61.83	-57.52
450.	-65.17	-63.02	-69.50	-62.14
500.	-65.71	-65.62	-68.69	-60.49
550.	-64.35	-64.58	-59.36	-57.14
600.	-61.79	-61.33	-62.64	-56.92





**PSACRF (PSELFEXT) - Near End**

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

PSACRF (PSELFEXT) - Near End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-59.68	-71.79	-73.07	-85.32	-75.59
4.	-48.25	-59.47	-60.77	-73.17	-63.68
8.	-42.20	-54.32	-55.51	-65.61	-58.24
10.	-40.26	-52.86	-53.94	-62.54	-56.70
16.	-36.18	-51.44	-51.57	-56.15	-53.63
20.	-34.24	-51.97	-50.82	-53.43	-51.57
25.	-32.30	-52.19	-50.46	-50.43	-48.56
31.25	-30.36	-47.95	-48.75	-47.18	-44.65
62.5	-24.34	-35.89	-35.36	-46.60	-37.69
100.	-20.26	-33.01	-30.59	-35.43	-30.48
155.	-16.45	-28.06	-24.95	-34.06	-24.44
200.	-14.24	-23.34	-21.67	-27.64	-22.12
250.	-12.32	-22.65	-19.86	-24.85	-20.39
300.		-19.51	-19.26	-19.53	-19.32
350.		-20.39	-21.15	-18.19	-18.58
400.		-16.92	-23.45	-18.88	-19.90
450.		-20.45	-21.64	-23.51	-22.21
500.		-18.20	-22.06	-20.77	-17.86
550.		-13.46	-18.46	-6.31	-11.92
600.		-7.15	-13.29	-11.54	-9.86



## Return Loss - Near End

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

Return Loss - Near End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-19.00	-28.38	-23.59	-29.88	-23.53
4.	-19.00	-55.05	-30.66	-49.95	-32.47
8.	-19.00	-44.19	-36.37	-42.52	-35.92
10.	-18.96	-38.20	-55.60	-35.03	-49.76
16.	-17.98	-50.90	-31.67	-35.70	-49.18
20.	-17.50	-43.30	-48.18	-40.56	-35.56
25.	-17.01	-37.65	-39.68	-35.28	-30.59
31.25	-16.53	-30.60	-42.81	-35.49	-35.32
62.5	-14.04	-33.80	-47.16	-43.63	-36.11
100.	-12.00	-20.47	-44.08	-36.91	-23.02
155.	-10.10	-22.31	-29.30	-35.96	-43.11
200.	-8.99	-15.44	-24.77	-32.02	-43.03
250.	-8.03	-17.13	-41.52	-25.04	-30.33
300.		-24.87	-24.69	-27.61	-40.78
350.		-33.32	-18.55	-20.63	-30.83
400.		-35.08	-39.78	-23.34	-21.73
450.		-30.04	-26.48	-30.35	-22.73
500.		-33.45	-27.62	-45.06	-21.02
550.		-23.79	-27.65	-29.89	-21.69
600.		-18.95	-17.00	-29.21	-18.14



## Return Loss - Far End

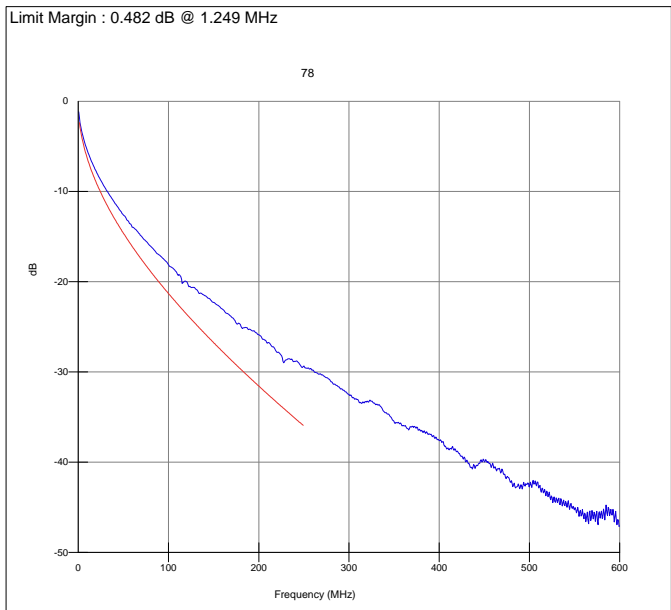
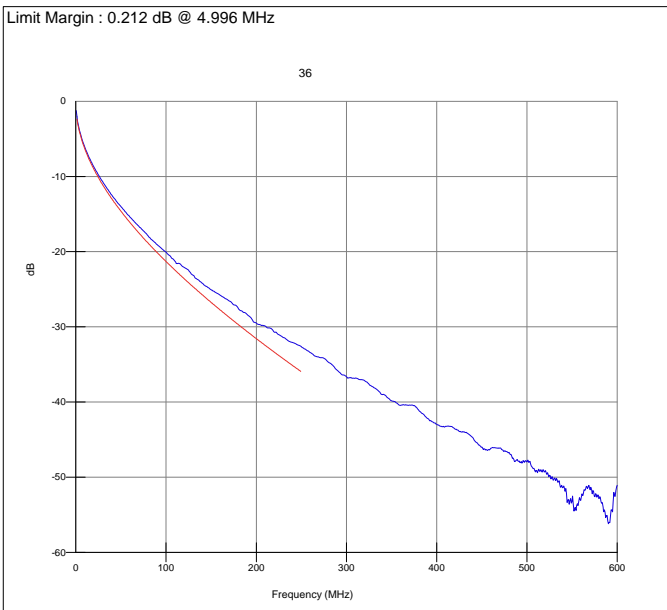
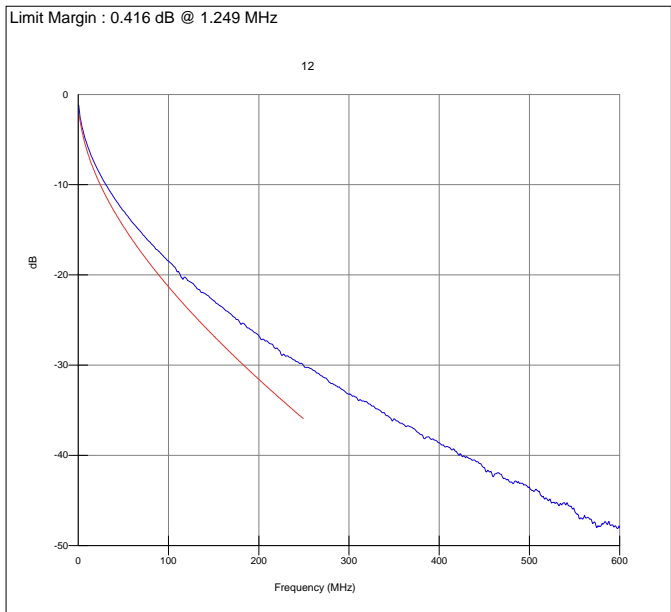
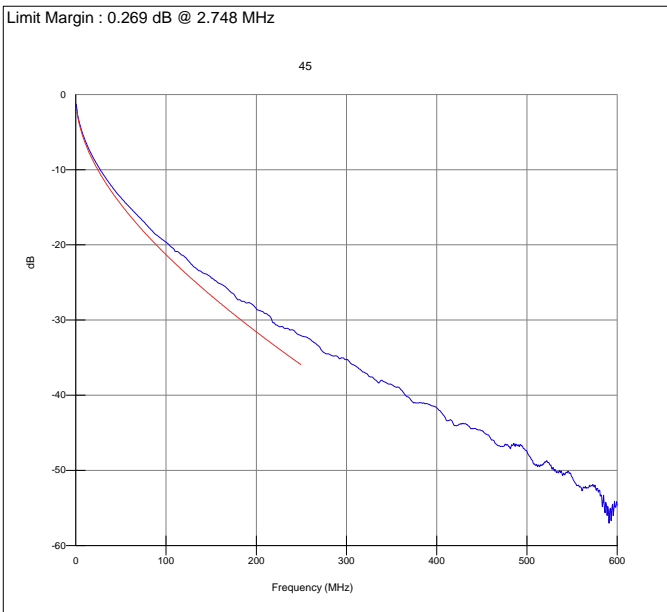
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<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

Return Loss - Far End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-19.00	-29.96	-25.21	-35.90	-24.05
4.	-19.00	-52.96	-38.01	-46.15	-31.91
8.	-19.00	-38.87	-36.00	-39.24	-34.57
10.	-18.96	-38.70	-50.69	-44.68	-45.80
16.	-17.98	-37.83	-43.00	-65.21	-42.71
20.	-17.50	-40.93	-38.67	-32.84	-40.00
25.	-17.01	-41.00	-31.85	-30.80	-31.51
31.25	-16.53	-30.07	-28.05	-28.28	-29.80
62.5	-14.04	-33.27	-43.71	-48.26	-35.43
100.	-12.00	-22.37	-38.81	-22.58	-32.61
155.	-10.10	-24.71	-32.47	-35.47	-35.57
200.	-8.99	-36.88	-25.34	-37.97	-38.69
250.	-8.03	-37.28	-35.16	-68.48	-25.33
300.		-23.96	-25.02	-49.87	-29.32
350.		-16.14	-29.47	-25.89	-40.83
400.		-12.14	-29.15	-28.19	-31.21
450.		-10.47	-24.19	-23.19	-32.46
500.		-9.95	-38.50	-26.20	-47.13
550.		-10.18	-25.45	-23.29	-21.54
600.		-11.08	-47.19	-21.48	-19.80



## Insertion Loss

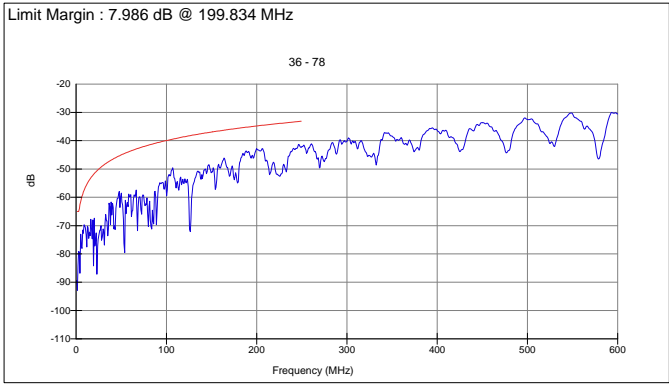
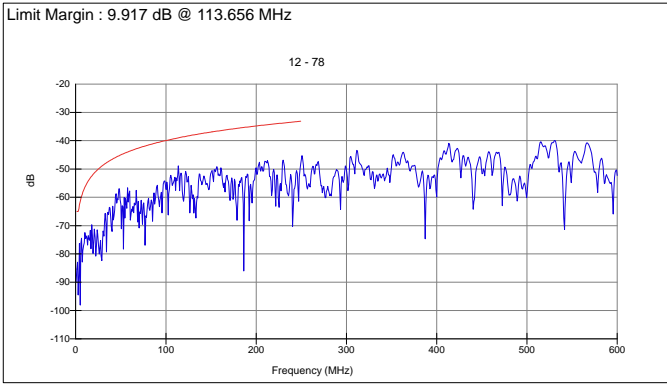
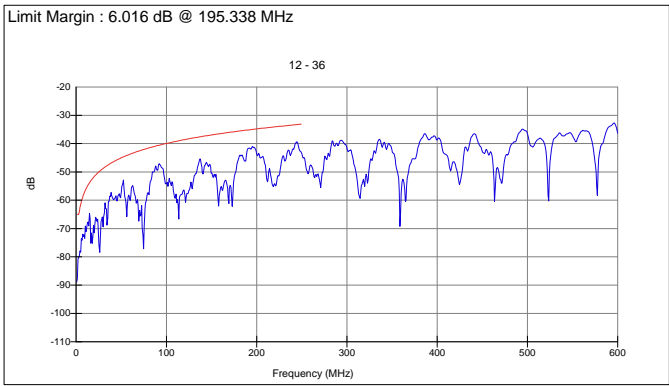
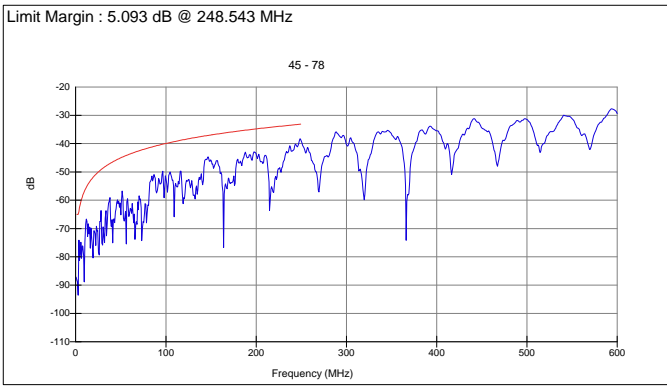
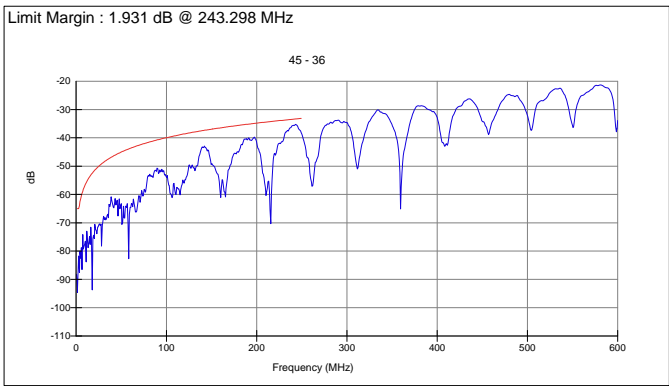
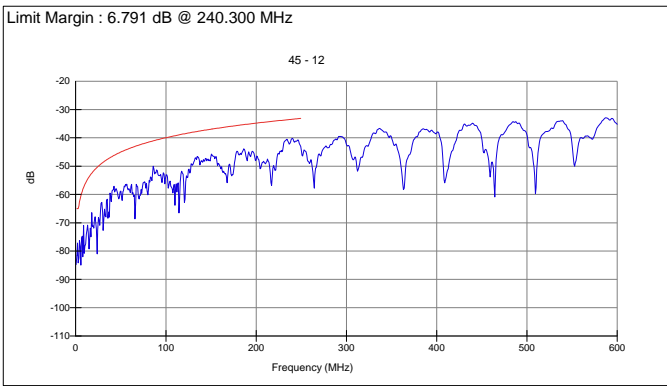
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<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





