

January 8, 2010

Test report number 3180890CRT-001  
Project number 3180890-311

Schneider Electric Asia Pacific Limited  
13/F, Warwick House, East Wing, Taikoo Place  
979 King's Road, Quarry Bay, H.K.  
Hong Kong, China

# **TEST:**

Final qualification testing of a 100  $\Omega$ , 4 Pair telecommunication cable electrical performance 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. Braver Wu, representing the client, Schneider Electric Asia Pacific Limited, with signed quotation number 500153895.

# **SPECIMEN DESCRIPTION:**

The client supplied a 3 connectors channel as illustrated below. The sample was received on July 23, 2009 and was in good condition.



Component Id	Manufacturer	Description	Part number
1	Schneider Electric	Patch Cord	ACTPTG6ASBxxyyzz
2	Schneider Electric	Module	ACTRJSMTG6ANSS
2	Schneider Electric	Wall Outlet	BRTWPAS2PCAN
3	Schneider Electric	Horizontal Cable	ACTTG4P6ASCR3RBU
4	Schneider Electric	Patch Panel	ACTPP6ATGS24NSS
4	Schneider Electric	Module for Panel	ACTRJSMTG6ANSSP

The following equipment was employed in conducting the tests.

Equipment used	Model number	Control number	Calibration date	Calibration due date
HP Automatic Cable Test System	46152A	E307	2/27/2009	2/27/2010





**DATE OF TEST:**

January 7, 2009 through January 8, 2009

**TEST REPORT REVISION HISTORY:**

First Issue:            January 8, 2010            Original Document

**RESULTS:** See appendixes A and B for the test results.

**CONCLUSION:**

The channel cabling configuration, as previously described and randomly selected by an Intertek representative, was tested in accordance with the standard listed herein, 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  
Engineer  
Global Cabling Products Testing

John Cash  
Technician  
Global Cabling Products Testing



**Appendix A**  
Internal test results

This appendix contains 44 pages.



## Low Frequency Report

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

DC Resistance (Ohms)				
Blue	Orange	Green	Brown	Limit (Ohms)
7.2624	7.2590	7.3232	7.2053	
7.2469	7.2014	7.2960	7.2269	

Resistance Unbalanced (%)				
Blue	Orange	Green	Brown	Limit (%)
0.11	0.40	0.19	0.15	3.00



## Attenuation (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

Attenuation Near End (dB)				
Frequency	Blue	Orange	Green	Brown
0.772	-1.66	-1.54	-1.22	-1.50
1.	-1.93	-1.78	-1.47	-1.72
4.	-3.62	-3.34	-3.14	-3.23
8.	-5.08	-4.70	-4.56	-4.53
10.	-5.68	-5.27	-5.16	-5.07
16.	-7.19	-6.69	-6.66	-6.45
20.	-8.06	-7.50	-7.51	-7.23
25.	-9.04	-8.41	-8.48	-8.11
31.25	-10.12	-9.44	-9.56	-9.10
62.5	-14.40	-13.41	-13.79	-12.92
100.	-18.35	-17.18	-17.71	-16.57
150.	-22.75	-21.28	-22.09	-20.57
155.	-23.17	-21.61	-22.42	-20.85
200.	-26.49	-24.79	-25.69	-23.87
250.	-29.56	-27.82	-28.92	-26.81
300.	-32.54	-30.52	-31.98	-29.45
350.	-35.51	-33.31	-34.91	-32.17
400.	-38.08	-35.87	-38.02	-34.70
450.	-40.44	-38.42	-40.32	-37.03
500.	-42.89	-40.62	-42.89	-38.92



