

November 11, 2016

Test report number 102797115CRT-001a
Project number 102750607-311

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 6A channel.

STANDARD USED:

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

SECTION:

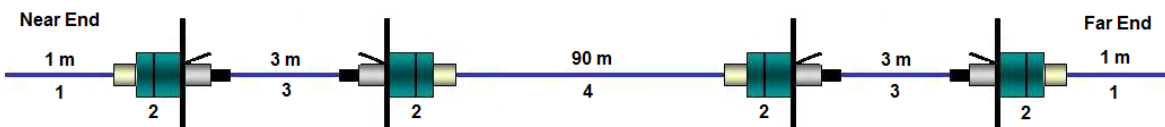
6.2: Channel transmission performance (6.2.1 to 6.2.26)

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-16-001253.

SAMPLE DESCRIPTION:

The client supplied a 4-connector channel as illustrated below. The samples were received on September 29, 2016, October 31, 2016 and November 7, 2016, and were production samples in undamaged condition.



Component Id	Manufacturer	Description	Part number
1	Schneider Electric	Patch Cord, 1 m	ACTPTG6ASBLS10BU
2	Schneider Electric	Patch Panel (Loaded) Keystone Jack	ACTPP6ATGS24NSS ACTRJSMTG6ANSSP
3	Schneider Electric	Patch Cord, 3 m	ACTPTG6ASBLS30BU
4	Schneider Electric	F/UTP, LSZH, Horizontal Cable	ACTTG4P6ASLS3RBU

**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	E355	6/7/2016	6/7/2017
Temperature humidity meter	OM-EL-USB-2-LCD	H243	2/9/2016	2/9/2017

DATE OF TEST:

November 10, 2016 through November 11, 2016

TEST REPORT REVISION HISTORY:

First Issue: November 11, 2016 Original Document

RESULTS: See appendixes A and B 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



Schneider Electric India Pvt. Ltd.,

Test report number 102797115CRT-001a
November 11, 2016

Appendix A
Internal test results

This appendix contains 39 pages.



Low Frequency Report

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

DC Resistance (Ohms)				
45	12	36	78	Limit (Ohms)
7.4977	7.8072	7.6272	7.5982	
7.5375	7.7993	7.7027	7.6463	

Resistance Unbalanced (%)				
45	12	36	78	Limit (%)
0.26	0.05	0.49	0.32	3.00

Resistance Unbalanced Pair-Pair (%)						
45 - 12	45 - 36	45 - 78	12 - 36	12 - 78	36 - 78	Limit (%)
1.86	0.97	0.69	0.90	1.17	0.28	

DC Loop Resistance (Ohms)				
45	12	36	78	Limit (Ohms)
15.0360	15.6040	15.3280	15.2470	25.0000



Insertion Loss

Client	Schneider Electric India	Report No	102797115CRT-001a
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Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

Insertion Loss (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-2.28	-1.86	-2.00	-1.91	-1.99
4.	-4.16	-3.49	-3.78	-3.58	-3.81
8.	-5.81	-4.86	-5.27	-4.99	-5.32
10.	-6.49	-5.42	-5.90	-5.57	-5.94
16.	-8.20	-6.85	-7.42	-7.04	-7.50
20.	-9.17	-7.68	-8.31	-7.90	-8.38
25.	-10.27	-8.62	-9.32	-8.85	-9.39
31.25	-11.50	-9.69	-10.45	-9.91	-10.53
62.5	-16.40	-13.73	-14.84	-14.13	-14.97
100.	-20.93	-17.66	-18.94	-18.00	-19.06
155.	-26.34	-22.34	-23.79	-22.55	-23.92
200.	-30.14	-25.34	-27.13	-25.93	-27.38
250.	-33.95	-28.40	-30.54	-29.43	-30.70
300.	-37.44	-31.20	-33.55	-32.04	-33.69
350.	-40.68	-33.88	-36.37	-35.47	-36.46
400.	-43.74	-36.85	-39.28	-37.43	-39.22
450.	-46.63	-38.59	-41.85	-40.40	-41.81
500.	-49.40	-41.18	-44.45	-42.47	-44.37



NEXT - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

NEXT - Near End (dB)							
Freq (MHz)	Limit	45 - 12	45 - 36	45 - 78	12 - 36	12 - 78	36 - 78
1.	-65.00	-91.47	-93.18	-95.38	-92.99	-104.51	-84.91
4.	-63.06	-84.69	-84.39	-83.62	-79.67	-86.61	-80.74
8.	-58.16	-85.11	-80.70	-81.31	-80.95	-84.34	-70.81
10.	-56.58	-84.14	-75.35	-83.01	-81.77	-82.32	-70.48
16.	-53.23	-78.70	-71.47	-94.99	-71.99	-84.72	-75.20
20.	-51.63	-72.80	-72.00	-86.23	-71.94	-85.76	-67.04
25.	-50.03	-75.06	-68.86	-72.61	-72.92	-82.54	-62.57
31.25	-48.42	-70.17	-67.53	-74.71	-67.65	-75.09	-57.85
62.5	-43.38	-72.08	-59.10	-64.36	-67.24	-68.20	-54.06
100.	-39.93	-63.47	-55.45	-62.32	-59.31	-71.40	-49.06
155.	-36.68	-57.13	-51.06	-64.53	-64.98	-57.46	-49.00
200.	-34.78	-60.59	-45.50	-54.16	-49.92	-68.22	-46.38
250.	-33.11	-53.55	-46.68	-54.49	-51.56	-69.28	-47.25
300.	-31.75	-59.44	-41.17	-58.07	-44.04	-54.56	-46.22
350.	-30.31	-45.35	-43.81	-47.23	-53.50	-51.53	-45.23
400.	-28.73	-55.04	-36.81	-54.34	-42.94	-48.25	-42.80
450.	-27.34	-47.52	-49.21	-51.33	-48.11	-47.01	-42.01
500.	-26.10	-42.61	-35.43	-52.29	-39.75	-43.01	-39.67



NEXT - Far End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

NEXT - Far End (dB)							
Freq (MHz)	Limit	45 - 12	45 - 36	45 - 78	12 - 36	12 - 78	36 - 78
1.	-65.00	-96.11	-95.17	-94.23	-105.11	-95.98	-85.47
4.	-63.06	-89.81	-85.41	-83.70	-83.44	-81.09	-77.53
8.	-58.16	-80.95	-84.78	-90.18	-84.31	-81.86	-70.02
10.	-56.58	-77.64	-83.96	-77.37	-84.29	-79.17	-72.01
16.	-53.23	-70.77	-97.56	-86.88	-76.93	-86.06	-75.52
20.	-51.63	-70.06	-76.14	-74.86	-80.15	-73.80	-69.03
25.	-50.03	-70.11	-74.40	-75.12	-74.20	-71.08	-61.08
31.25	-48.42	-74.80	-73.33	-68.20	-73.54	-66.66	-58.93
62.5	-43.38	-59.85	-58.54	-59.67	-61.30	-58.39	-53.66
100.	-39.93	-56.76	-58.38	-59.48	-58.96	-61.20	-50.72
155.	-36.68	-53.64	-50.03	-62.69	-52.46	-53.21	-46.45
200.	-34.78	-48.85	-42.90	-53.83	-50.96	-51.50	-45.99
250.	-33.11	-50.66	-45.14	-52.33	-51.39	-52.74	-45.20
300.	-31.75	-42.59	-40.04	-51.56	-46.27	-50.88	-45.27
350.	-30.31	-49.45	-44.62	-45.16	-53.47	-54.12	-41.85
400.	-28.73	-45.04	-37.68	-52.29	-47.37	-41.77	-42.26
450.	-27.34	-39.18	-51.67	-46.11	-43.75	-47.56	-40.39
500.	-26.10	-38.98	-35.20	-56.23	-45.41	-45.50	-40.01



PSNEXT - Near End

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Specification	ANSI-TIA-568-C2 Cat 6A Channel		
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Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

PSNEXT - Near End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-62.00	-87.83	-89.02	-83.43	-84.40
4.	-60.56	-79.37	-77.80	-76.41	-78.13
8.	-55.60	-77.20	-78.29	-69.98	-70.24
10.	-53.99	-73.96	-77.72	-69.01	-69.91
16.	-50.60	-70.51	-70.76	-67.61	-74.67
20.	-48.97	-68.91	-69.08	-64.81	-66.86
25.	-47.34	-66.65	-70.54	-61.33	-62.12
31.25	-45.71	-64.92	-65.22	-57.01	-57.65
62.5	-40.59	-57.73	-63.90	-52.70	-53.46
100.	-37.08	-54.02	-57.54	-47.84	-48.84
155.	-33.78	-49.94	-53.92	-46.82	-48.31
200.	-31.85	-44.82	-49.50	-42.12	-45.68
250.	-30.15	-45.30	-49.36	-43.23	-46.47
300.	-28.76	-41.02	-43.56	-38.55	-45.39
350.	-27.32	-40.47	-43.90	-41.18	-42.52
400.	-25.79	-36.67	-41.61	-35.06	-41.48
450.	-24.44	-44.31	-42.74	-40.43	-40.44
500.	-23.23	-34.59	-36.76	-33.00	-37.85



PSNEXT - Far End

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Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

PSNEXT - Far End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-62.00	-89.53	-92.68	-84.81	-84.49
4.	-60.56	-80.07	-78.47	-76.00	-75.21
8.	-55.60	-79.09	-77.38	-69.72	-69.70
10.	-53.99	-74.00	-74.69	-71.42	-70.25
16.	-50.60	-70.65	-69.40	-72.61	-74.82
20.	-48.97	-67.78	-68.16	-67.60	-67.00
25.	-47.34	-67.08	-66.60	-60.58	-60.44
31.25	-45.71	-66.34	-65.32	-58.62	-57.83
62.5	-40.59	-54.43	-54.86	-51.90	-51.61
100.	-37.08	-53.28	-53.80	-49.51	-49.85
155.	-33.78	-48.26	-48.29	-44.16	-45.53
200.	-31.85	-41.64	-45.51	-40.73	-44.38
250.	-30.15	-43.46	-46.73	-41.67	-43.83
300.	-28.76	-37.90	-40.61	-38.16	-43.47
350.	-27.32	-41.16	-47.02	-39.81	-40.01
400.	-25.79	-36.83	-39.35	-36.05	-38.80
450.	-24.44	-38.18	-37.43	-38.52	-38.75
500.	-23.23	-33.66	-37.36	-33.66	-38.85



ACR - Near End

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Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

ACR - Near End (dB)							
Freq (MHz)	Limit	45 - 12	45 - 36	45 - 78	12 - 36	12 - 78	36 - 78
1.	62.72	89.47	91.27	93.39	91.08	102.53	82.92
4.	58.90	80.91	80.81	79.81	76.09	82.80	76.94
8.	52.35	79.84	75.71	75.99	75.96	79.03	65.49
10.	50.09	78.24	69.78	77.08	76.20	76.39	64.54
16.	45.03	71.28	64.43	87.49	64.95	77.22	67.70
20.	42.46	64.49	64.10	77.85	64.04	77.38	58.66
25.	39.76	65.74	60.02	63.21	64.07	73.14	53.18
31.25	36.92	59.71	57.62	64.18	57.74	64.56	47.32
62.5	26.98	57.25	44.97	49.39	53.11	53.22	39.09
100.	18.99	44.53	37.45	43.26	41.31	52.34	30.00
155.	10.34	33.35	28.51	40.61	42.43	33.54	25.08
200.	4.64	33.46	19.56	26.78	23.99	40.84	19.00
250.	-0.84	23.01	17.25	23.79	22.13	38.59	16.55
300.	-5.69	25.89	9.13	24.38	12.00	20.87	12.53
350.	-10.38	8.98	8.33	10.77	18.03	15.08	8.77
400.	-15.00	15.76	-0.62	15.12	5.51	9.02	3.57
450.	-19.29	5.67	8.81	9.51	7.71	5.20	0.19
500.	-23.30	-1.84	-7.04	7.92	-2.72	-1.36	-4.71



ACR - Far End

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Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

ACR - Far End (dB)							
Freq (MHz)	Limit	45 - 12	45 - 36	45 - 78	12 - 36	12 - 78	36 - 78
1.	62.72	94.11	93.21	92.24	103.15	93.99	83.48
4.	58.90	86.03	81.78	79.90	79.81	77.28	73.73
8.	52.35	75.68	79.76	84.86	79.28	76.54	64.70
10.	50.09	71.75	78.36	71.43	78.69	73.23	66.08
16.	45.03	63.34	90.49	79.38	69.86	78.56	68.02
20.	42.46	61.74	68.24	66.48	72.25	65.41	60.65
25.	39.76	60.80	65.55	65.72	65.35	61.69	51.69
31.25	36.92	64.37	63.43	57.68	63.64	56.14	48.41
62.5	26.98	44.99	44.47	44.66	47.24	43.38	38.65
100.	18.99	37.85	40.39	40.44	40.97	42.15	31.68
155.	10.34	29.88	27.45	38.76	29.89	29.28	22.52
200.	4.64	21.70	16.92	26.49	24.98	24.16	18.65
250.	-0.84	20.10	15.77	21.62	22.01	22.03	14.49
300.	-5.69	9.06	7.97	17.86	14.20	17.18	11.57
350.	-10.38	13.05	9.11	8.68	17.96	17.64	5.37
400.	-15.00	5.71	0.24	13.07	9.93	2.54	3.03
450.	-19.29	-2.65	11.24	4.20	3.32	5.66	-1.51
500.	-23.30	-5.58	-7.30	11.77	2.91	1.04	-4.45



PSACR - Near End

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Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

PSACR - Near End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	59.72	85.97	87.01	81.52	82.41
4.	56.41	75.88	74.02	72.83	74.33
8.	49.78	72.34	73.02	64.99	64.92
10.	47.51	68.54	71.82	63.44	63.98
16.	42.40	63.65	63.34	60.57	67.17
20.	39.80	61.22	60.77	56.91	58.48
25.	37.08	58.04	61.22	52.49	52.72
31.25	34.21	55.22	54.77	47.10	47.11
62.5	24.18	43.99	49.06	38.57	38.48
100.	16.15	36.36	38.60	29.84	29.78
155.	7.44	27.60	30.14	24.27	24.39
200.	1.71	19.48	22.37	16.18	18.30
250.	-3.80	16.90	18.82	13.81	15.77
300.	-8.67	9.82	10.01	6.51	11.70
350.	-13.36	6.59	7.52	5.71	6.06
400.	-17.94	-0.19	2.32	-2.37	2.25
450.	-22.19	5.72	0.89	0.03	-1.37
500.	-26.17	-6.59	-7.69	-9.46	-6.52



PSACR - Far End

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Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

PSACR - Far End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	59.72	87.67	90.68	82.85	82.50
4.	56.41	76.58	74.69	72.37	71.40
8.	49.78	74.23	72.11	64.70	64.38
10.	47.51	68.58	68.80	65.82	64.31
16.	42.40	63.79	61.98	65.54	67.32
20.	39.80	60.10	59.84	59.69	58.61
25.	37.08	58.47	57.29	51.73	51.05
31.25	34.21	56.67	54.89	48.72	47.31
62.5	24.18	40.70	40.00	37.84	36.60
100.	16.15	35.62	34.88	31.51	30.80
155.	7.44	25.85	24.53	21.59	21.60
200.	1.71	16.37	18.35	14.75	17.04
250.	-3.80	15.09	16.18	12.29	13.12
300.	-8.67	6.70	7.08	6.08	9.77
350.	-13.36	7.25	10.63	4.30	3.54
400.	-17.94	-0.09	0.01	-1.39	-0.43
450.	-22.19	-0.42	-4.39	-1.90	-3.15
500.	-26.17	-7.85	-7.20	-8.84	-5.61



FEXT - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
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Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	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.	-82.79	-86.72	-88.91	-82.67	-92.11	-88.71	-86.15	-92.70	-80.88	-90.02	-91.98	-80.34
4.	-73.66	-78.10	-81.44	-72.64	-82.88	-80.44	-78.48	-82.97	-71.45	-81.16	-80.94	-71.25
8.	-70.41	-74.81	-78.49	-70.75	-79.74	-77.33	-76.93	-80.15	-67.39	-79.34	-76.18	-67.99
10.	-70.44	-74.25	-79.74	-69.86	-79.35	-74.65	-74.61	-81.17	-66.54	-77.80	-74.68	-66.78
16.	-76.35	-74.84	-82.64	-74.09	-80.67	-72.71	-73.18	-78.87	-66.38	-83.42	-72.40	-66.15
20.	-76.71	-71.35	-81.50	-72.77	-83.06	-70.82	-72.58	-76.58	-67.27	-79.47	-71.52	-66.60
25.	-68.16	-70.21	-73.98	-66.94	-82.24	-71.02	-73.92	-77.57	-70.01	-73.29	-70.50	-70.14
31.25	-62.53	-75.93	-70.06	-62.32	-82.66	-69.86	-78.50	-84.88	-78.73	-69.51	-69.80	-73.57
62.5	-66.26	-65.58	-67.91	-64.85	-72.54	-69.02	-68.14	-68.22	-63.35	-70.28	-69.52	-61.12
100.	-66.04	-65.82	-68.76	-65.49	-80.39	-69.56	-66.91	-68.64	-73.85	-68.13	-70.81	-72.58
155.	-61.34	-57.51	-69.91	-59.87	-75.54	-74.58	-58.13	-77.60	-81.93	-74.25	-73.99	-96.99
200.	-69.43	-71.05	-72.54	-67.17	-70.88	-76.93	-67.60	-72.68	-69.38	-97.87	-77.33	-66.51
250.	-73.15	-64.49	-70.79	-70.08	-75.45	-80.12	-64.25	-76.86	-65.21	-72.00	-76.94	-64.54
300.	-70.51	-71.13	-79.30	-68.01	-79.83	-85.96	-75.66	-89.33	-71.66	-83.28	-76.59	-75.91
350.	-80.09	-70.69	-73.07	-74.71	-73.27	-74.45	-74.73	-78.27	-91.26	-75.58	-76.67	-78.60
400.	-83.52	-68.65	-90.23	-87.47	-80.26	-86.51	-74.47	-89.04	-84.87	-77.76	-81.05	-88.68
450.	-79.40	-69.39	-86.22	-86.48	-72.90	-77.55	-70.76	-70.65	-91.13	-79.39	-77.99	-83.73
500.	-81.46	-73.65	-80.92	-78.74	-80.79	-83.30	-79.47	-80.00	-83.86	-81.55	-75.42	-81.34



ACRF (ELFEXT) - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	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.	-63.00	-80.79	-84.80	-86.92	-80.81	-90.20	-86.72	-84.29	-90.70	-78.89	-88.16	-89.98	-78.43
4.	-51.24	-69.88	-74.52	-77.64	-69.15	-79.30	-76.64	-74.99	-79.19	-67.64	-77.67	-77.16	-67.67
8.	-45.20	-65.14	-69.82	-73.17	-65.90	-74.75	-72.01	-72.07	-74.88	-62.07	-74.49	-70.91	-63.00
10.	-43.26	-64.54	-68.68	-73.81	-64.44	-73.78	-68.72	-69.19	-75.28	-60.60	-72.38	-68.79	-61.21
16.	-39.18	-68.93	-67.80	-75.14	-67.24	-73.63	-65.21	-66.33	-71.45	-58.88	-76.57	-64.98	-59.11
20.	-37.24	-68.39	-63.46	-73.12	-65.09	-75.16	-62.44	-64.89	-68.27	-58.89	-71.78	-63.20	-58.70
25.	-35.30	-58.84	-61.37	-64.59	-58.32	-73.39	-61.63	-65.30	-68.25	-60.62	-64.67	-61.18	-61.29
31.25	-33.36	-52.08	-66.02	-59.52	-52.62	-72.76	-59.32	-68.80	-74.43	-68.20	-59.81	-59.35	-63.66
62.5	-27.34	-51.43	-51.45	-52.93	-51.12	-58.41	-54.05	-54.41	-53.38	-48.38	-56.55	-54.69	-46.99
100.	-23.26	-47.09	-47.82	-49.69	-47.84	-62.39	-50.50	-49.25	-49.70	-54.79	-50.47	-51.87	-54.58
155.	-19.45	-37.55	-34.96	-45.99	-37.54	-52.99	-50.66	-35.79	-53.82	-58.00	-51.91	-50.21	-74.44
200.	-17.24	-42.31	-45.11	-45.16	-41.84	-44.95	-49.55	-42.27	-45.55	-42.00	-72.53	-50.20	-40.58
250.	-15.30	-42.61	-35.06	-40.10	-41.69	-46.02	-49.42	-35.85	-46.32	-34.51	-43.60	-46.41	-35.11
300.	-13.71	-36.96	-39.09	-45.61	-36.81	-47.79	-52.27	-44.46	-55.78	-37.97	-52.08	-43.04	-43.87
350.	-12.38	-43.71	-35.21	-36.61	-40.83	-37.80	-38.00	-40.85	-41.90	-54.80	-41.69	-40.29	-43.12
400.	-11.22	-44.23	-31.22	-51.00	-50.61	-42.83	-47.29	-37.61	-49.76	-45.65	-40.90	-41.76	-51.26
450.	-10.19	-37.55	-28.99	-44.41	-47.90	-32.49	-35.73	-32.17	-28.79	-49.32	-40.81	-36.13	-43.33
500.	-9.28	-37.02	-31.18	-36.55	-37.56	-38.32	-38.93	-38.29	-35.55	-39.49	-40.37	-30.97	-38.87



PSFEXT - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

PSFEXT - Near End (dB)				
Freq (MHz)	45	12	36	78
1.	-80.58	-81.30	-79.50	-79.62
4.	-71.81	-71.63	-70.40	-70.42
8.	-68.59	-69.46	-66.73	-67.11
10.	-68.58	-68.26	-65.78	-65.83
16.	-72.11	-69.95	-65.36	-65.16
20.	-69.92	-68.50	-65.77	-65.22
25.	-65.40	-65.41	-68.00	-66.32
31.25	-61.65	-61.58	-74.94	-65.84
62.5	-61.71	-62.93	-61.15	-60.09
100.	-61.89	-63.96	-64.16	-65.34
155.	-55.83	-59.61	-58.06	-71.10
200.	-66.00	-65.31	-64.63	-66.16
250.	-63.12	-68.64	-61.56	-63.62
300.	-67.46	-67.67	-70.12	-72.79
350.	-68.39	-69.32	-73.06	-71.95
400.	-68.48	-78.67	-73.95	-75.85
450.	-68.89	-71.44	-67.67	-74.99
500.	-72.34	-75.79	-75.95	-73.66



PSACRF (PSELFEXT) - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

PSACRF (PSELFEXT) - Near End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-60.00	-78.72	-79.30	-77.59	-77.63
4.	-48.24	-68.32	-67.85	-66.82	-66.61
8.	-42.20	-63.74	-64.19	-61.74	-61.79
10.	-40.26	-63.16	-62.36	-60.21	-59.89
16.	-36.18	-65.26	-62.53	-58.32	-57.66
20.	-34.24	-62.24	-60.19	-57.87	-56.84
25.	-32.30	-56.78	-56.09	-59.15	-56.93
31.25	-30.36	-51.96	-51.13	-65.03	-55.31
62.5	-24.34	-47.97	-48.10	-47.02	-45.12
100.	-20.26	-44.24	-45.01	-46.16	-46.28
155.	-16.45	-33.49	-35.83	-35.51	-47.18
200.	-14.24	-40.66	-38.18	-38.70	-38.78
250.	-12.30	-34.72	-38.11	-32.13	-32.92
300.	-10.71	-36.26	-34.11	-38.08	-39.10
350.	-9.38	-34.51	-32.95	-37.58	-35.49
400.	-8.22	-31.62	-39.39	-36.52	-36.62
450.	-7.19	-30.30	-29.58	-27.26	-33.17
500.	-6.28	-31.16	-31.34	-33.48	-29.29



Return Loss - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

Return Loss - Near End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-19.00	-26.98	-27.83	-28.83	-34.24
4.	-19.00	-30.50	-41.49	-46.35	-38.93
8.	-19.00	-49.29	-29.83	-33.75	-26.18
10.	-18.98	-38.61	-30.43	-34.67	-27.04
16.	-17.98	-41.97	-44.81	-44.34	-29.04
20.	-17.50	-42.17	-54.54	-33.07	-36.69
25.	-17.01	-38.44	-39.99	-39.72	-38.00
31.25	-16.53	-30.09	-40.07	-31.23	-34.28
62.5	-14.04	-34.67	-46.37	-26.65	-26.71
100.	-12.00	-27.90	-29.07	-43.57	-26.01
155.	-10.10	-28.27	-46.01	-35.91	-53.78
200.	-8.99	-21.10	-32.11	-38.43	-26.58
250.	-8.02	-46.44	-47.93	-27.78	-31.15
300.	-7.23	-20.99	-25.96	-27.40	-37.14
350.	-6.56	-23.51	-38.97	-18.23	-32.06
400.	-6.00	-28.88	-27.52	-50.14	-45.66
450.	-6.00	-22.98	-27.69	-24.71	-28.63
500.	-6.00	-24.41	-49.75	-16.92	-40.02



Return Loss - Far End

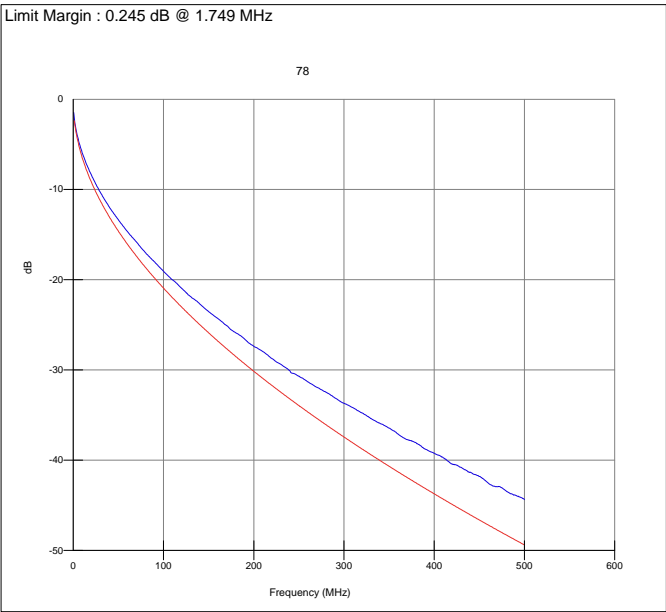
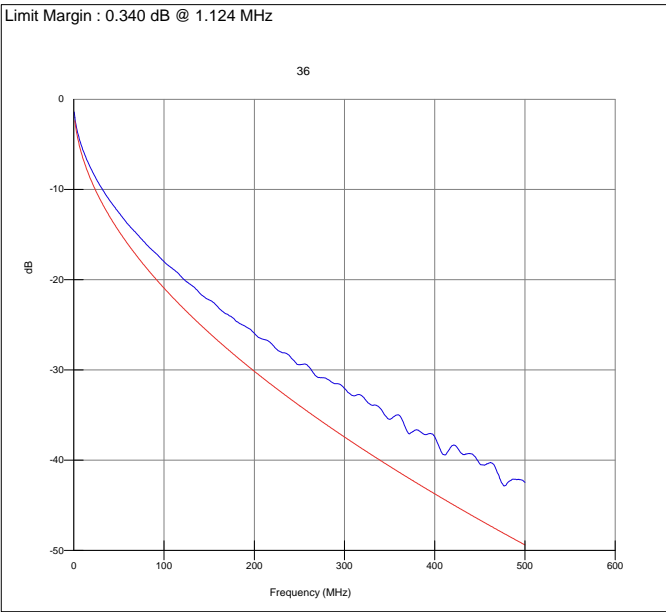
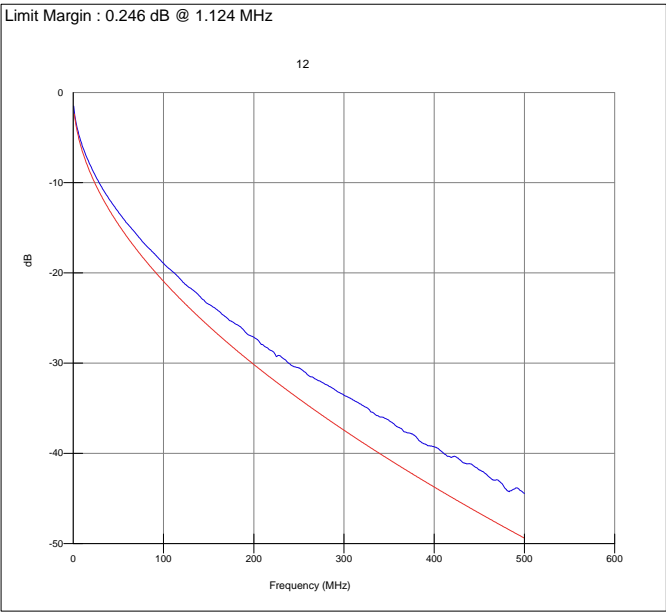
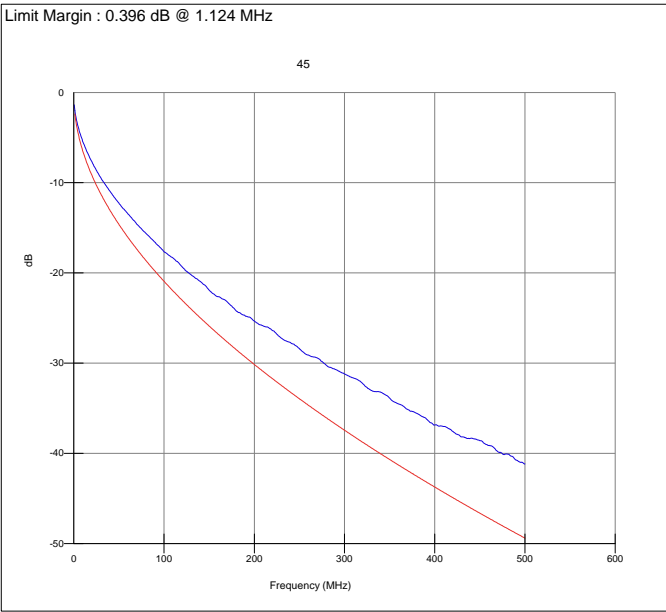
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