**NEXT - Near End**

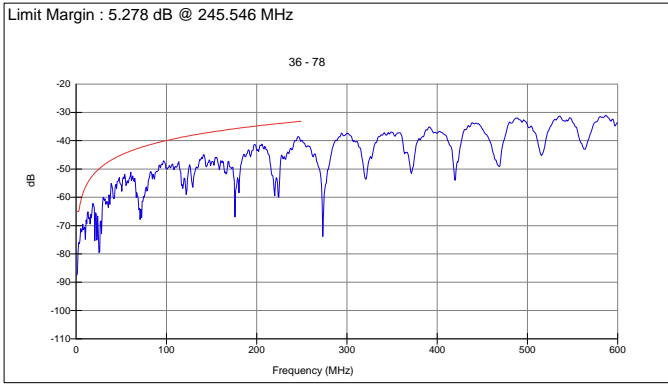
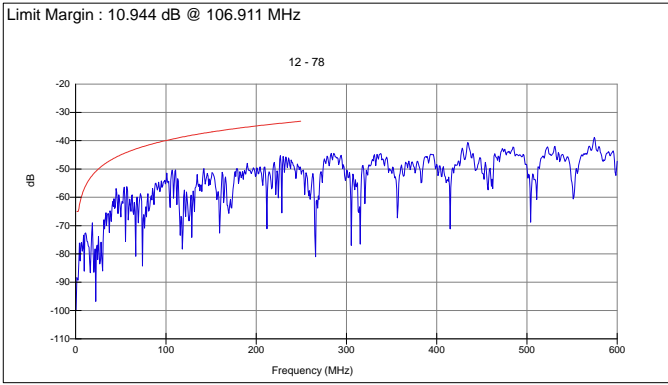
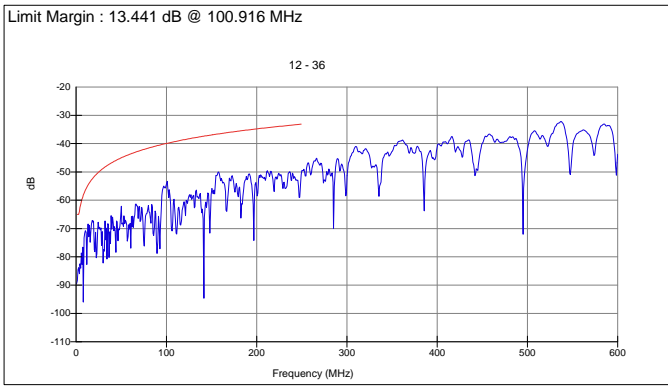
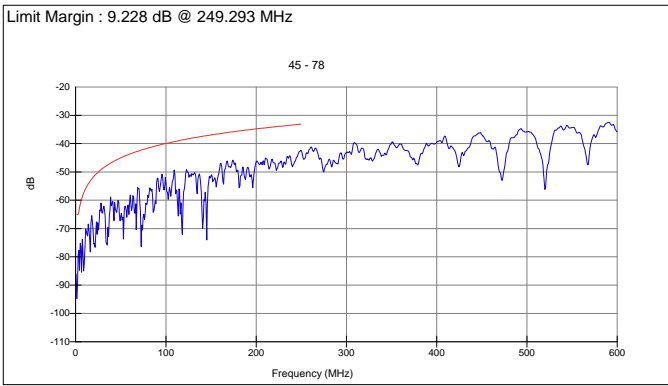
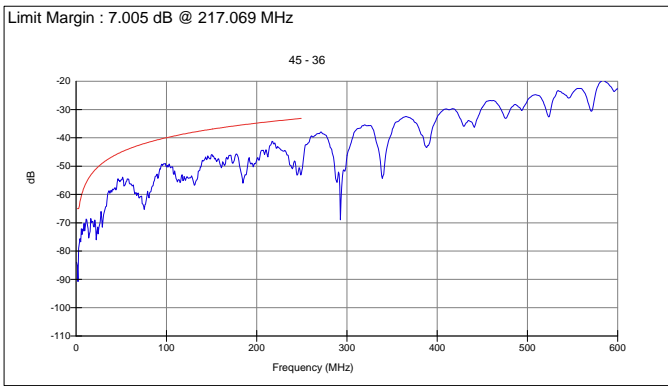
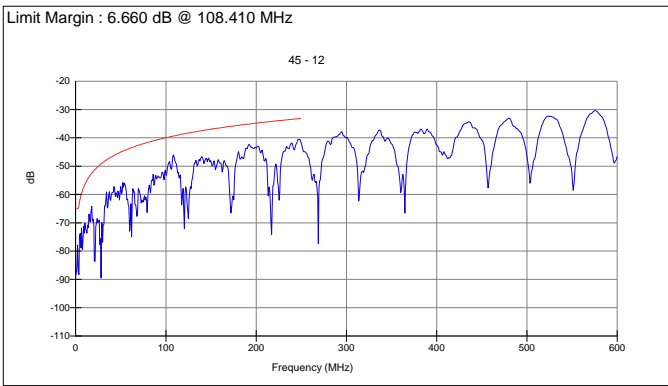
<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





**NEXT - Far End**

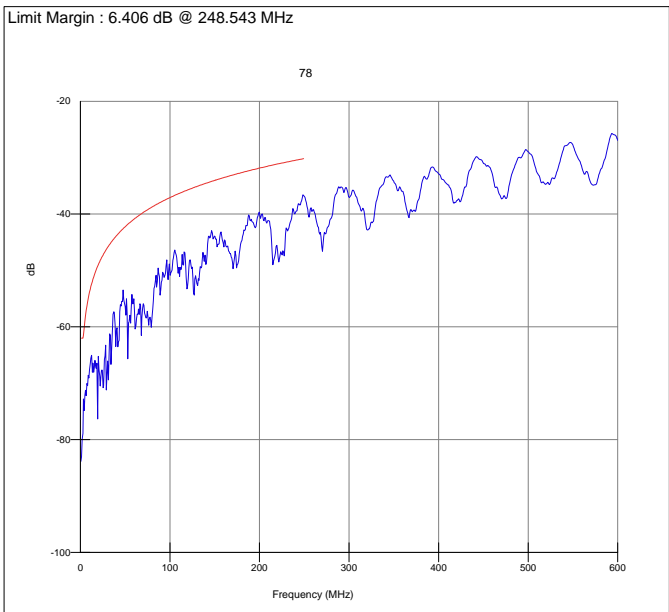
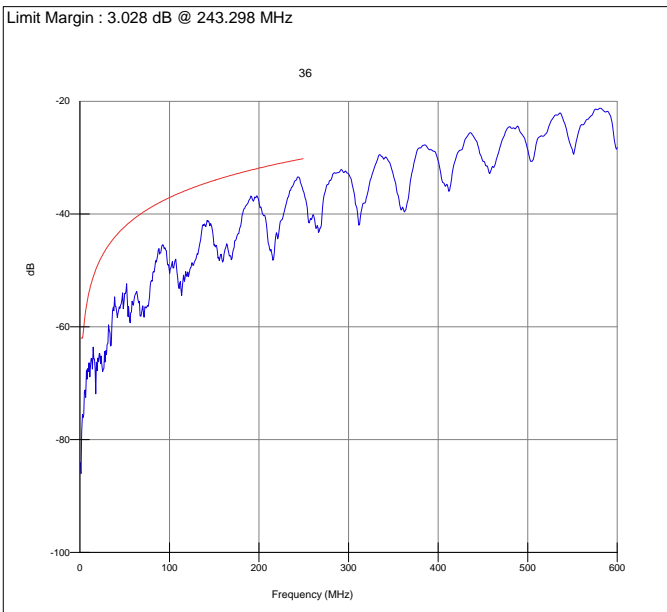
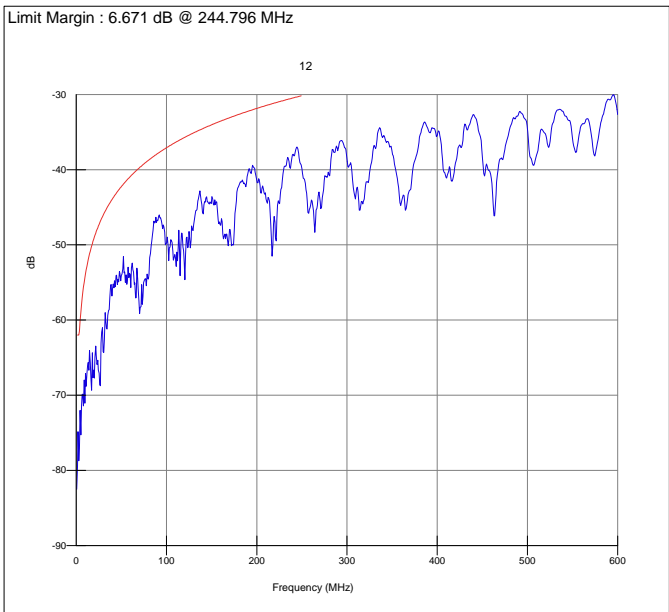
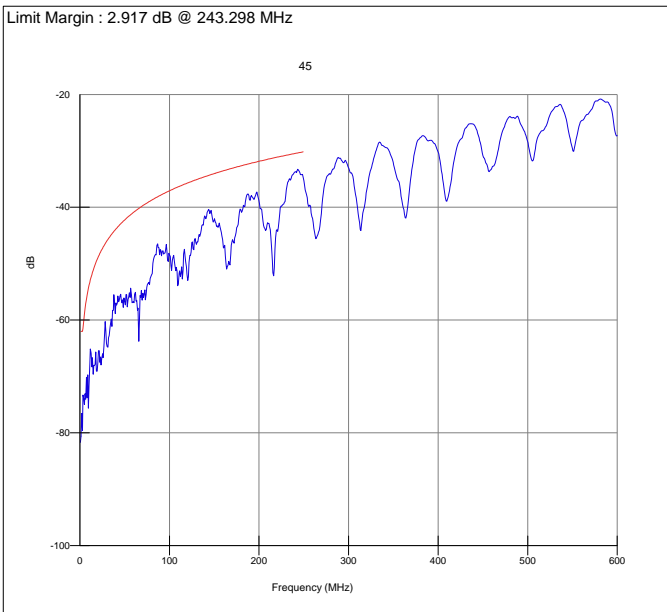
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<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





PSNEXT - Near End

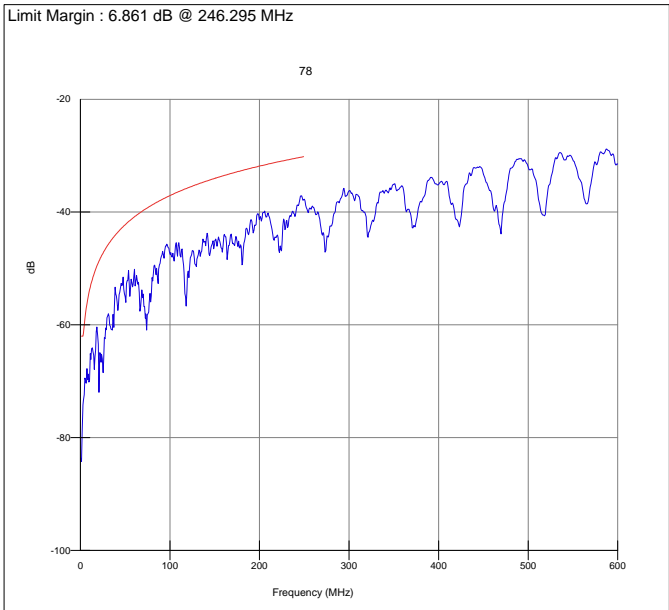
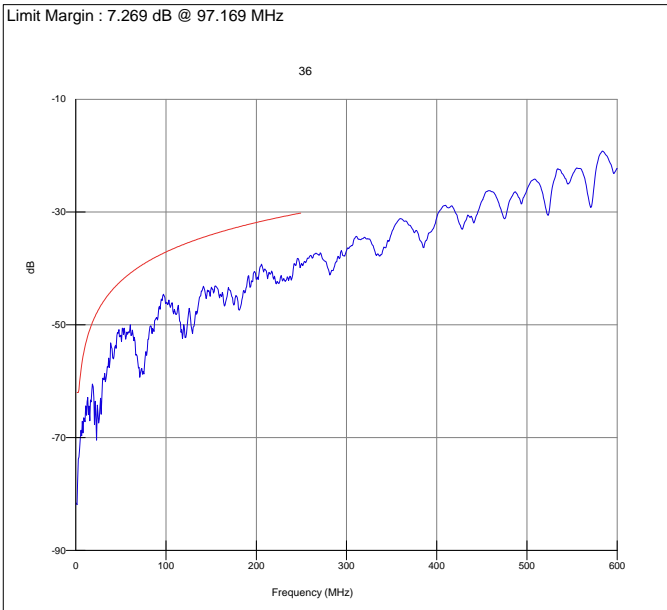
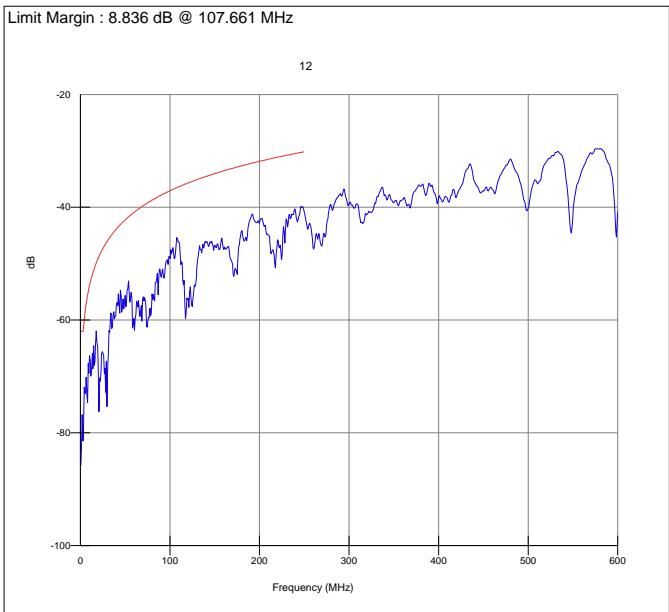
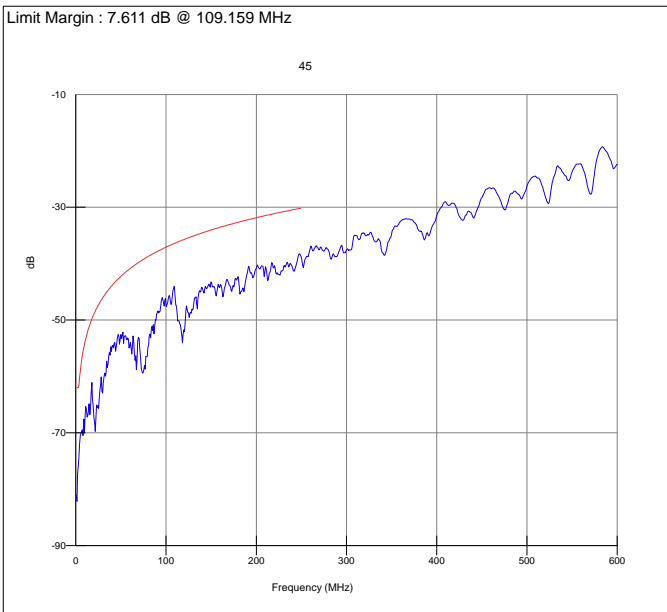
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<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