## Near End Cross Talk (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

NEXT Near End (dB)						
Frequency	Blue - Orange	Blue - Green	Blue - Brown	Orange - Green	Orange - Brown	Green - Brown
0.772	-94.17	-88.86	-102.09	-94.52	-99.07	-95.16
1.	-88.06	-89.52	-108.38	-91.40	-96.59	-101.86
4.	-79.08	-86.28	-86.78	-88.58	-90.30	-90.82
8.	-91.95	-79.39	-81.45	-87.62	-91.37	-76.05
10.	-72.69	-83.12	-85.55	-77.99	-84.36	-75.22
16.	-66.67	-87.49	-82.13	-78.15	-79.65	-79.02
20.	-73.00	-80.50	-76.95	-75.57	-82.96	-78.22
25.	-64.47	-80.60	-78.51	-77.38	-75.56	-73.73
31.25	-61.23	-83.54	-72.45	-80.49	-70.31	-62.89
62.5	-58.34	-69.35	-79.25	-73.36	-66.54	-61.54
100.	-56.37	-64.65	-66.02	-66.13	-66.01	-57.02
150.	-57.95	-62.61	-54.66	-64.06	-65.10	-56.07
155.	-56.79	-58.95	-57.07	-58.45	-63.05	-59.47
200.	-66.19	-52.41	-56.30	-52.32	-64.27	-48.30
250.	-58.67	-48.61	-49.46	-48.71	-61.48	-47.74
300.	-50.41	-47.31	-47.97	-49.41	-59.40	-44.31
350.	-47.52	-44.62	-51.67	-43.95	-51.97	-42.64
400.	-66.10	-40.08	-45.53	-46.34	-45.36	-39.15
450.	-42.30	-36.92	-46.24	-41.54	-49.32	-37.07
500.	-55.93	-35.87	-57.64	-39.50	-42.98	-36.62



## Near End Cross Talk (Far End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

NEXT Far End (dB)						
Frequency	Blue - Orange	Blue - Green	Blue - Brown	Orange - Green	Orange - Brown	Green - Brown
0.772	-91.84	-91.91	-98.80	-91.57	-99.74	-96.86
1.	-84.43	-95.20	-101.60	-92.37	-103.72	-94.93
4.	-78.75	-83.33	-87.27	-83.61	-88.58	-85.19
8.	-87.23	-84.72	-82.69	-81.98	-84.92	-76.81
10.	-73.67	-87.36	-89.87	-74.40	-78.03	-76.24
16.	-71.53	-80.74	-75.90	-71.65	-79.33	-71.36
20.	-67.49	-73.10	-75.66	-72.53	-85.47	-85.59
25.	-63.74	-69.91	-71.03	-74.76	-73.71	-70.27
31.25	-70.09	-70.77	-67.87	-65.74	-72.25	-67.97
62.5	-66.55	-62.76	-70.11	-73.58	-86.65	-62.09
100.	-60.83	-61.30	-70.23	-62.88	-59.30	-70.82
150.	-61.14	-53.13	-68.15	-59.02	-60.86	-53.37
155.	-64.99	-51.84	-62.41	-61.18	-60.60	-59.12
200.	-68.28	-49.63	-60.88	-61.07	-55.39	-56.40
250.	-61.79	-55.95	-68.46	-51.99	-51.15	-60.59
300.	-53.14	-44.82	-54.13	-64.24	-47.39	-59.94
350.	-48.19	-41.51	-49.15	-52.24	-49.46	-42.92
400.	-46.11	-44.83	-53.33	-45.19	-44.33	-49.43
450.	-55.21	-40.41	-48.85	-50.22	-48.83	-47.02
500.	-51.37	-31.88	-56.63	-54.65	-44.01	-40.71