Return Loss - Far End (dB)					
Freq (MHz)	Limit	45	12	36	78
1.	-19.00	-26.85	-28.76	-27.85	-33.76
4.	-19.00	-32.27	-42.05	-35.16	-38.79
8.	-19.00	-35.28	-28.86	-34.25	-25.48
10.	-18.98	-34.77	-28.30	-35.30	-27.07
16.	-17.98	-40.15	-62.55	-34.29	-32.73
20.	-17.50	-38.29	-50.77	-41.46	-36.48
25.	-17.01	-36.32	-37.71	-62.33	-34.17
31.25	-16.53	-28.38	-29.00	-32.97	-37.32
62.5	-14.04	-33.84	-31.36	-29.17	-34.41
100.	-12.00	-29.83	-61.01	-38.41	-41.71
155.	-10.10	-25.50	-24.59	-38.89	-35.77
200.	-8.99	-27.95	-53.89	-40.94	-45.02
250.	-8.02	-39.65	-29.92	-22.61	-43.17
300.	-7.23	-20.59	-31.46	-27.82	-33.52
350.	-6.56	-40.03	-29.36	-17.13	-48.70
400.	-6.00	-18.72	-24.87	-53.50	-26.20
450.	-6.00	-26.15	-22.04	-15.63	-39.25
500.	-6.00	-30.56	-34.77	-25.41	-29.48



Insertion Loss

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

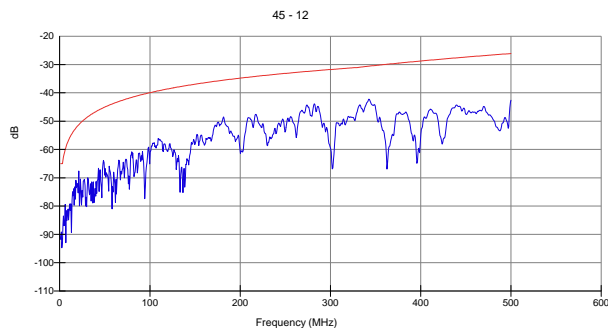




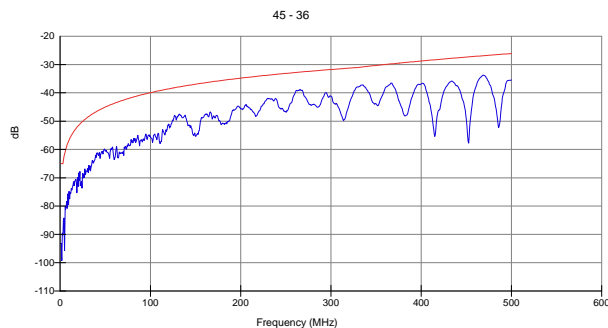
NEXT - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

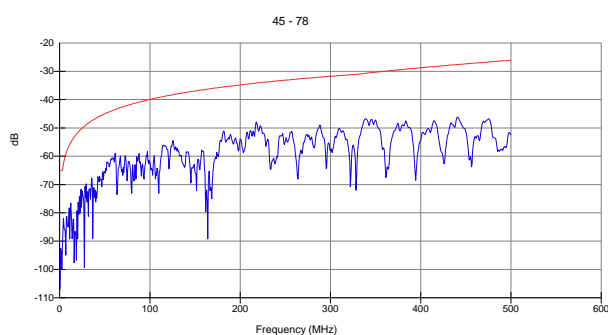
Limit Margin : 11.654 dB @ 282.093 MHz



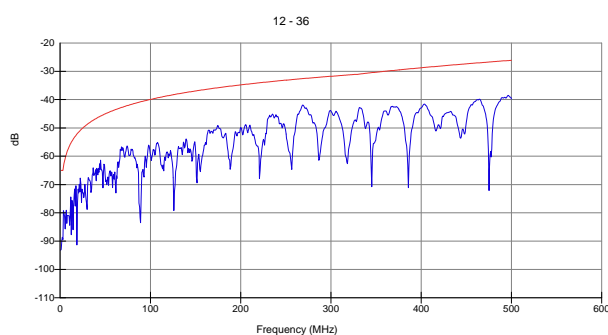
Limit Margin : 6.127 dB @ 265.859 MHz



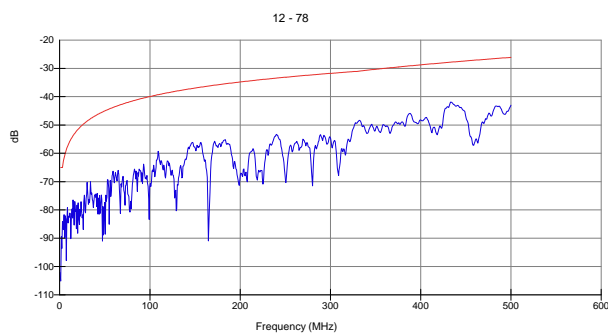
Limit Margin : 13.787 dB @ 217.783 MHz



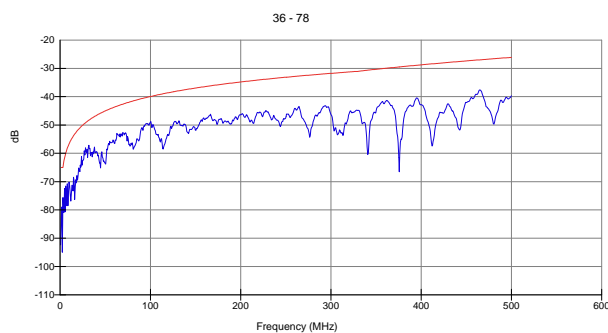
Limit Margin : 9.311 dB @ 268.357 MHz



Limit Margin : 14.063 dB @ 433.192 MHz



Limit Margin : 8.809 dB @ 27.973 MHz

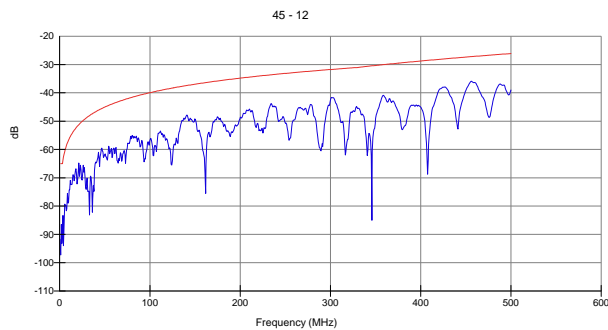




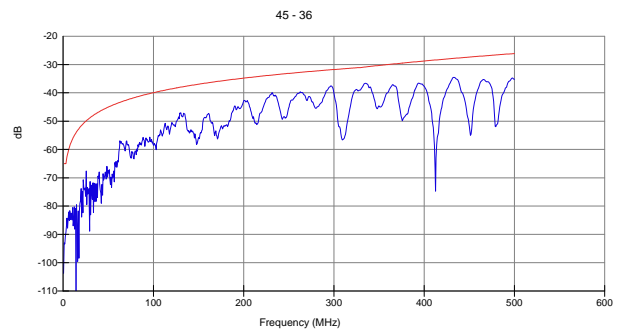
NEXT - Far End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

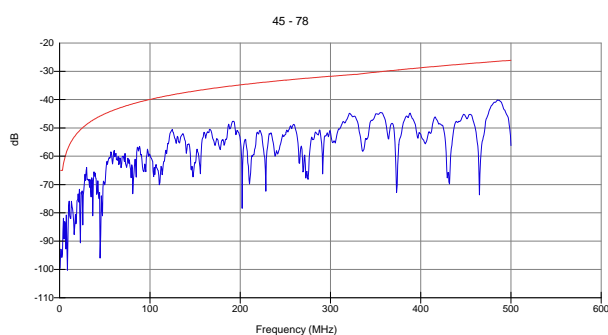
Limit Margin : 8.748 dB @ 456.294 MHz



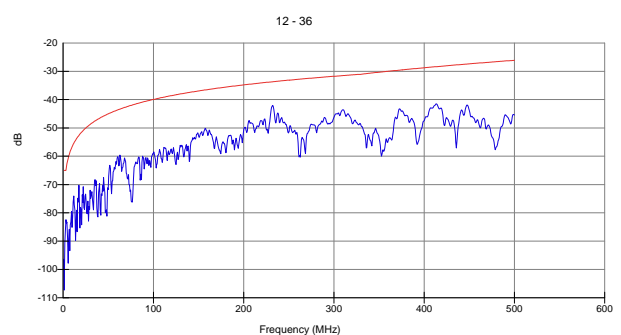
Limit Margin : 5.689 dB @ 296.454 MHz



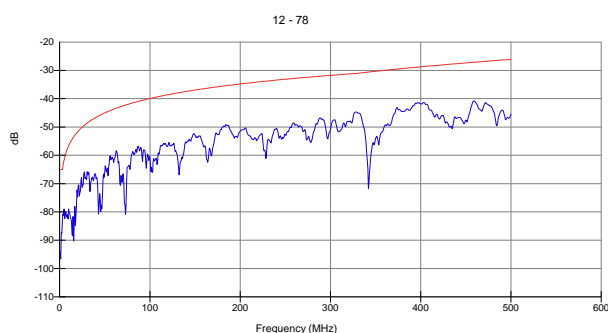
Limit Margin : 12.256 dB @ 124.751 MHz



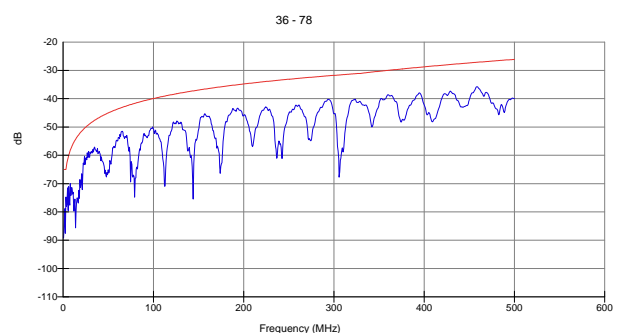
Limit Margin : 8.425 dB @ 232.143 MHz



Limit Margin : 12.523 dB @ 396.978 MHz



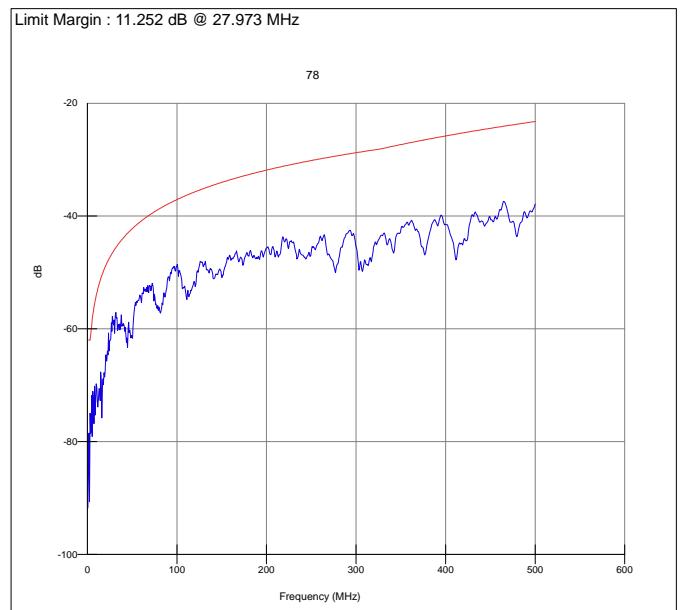
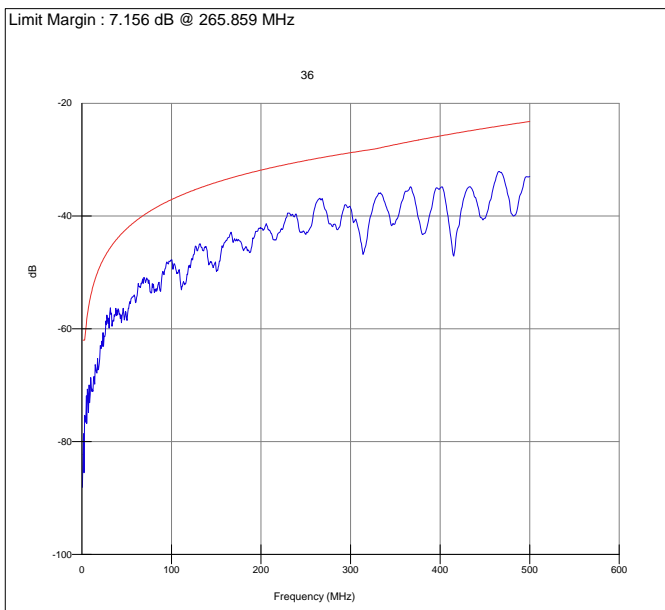
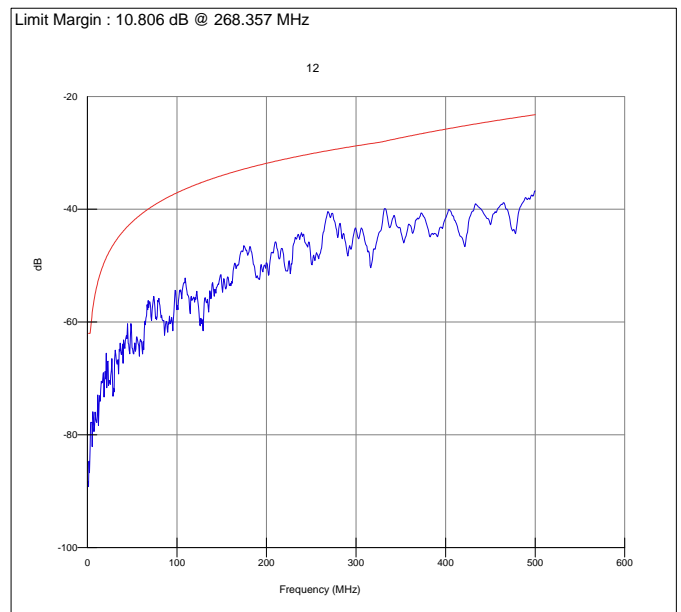
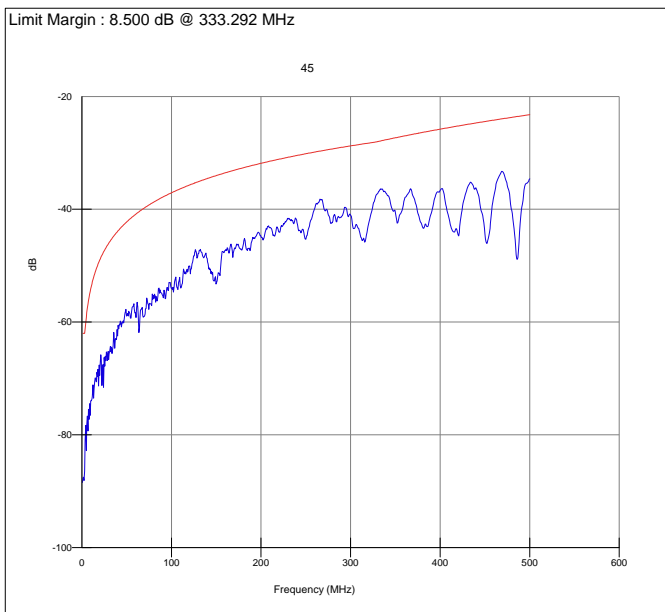
Limit Margin : 8.230 dB @ 188.437 MHz





PSNEXT - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

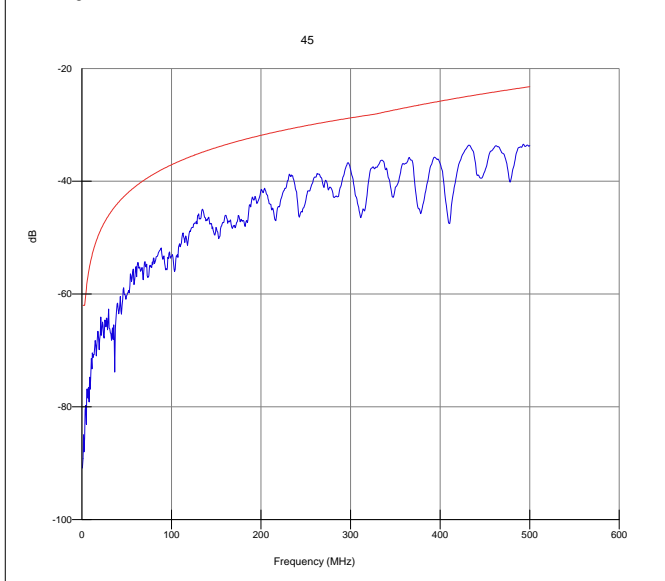




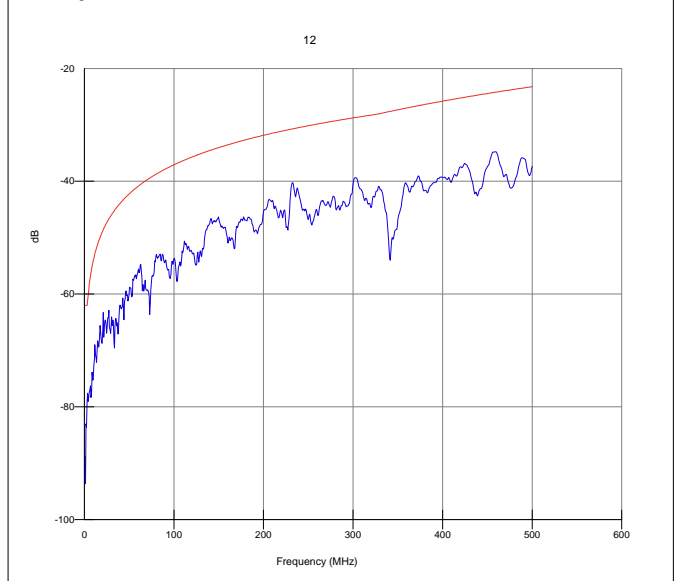
PSNEXT - Far End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

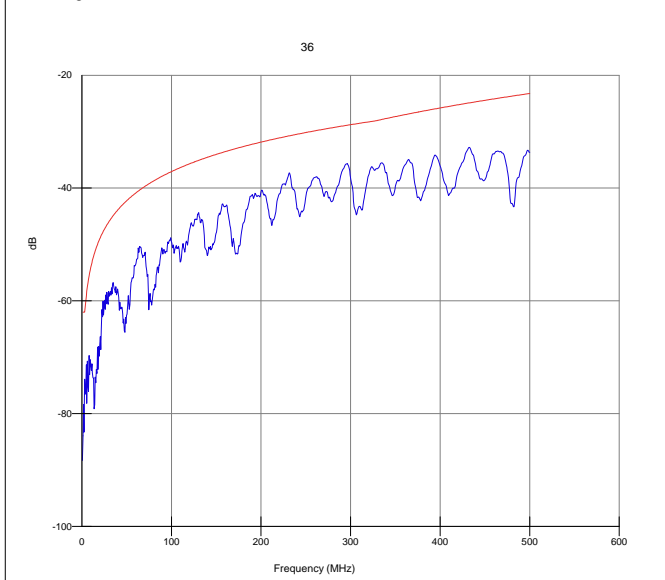
Limit Margin : 7.875 dB @ 297.078 MHz



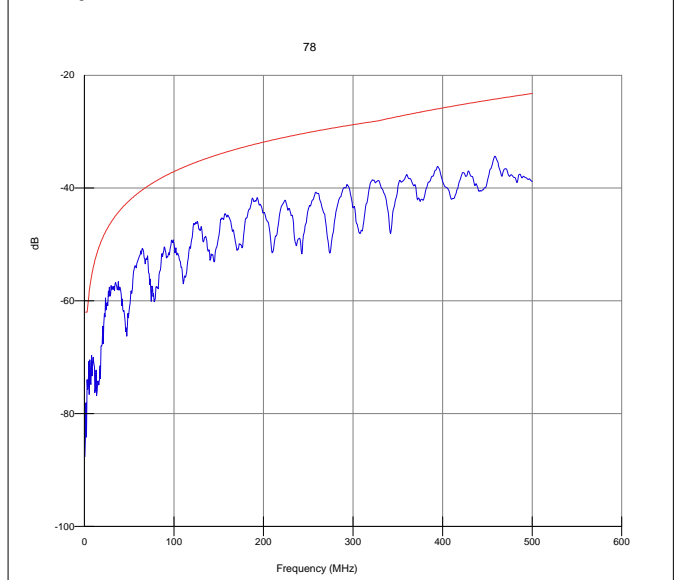
Limit Margin : 9.544 dB @ 232.143 MHz



Limit Margin : 6.561 dB @ 231.519 MHz



Limit Margin : 9.448 dB @ 187.813 MHz

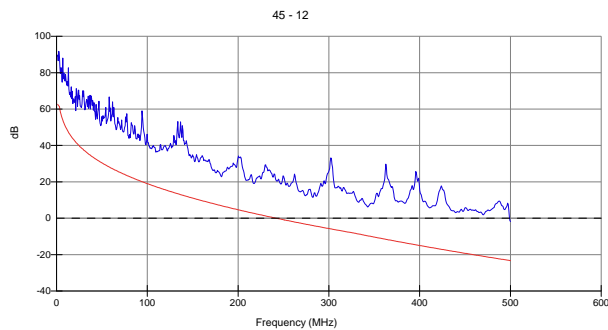




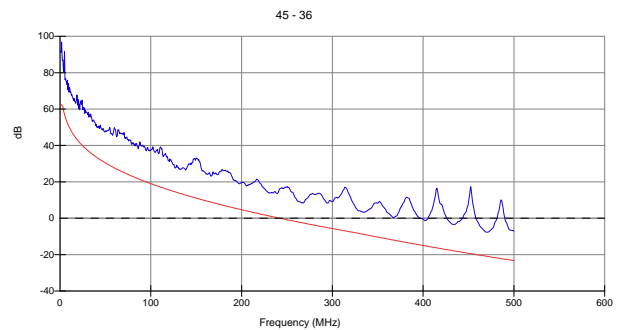
ACR - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

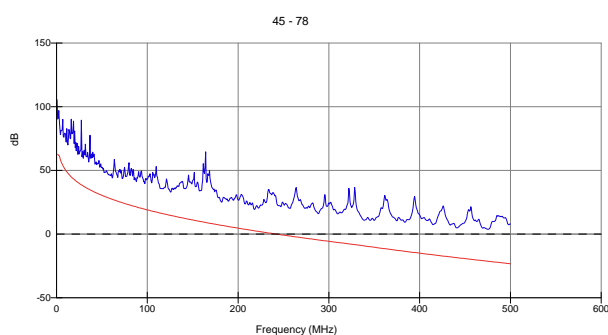
Limit Margin : 15.404 dB @ 282.093 MHz



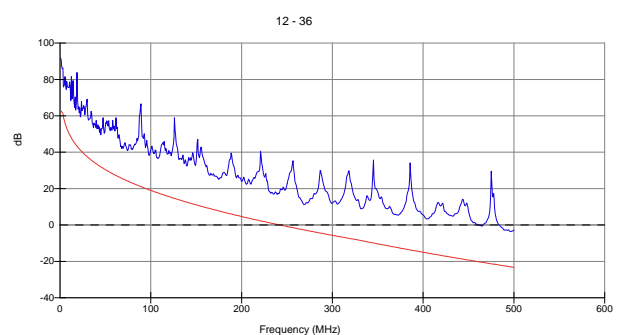
Limit Margin : 10.829 dB @ 265.859 MHz



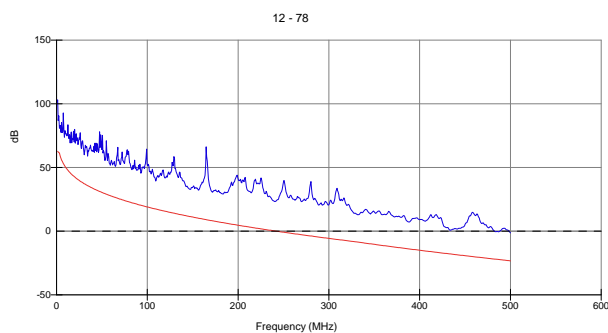
Limit Margin : 16.759 dB @ 217.783 MHz



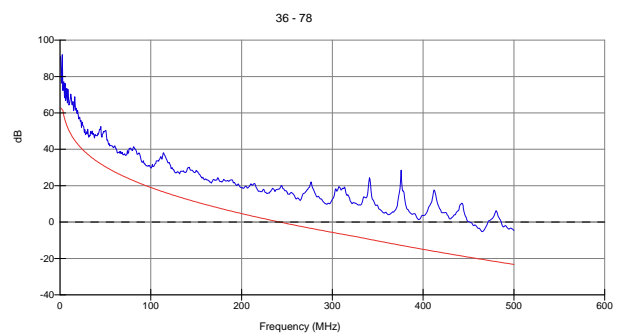
Limit Margin : 13.901 dB @ 268.357 MHz



Limit Margin : 18.713 dB @ 433.192 MHz



Limit Margin : 9.727 dB @ 27.973 MHz

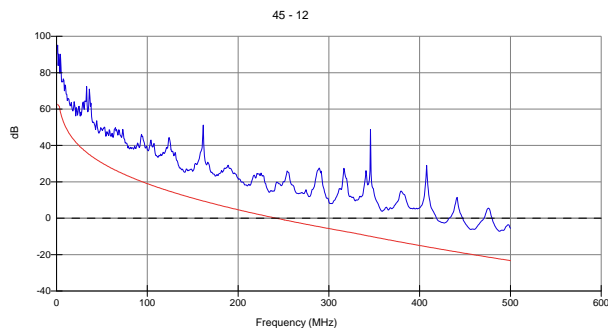




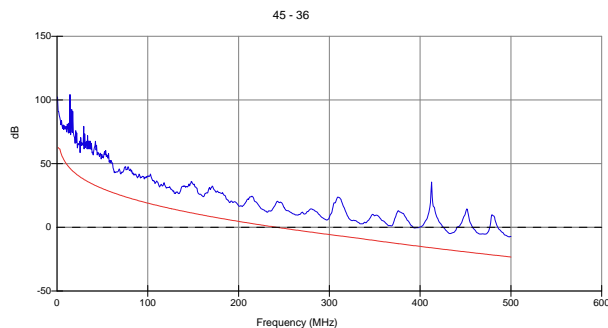
ACR - Far End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

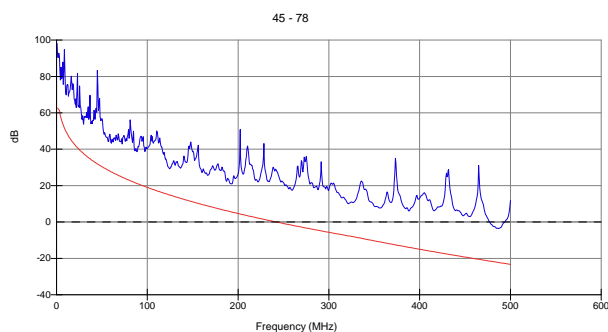
Limit Margin : 12.899 dB @ 140.984 MHz



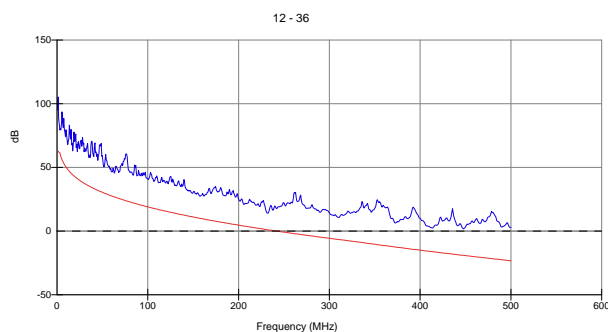
Limit Margin : 10.680 dB @ 231.519 MHz



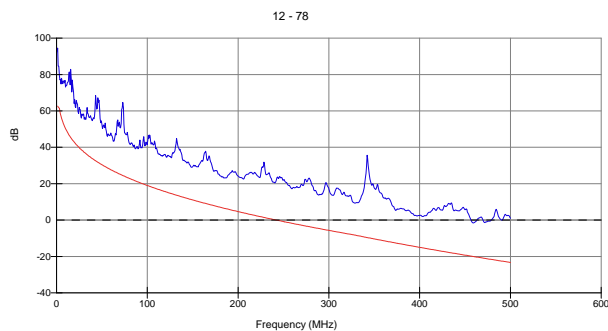
Limit Margin : 14.399 dB @ 124.751 MHz



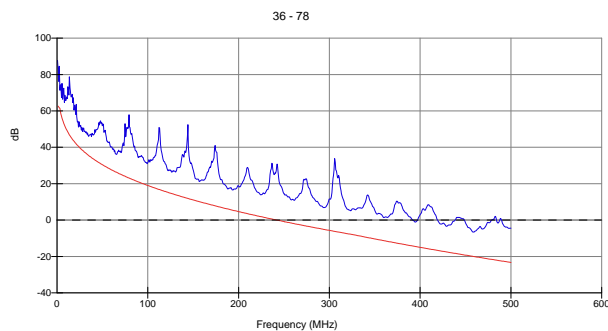
Limit Margin : 12.958 dB @ 232.143 MHz



Limit Margin : 16.398 dB @ 62.313 MHz



Limit Margin : 9.870 dB @ 65.435 MHz

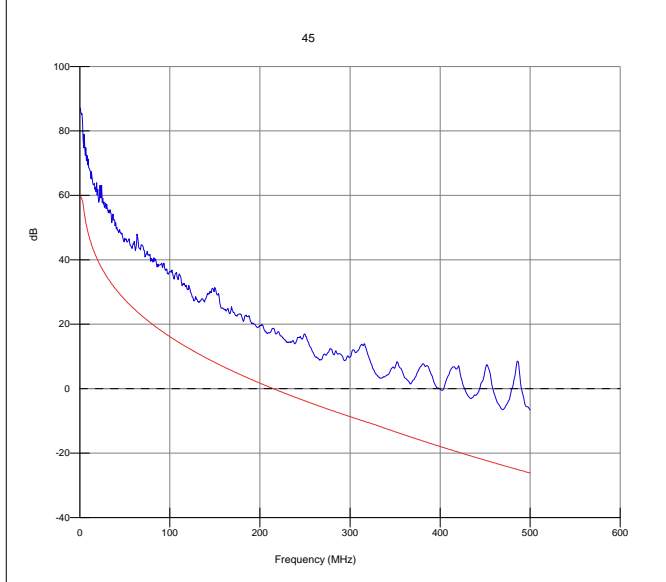




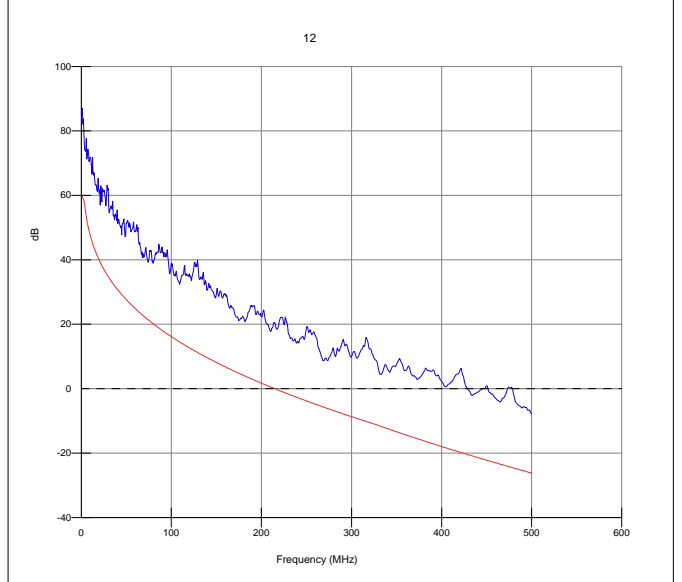
PSACR - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