PSNEXT - Far End

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		

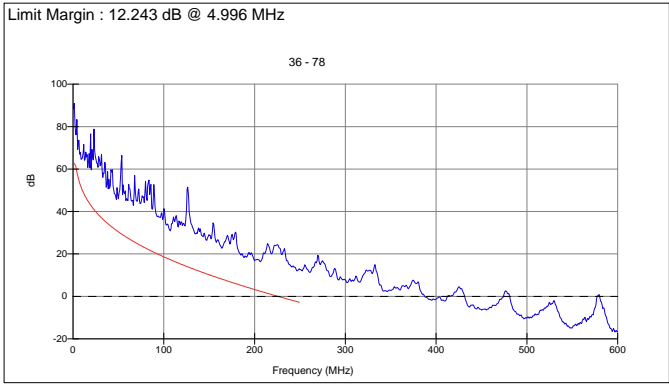
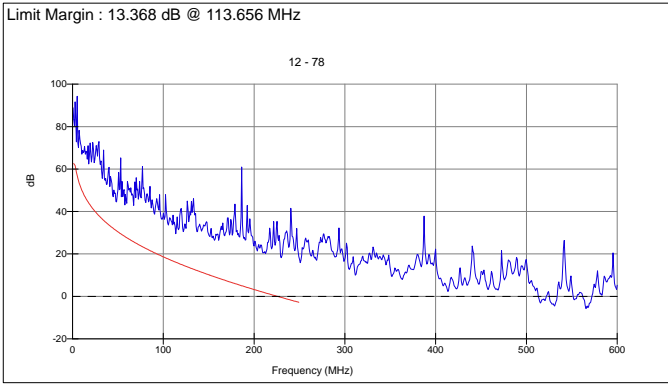
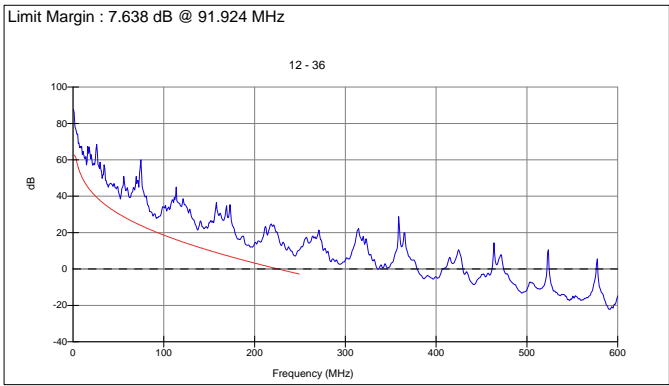
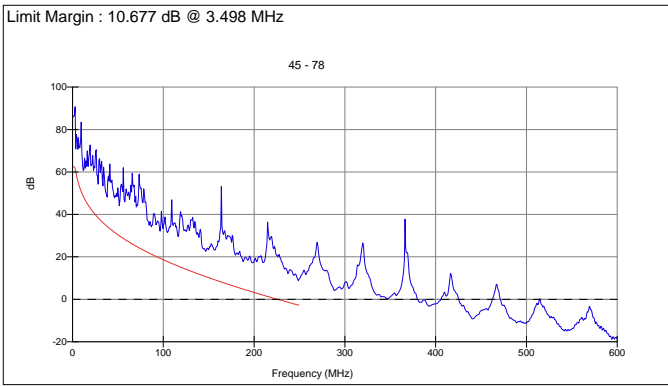
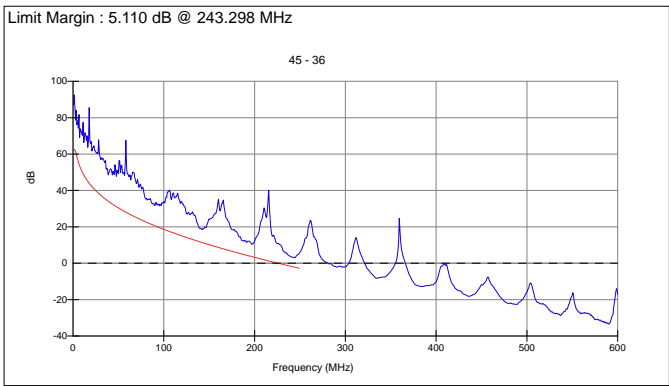
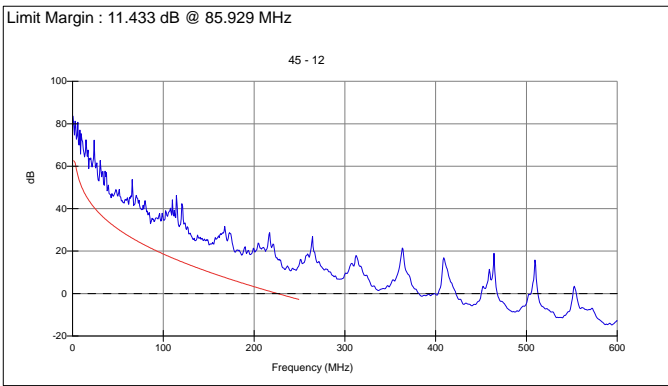






**ACR - Near End**

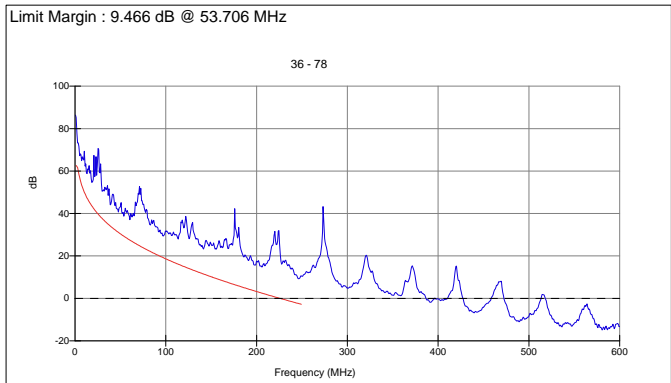
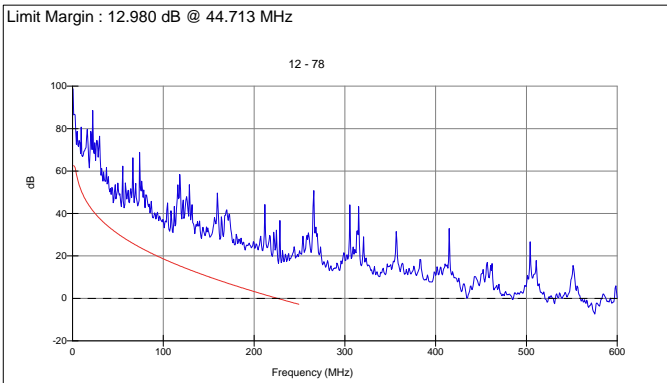
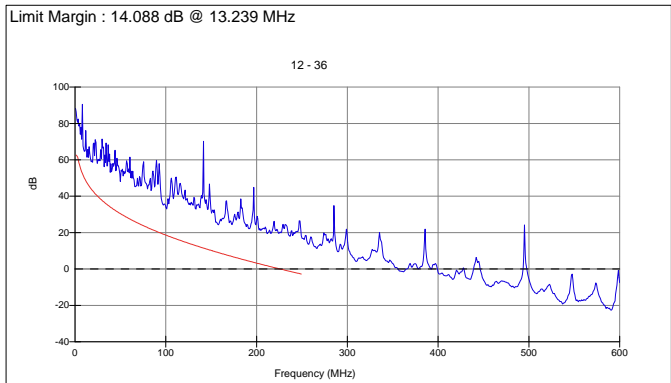
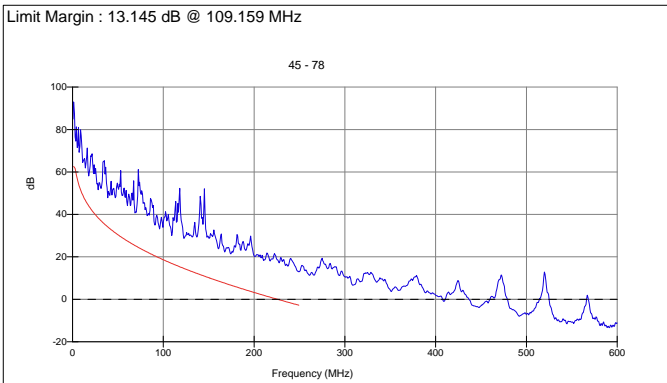
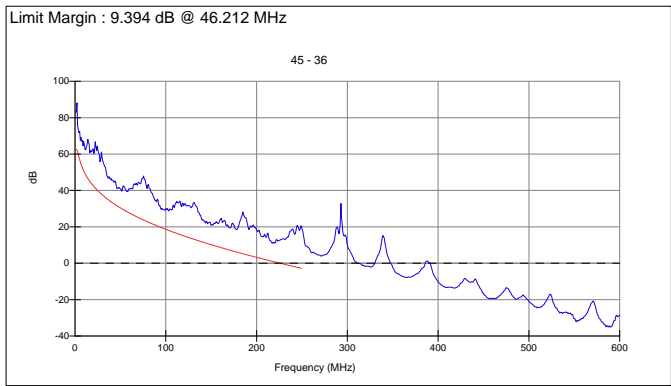
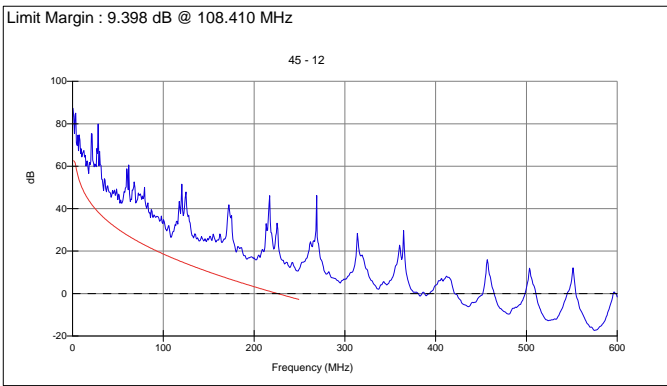
<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





ACR - Far End

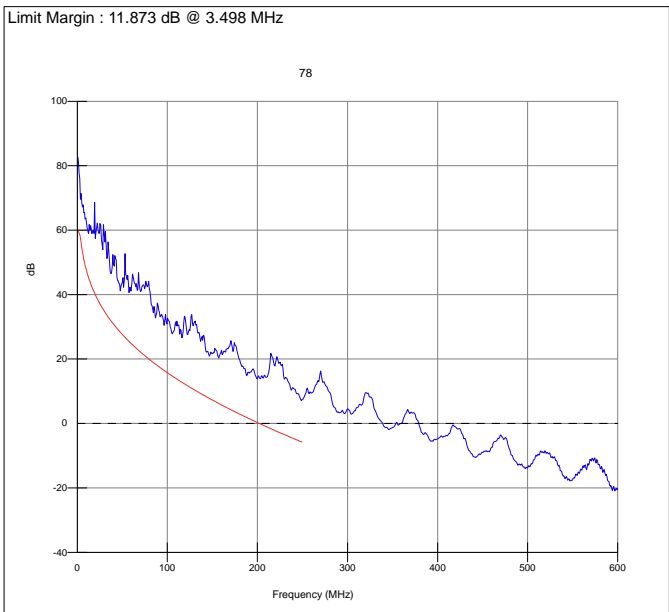
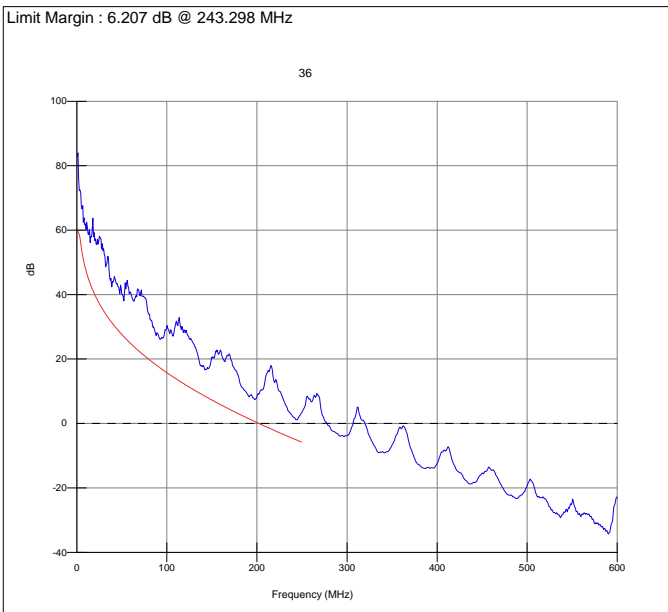
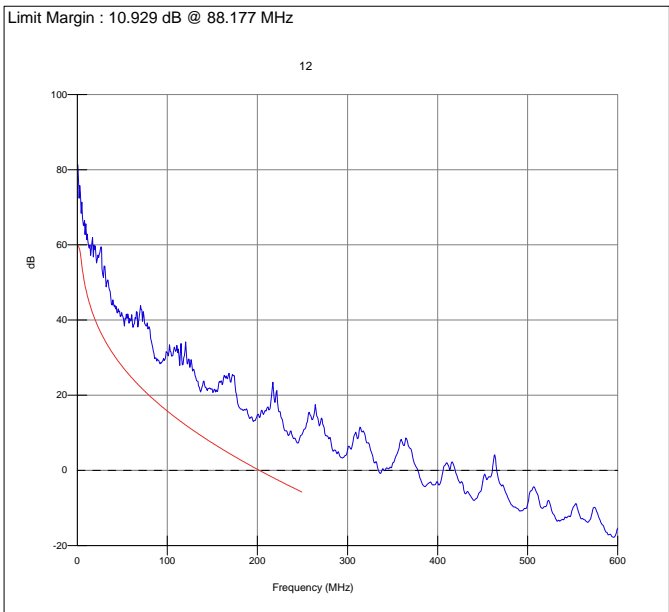
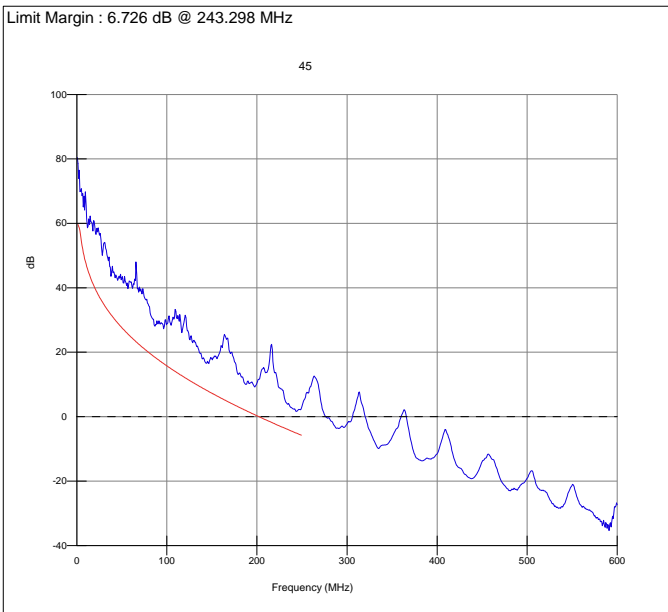
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<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