## NEXT Power Sum (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

PS NEXT Near End (dB)				
Frequency	Blue	Orange	Green	Brown
0.772	-86.46	-90.34	-86.56	-91.92
1.	-85.87	-86.08	-87.35	-95.41
4.	-77.20	-77.84	-82.58	-82.85
8.	-77.13	-85.06	-74.15	-74.85
10.	-71.79	-71.25	-72.59	-74.37
16.	-66.51	-66.14	-74.96	-75.29
20.	-70.99	-70.66	-71.83	-73.46
25.	-64.16	-63.81	-71.48	-69.97
31.25	-60.87	-60.51	-62.61	-61.77
62.5	-57.95	-57.59	-60.54	-60.25
100.	-55.33	-55.47	-55.69	-56.03
150.	-52.48	-56.14	-54.66	-52.05
155.	-52.70	-53.94	-54.13	-54.35
200.	-50.77	-51.80	-45.77	-47.55
250.	-45.75	-48.03	-43.55	-45.38
300.	-43.59	-46.58	-41.72	-42.64
350.	-42.28	-41.92	-38.88	-41.70
400.	-38.98	-42.77	-36.14	-37.47
450.	-35.44	-38.51	-33.28	-36.35
500.	-35.80	-37.83	-32.30	-35.69



## Attenuation to Cross Talk Ratio (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

ACR Near End (dB)						
Frequency	Blue - Orange	Blue - Green	Blue - Brown	Orange - Green	Orange - Brown	Green - Brown
0.772	92.63	87.64	100.60	93.30	97.57	93.67
1.	86.27	88.05	106.66	89.92	94.87	100.14
4.	75.73	83.14	83.55	85.43	87.06	87.59
8.	87.24	74.83	76.92	83.06	86.84	71.52
10.	67.42	77.96	80.47	72.83	79.29	70.14
16.	59.97	80.83	75.68	71.49	73.19	72.57
20.	65.50	73.00	69.71	68.06	75.73	70.99
25.	56.06	72.12	70.40	68.89	67.46	65.63
31.25	51.79	73.98	63.35	70.93	61.22	53.79
62.5	44.93	55.56	66.33	59.57	53.62	48.62
100.	39.19	46.94	49.44	48.43	49.44	40.45
150.	36.67	40.51	34.09	41.96	44.53	35.50
155.	35.18	36.53	36.22	36.03	42.21	38.63
200.	41.41	26.72	32.43	26.63	40.40	24.43
250.	30.85	19.68	22.65	19.78	34.68	20.93
300.	19.88	15.33	18.52	17.44	29.95	14.86
350.	14.22	9.71	19.50	9.04	19.79	10.46
400.	30.22	2.06	10.83	8.32	10.66	4.45
450.	3.88	-3.40	9.22	1.22	12.30	0.04
500.	15.31	-7.02	18.71	-3.39	4.06	-2.31



## Attenuation to Cross Talk Ratio (Far End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

ACR Far End (dB)						
Frequency	Blue - Orange	Blue - Green	Blue - Brown	Orange - Green	Orange - Brown	Green - Brown
0.772	90.28	90.65	96.90	90.30	97.83	94.96
1.	82.63	93.68	99.60	90.85	101.72	92.93
4.	75.40	80.15	83.84	80.43	85.16	81.76
8.	82.51	80.12	78.13	77.37	80.36	72.25
10.	68.39	82.15	84.68	69.19	72.85	71.06
16.	64.84	74.06	69.34	64.97	72.77	64.80
20.	59.98	65.55	68.44	64.98	78.25	78.37
25.	55.31	61.40	62.84	66.25	65.51	62.08
31.25	60.65	61.18	58.76	56.15	63.14	58.86
62.5	53.14	48.94	57.27	59.76	73.81	49.26
100.	43.67	43.51	53.76	45.09	42.83	54.35
150.	39.89	31.03	47.58	36.93	40.29	32.80
155.	43.43	29.39	41.56	38.73	39.75	38.27
200.	43.46	23.87	36.86	35.32	31.37	32.38
250.	33.94	26.99	41.47	23.03	24.16	33.60
300.	22.53	12.85	24.47	32.27	17.73	30.27
350.	14.93	6.54	16.93	17.27	17.23	10.70
400.	10.29	7.00	18.73	7.36	9.73	14.83
450.	17.03	0.05	11.83	9.86	11.80	10.00
500.	10.65	-11.05	17.45	11.72	4.83	1.53