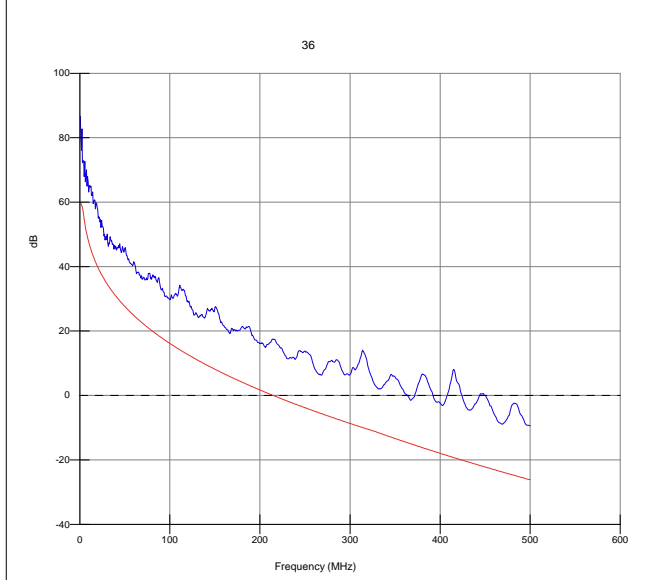
Limit Margin : 14.274 dB @ 265.859 MHz



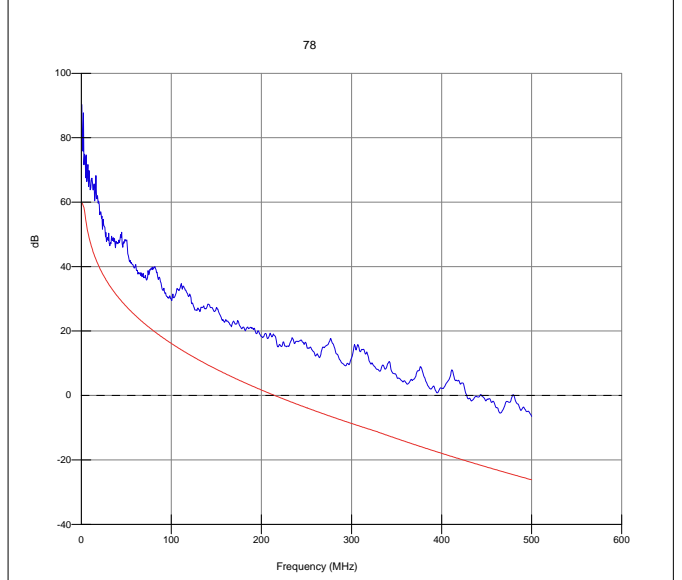
Limit Margin : 14.303 dB @ 268.357 MHz



Limit Margin : 11.858 dB @ 265.859 MHz



Limit Margin : 12.169 dB @ 27.973 MHz

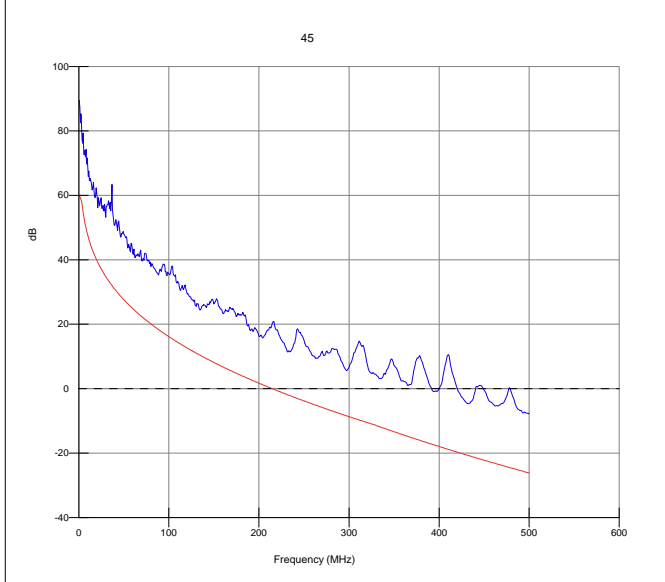




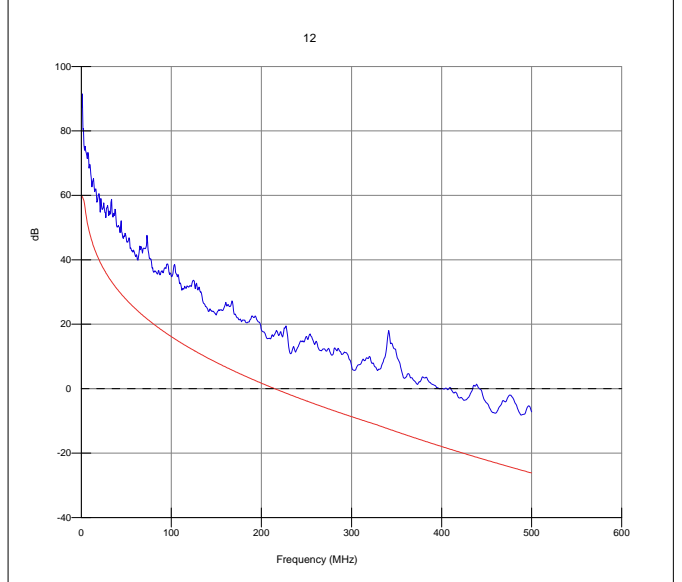
PSACR - Far End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

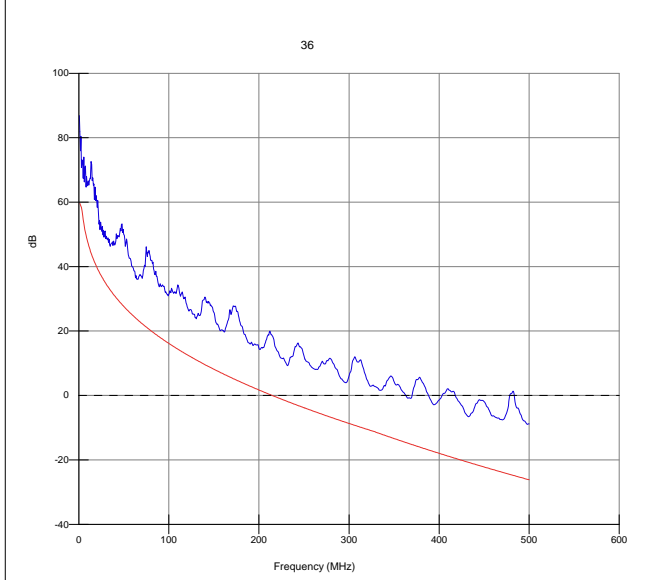
Limit Margin : 13.267 dB @ 231.519 MHz



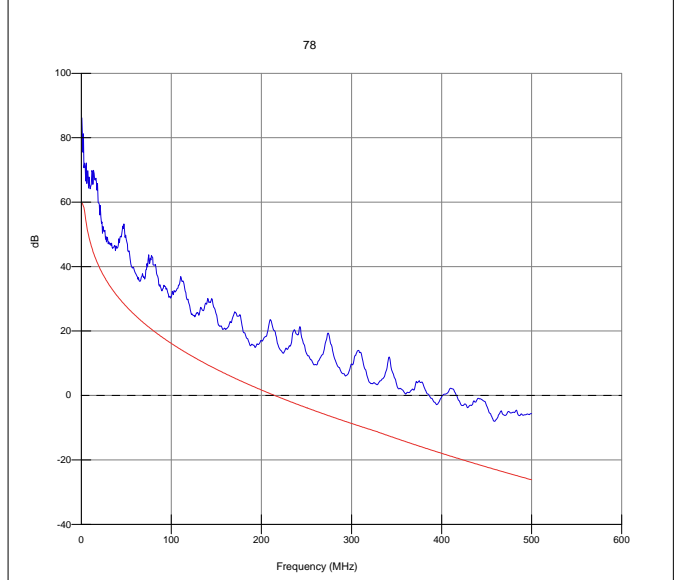
Limit Margin : 12.789 dB @ 232.143 MHz



Limit Margin : 11.060 dB @ 231.519 MHz



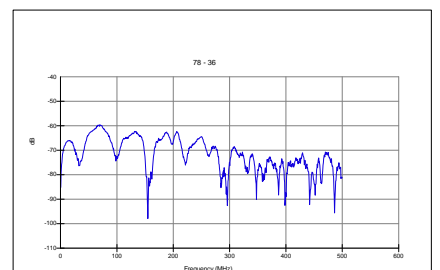
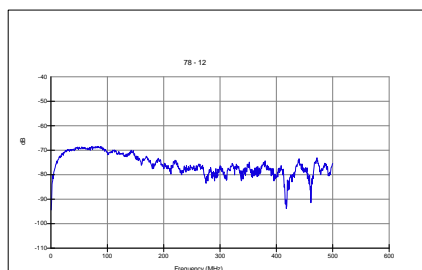
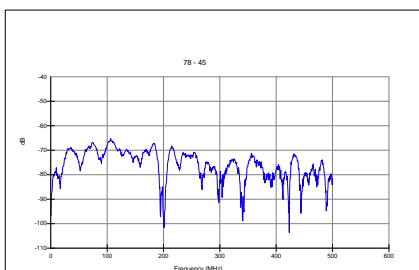
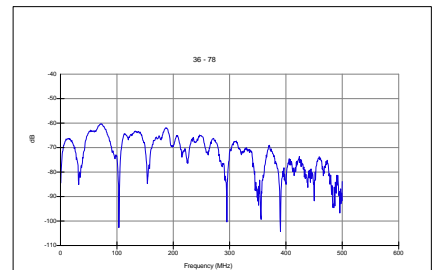
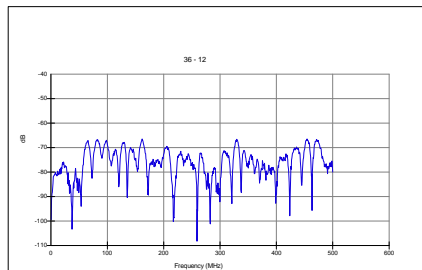
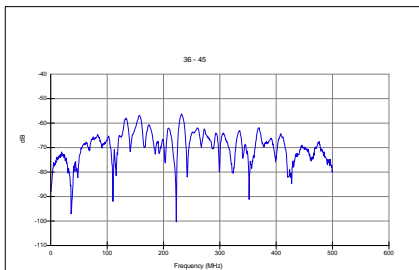
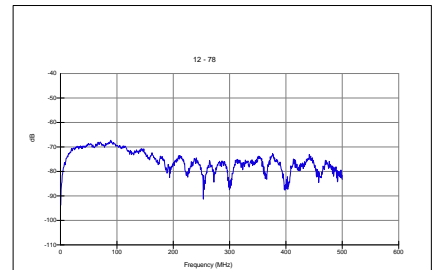
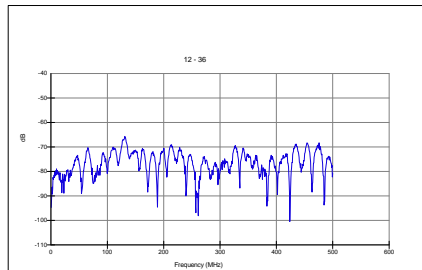
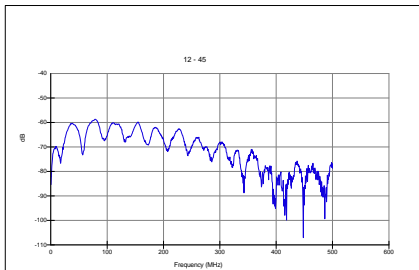
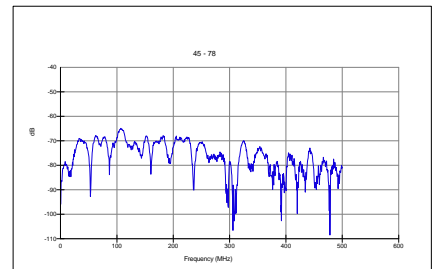
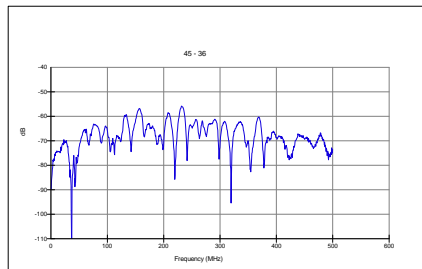
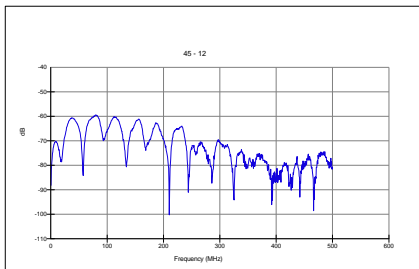
Limit Margin : 11.828 dB @ 64.811 MHz





FEXT - Near End

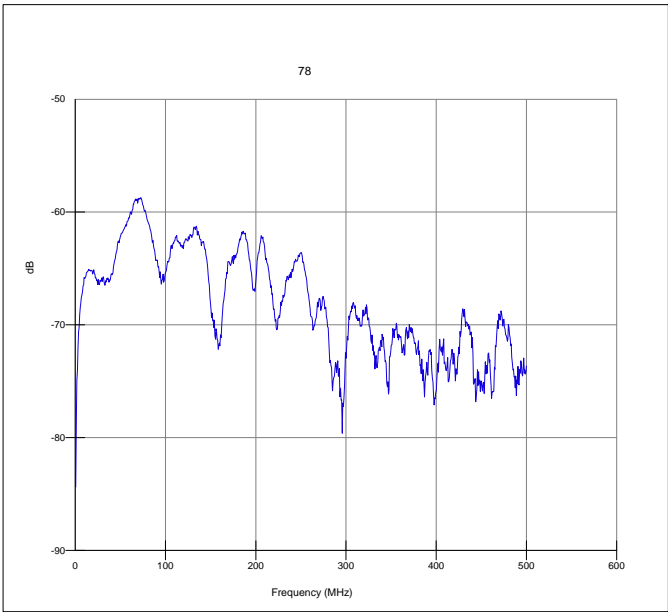
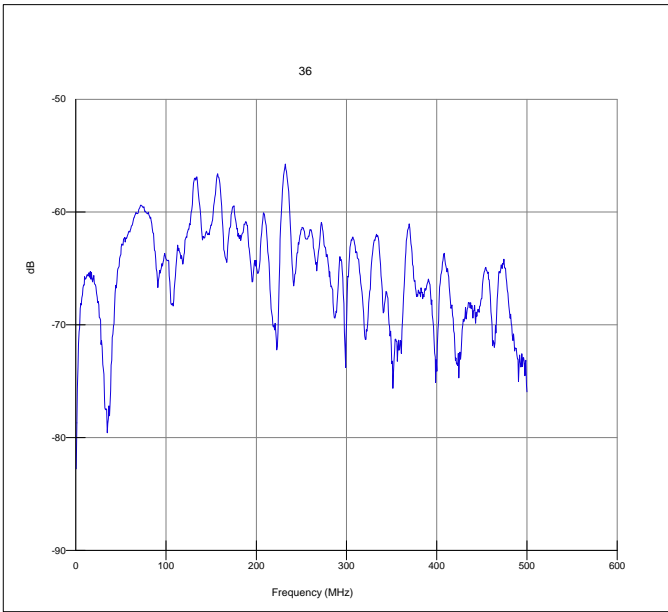
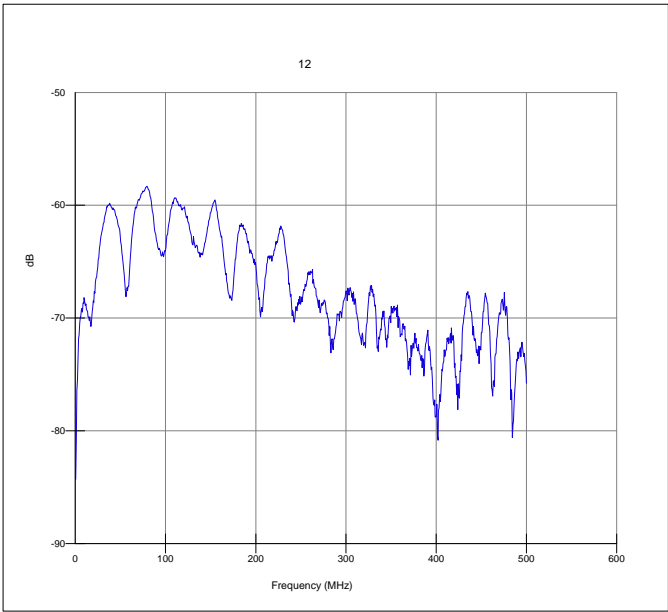
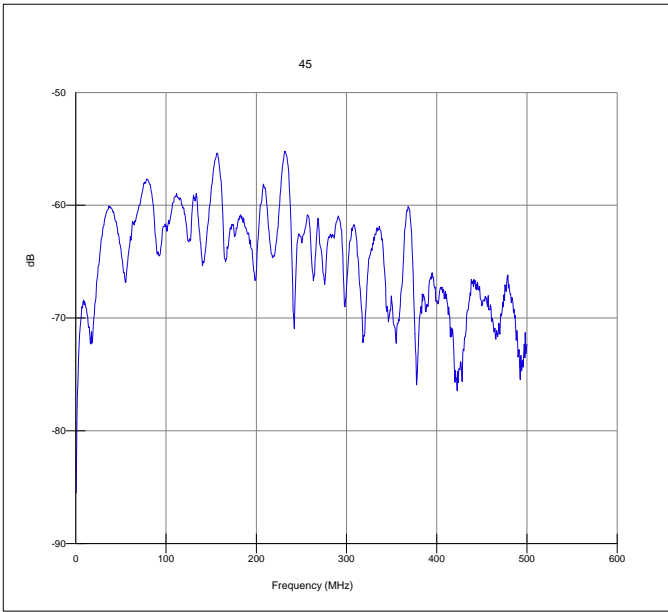
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies





PSFEXT - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

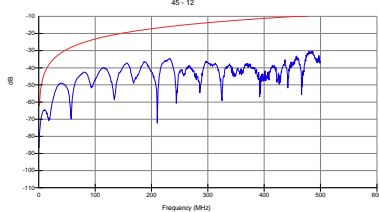




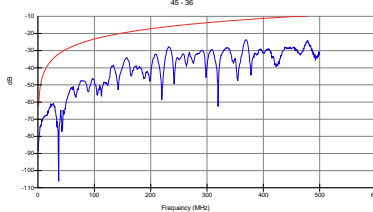
ACRF (ELFEXT) - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

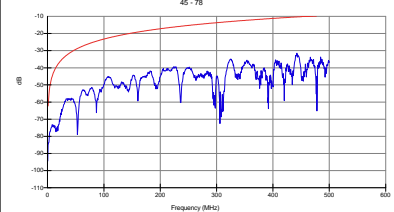
Limit Margin : 17.290 dB @ 36.714 MHz



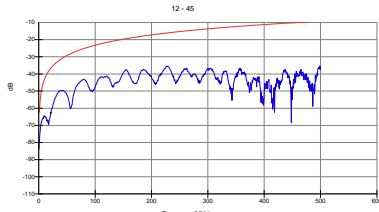
Limit Margin : 11.703 dB @ 369.506 MHz



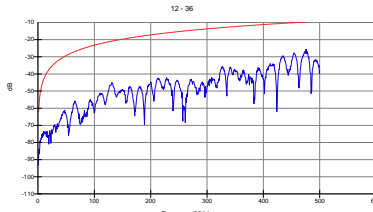
Limit Margin : 21.855 dB @ 325.175 MHz



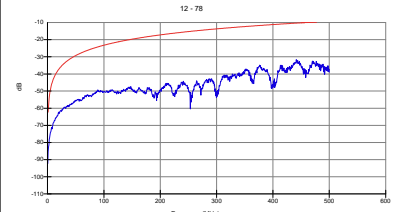
Limit Margin : 17.861 dB @ 79.171 MHz



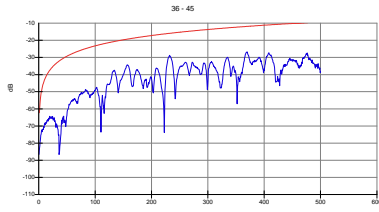
Limit Margin : 15.879 dB @ 475.649 MHz



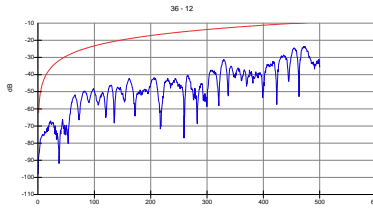
Limit Margin : 25.079 dB @ 89.161 MHz



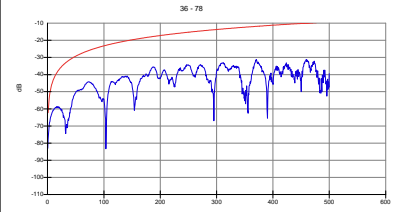
Limit Margin : 12.852 dB @ 232.143 MHz



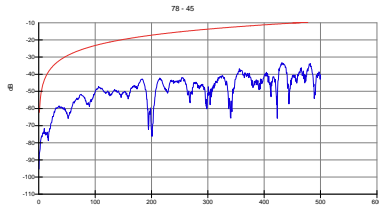
Limit Margin : 13.862 dB @ 471.279 MHz



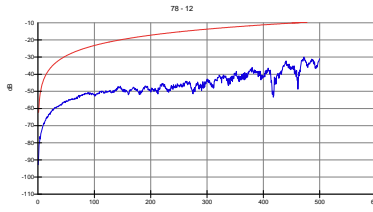
Limit Margin : 15.973 dB @ 4.871 MHz



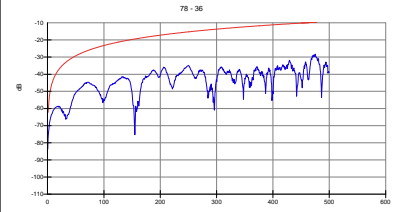
Limit Margin : 24.375 dB @ 106.019 MHz



Limit Margin : 25.648 dB @ 29.221 MHz



Limit Margin : 16.499 dB @ 5.495 MHz

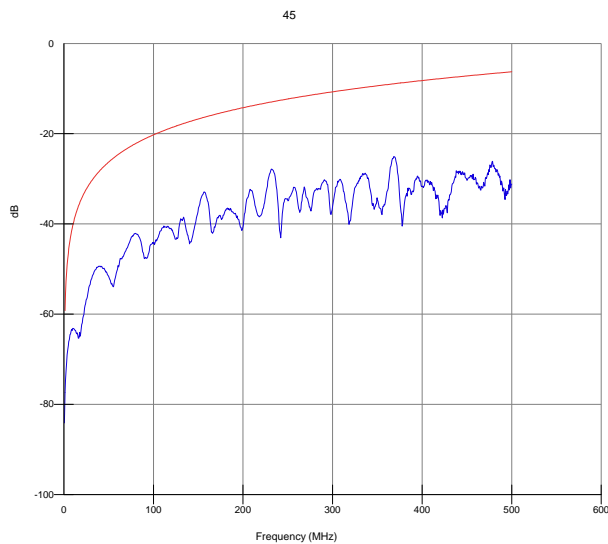




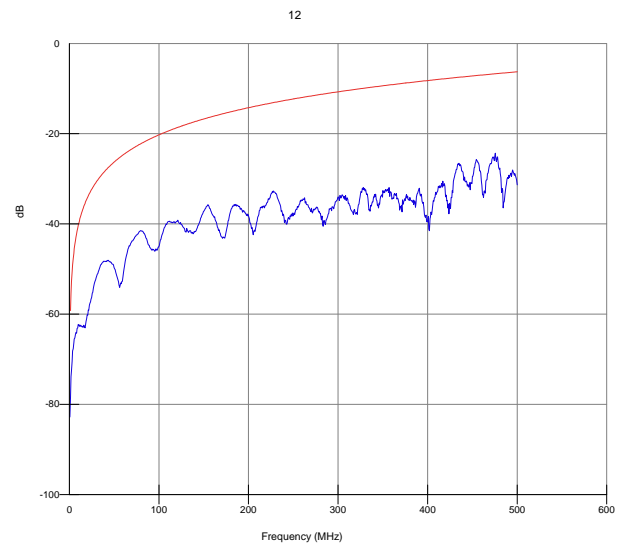
PSACRF (PSELFEXT) - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