PSACR - Near End

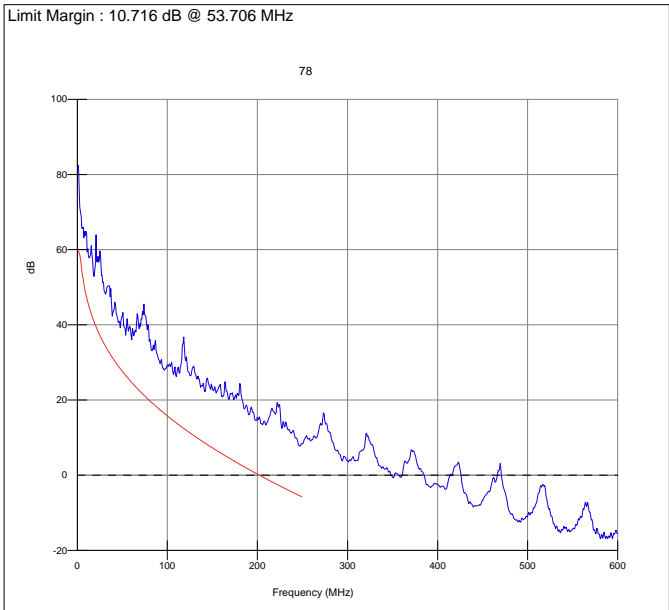
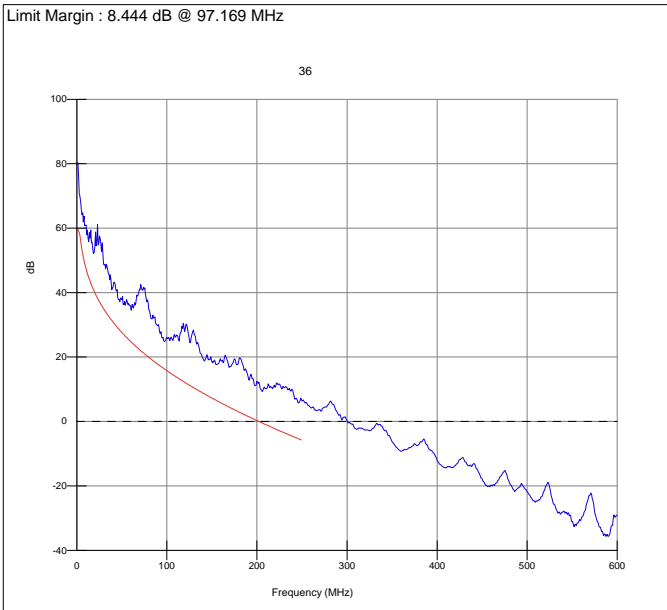
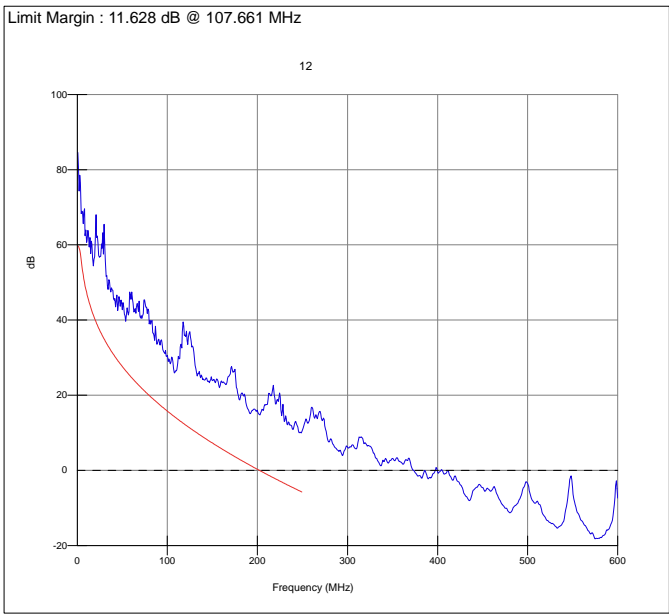
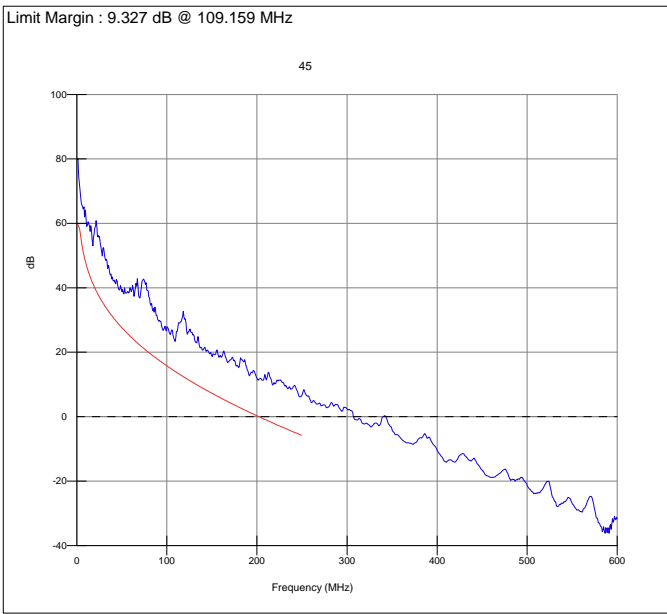
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<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





PSACR - Far End

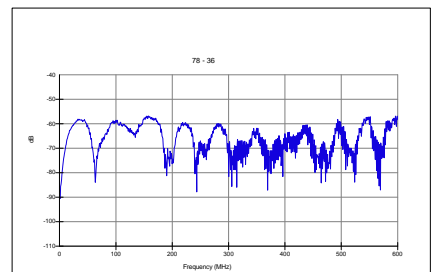
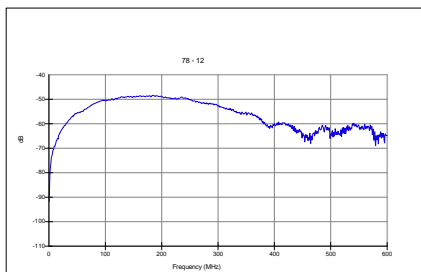
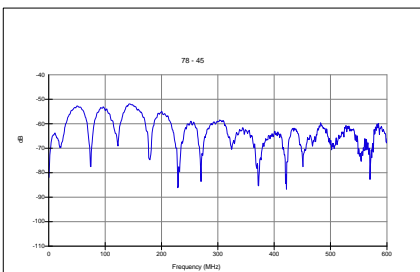
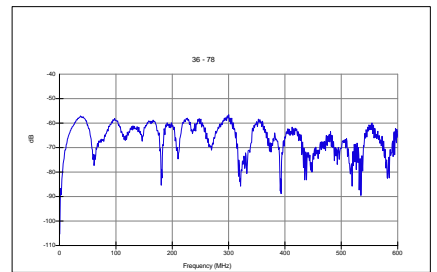
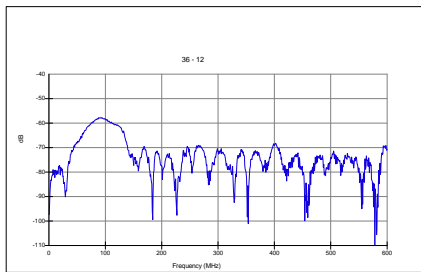
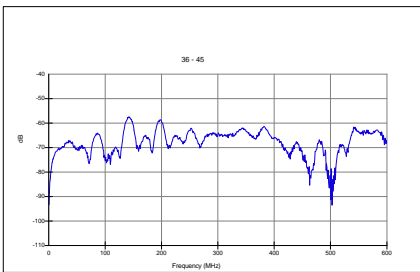
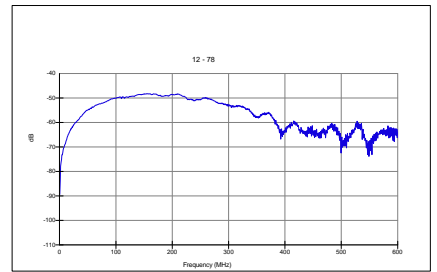
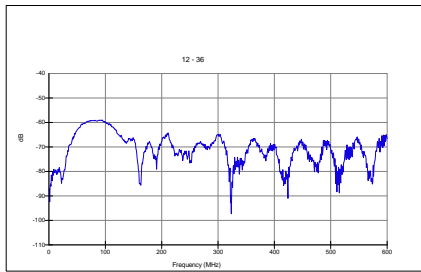
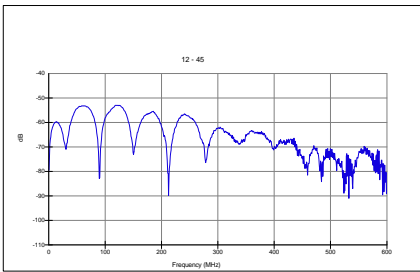
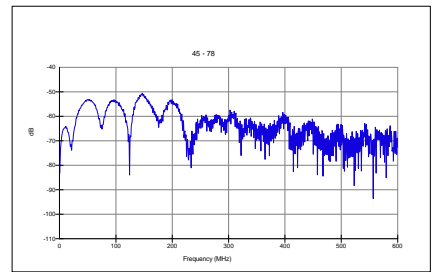
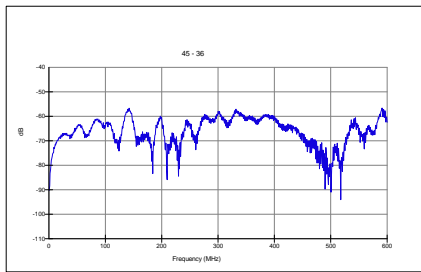
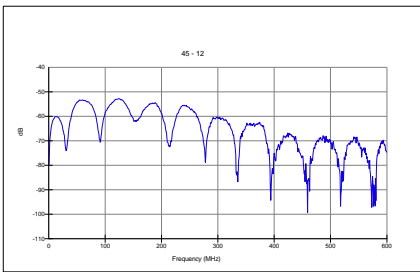
<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





FEXT - Near End

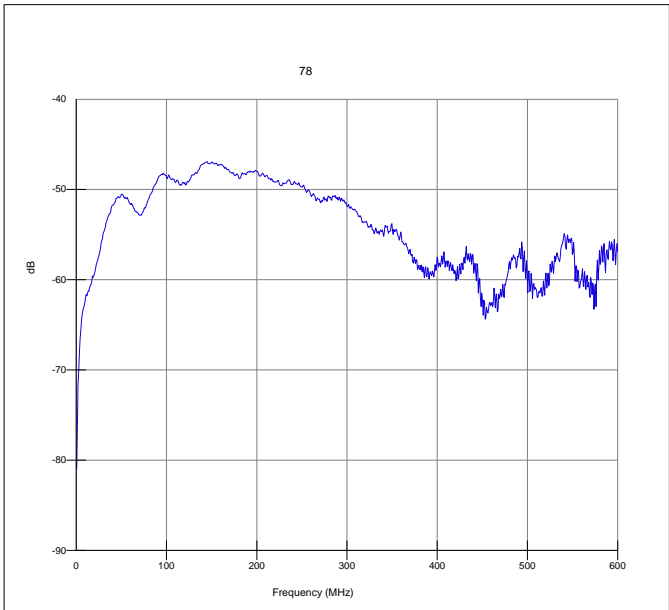
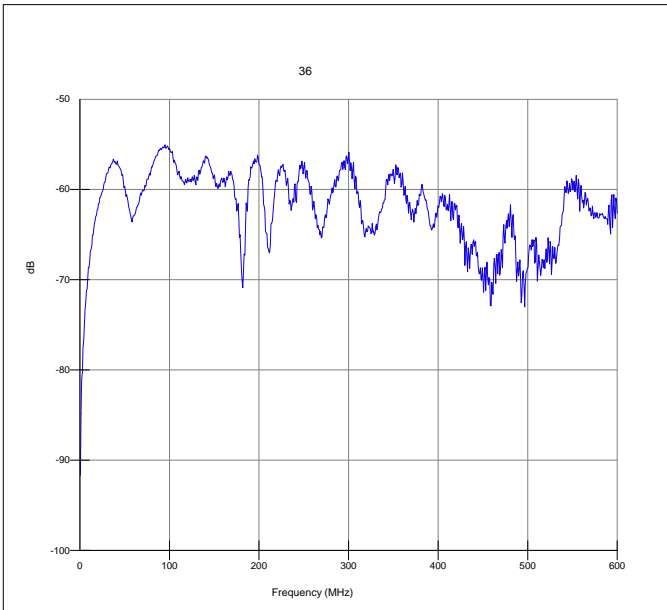
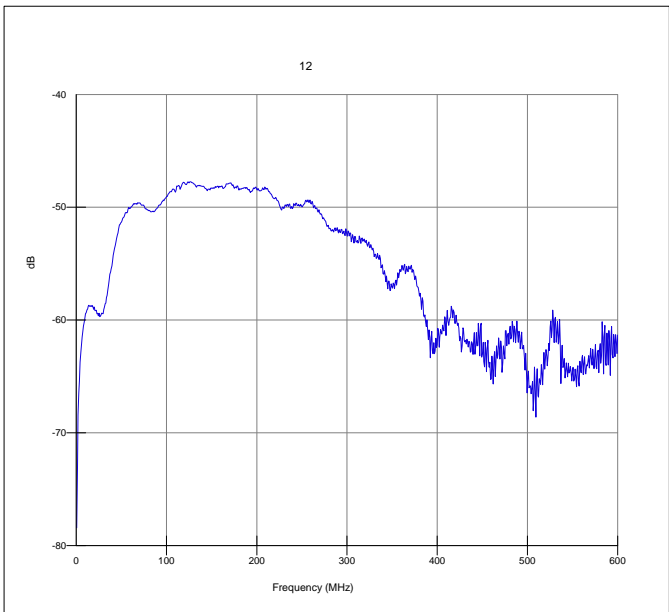
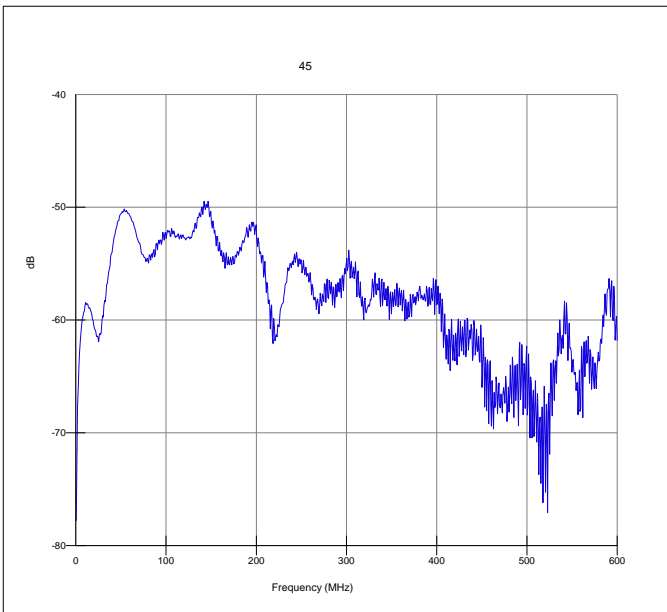
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<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