## Power Sum ACR (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

PS ACR Near End (dB)				
Frequency	Blue	Orange	Green	Brown
0.772	84.80	88.80	85.34	90.42
1.	83.94	84.29	85.88	93.69
4.	73.58	74.50	79.44	79.61
8.	72.05	80.36	69.59	70.32
10.	66.11	65.98	67.43	69.29
16.	59.31	59.44	68.30	68.84
20.	62.94	63.16	64.32	66.22
25.	55.12	55.40	62.99	61.86
31.25	50.75	51.07	53.05	52.67
62.5	43.55	44.18	46.75	47.32
100.	36.98	38.28	37.98	39.46
150.	29.73	34.86	32.57	31.48
155.	29.54	32.34	31.71	33.50
200.	24.28	27.01	20.08	23.68
250.	16.19	20.21	14.63	18.57
300.	11.06	16.06	9.75	13.19
350.	6.77	8.61	3.97	9.52
400.	0.89	6.89	-1.87	2.77
450.	-5.00	0.09	-7.04	-0.68
500.	-7.09	-2.79	-10.59	-3.24



## Power Sum ACR (Far End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

PS ACR Far End (dB)				
Frequency	Blue	Orange	Green	Brown
0.772	85.36	86.02	86.61	91.35
1.	82.67	82.95	87.81	92.27
4.	72.63	73.11	75.90	78.10
8.	74.65	74.69	70.49	70.72
10.	66.90	64.63	66.68	68.70
16.	62.61	61.53	61.53	62.97
20.	57.79	58.73	62.09	67.35
25.	52.94	54.34	57.71	58.31
31.25	54.34	54.05	53.08	54.99
62.5	46.12	51.74	45.38	48.60
100.	39.32	38.77	40.65	41.87
150.	29.59	34.03	27.58	31.91
155.	28.08	35.49	28.23	34.85
200.	22.84	29.34	22.78	28.10
250.	25.07	20.47	21.08	23.62
300.	11.25	15.64	12.62	16.65
350.	4.58	11.57	3.95	9.04
400.	4.06	4.55	3.41	8.15
450.	-0.81	7.73	-1.17	6.34
500.	-11.04	2.25	-11.60	-0.21



## FEXT (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

FEXT Near End (dB)						
Frequency	Blue - Orange	Blue - Green	Blue - Brown	Orange - Blue	Orange - Green	Orange - Brown
0.772	-91.69	-81.19	-104.62	-90.29	-91.89	-98.34
1.	-91.12	-79.41	-108.18	-87.29	-87.00	-102.88
4.	-78.53	-69.98	-86.18	-78.24	-77.70	-103.95
8.	-77.35	-66.29	-76.64	-76.08	-76.43	-98.62
10.	-76.14	-64.94	-74.10	-76.09	-76.51	-89.84
16.	-79.74	-63.17	-70.25	-77.97	-84.58	-83.92
20.	-78.23	-61.73	-70.67	-78.42	-76.29	-86.17
25.	-73.29	-61.12	-74.77	-72.57	-70.26	-81.57
31.25	-69.26	-61.65	-79.92	-68.20	-67.32	-80.14
62.5	-66.01	-62.56	-67.81	-67.45	-67.70	-75.75
100.	-62.45	-74.90	-64.12	-61.31	-68.01	-73.31
150.	-77.06	-66.27	-77.02	-81.91	-67.04	-82.15
155.	-75.00	-65.52	-67.21	-83.52	-68.19	-77.57
200.	-72.15	-61.80	-77.64	-73.52	-75.92	-72.29
250.	-70.43	-64.77	-70.17	-67.48	-72.30	-72.44
300.	-78.85	-71.84	-77.62	-81.14	-73.92	-77.75
350.	-80.09	-72.12	-75.19	-76.98	-79.26	-76.09
400.	-95.08	-69.04	-74.69	-77.58	-67.97	-75.48
450.	-77.90	-67.65	-82.16	-102.85	-71.08	-80.81
500.	-86.73	-69.48	-83.41	-72.86	-79.45	-83.35