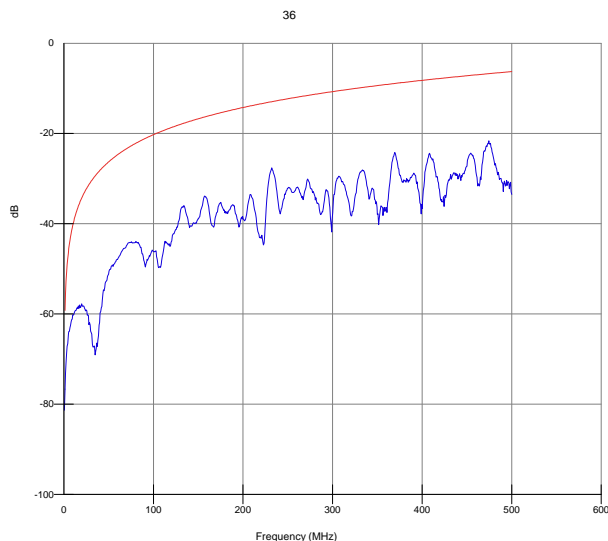
Limit Margin : 14.901 dB @ 231.519 MHz



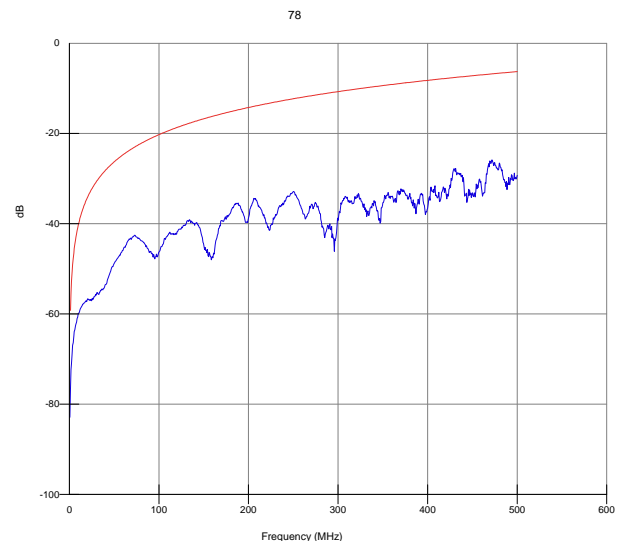
Limit Margin : 17.614 dB @ 475.649 MHz



Limit Margin : 14.695 dB @ 232.143 MHz



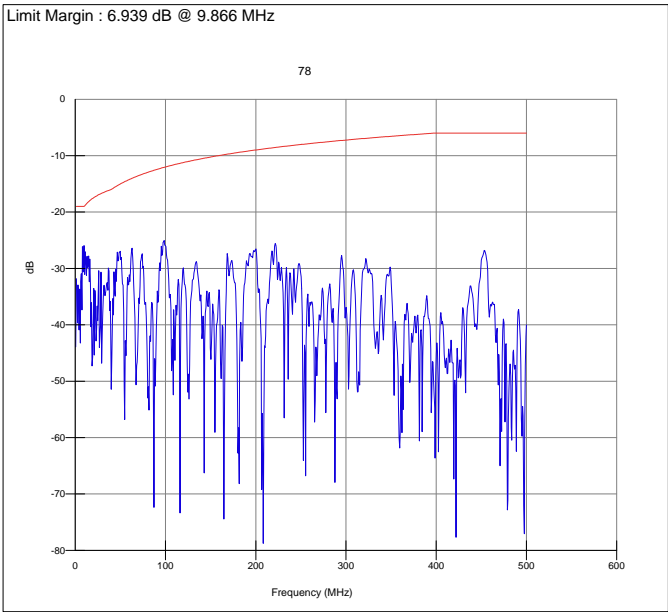
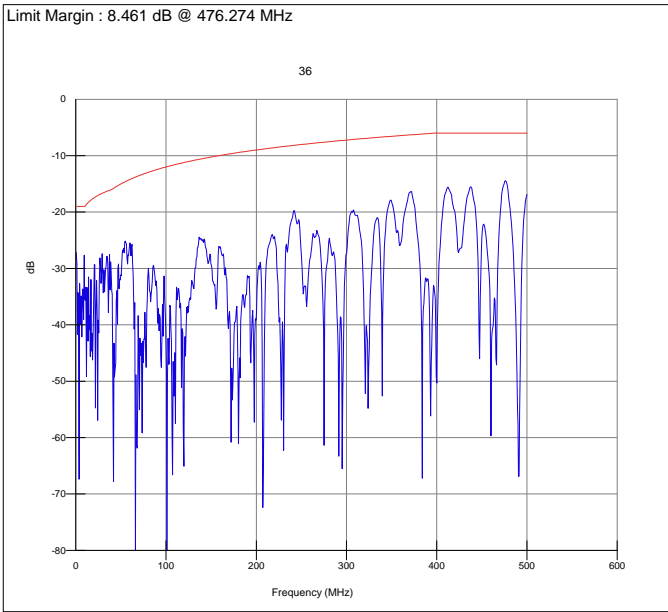
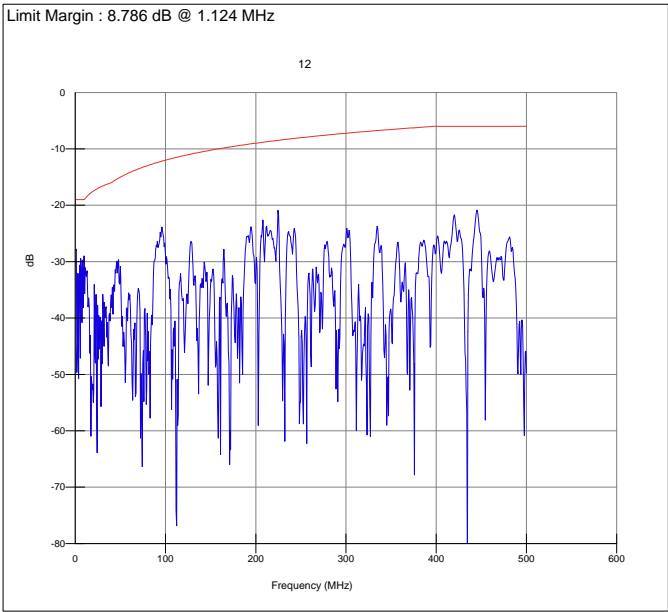
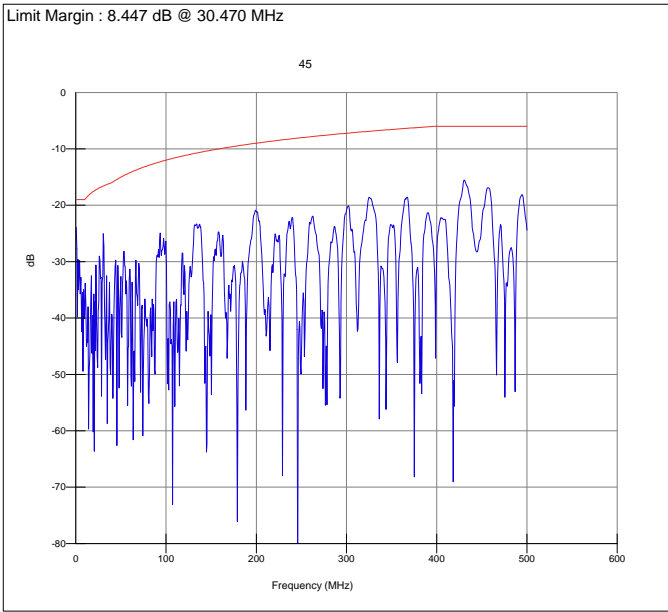
Limit Margin : 16.930 dB @ 1.749 MHz





Return Loss - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

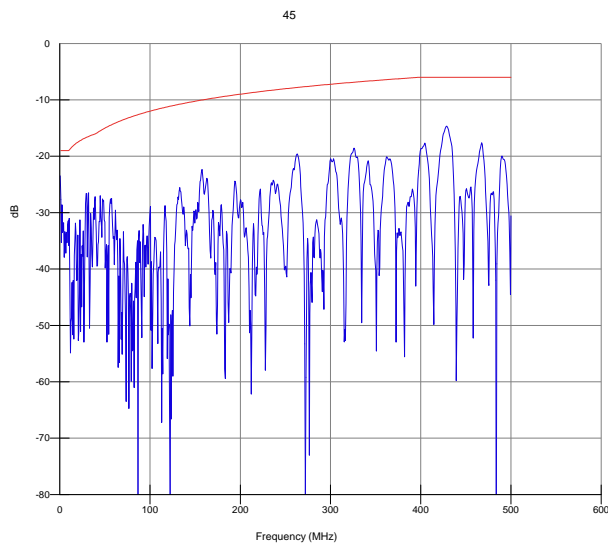




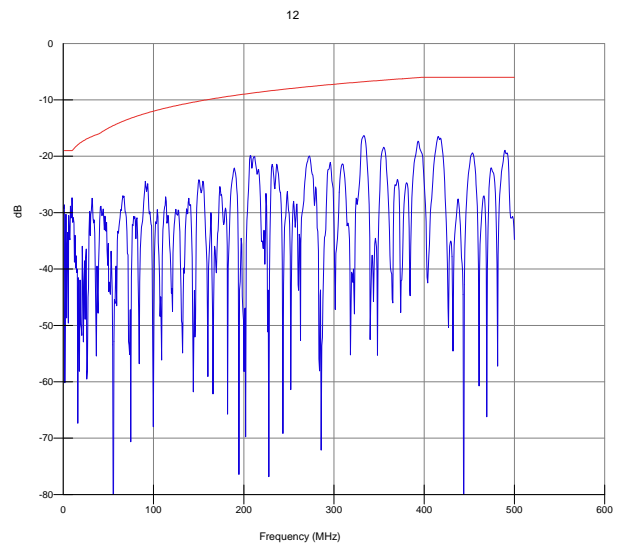
Return Loss - Far End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

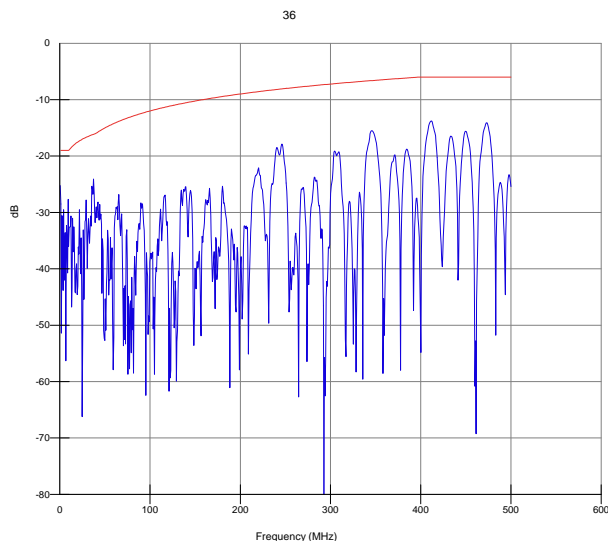
Limit Margin : 8.658 dB @ 428.821 MHz



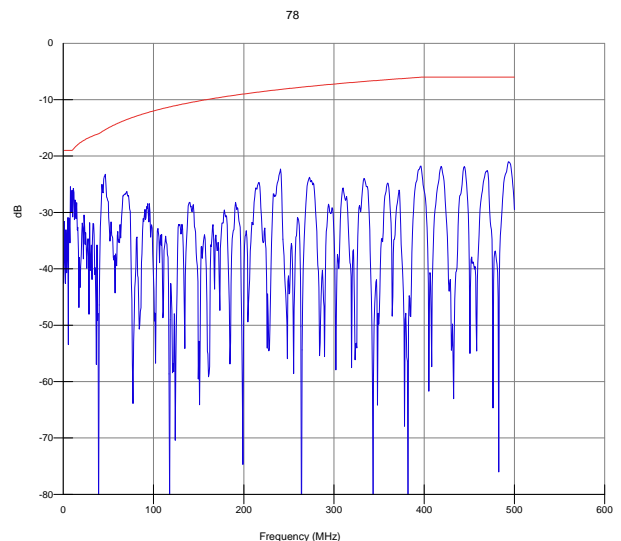
Limit Margin : 8.370 dB @ 9.866 MHz



Limit Margin : 7.753 dB @ 411.963 MHz



Limit Margin : 6.422 dB @ 7.993 MHz

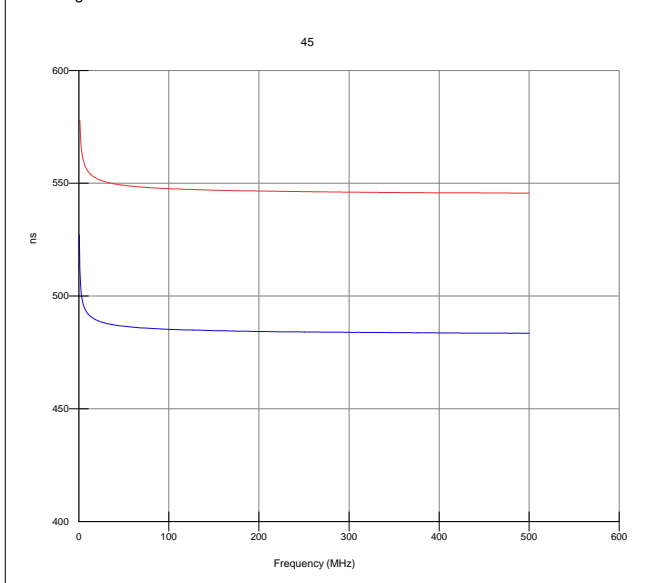




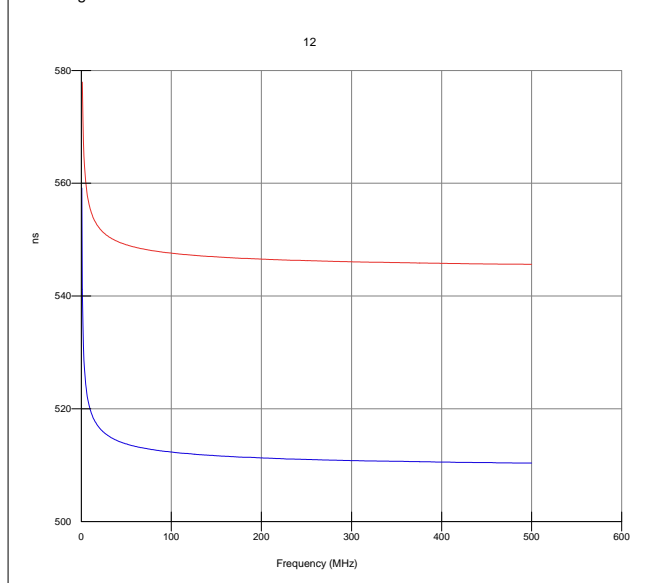
Propagation Delay - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

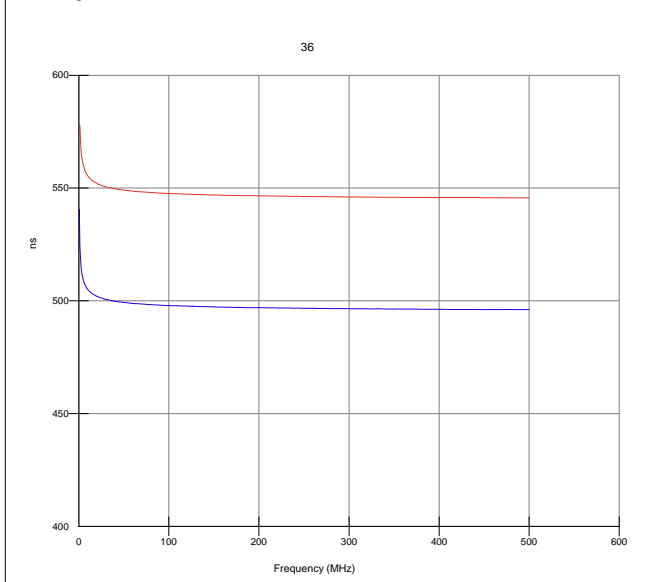
Limit Margin : 62.090 ns @ 467.533 MHz



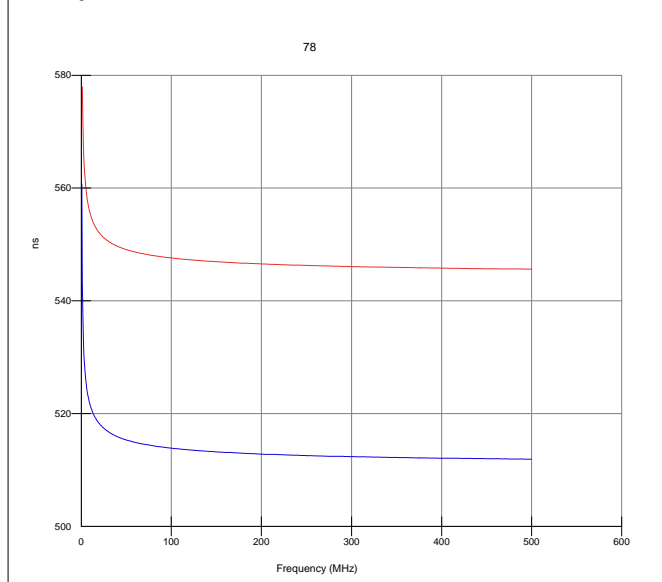
Limit Margin : 35.220 ns @ 473.776 MHz



Limit Margin : 49.450 ns @ 473.776 MHz



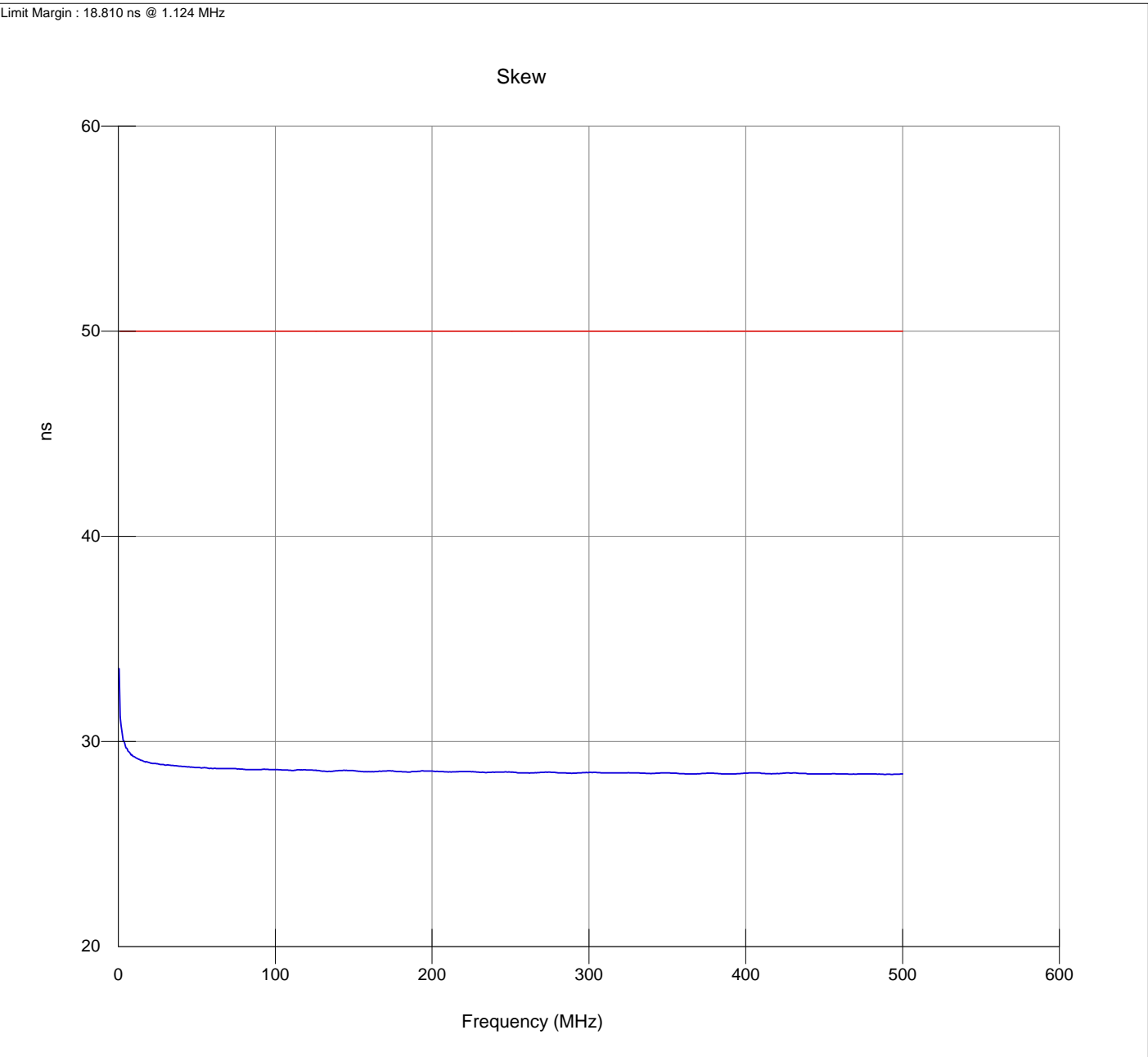
Limit Margin : 33.680 ns @ 456.918 MHz





Propagation Delay Skew - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

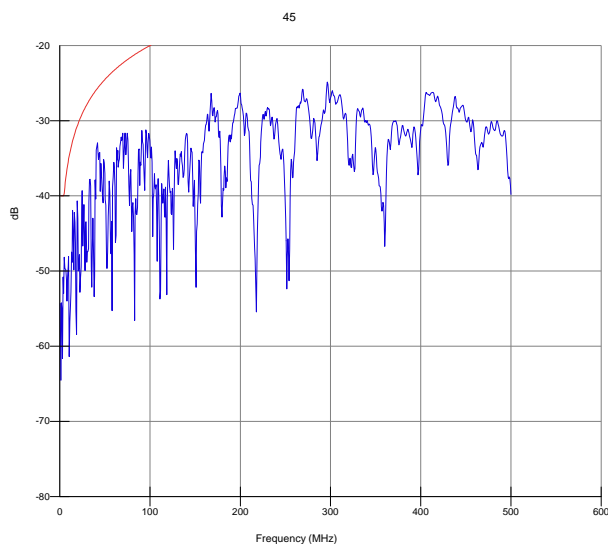




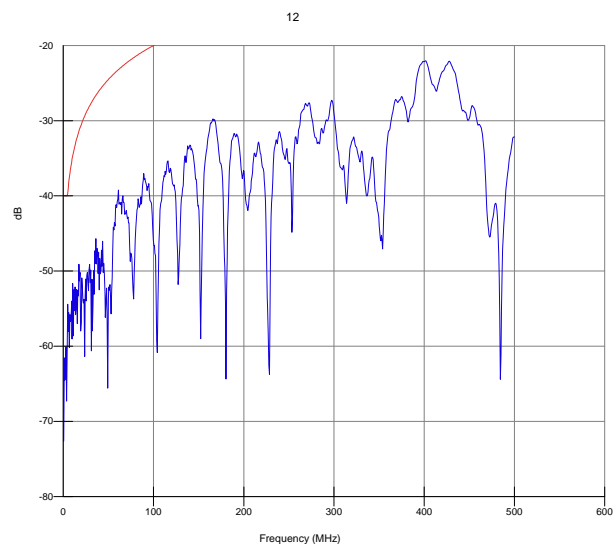
TCL - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

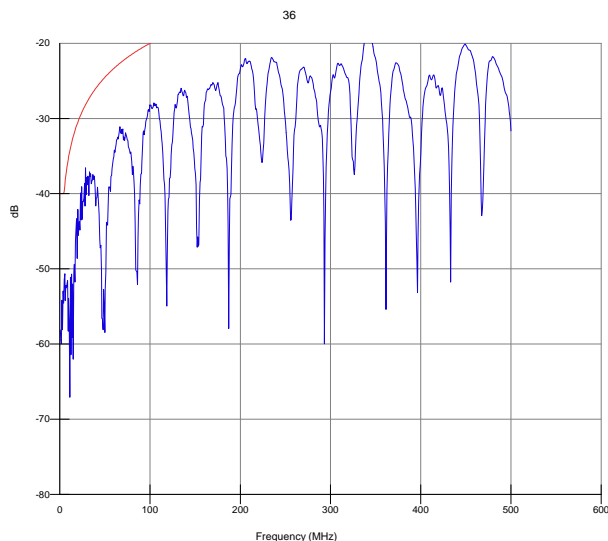
Limit Margin : 7.255 dB @ 41.709 MHz



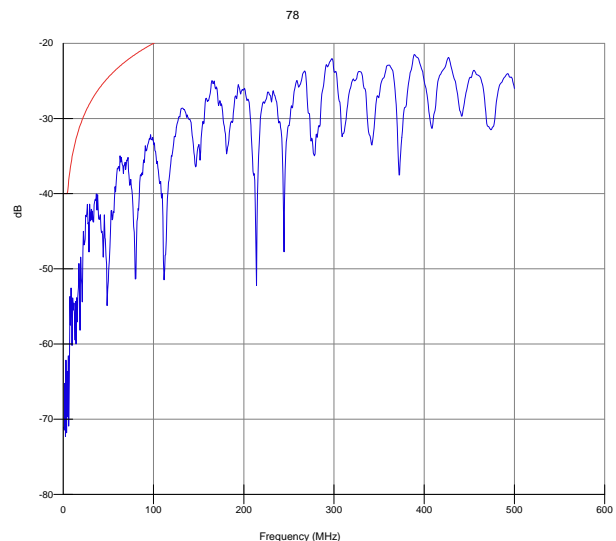
Limit Margin : 11.089 dB @ 401.349 MHz



Limit Margin : 6.740 dB @ 205.295 MHz



Limit Margin : 8.235 dB @ 164.711 MHz

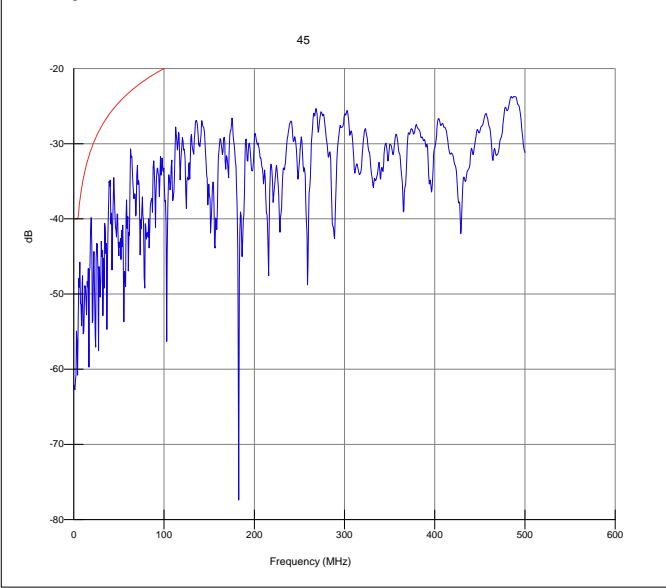




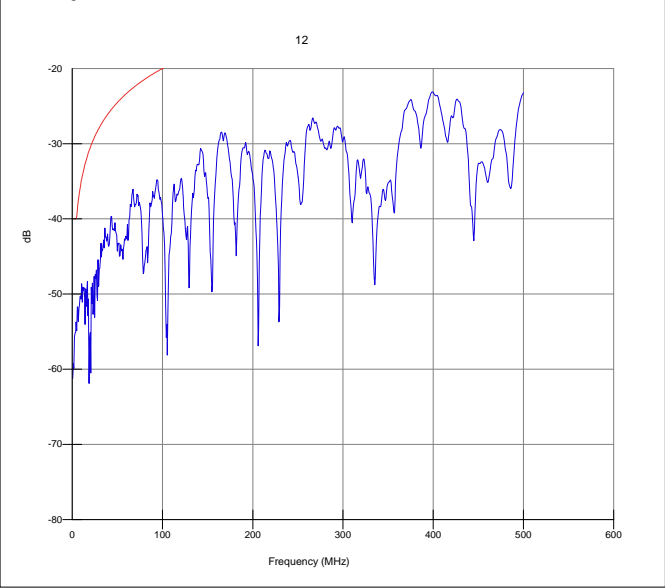
TCL - Far End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

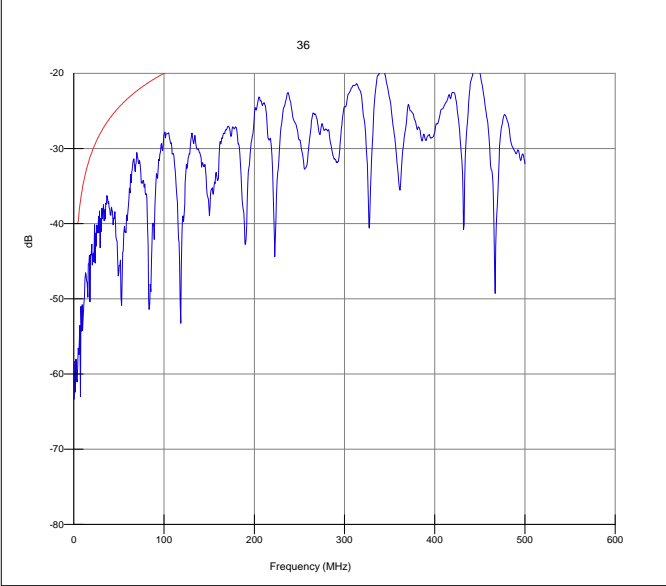
Limit Margin : 7.688 dB @ 62.938 MHz



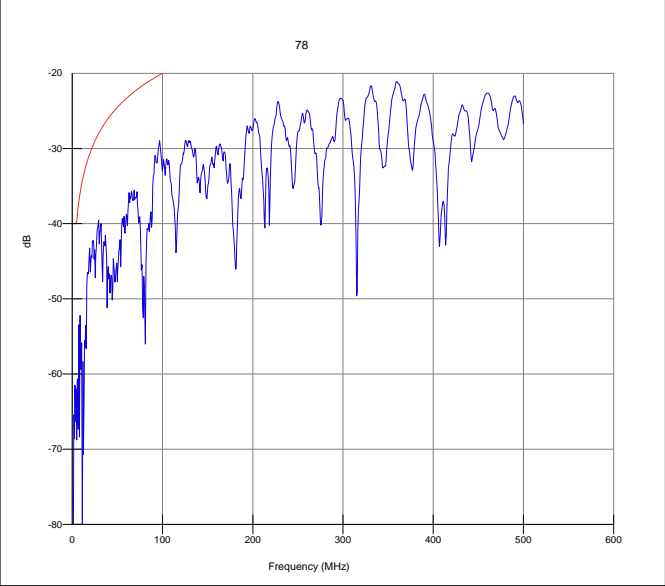
Limit Margin : 11.722 dB @ 165.335 MHz



Limit Margin : 7.411 dB @ 341.409 MHz



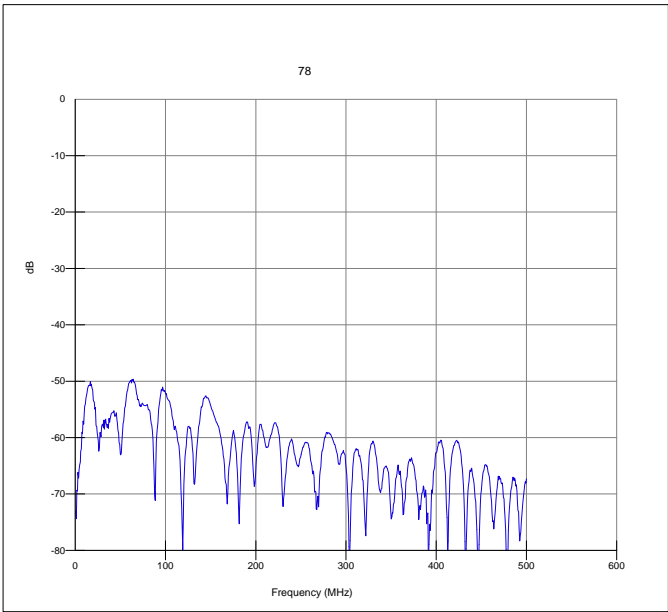
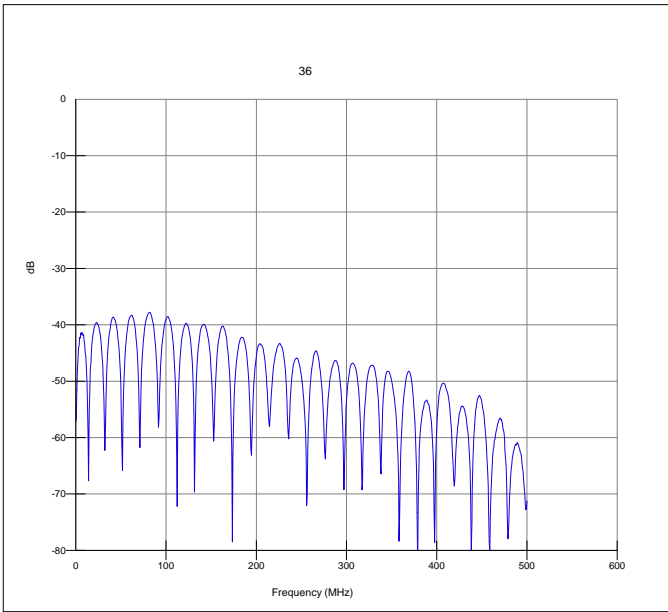
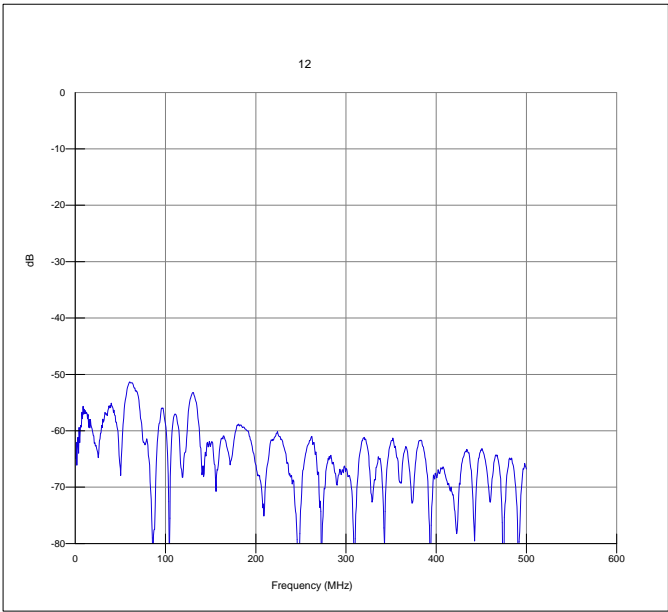
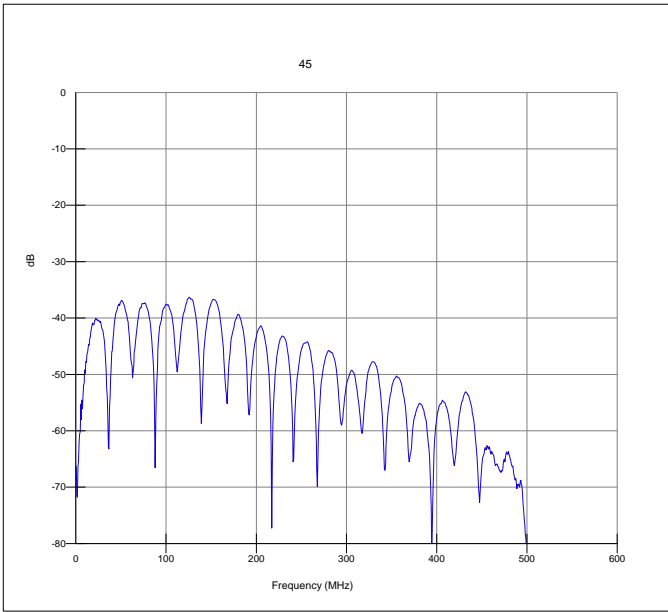
Limit Margin : 8.753 dB @ 96.654 MHz