PSFEXT - Near End

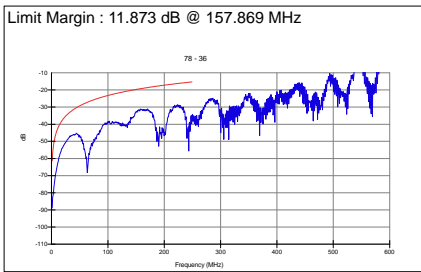
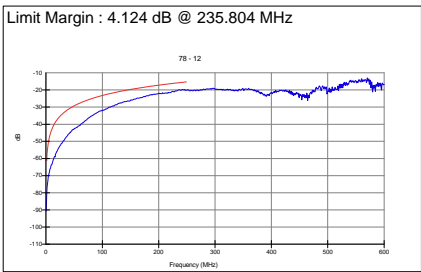
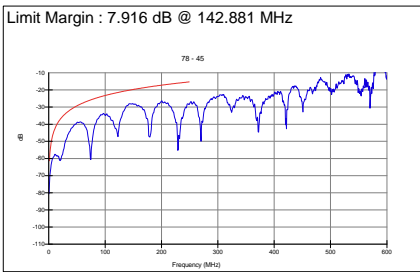
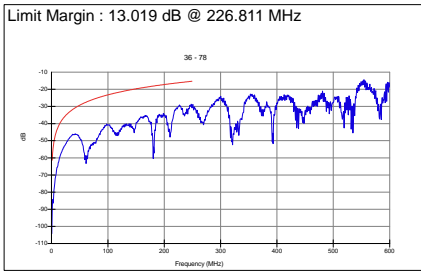
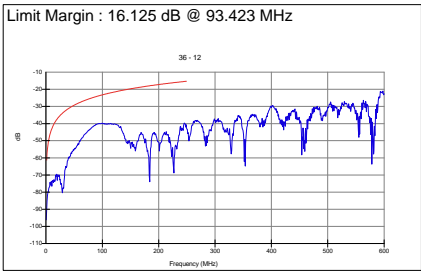
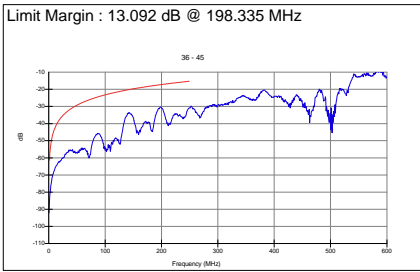
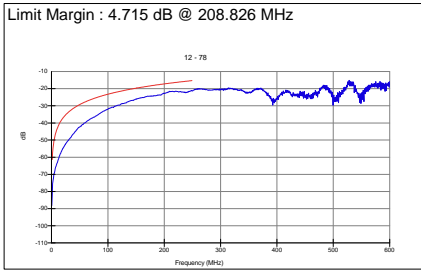
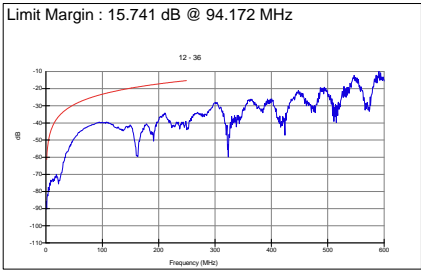
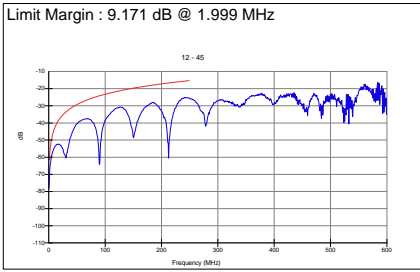
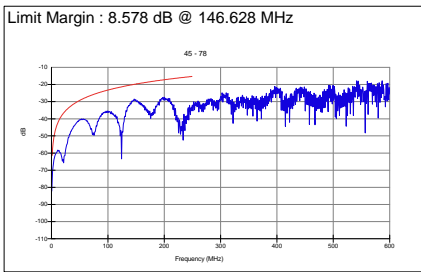
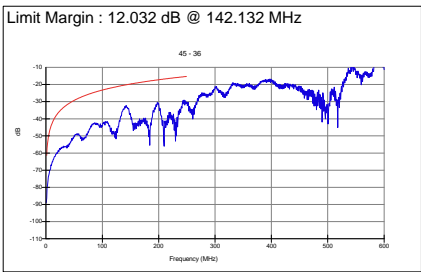
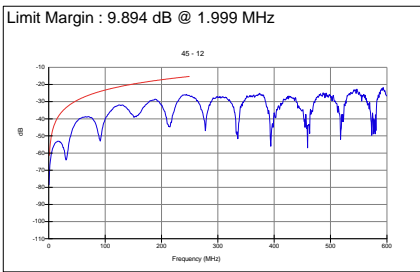
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<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





## ACRF (ELFEXT) - Near End

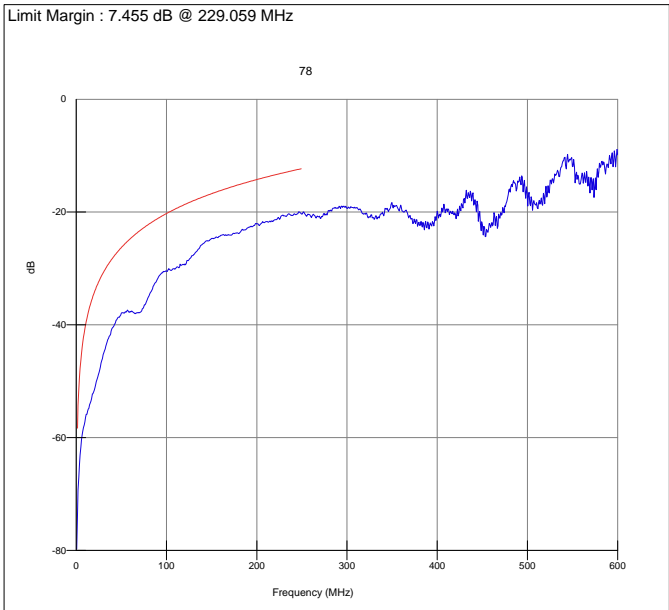
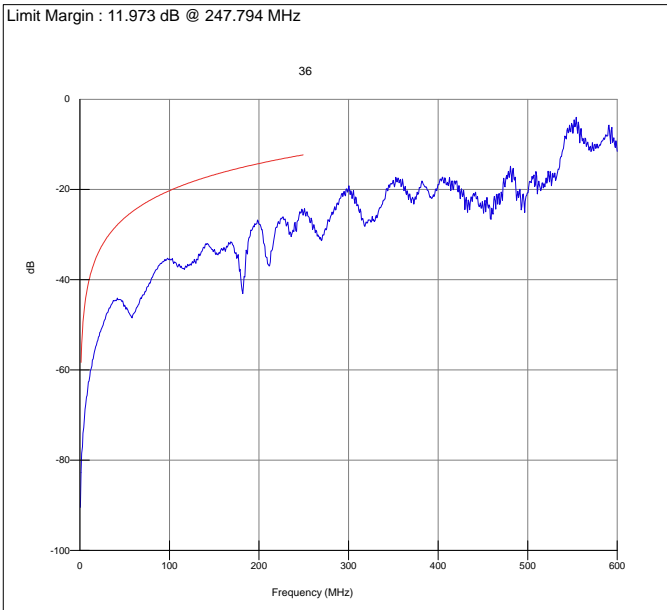
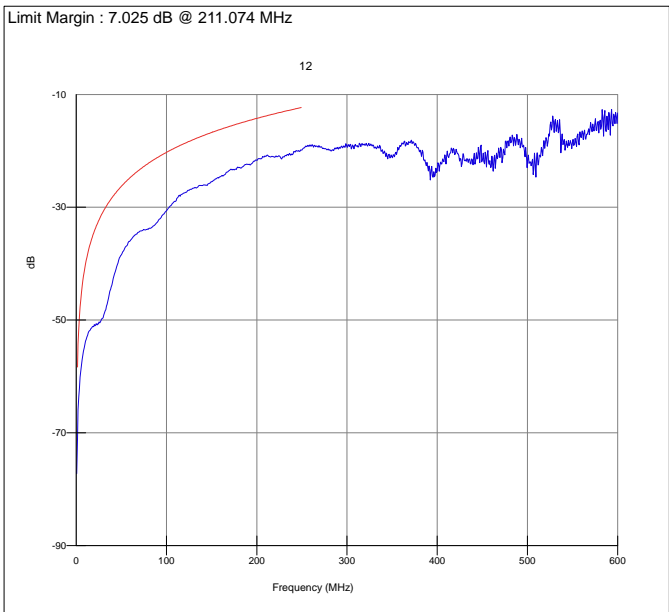
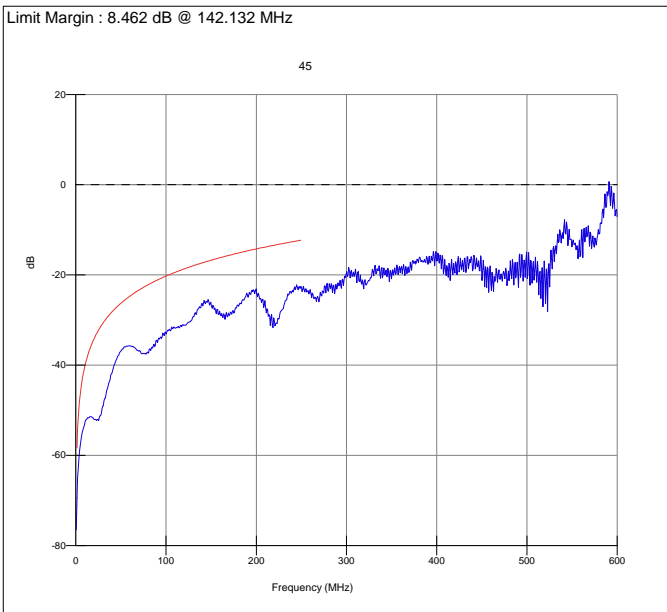
<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





PSACRF (PSELFEXT) - Near End

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		

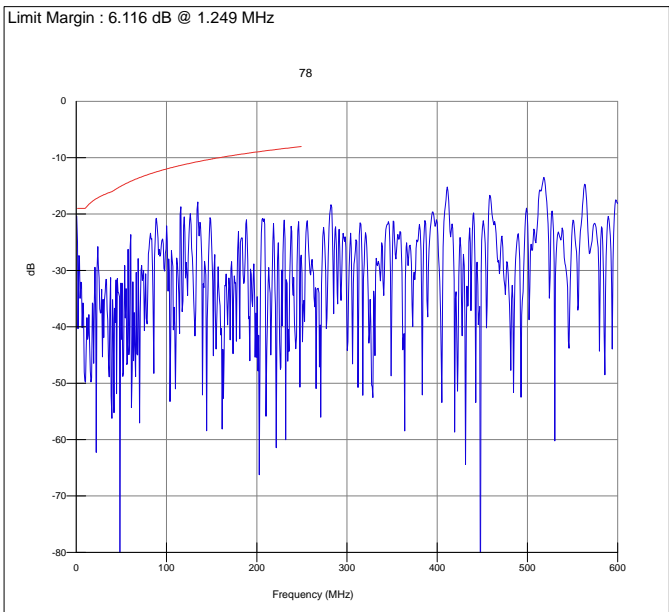
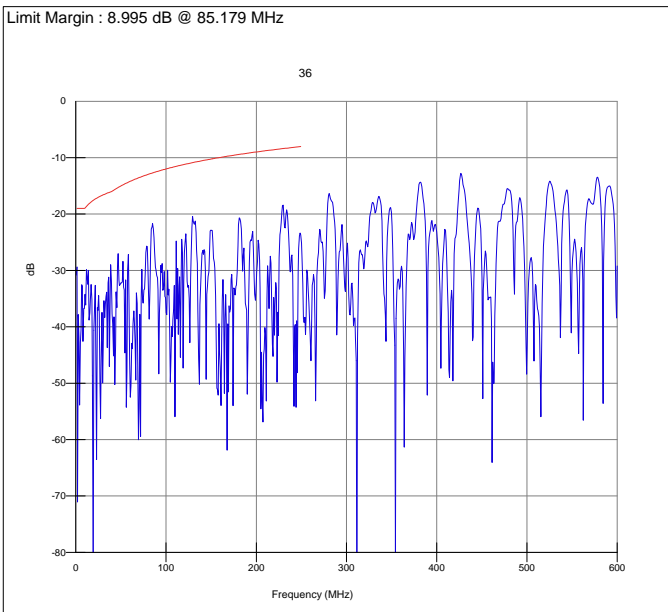
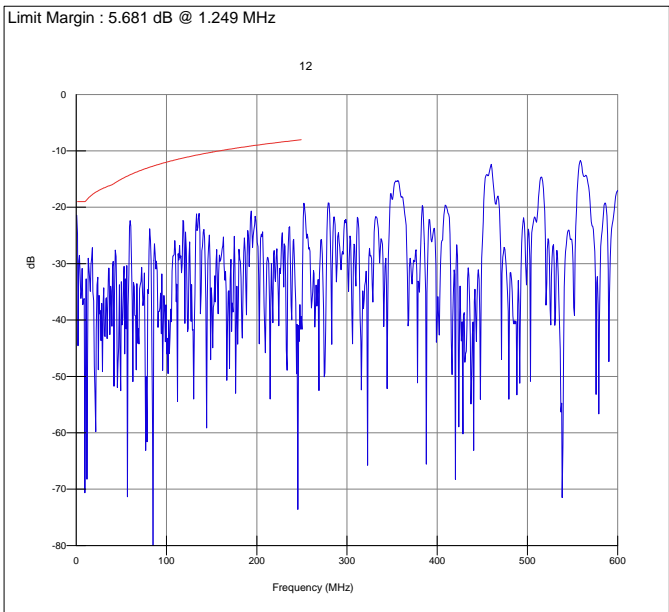
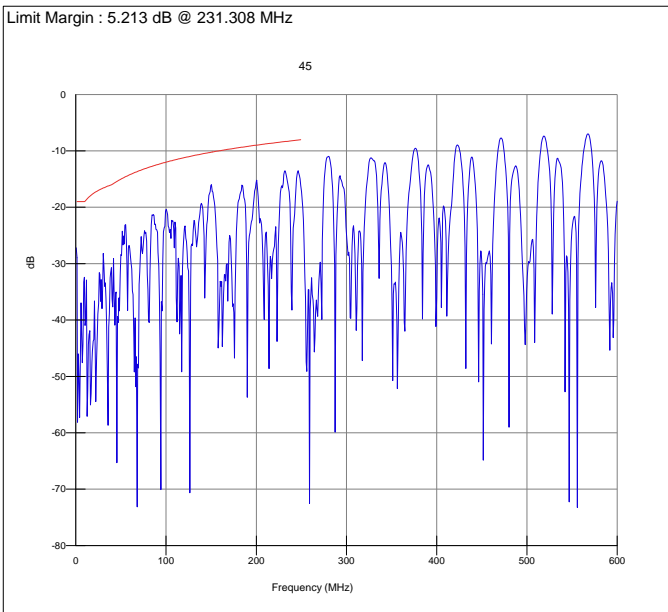






## Return Loss - Near End

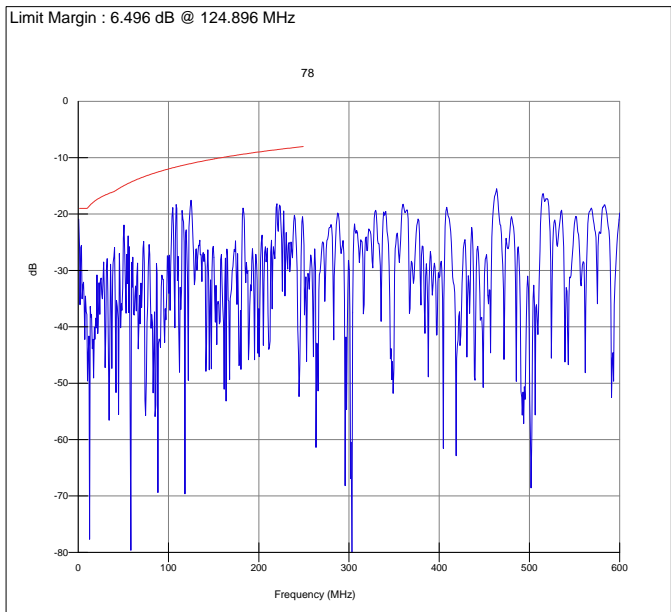
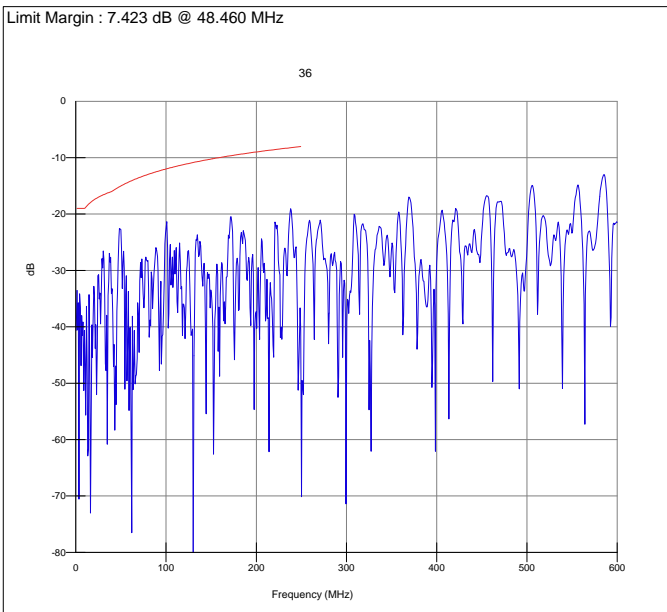
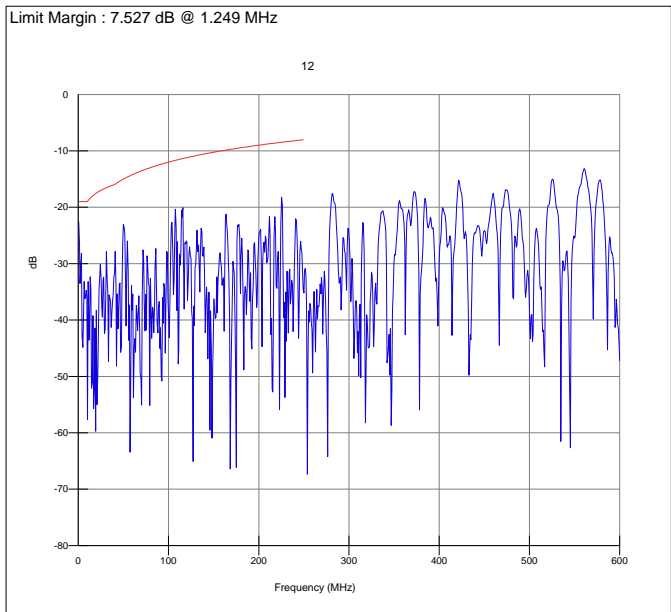
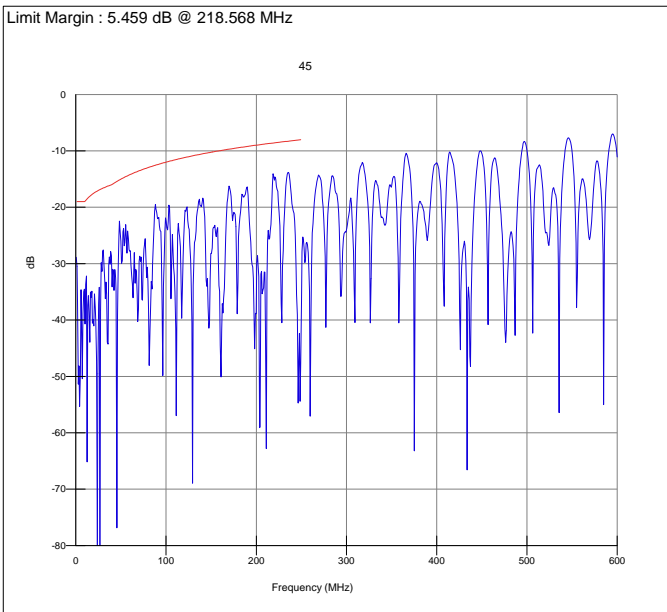
<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





## Return Loss - Far End

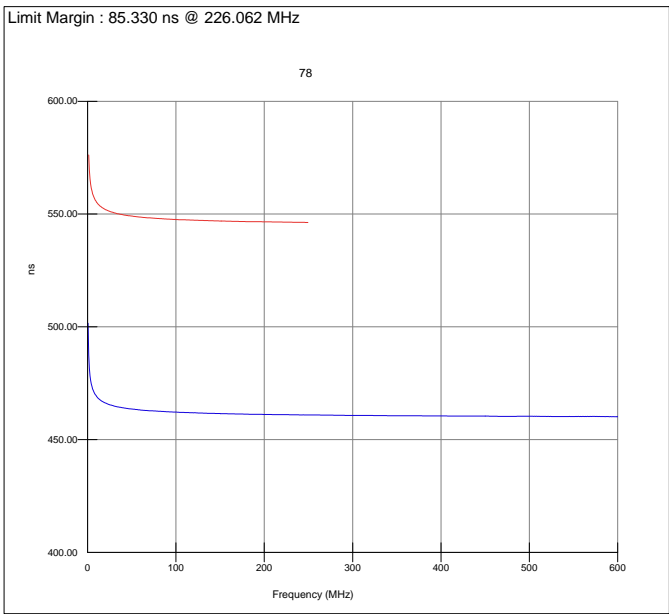
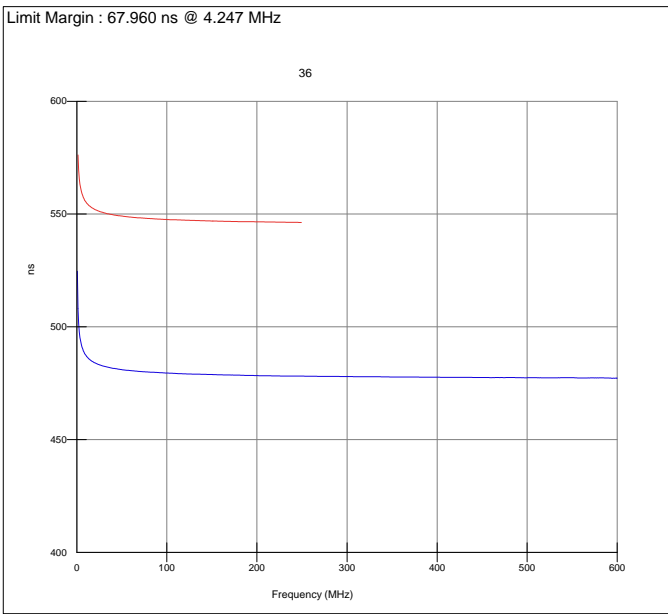
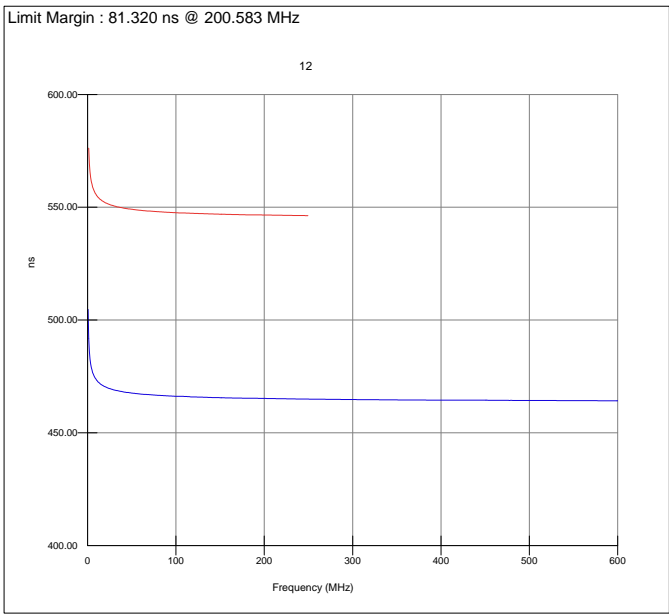
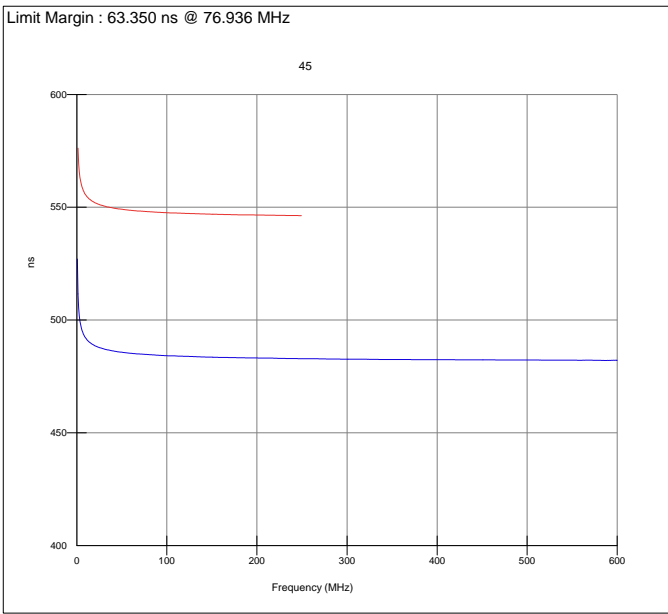
<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