TCTL - Near End

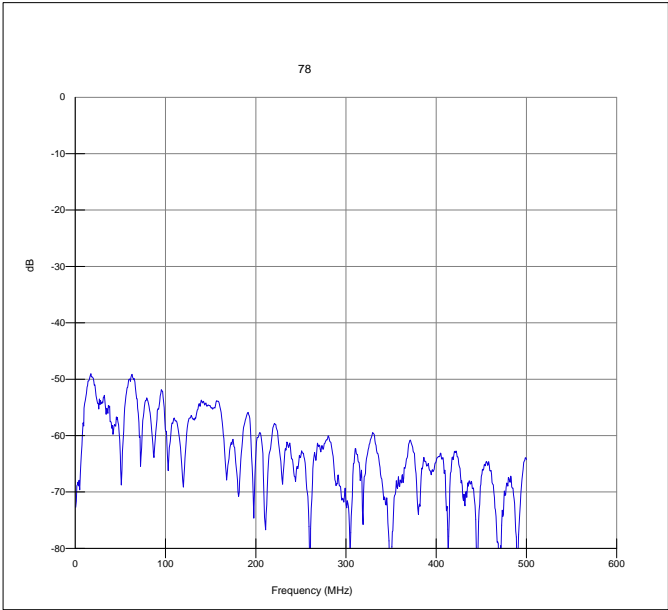
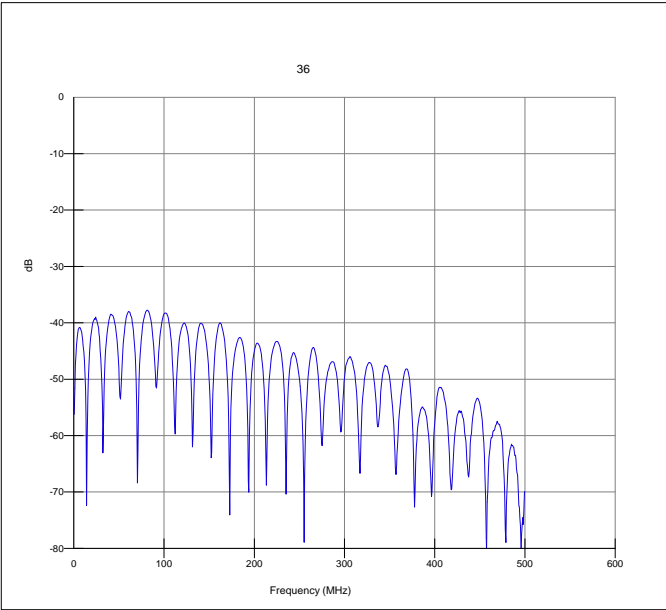
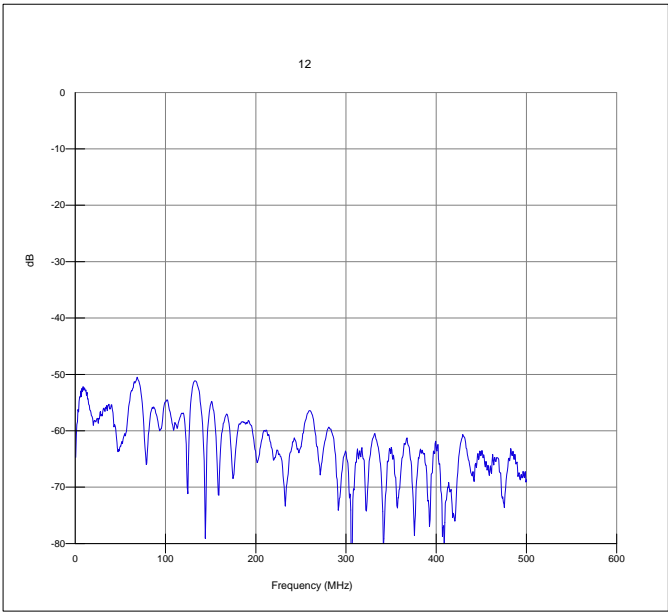
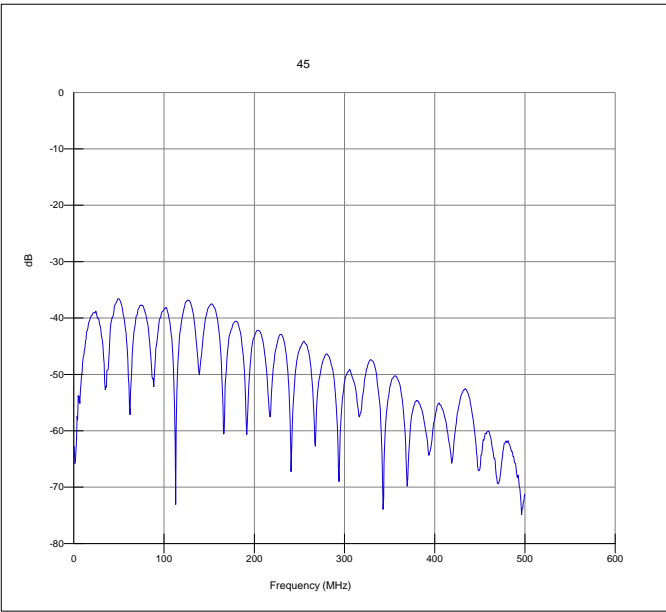
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies





TCTL - Far End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

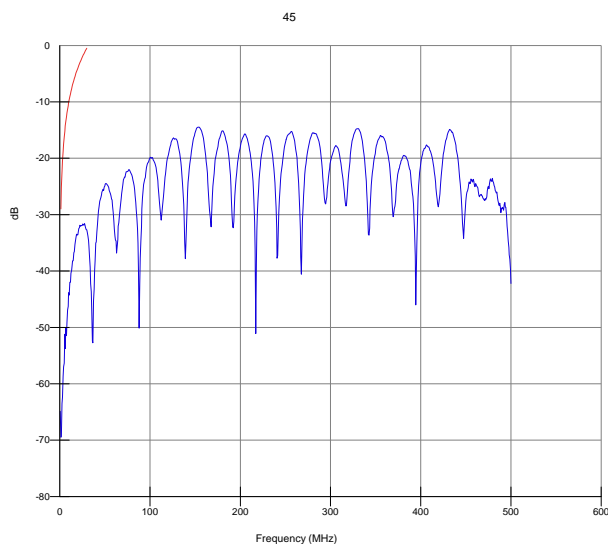




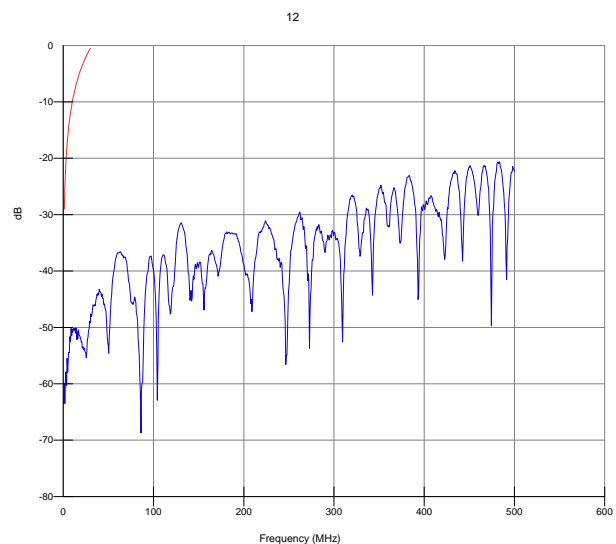
ELTCTL - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

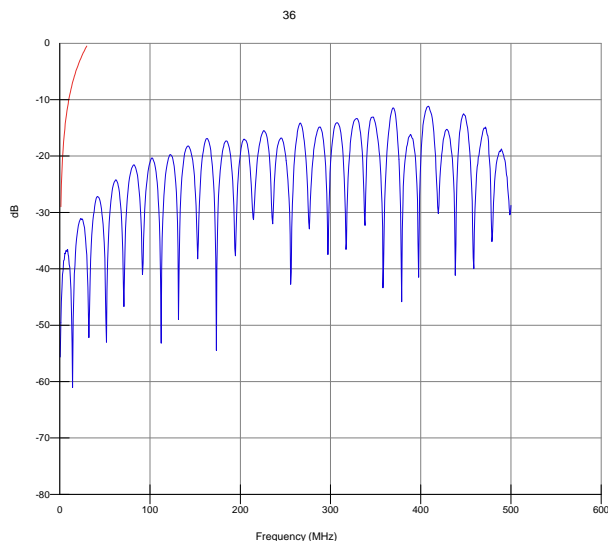
Limit Margin : 28.871 dB @ 22.353 MHz



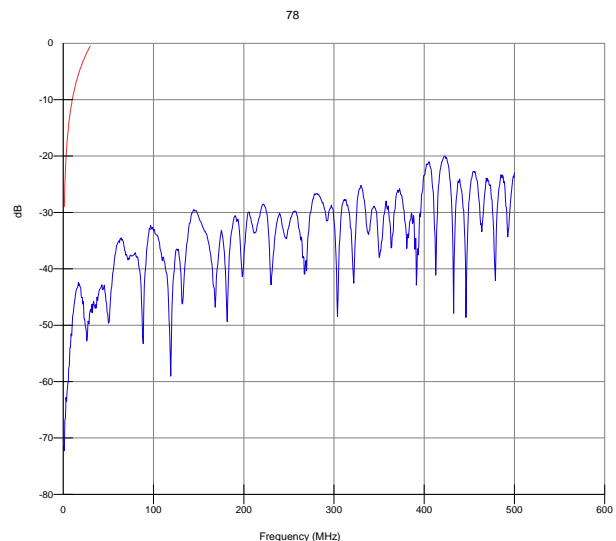
Limit Margin : 30.967 dB @ 1.124 MHz



Limit Margin : 20.513 dB @ 1.124 MHz



Limit Margin : 36.840 dB @ 16.734 MHz

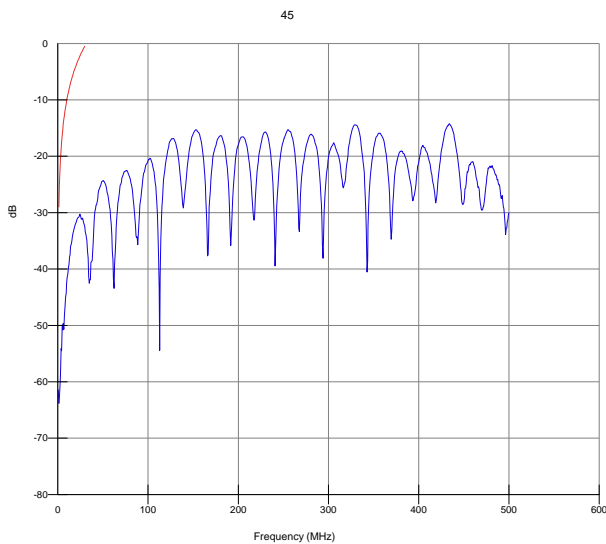




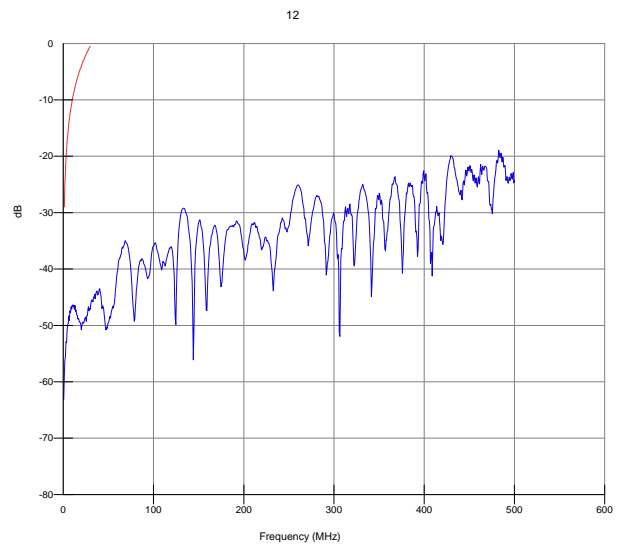
ELTCTL - Far End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	A
Operator Name	David Ayers	Test Status	Complies

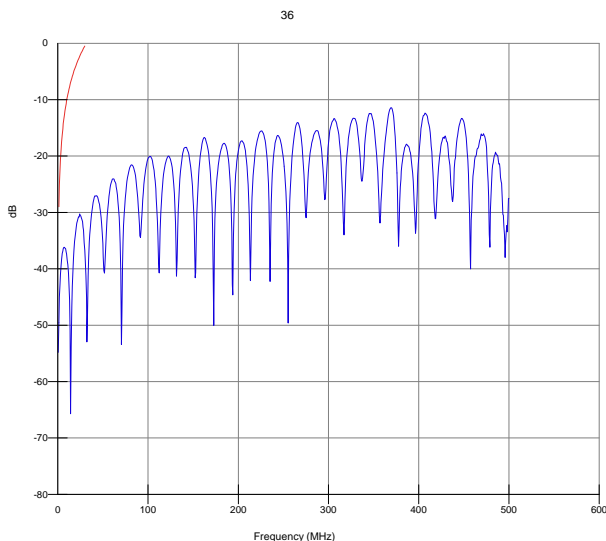
Limit Margin : 27.756 dB @ 21.104 MHz



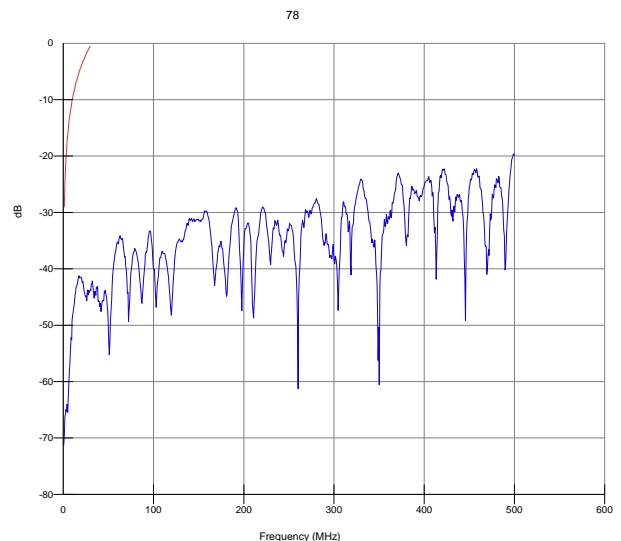
Limit Margin : 29.628 dB @ 1.124 MHz



Limit Margin : 19.883 dB @ 1.749 MHz



Limit Margin : 35.984 dB @ 17.358 MHz





Schneider Electric India Pvt. Ltd.,

Test report number 102797115CRT-001a
November 11, 2016

Appendix B

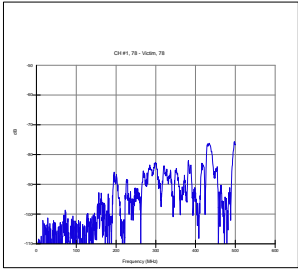
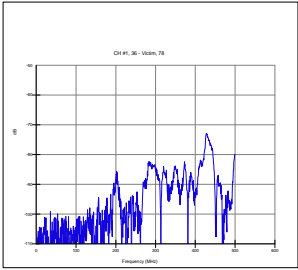
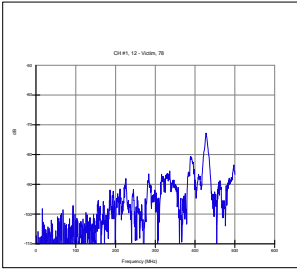
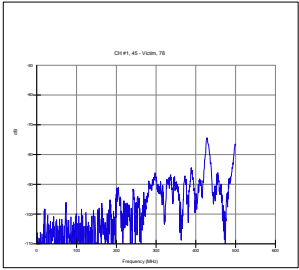
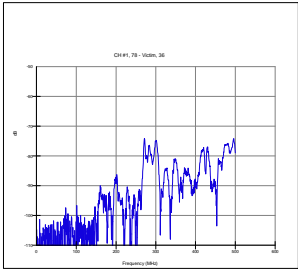
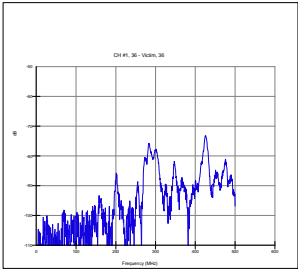
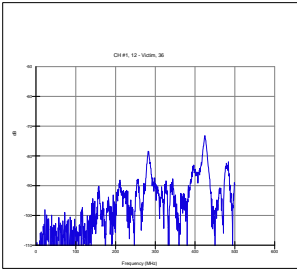
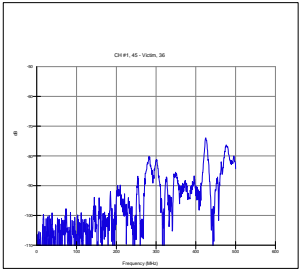
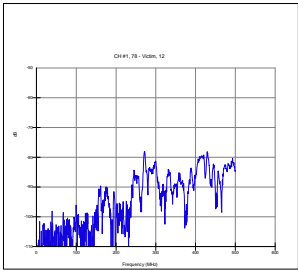
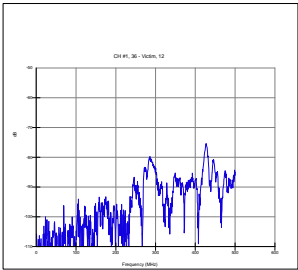
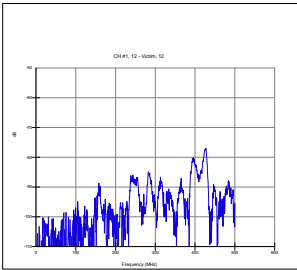
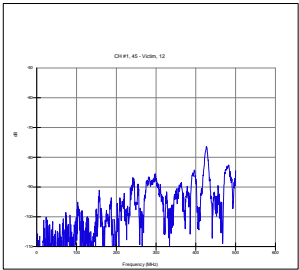
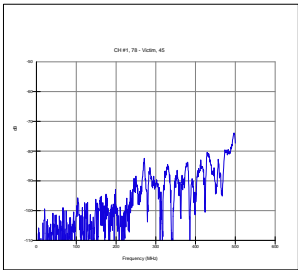
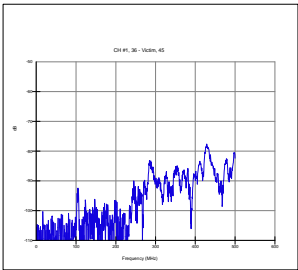
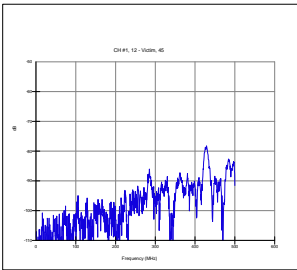
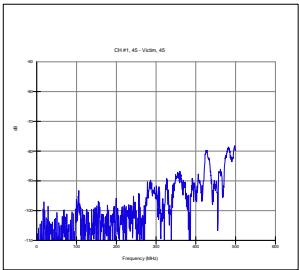
External (alien) test results

This appendix contains 24 pages.



ANEXT - Near End

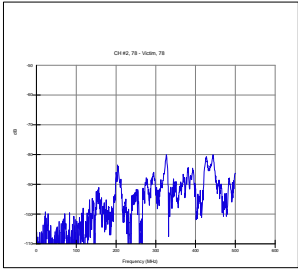
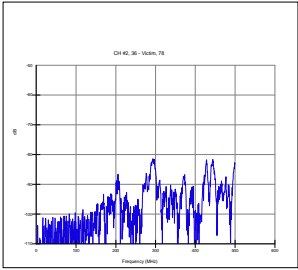
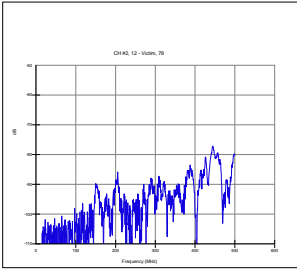
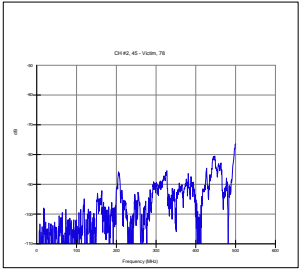
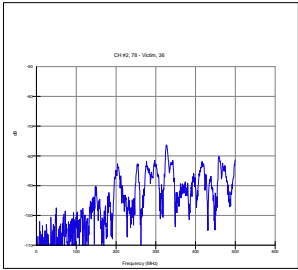
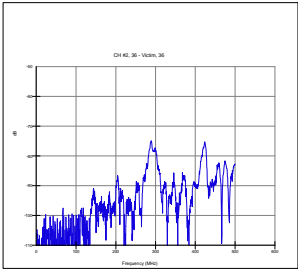
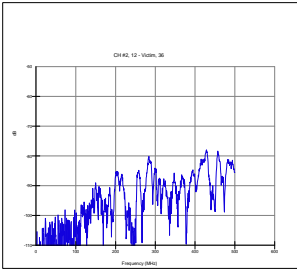
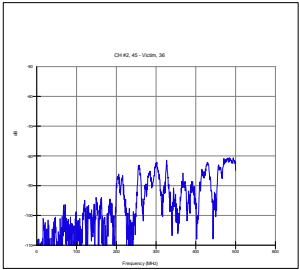
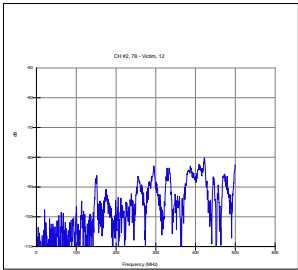
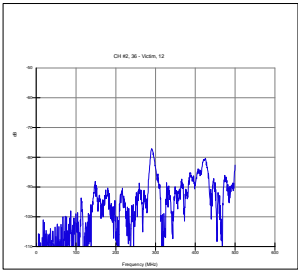
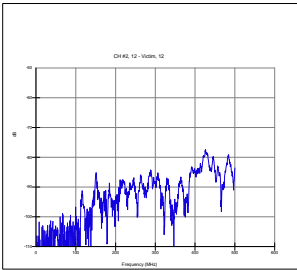
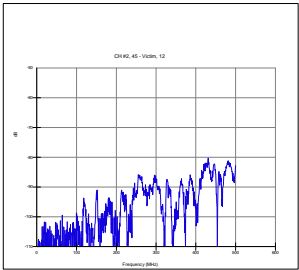
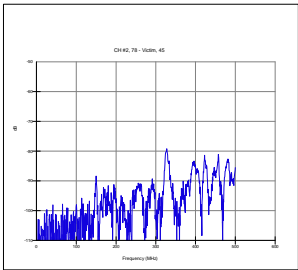
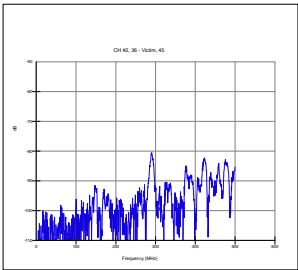
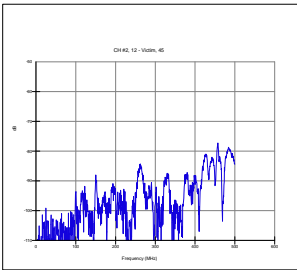
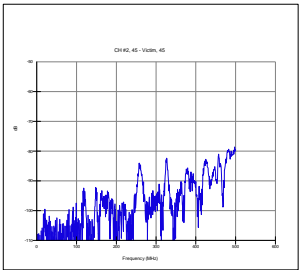
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





ANEXT - Near End

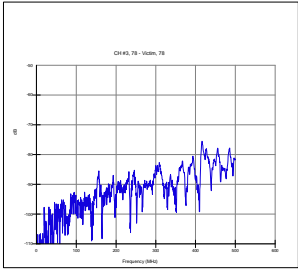
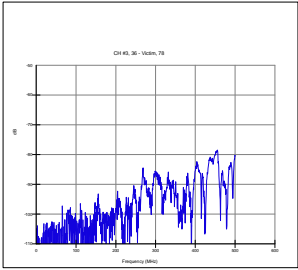
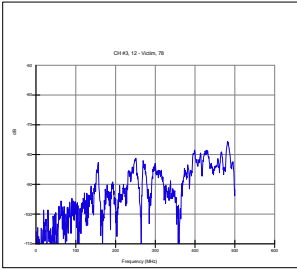
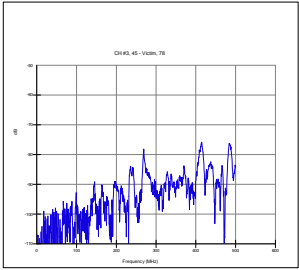
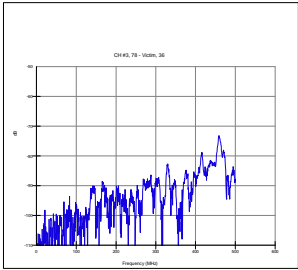
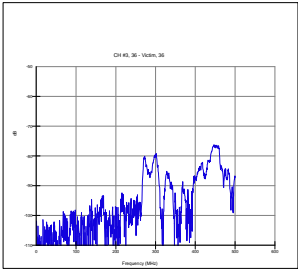
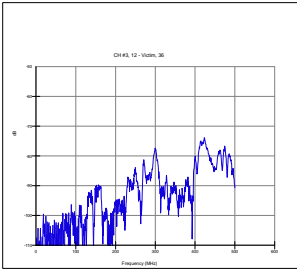
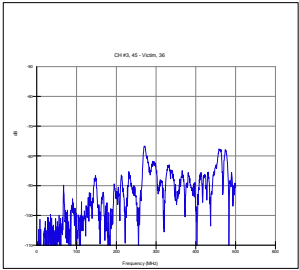
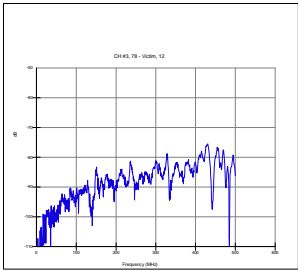
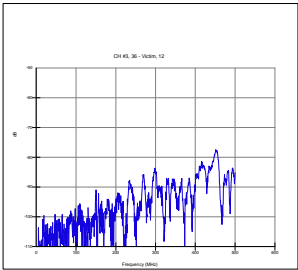
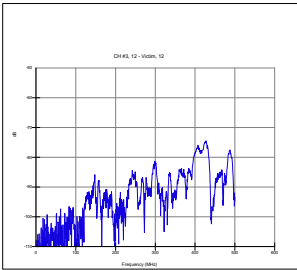
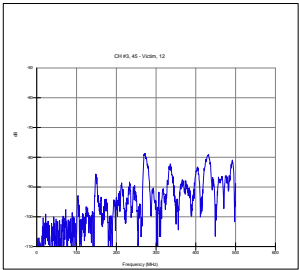
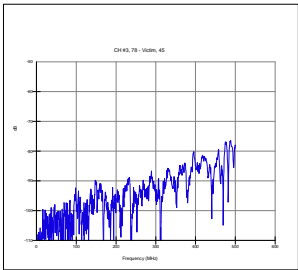
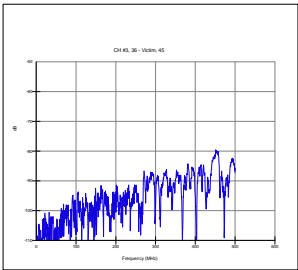
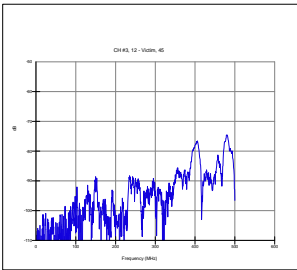
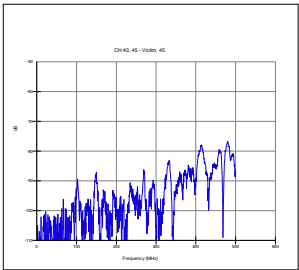
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