## Propagation Delay - Near End

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		

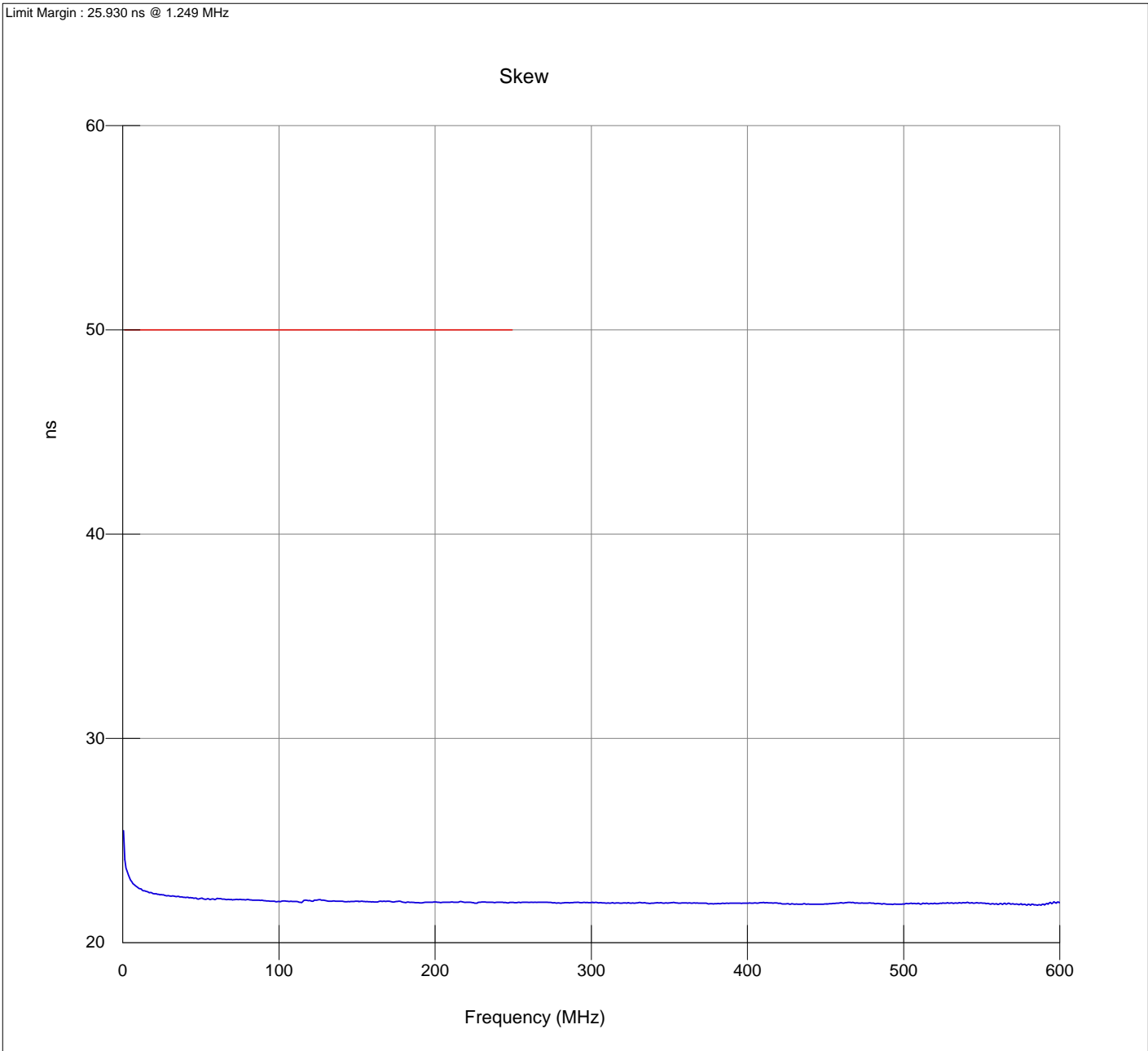




## Propagation Delay Skew - Near End

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel		
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Length(m)</b>	98.
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Temperature</b>	22 °C
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Appendix</b>	A
<b>Operator Name</b>	David Ayers	<b>Test Status</b>	Complies

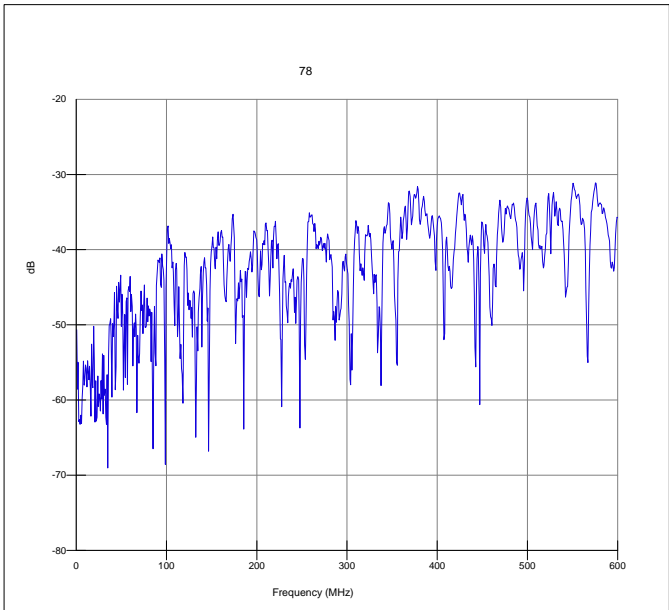
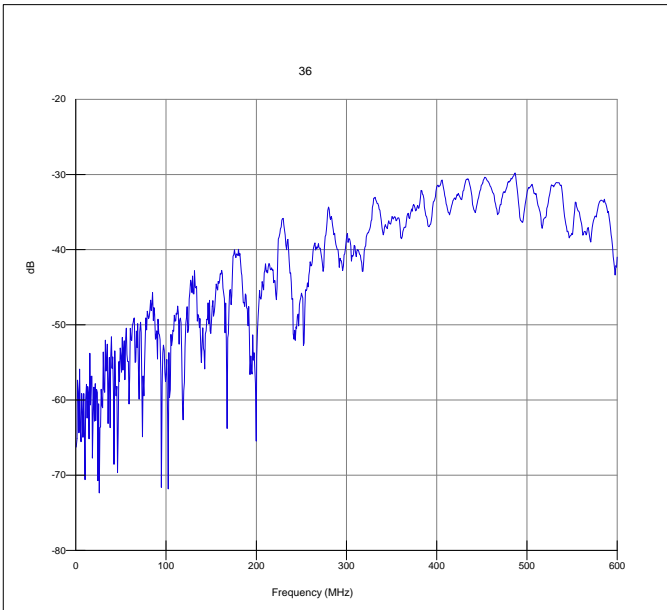
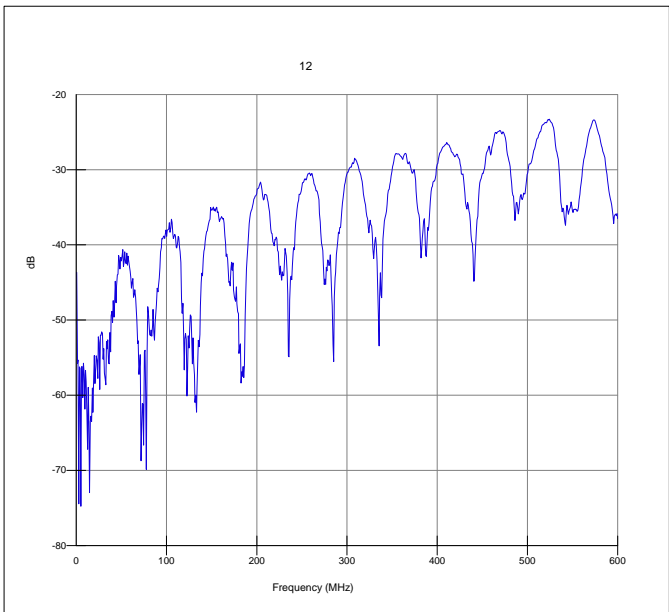
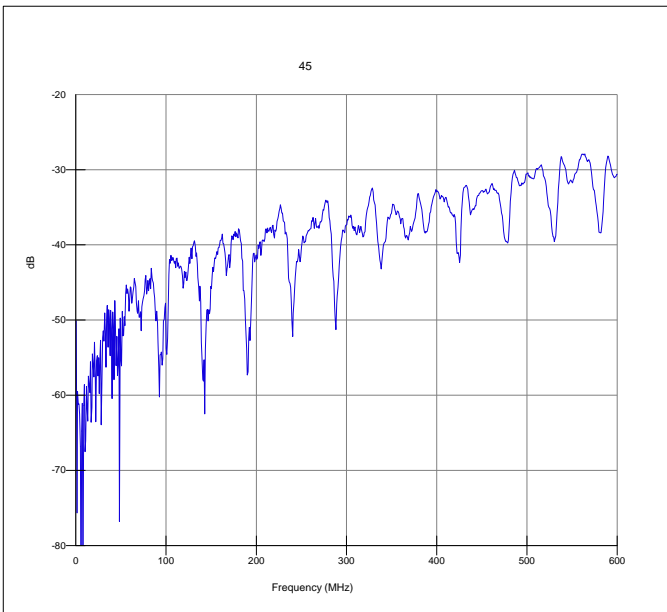
Limit Margin : 25.930 ns @ 1.249 MHz





TCL - Near End

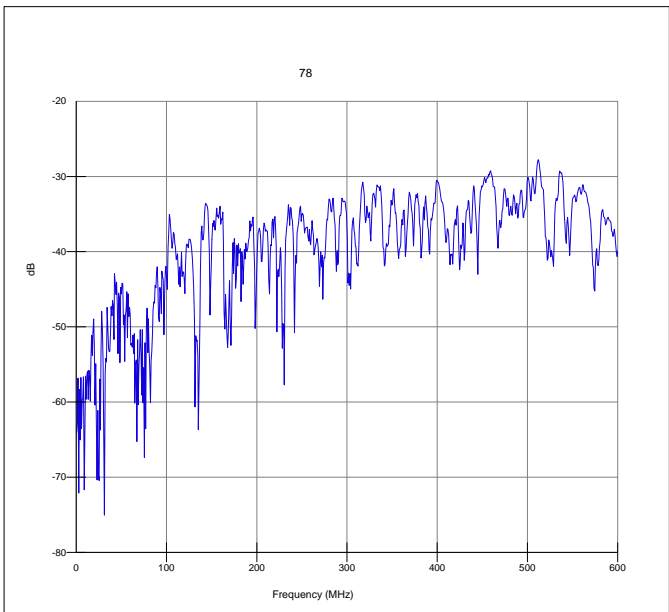
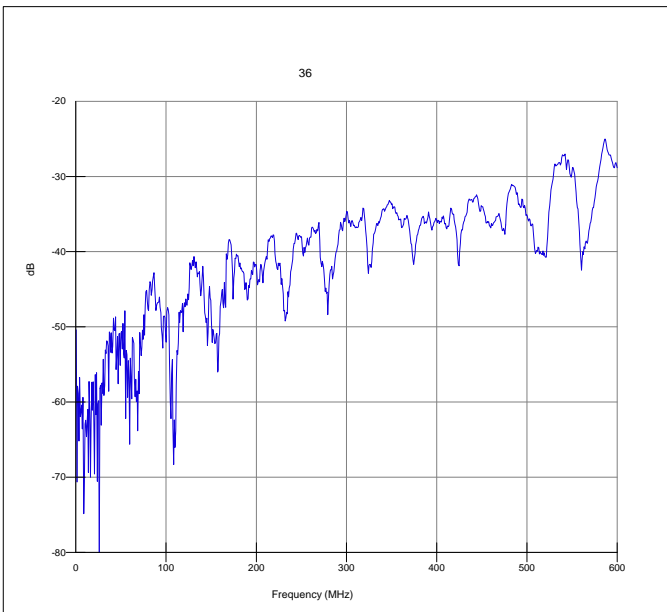
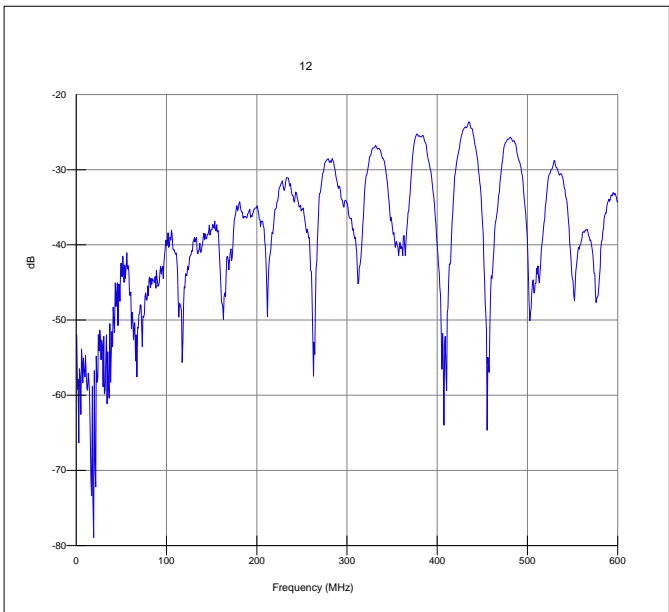
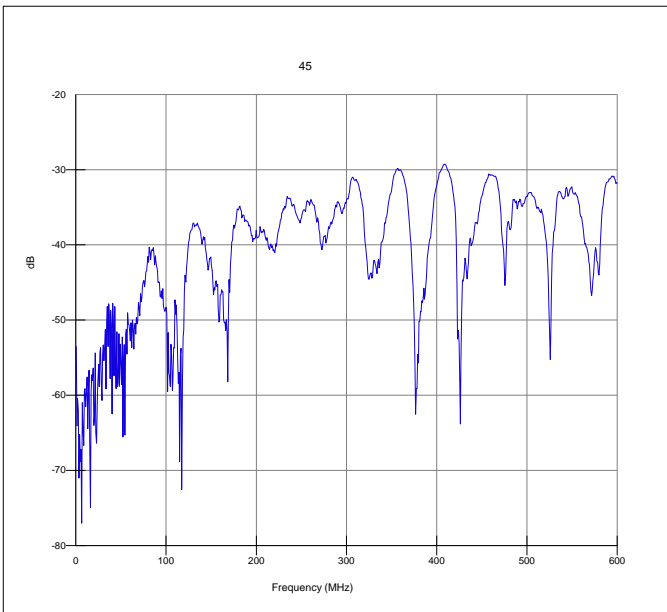
<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





TCL - Far End

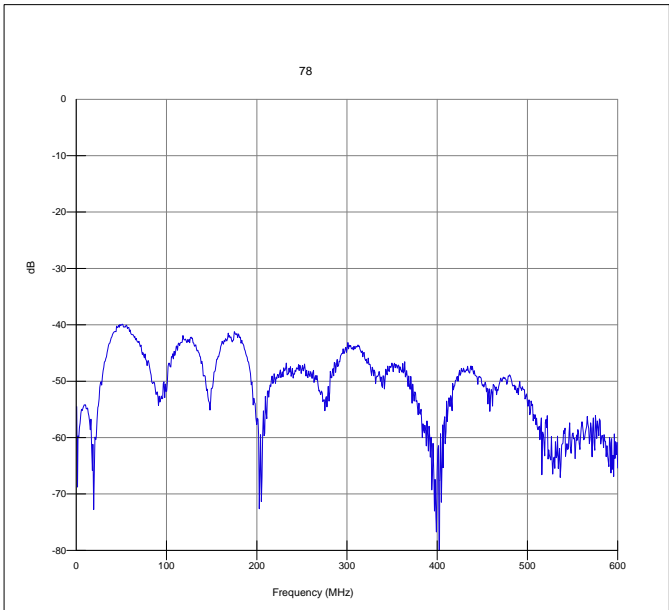
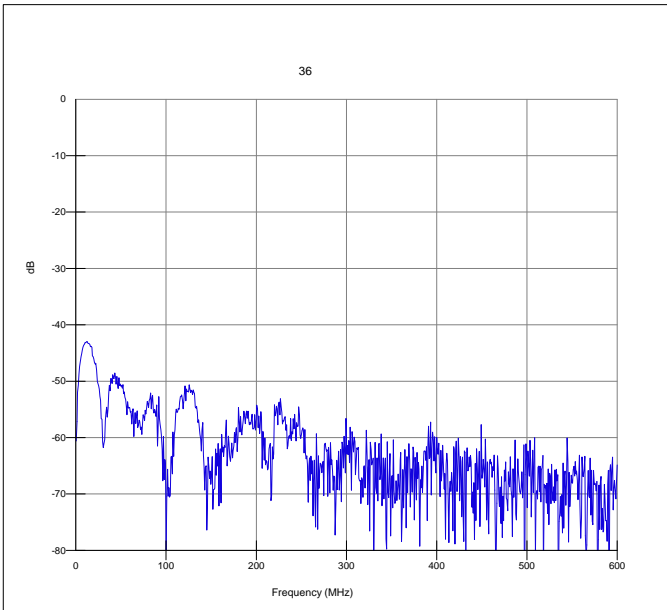
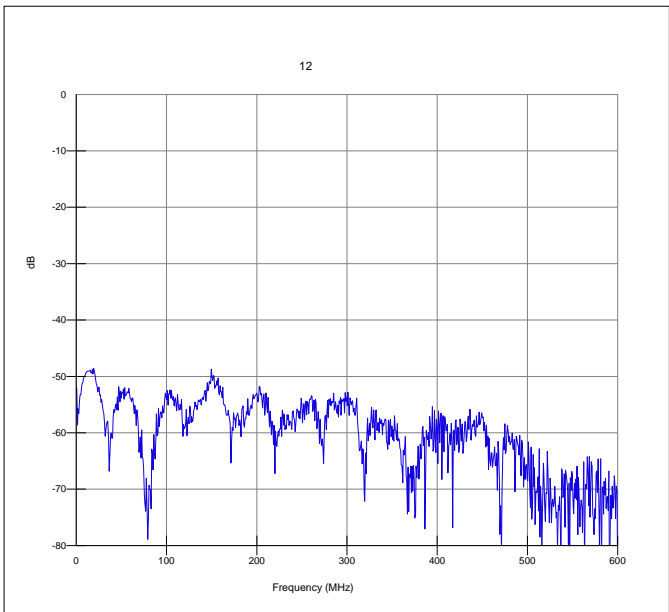
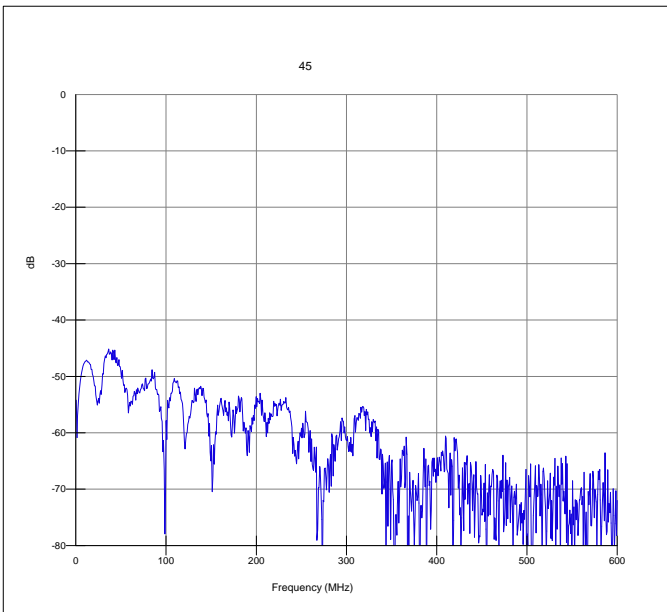
<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





TCTL - Near End

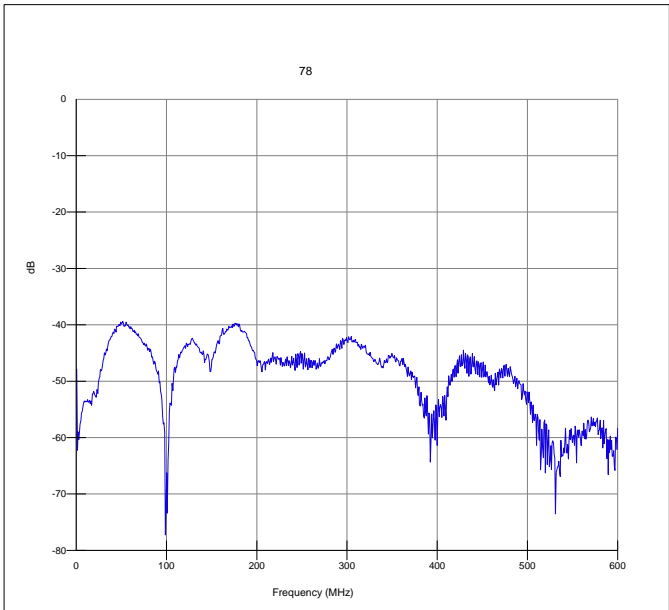
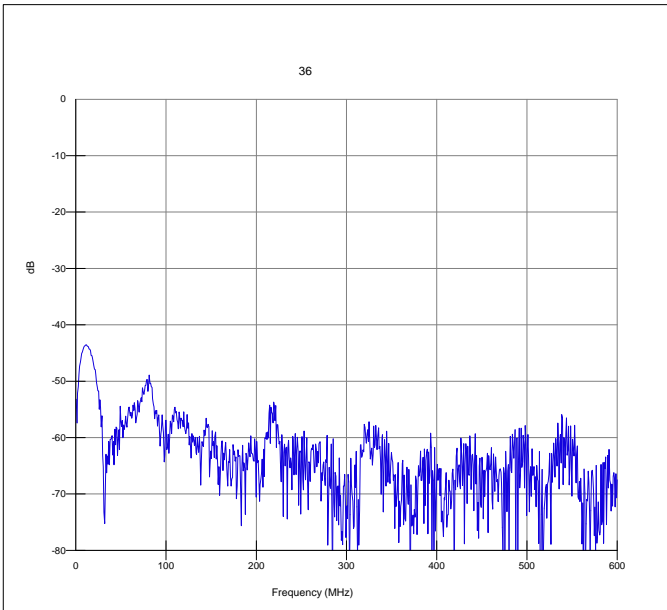
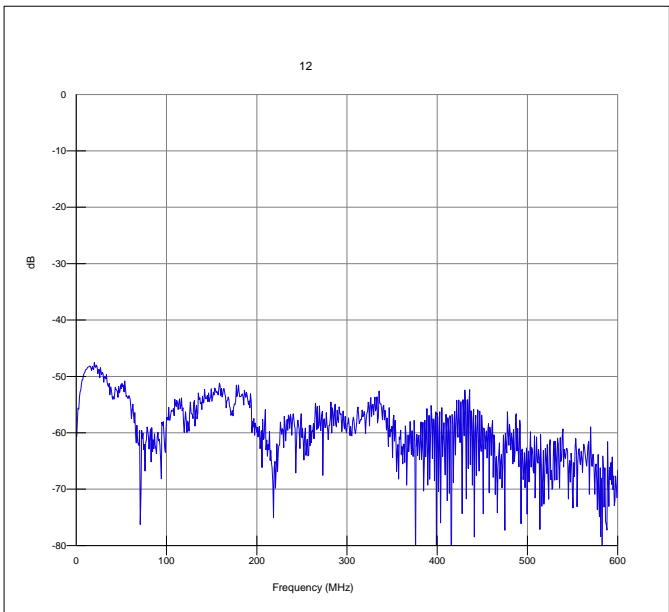
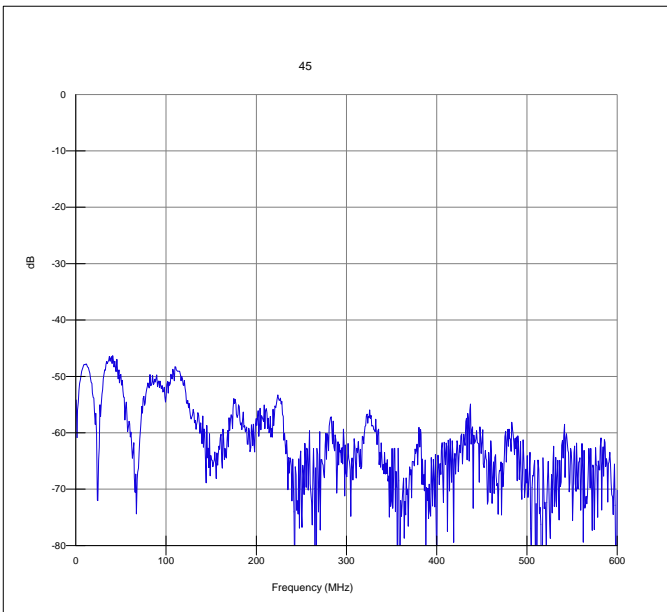
<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





TCTL - Far End

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		

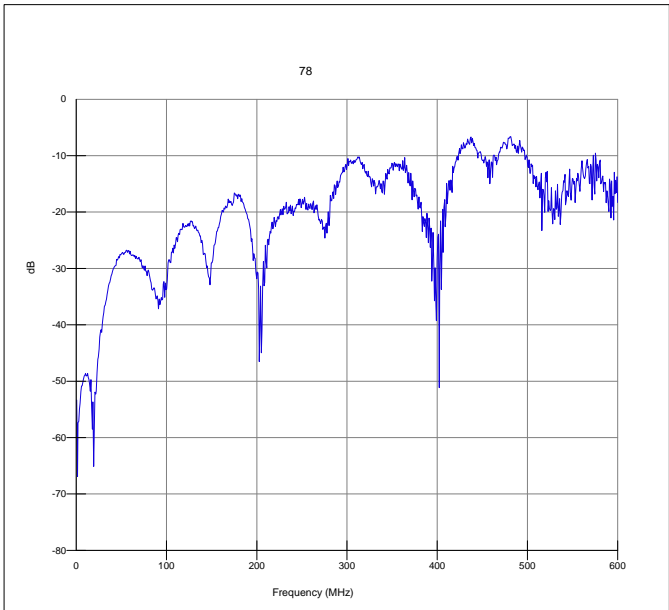
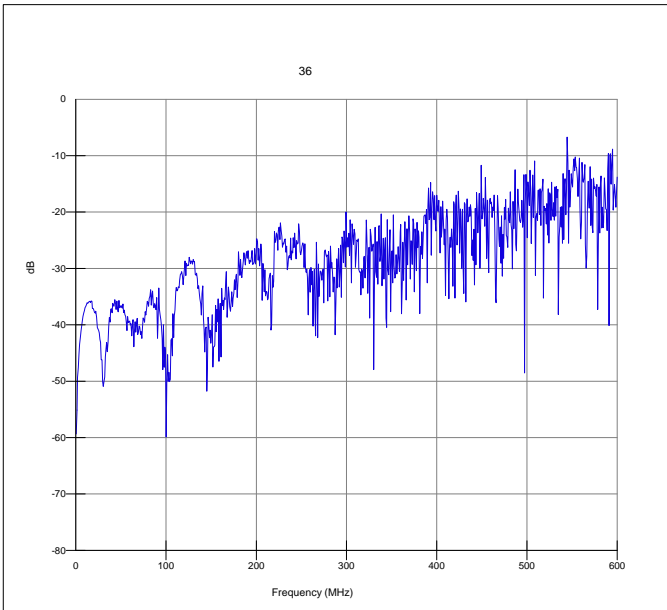
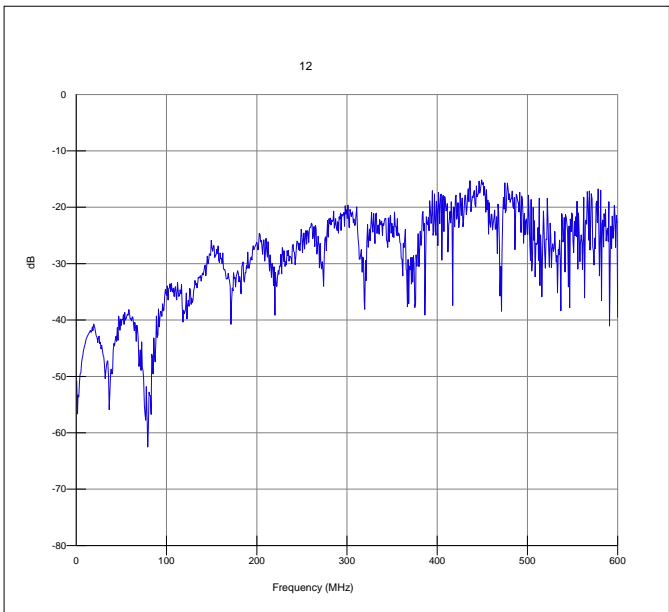
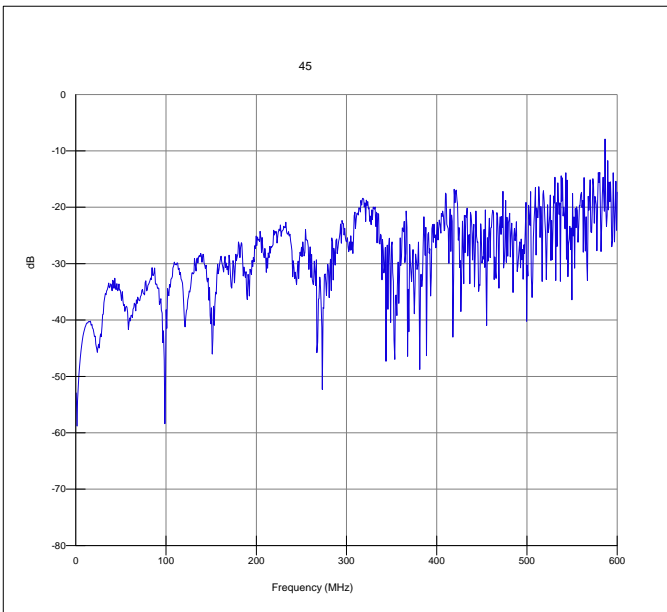






ELTCTL - Near End

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		





## ELTCTL - Far End

<b>Client</b>	Schneider Electric	<b>Report No</b>	102706991CRT-001
<b>Specification</b>	ANSI-TIA-568-C2 Cat 6 Channel	<b>Length(m)</b>	98.
<b>Part No</b>	ACT4P6ULS3RBWE_E	<b>Temperature</b>	22 °C
<b>Test Started</b>	8/20/2016 1:16:06 PM	<b>Appendix</b>	A
<b>Description</b>	4 Pr 23 AWG UTPSolid	<b>Test Status</b>	Complies
<b>Operator Name</b>	David Ayers		