ANEXT - Near End

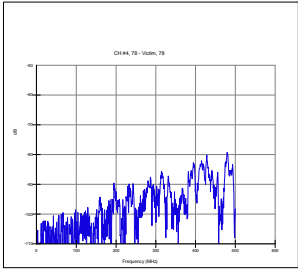
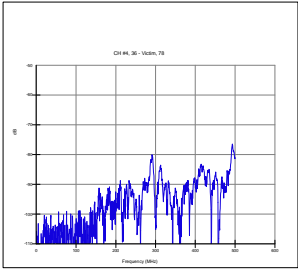
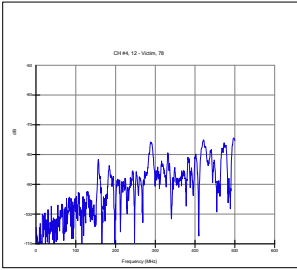
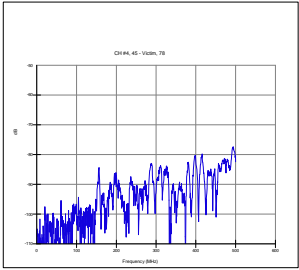
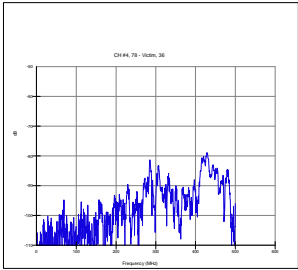
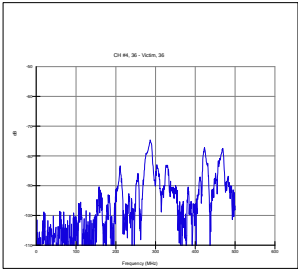
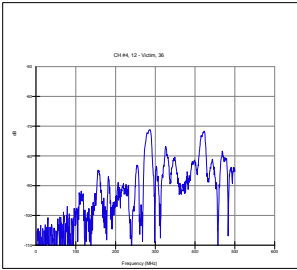
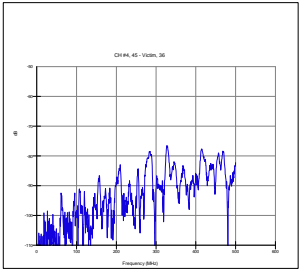
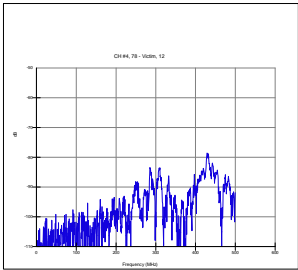
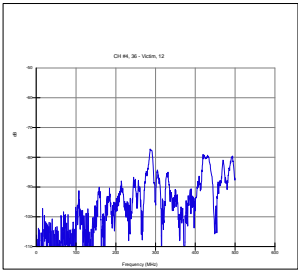
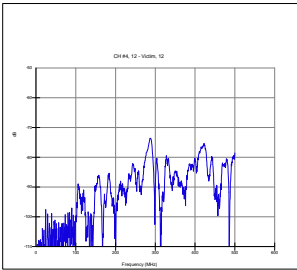
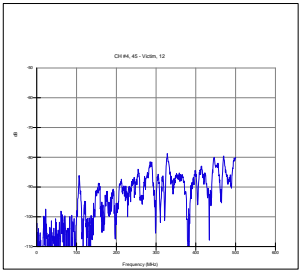
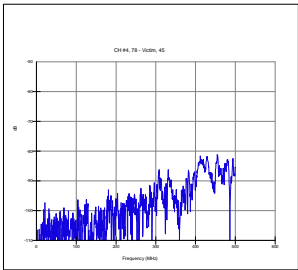
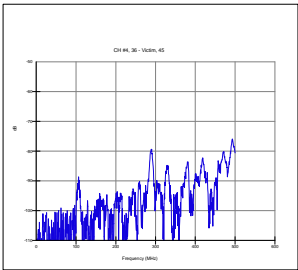
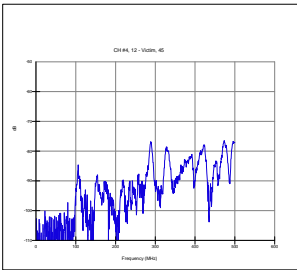
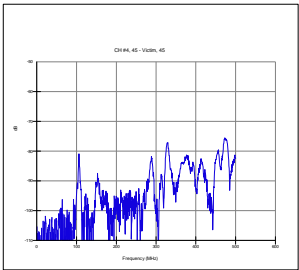
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
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ANEXT - Near End

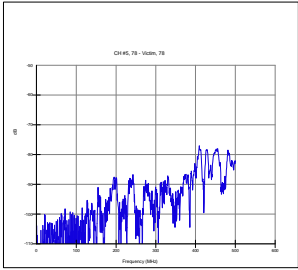
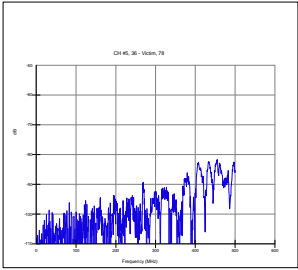
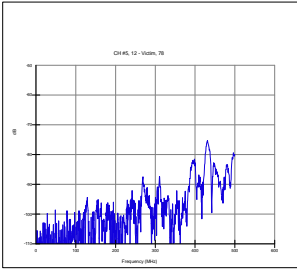
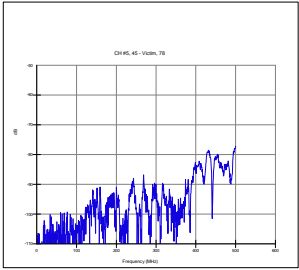
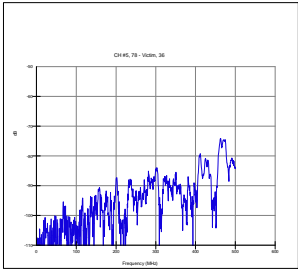
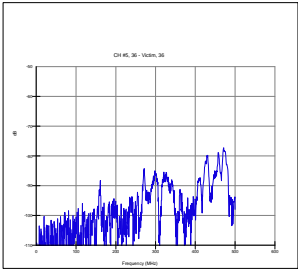
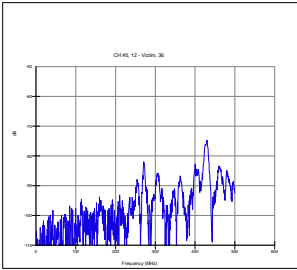
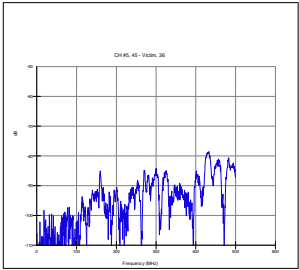
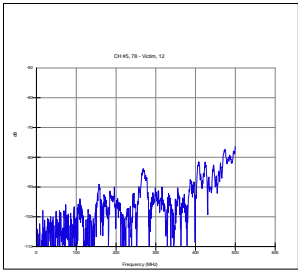
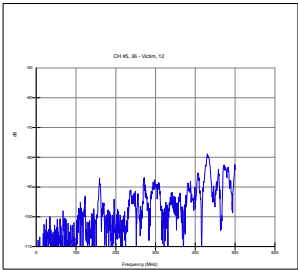
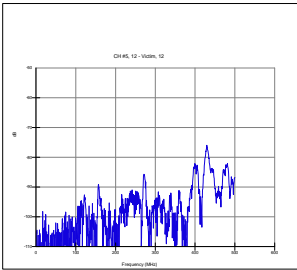
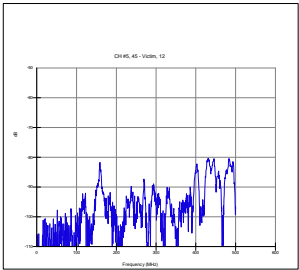
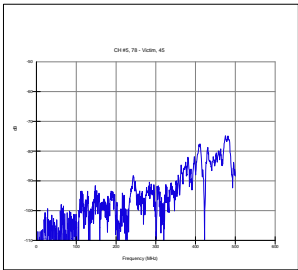
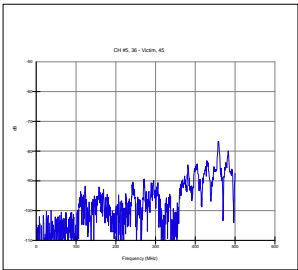
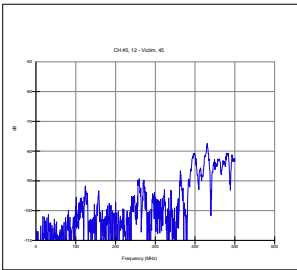
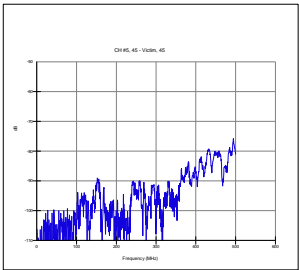
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





ANEXT - Near End

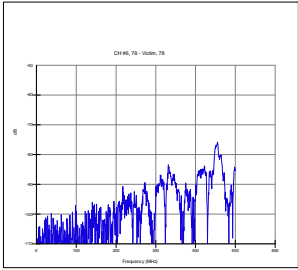
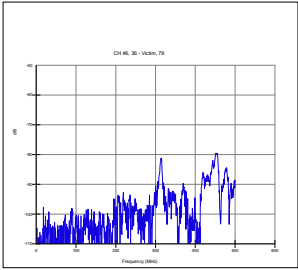
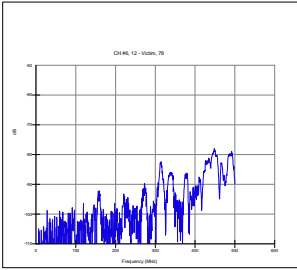
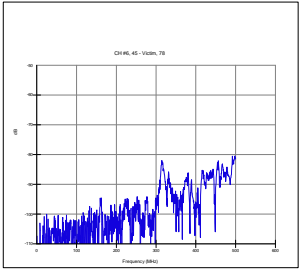
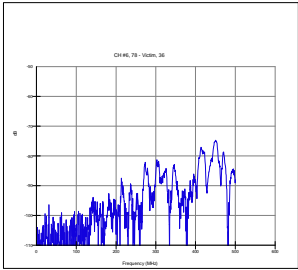
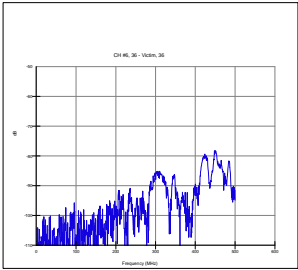
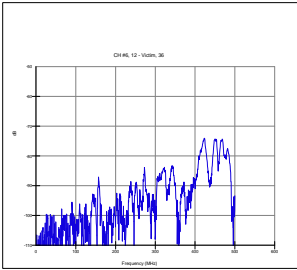
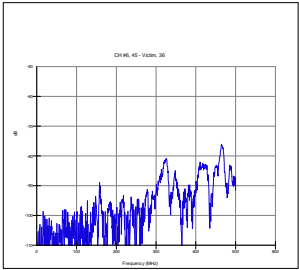
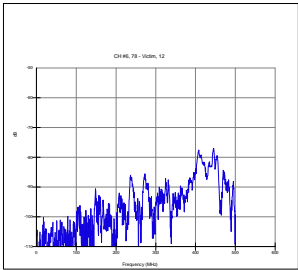
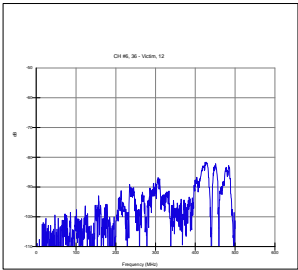
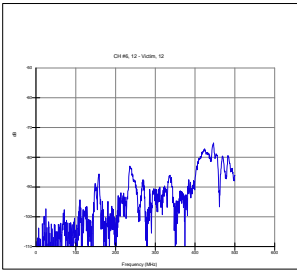
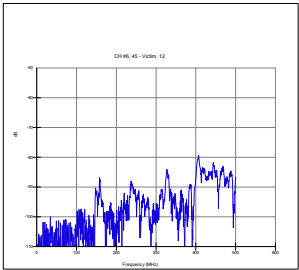
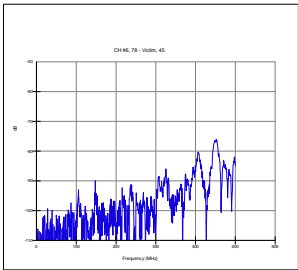
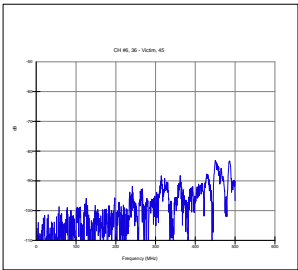
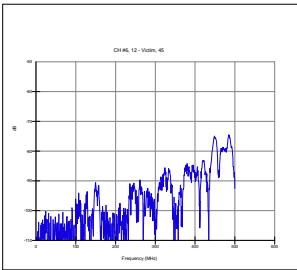
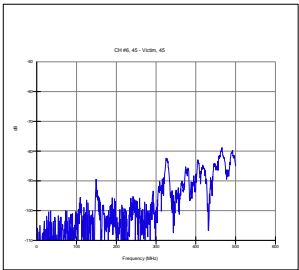
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





ANEXT - Near End

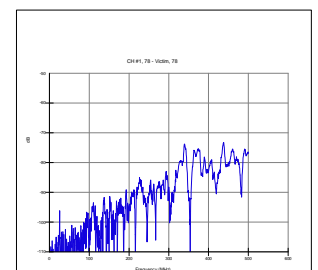
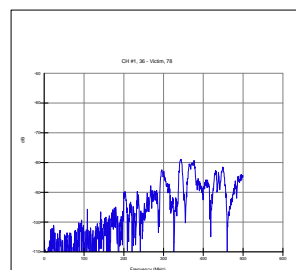
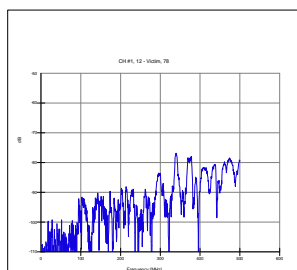
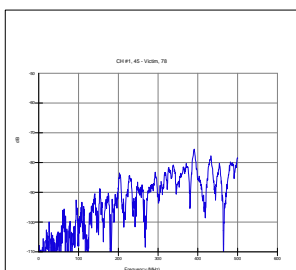
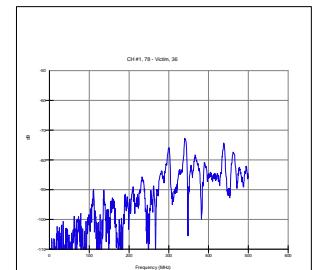
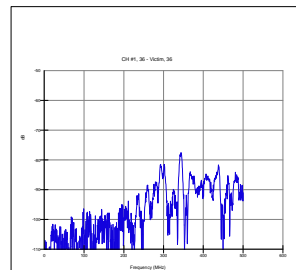
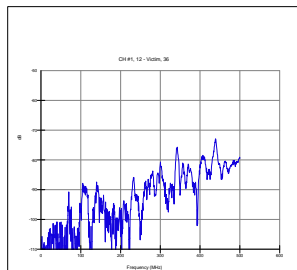
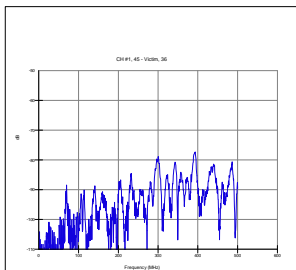
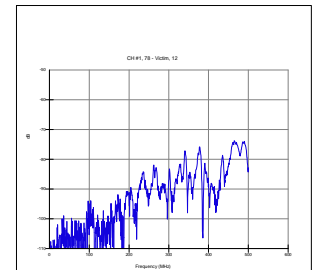
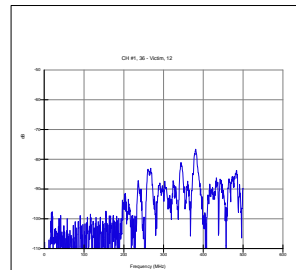
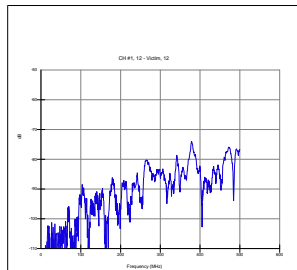
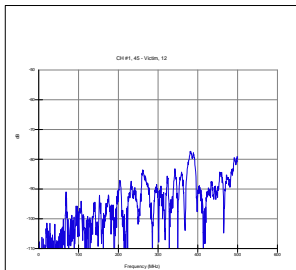
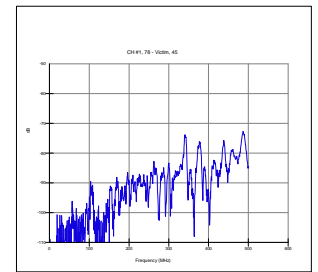
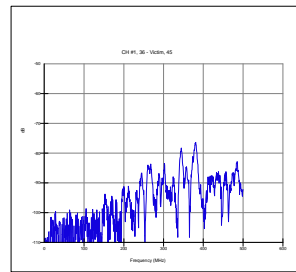
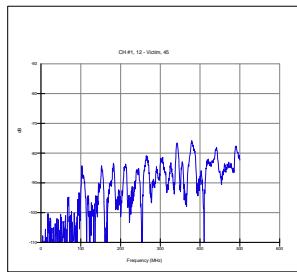
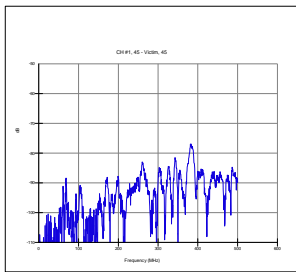
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





ANEXT - Far End

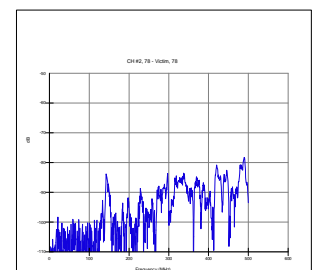
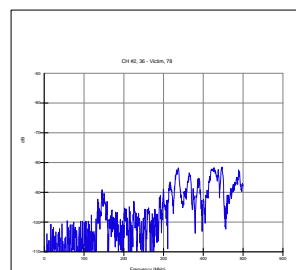
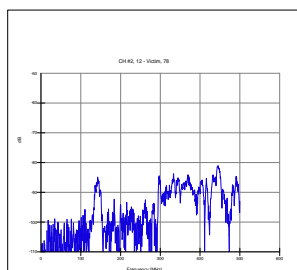
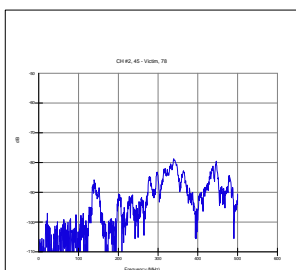
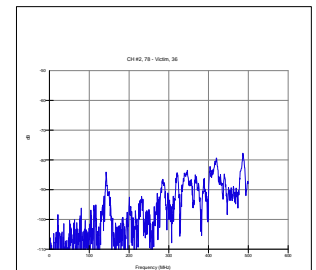
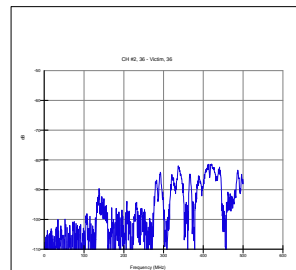
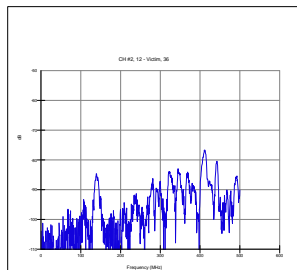
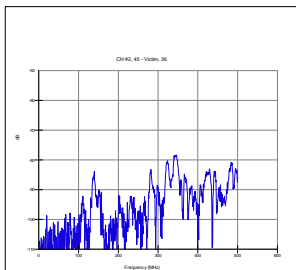
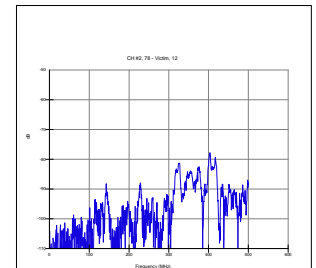
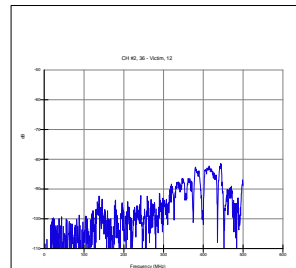
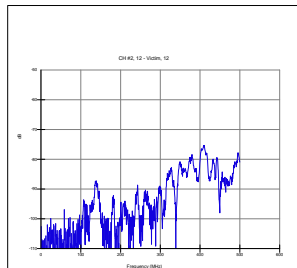
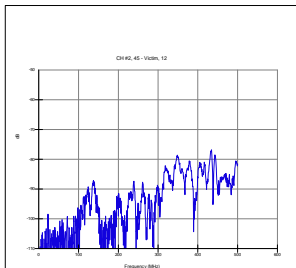
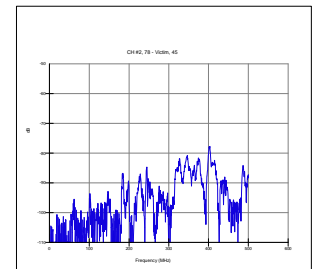
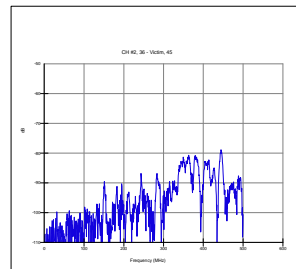
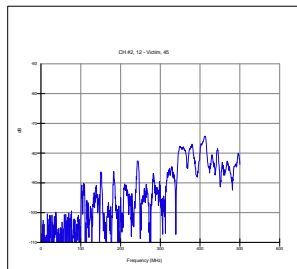
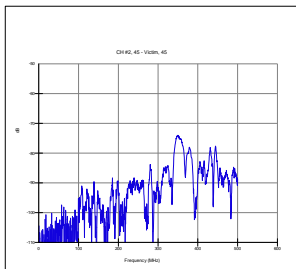
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





ANEXT - Far End

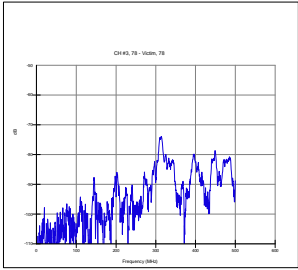
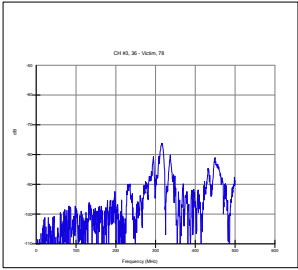
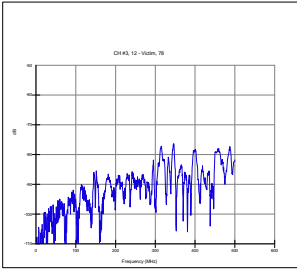
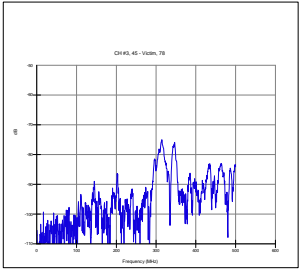
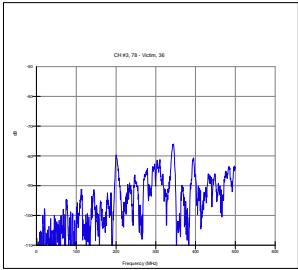
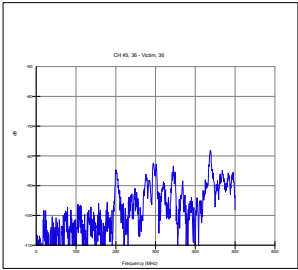
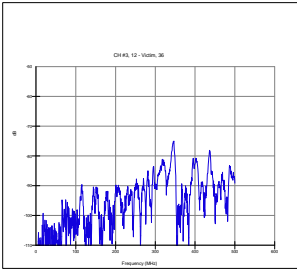
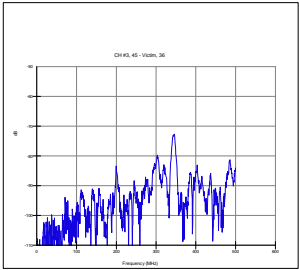
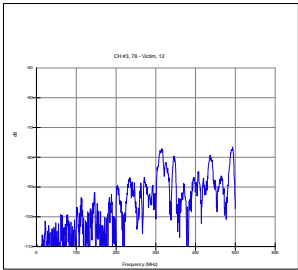
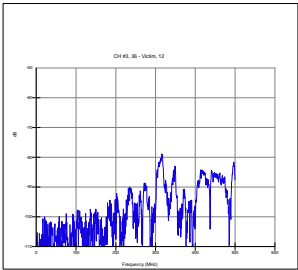
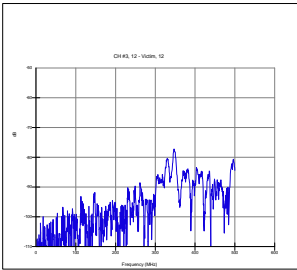
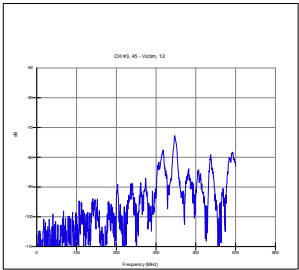
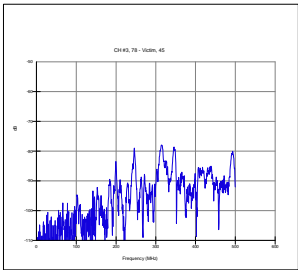
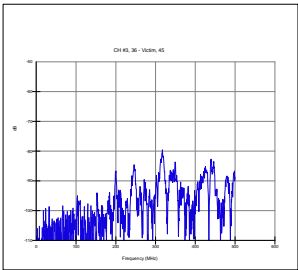
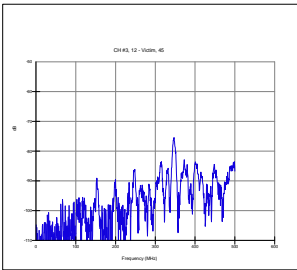
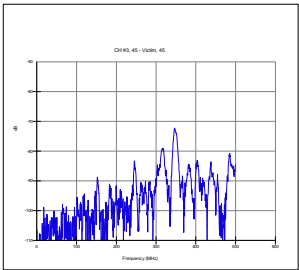
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





ANEXT - Far End

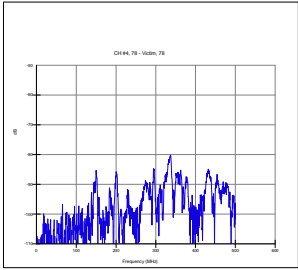
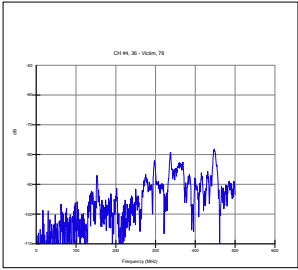
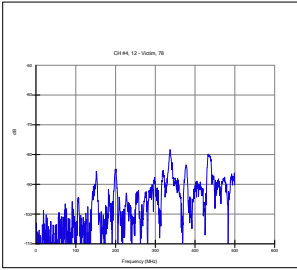
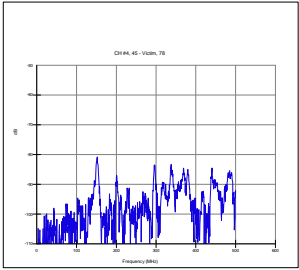
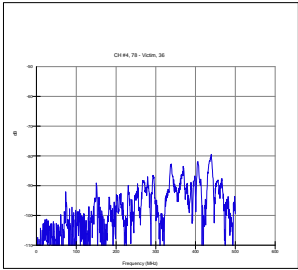
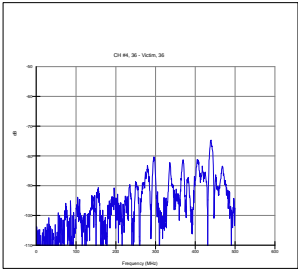
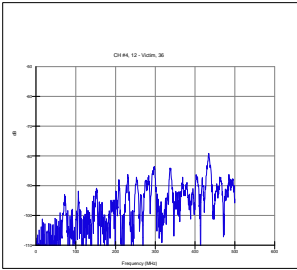
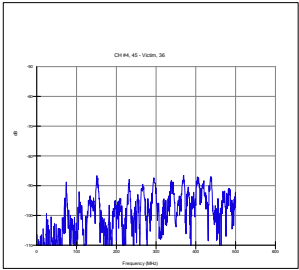
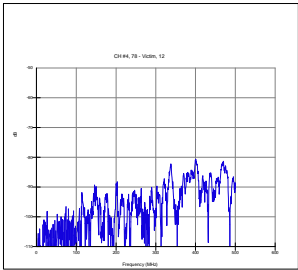
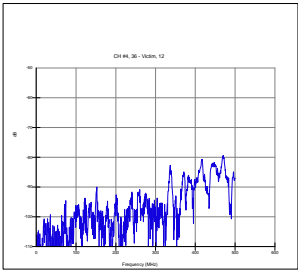
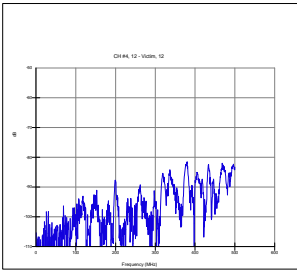
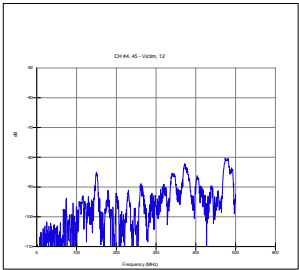
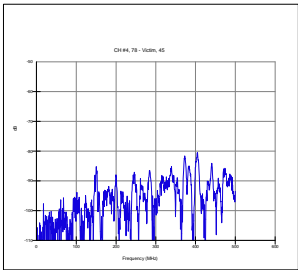
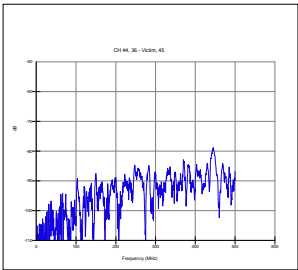
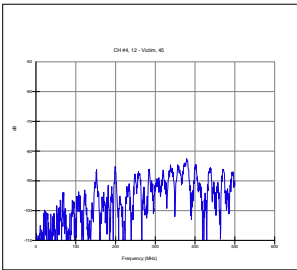
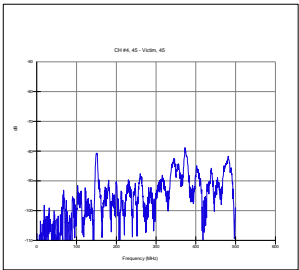
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





ANEXT - Far End

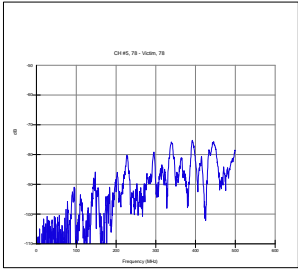
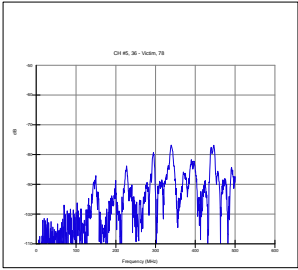
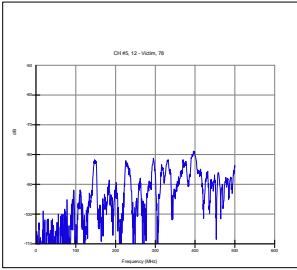
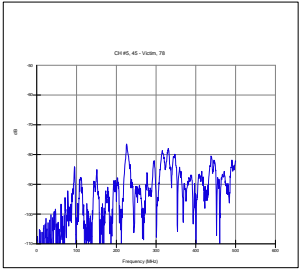
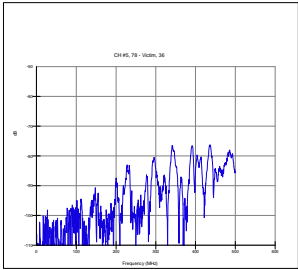
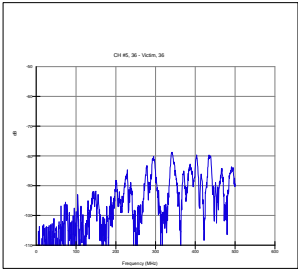
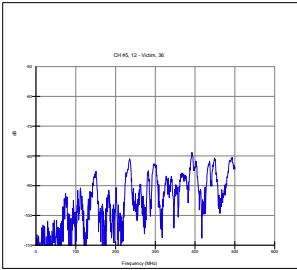
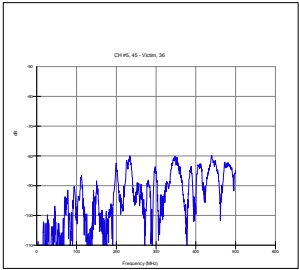
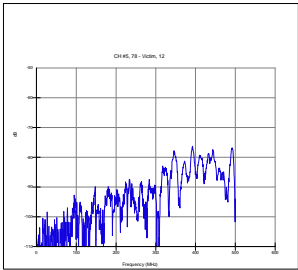
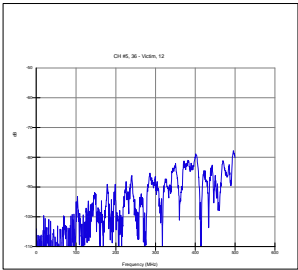
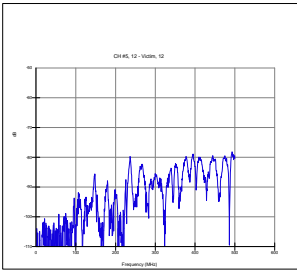
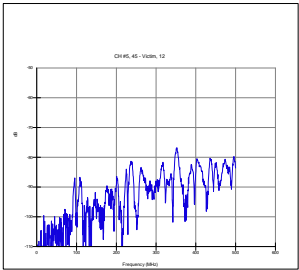
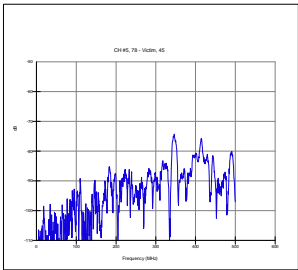
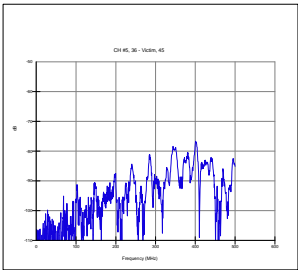
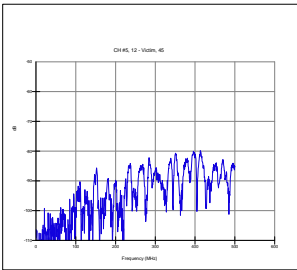
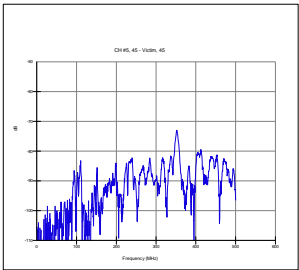
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





ANEXT - Far End

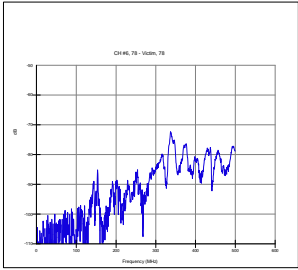
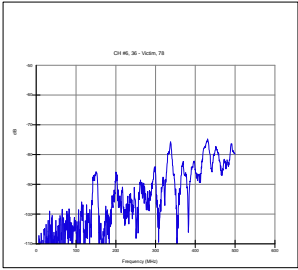
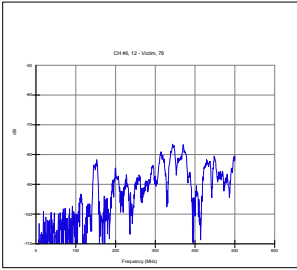
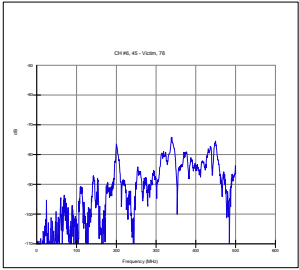
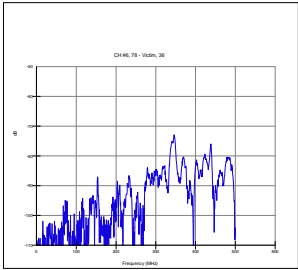
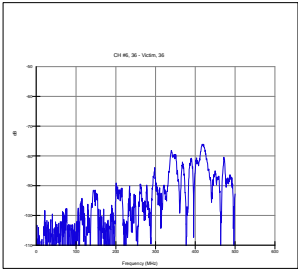
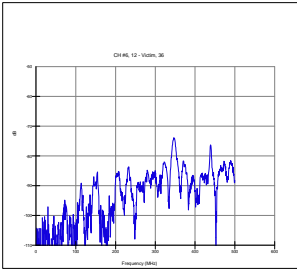
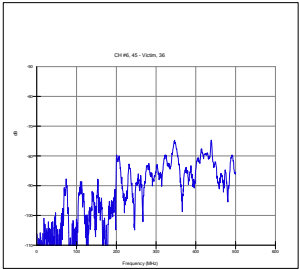
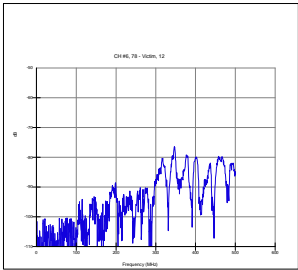
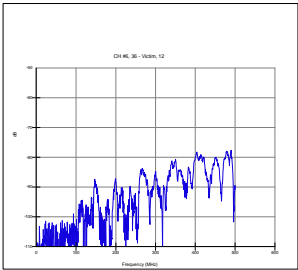
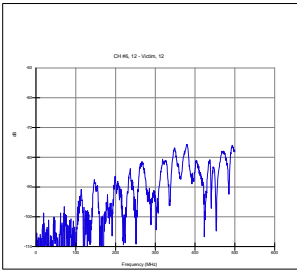
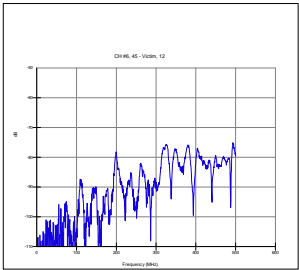
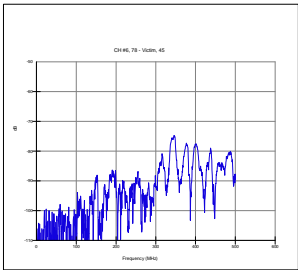
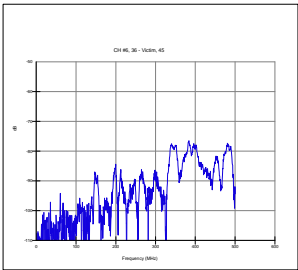
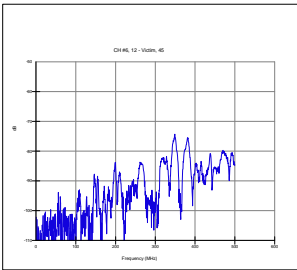
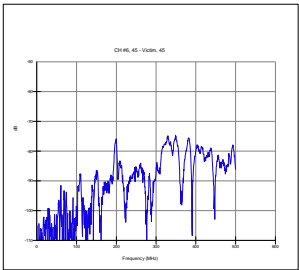
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





ANEXT - Far End

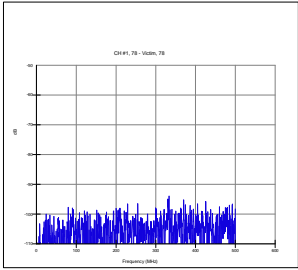
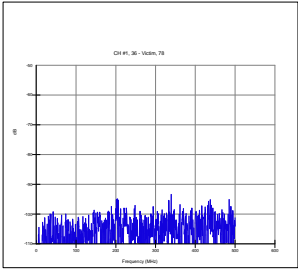
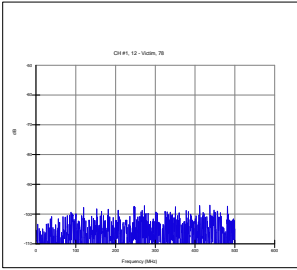
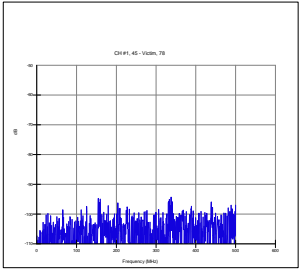
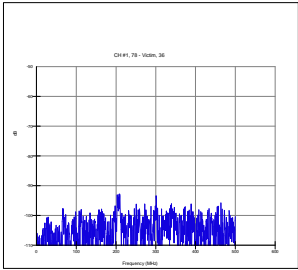
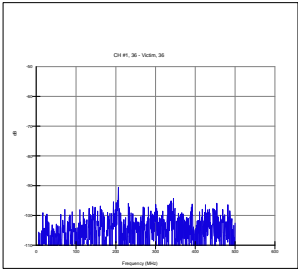
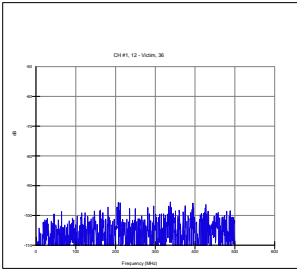
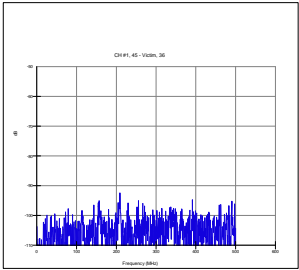
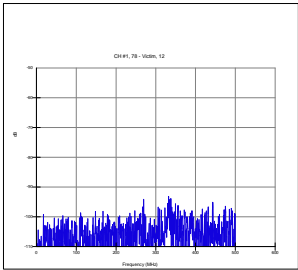
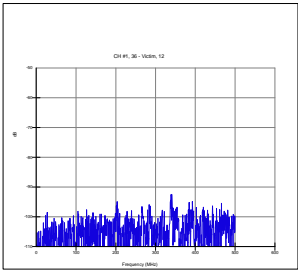
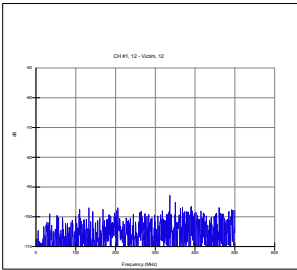
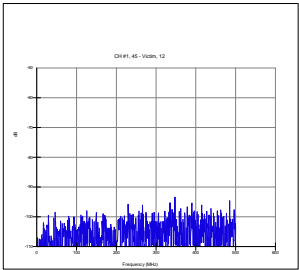
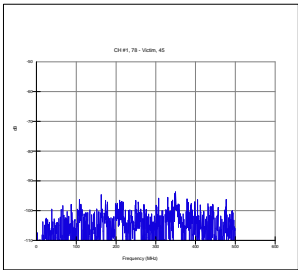
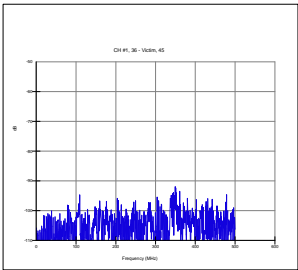
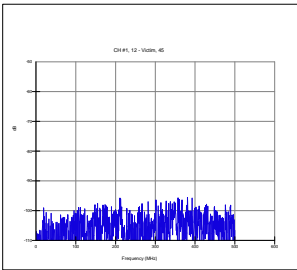
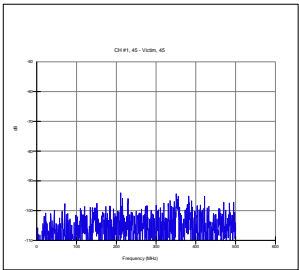
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





AFEXT - Near End

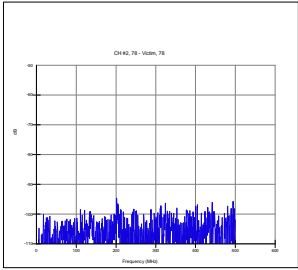
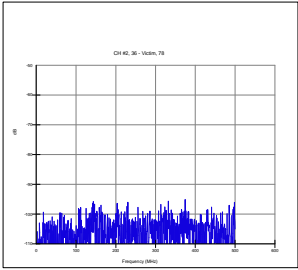
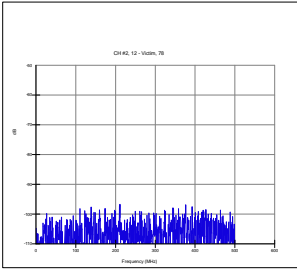
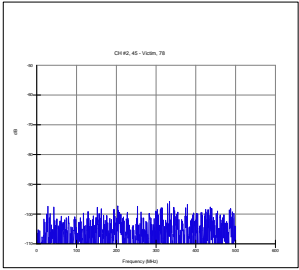
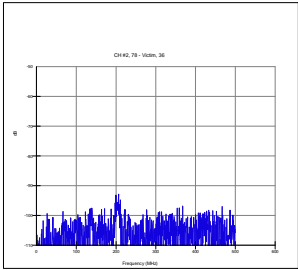
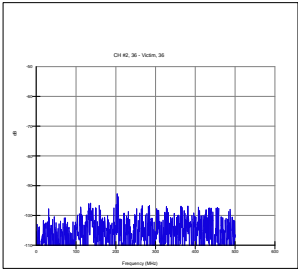
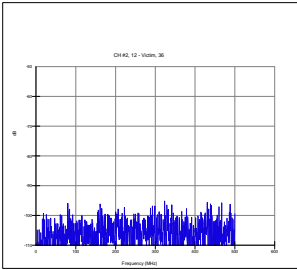
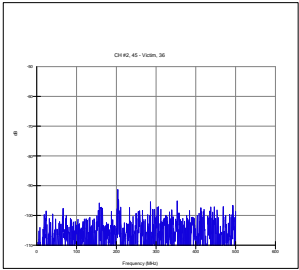
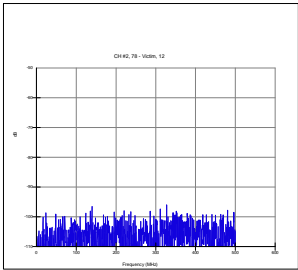
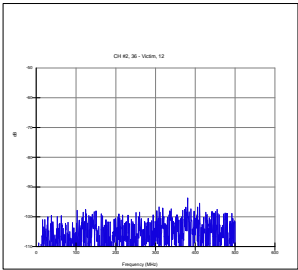
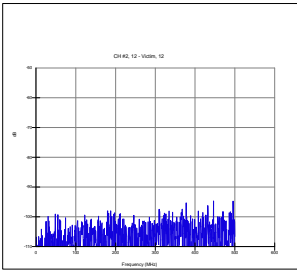
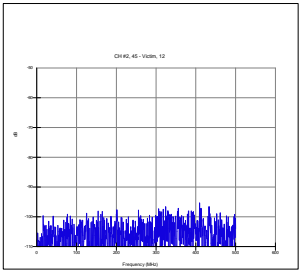
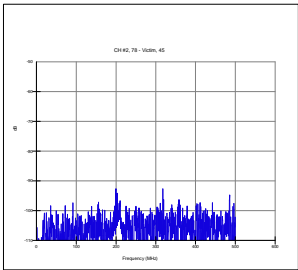
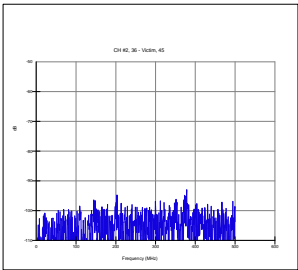
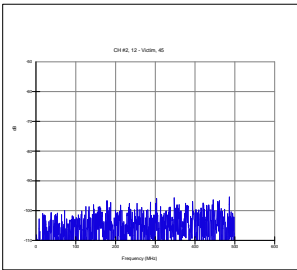
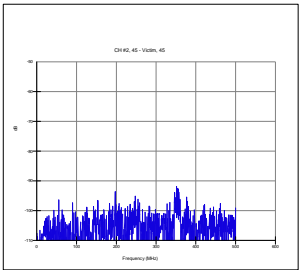
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





AFEXT - Near End

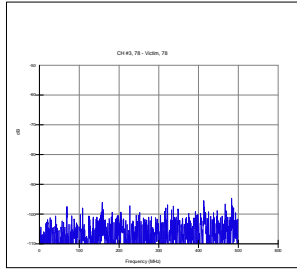
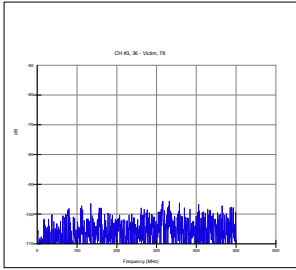
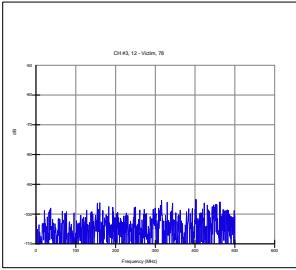
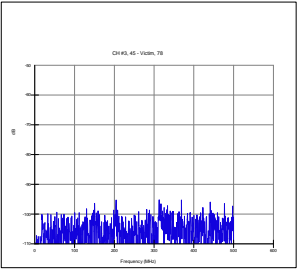
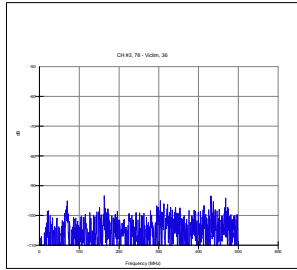
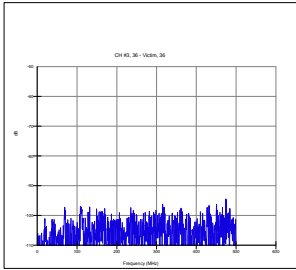
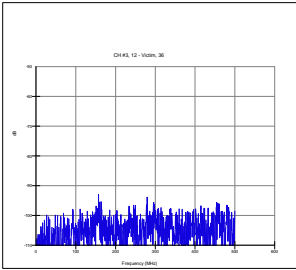
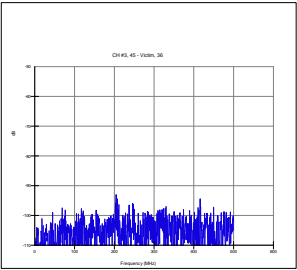
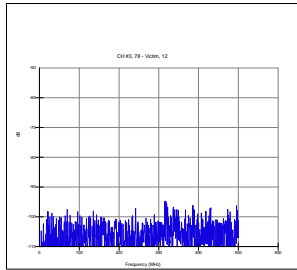
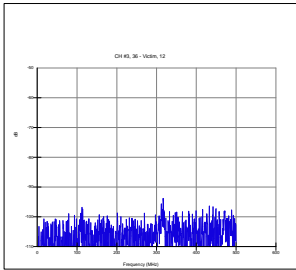
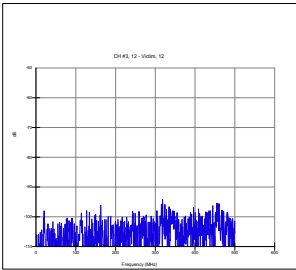
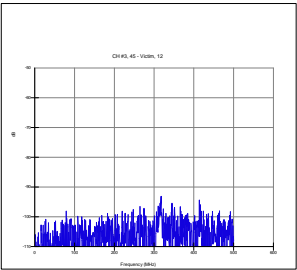
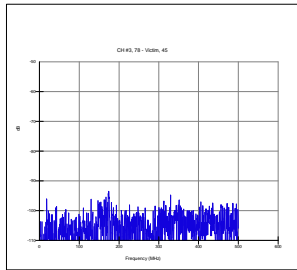
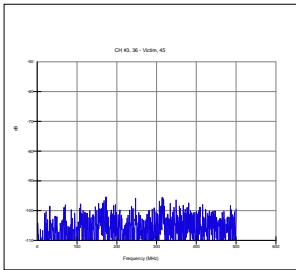
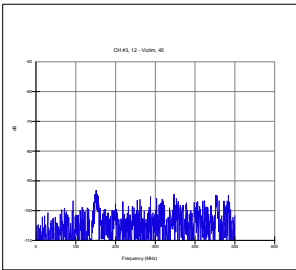
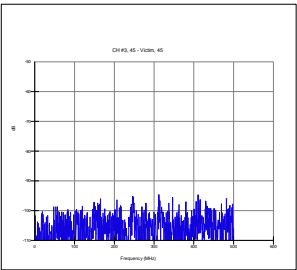
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





AFEXT - Near End

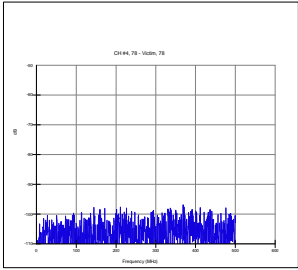
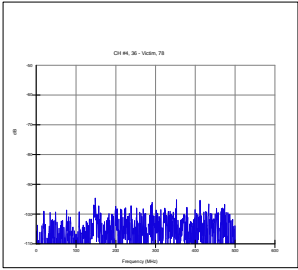
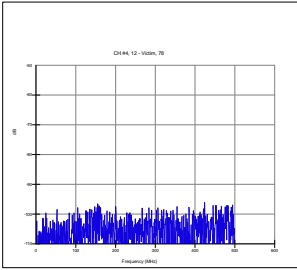
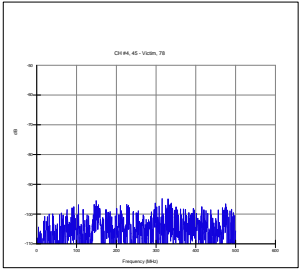
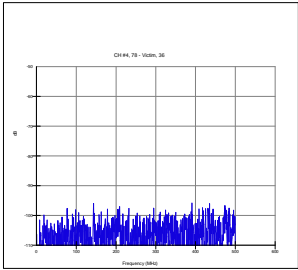
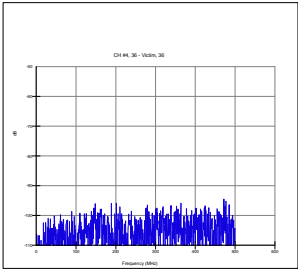
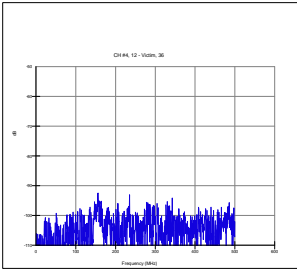
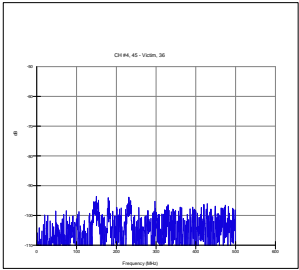
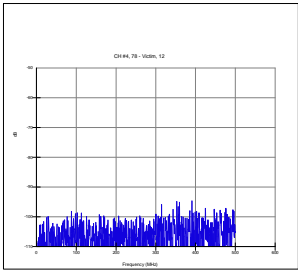
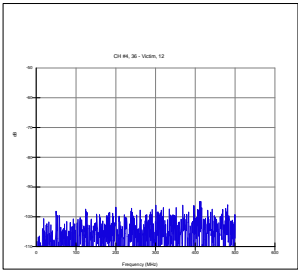
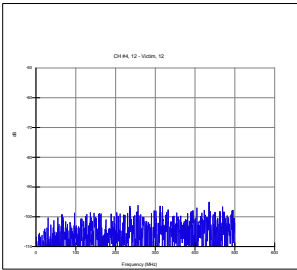
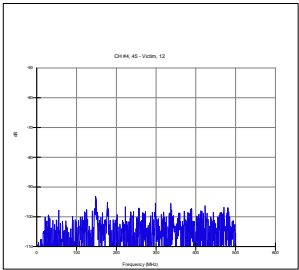
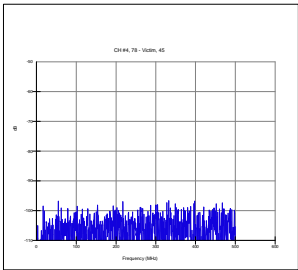
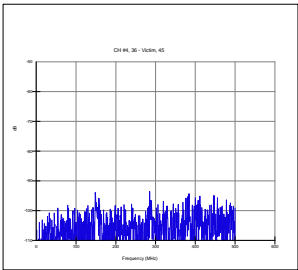
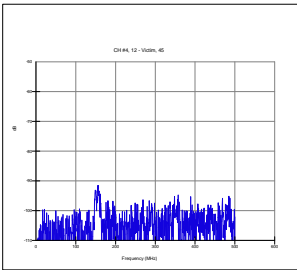
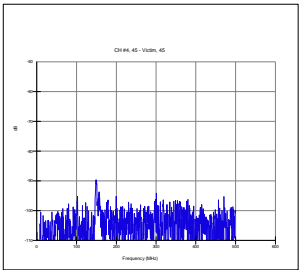
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





AFEXT - Near End

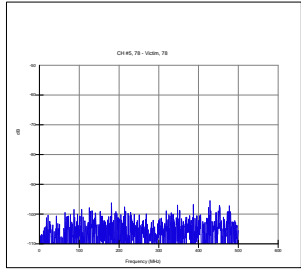
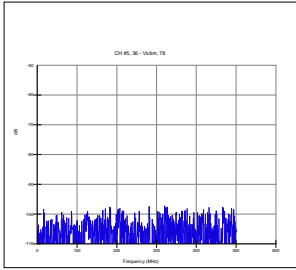
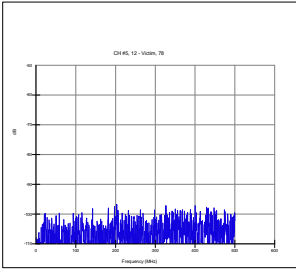
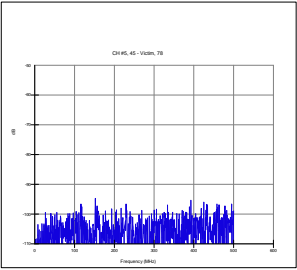
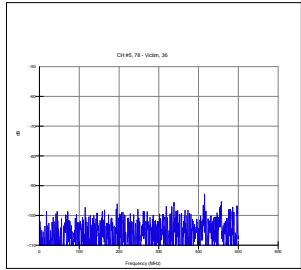
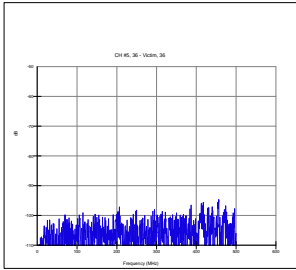
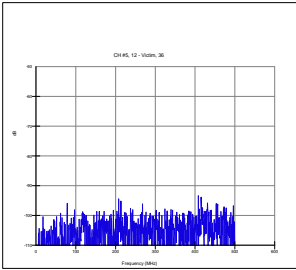
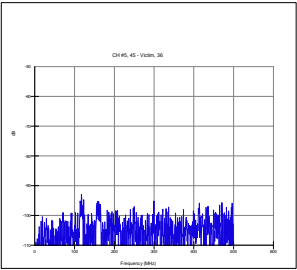
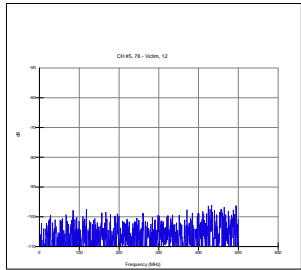
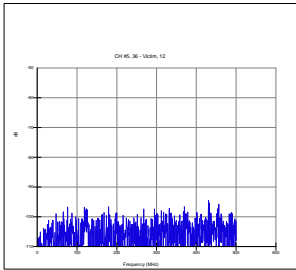
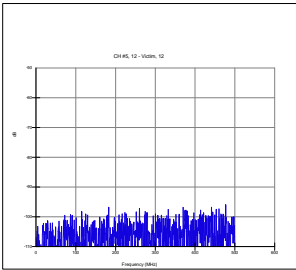
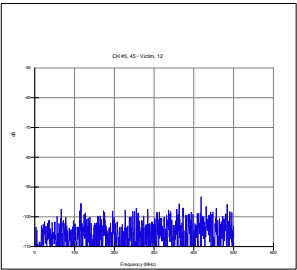
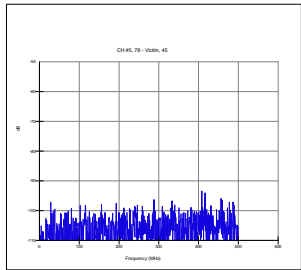
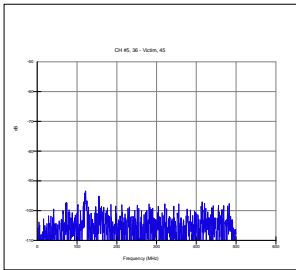
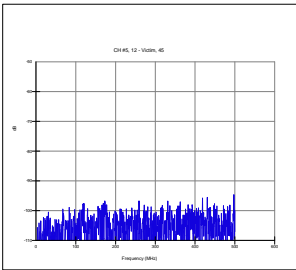
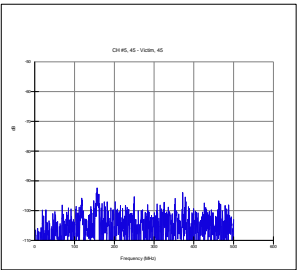
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





AFEXT - Near End

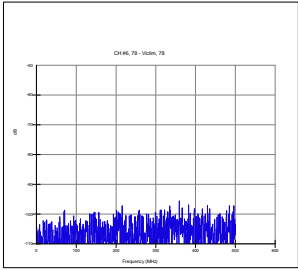
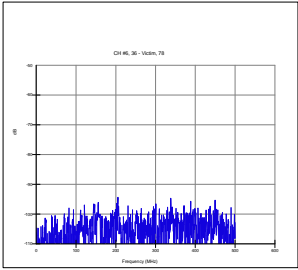
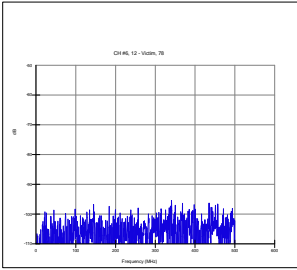
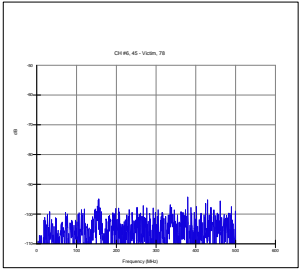
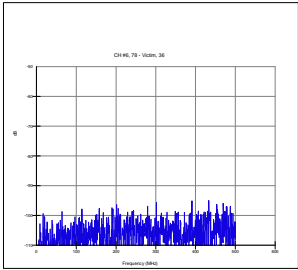
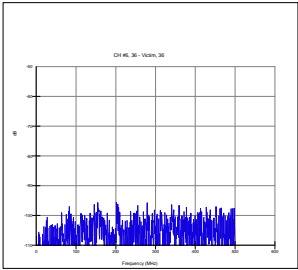
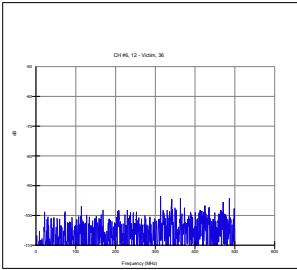
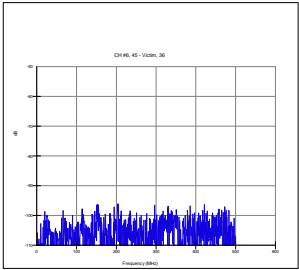
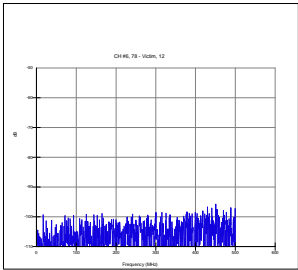
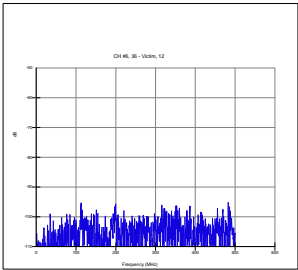
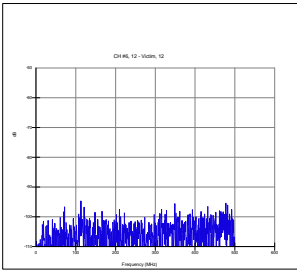
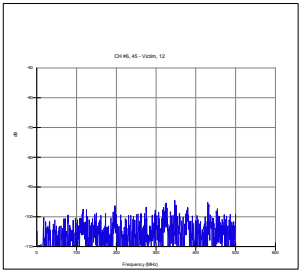
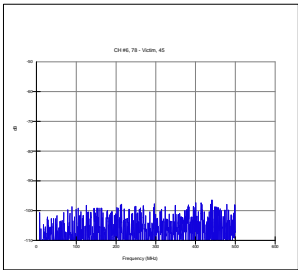
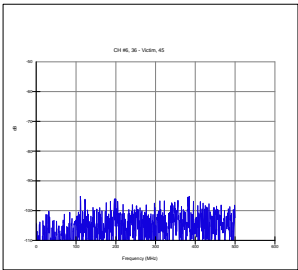
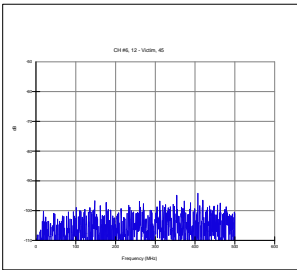
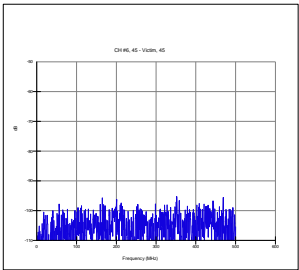
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





AFEXT - Near End

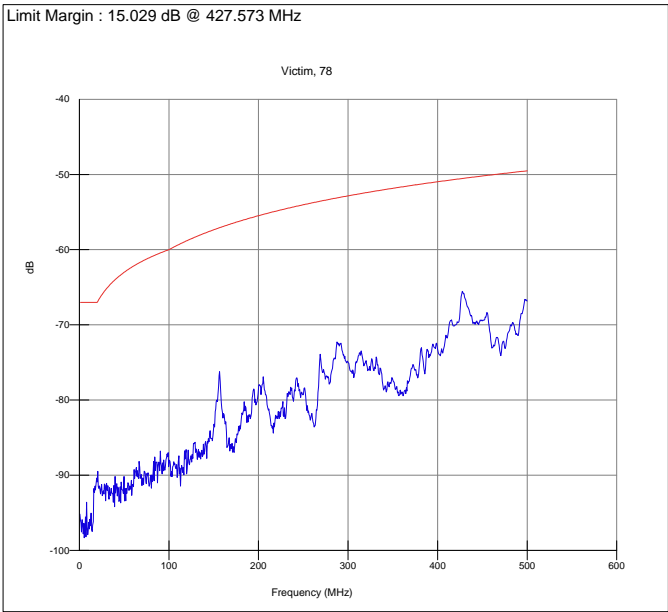
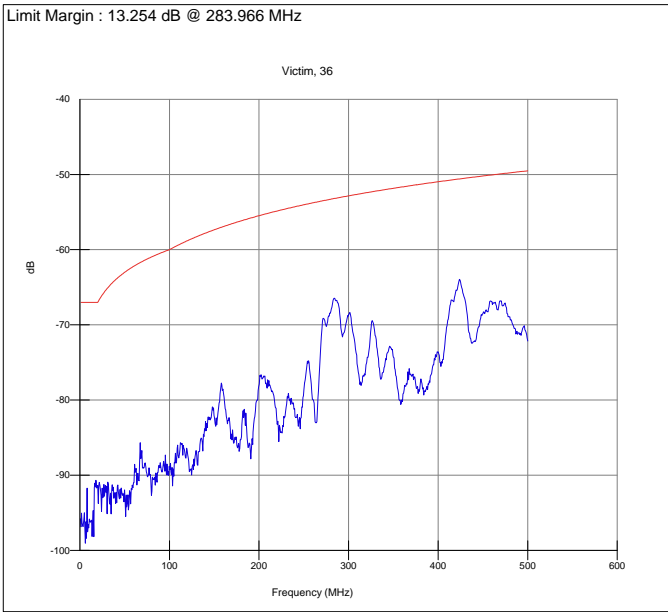
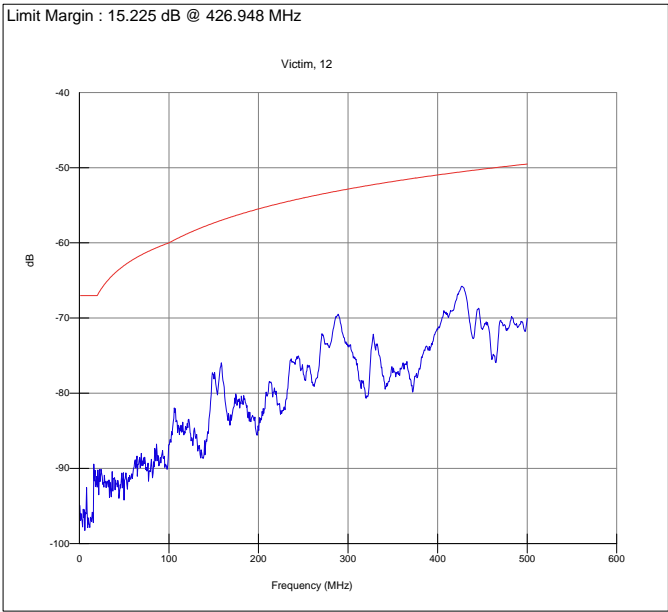
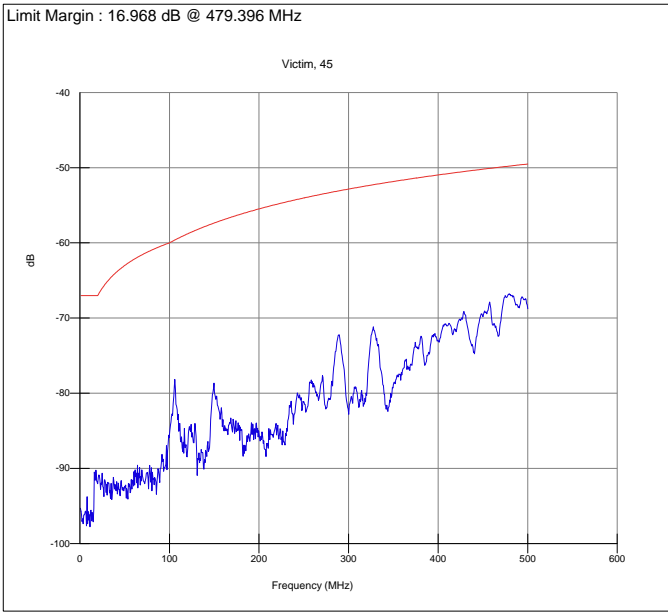
Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





PSANEXT - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies

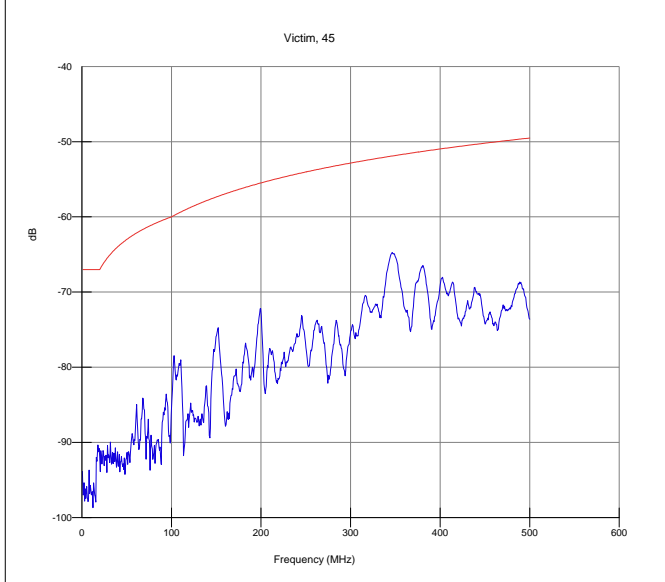




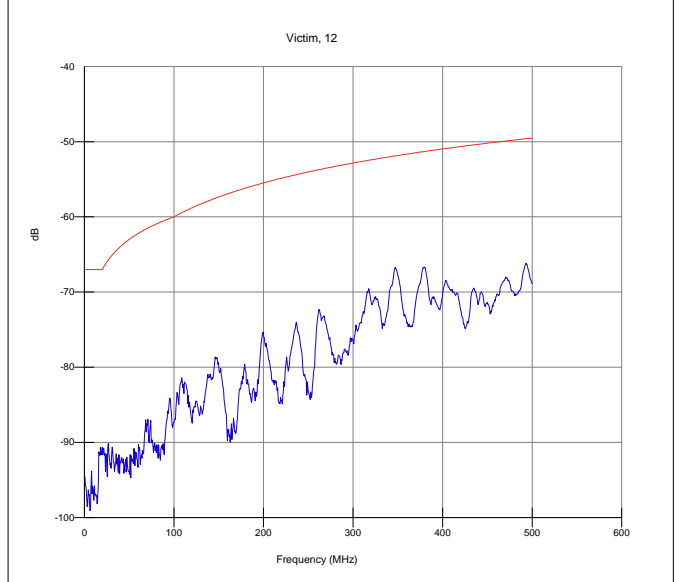
PSANEXT - Far End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies

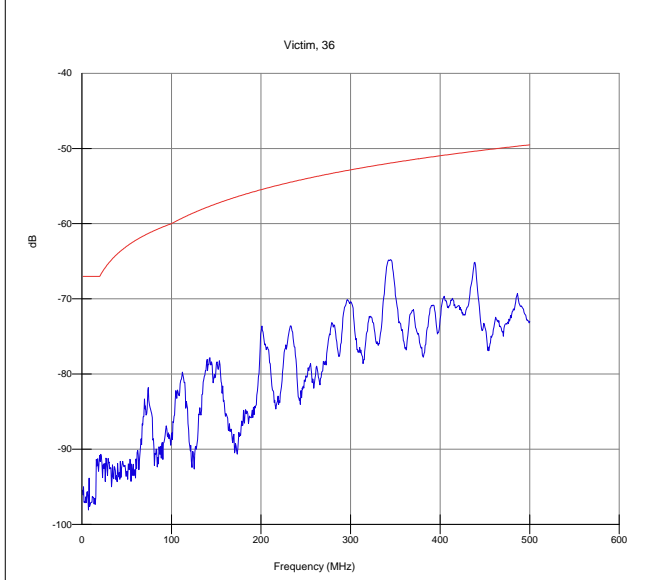
Limit Margin : 12.852 dB @ 346.404 MHz



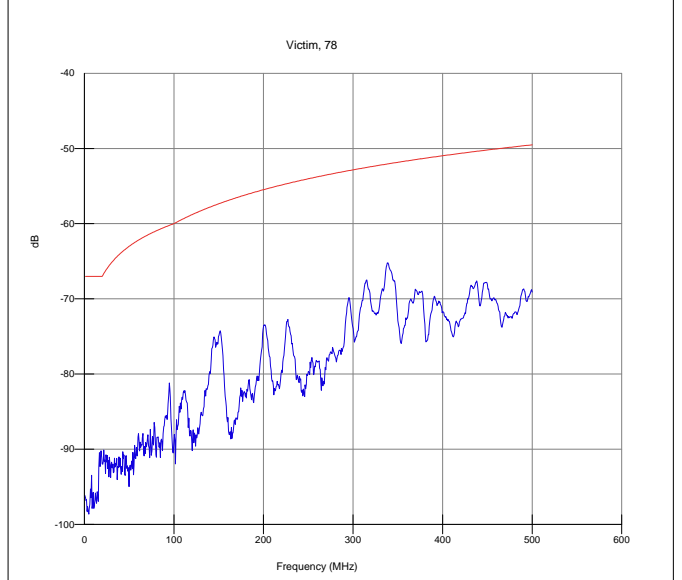
Limit Margin : 14.820 dB @ 347.028 MHz



Limit Margin : 12.841 dB @ 342.658 MHz



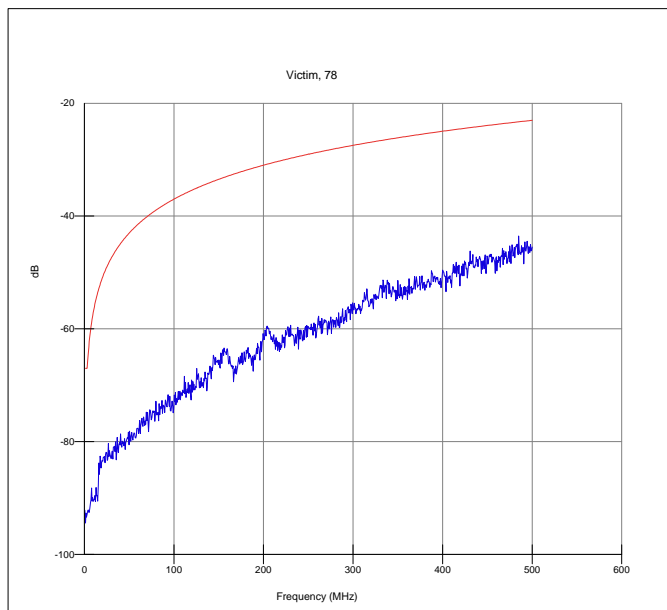
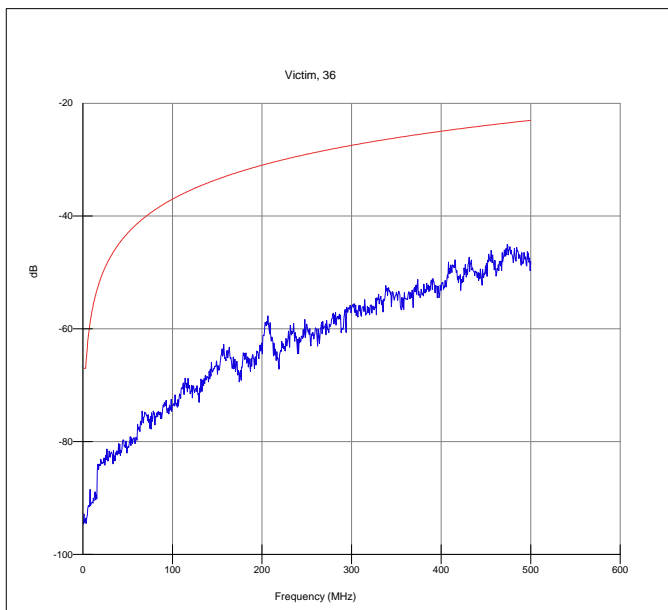
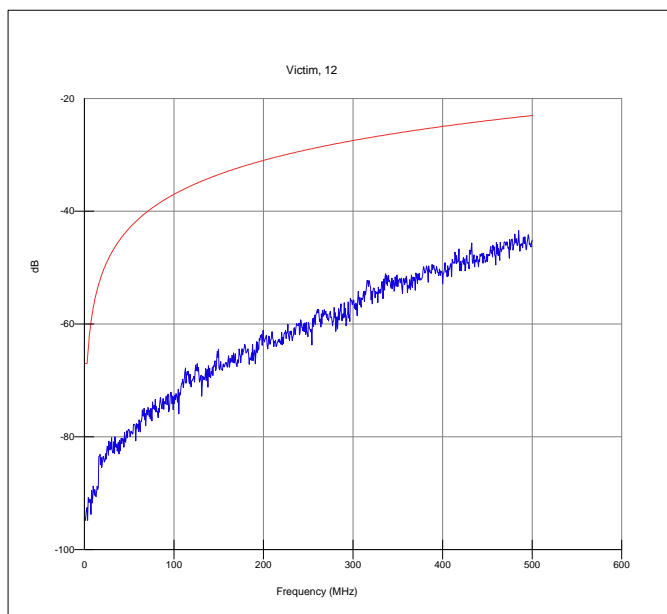
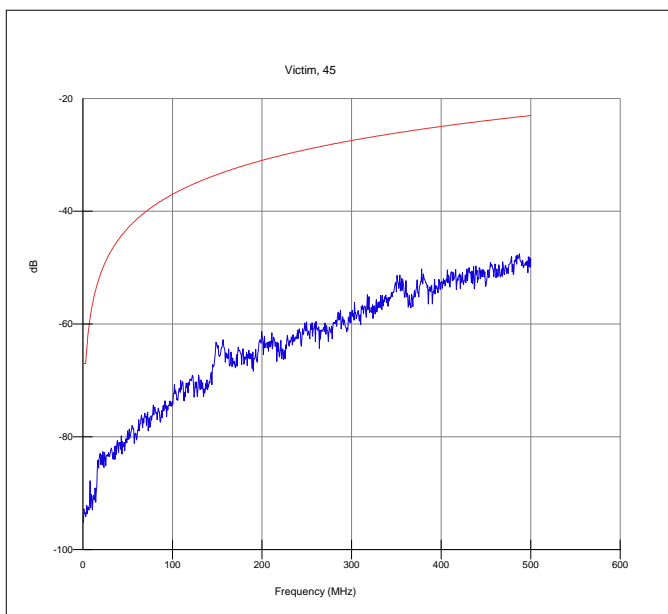
Limit Margin : 13.143 dB @ 338.911 MHz





PSAACRF (PSAELFEXT) - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies

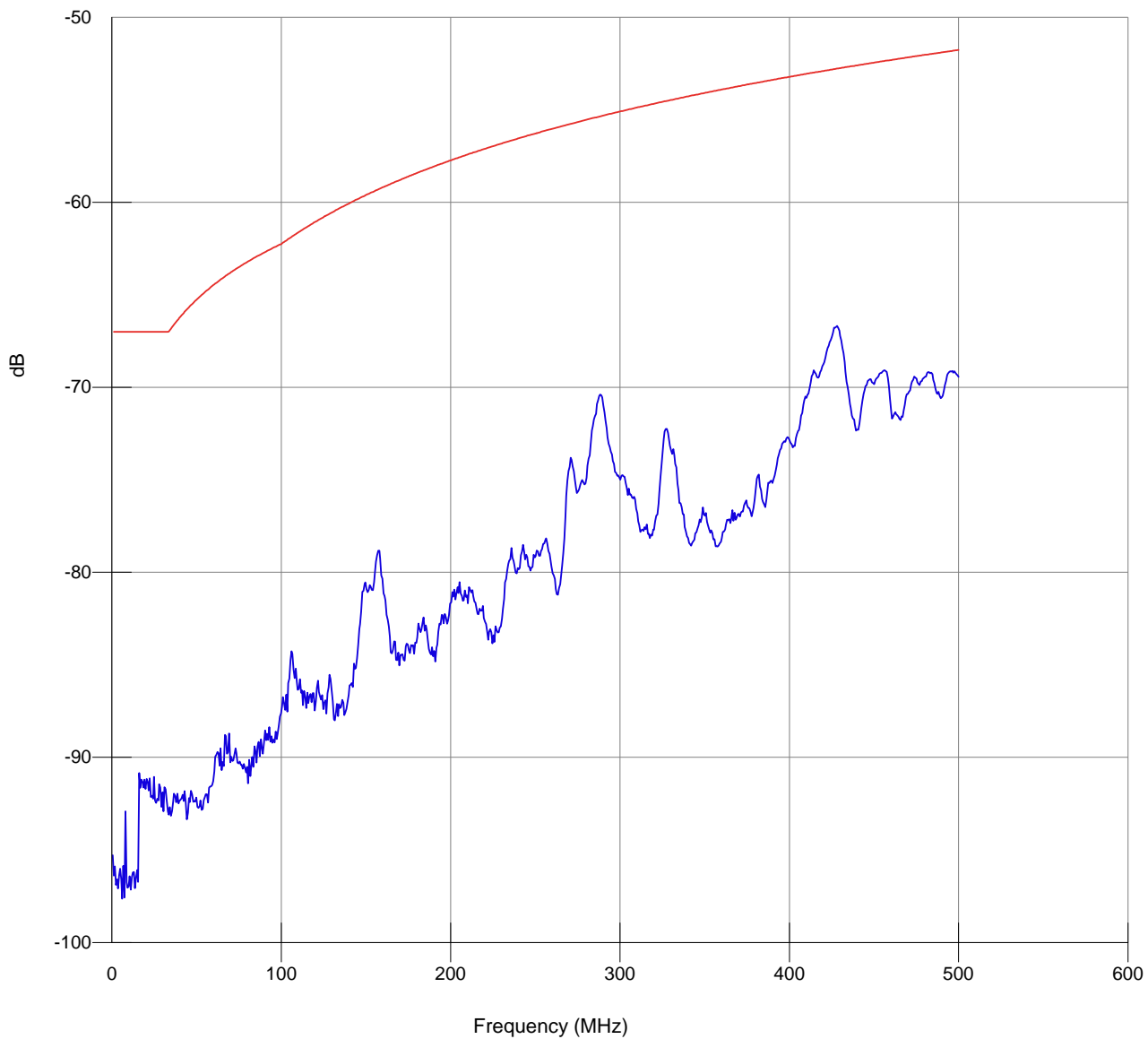




Average PSANEXT - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies

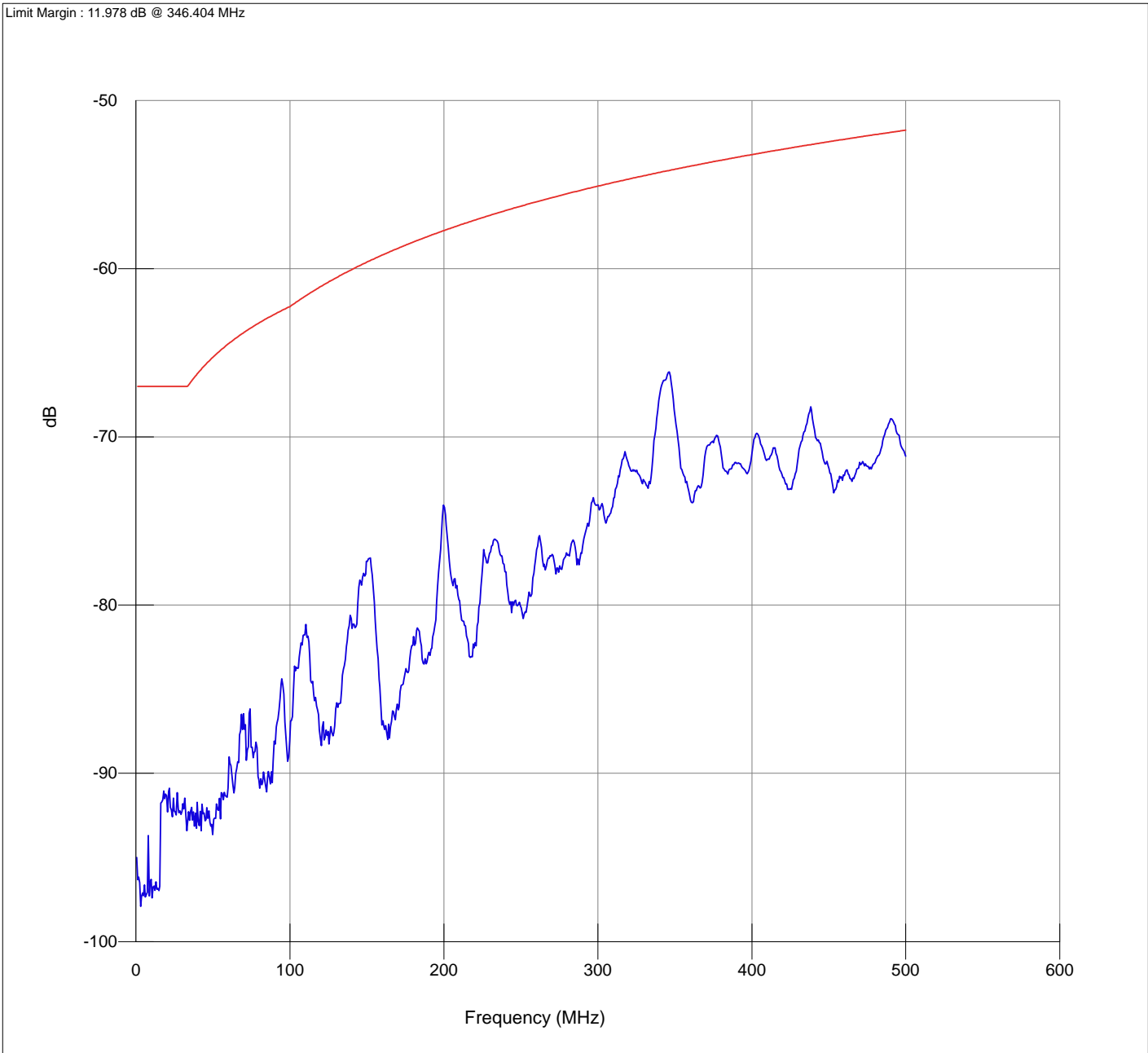
Limit Margin : 13.912 dB @ 428.197 MHz





Average PSANEXT - Far End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies





Average PSAACRF (PSAELFEXT) - Near End

Client	Schneider Electric India	Report No	102797115CRT-001a
Specification	ANSI-TIA-568-C2 Cat 6A Channel		
Part No	ACTTG4P6ASLS3RBU	Length(m)	98.
Test Started	11/10/2016 4:24:01 PM	Temperature	21.9 °C
Description	Cat 6A 4 con channel	Appendix	B
Operator Name	David Ayers	Test Status	Complies