## FEXT (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

FEXT Near End (dB)						
Frequency	Green - Blue	Green - Orange	Green - Brown	Brown - Blue	Brown - Orange	Brown - Green
0.772	-80.86	-98.83	-86.89	-100.15	-102.10	-86.56
1.	-79.39	-90.75	-83.63	-101.91	-107.49	-83.89
4.	-69.67	-77.62	-75.65	-84.85	-94.84	-75.77
8.	-65.93	-77.20	-75.44	-76.01	-96.51	-74.75
10.	-64.44	-76.76	-79.41	-73.50	-90.15	-77.62
16.	-62.91	-82.66	-70.15	-70.39	-91.90	-71.29
20.	-61.68	-74.67	-65.07	-70.82	-87.58	-65.49
25.	-61.04	-68.99	-62.48	-75.52	-81.45	-62.79
31.25	-61.05	-67.31	-63.80	-77.70	-80.49	-63.87
62.5	-63.01	-66.94	-78.04	-68.00	-72.83	-71.66
100.	-78.54	-70.69	-59.76	-65.32	-75.00	-59.51
150.	-65.07	-65.80	-62.78	-71.53	-82.67	-60.91
155.	-63.24	-68.00	-61.38	-68.65	-80.95	-60.80
200.	-61.39	-72.89	-61.77	-83.16	-75.17	-64.52
250.	-63.06	-69.57	-71.48	-73.17	-74.24	-70.38
300.	-71.24	-72.51	-85.76	-74.97	-79.45	-72.92
350.	-79.14	-75.59	-82.10	-88.58	-76.70	-89.69
400.	-71.02	-71.61	-73.24	-84.54	-71.67	-69.41
450.	-75.95	-87.91	-77.54	-80.32	-90.32	-73.37
500.	-74.78	-71.58	-69.02	-77.10	-80.13	-85.01



## ELFEXT/ACRF (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

ELFEXT/ACRF Near End (dB)						
Frequency	Blue - Orange	Blue - Green	Blue - Brown	Orange - Blue	Orange - Green	Orange - Brown
0.772	-90.15	-79.97	-103.12	-88.63	-90.67	-96.85
1.	-89.34	-77.93	-106.46	-85.36	-85.52	-101.17
4.	-75.19	-66.84	-82.95	-74.61	-74.56	-100.72
8.	-72.65	-61.73	-72.11	-71.00	-71.86	-94.09
10.	-70.87	-59.78	-69.03	-70.41	-71.35	-84.76
16.	-73.05	-56.51	-63.80	-70.78	-77.92	-77.46
20.	-70.73	-54.22	-63.44	-70.36	-68.78	-78.93
25.	-64.88	-52.64	-66.66	-63.53	-61.78	-73.46
31.25	-59.82	-52.09	-70.83	-58.08	-57.76	-71.04
62.5	-52.60	-48.77	-54.88	-53.05	-53.91	-62.83
100.	-45.27	-57.19	-47.54	-42.96	-50.30	-56.74
150.	-55.78	-44.17	-56.45	-59.17	-44.94	-61.58
155.	-53.39	-43.10	-46.36	-60.35	-45.78	-56.73
200.	-47.36	-36.12	-53.77	-47.03	-50.23	-48.42
250.	-42.61	-35.85	-43.36	-37.92	-43.38	-45.63
300.	-48.33	-39.86	-48.17	-48.61	-41.94	-48.30
350.	-46.78	-37.21	-43.01	-41.47	-44.35	-43.91
400.	-59.21	-31.02	-39.99	-39.50	-29.95	-40.78
450.	-39.47	-27.33	-45.13	-62.41	-30.76	-43.79
500.	-46.11	-26.59	-44.48	-29.97	-36.56	-44.42



## ELFEXT/ACRF (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

ELFEXT/ACRF Near End (dB)						
Frequency	Green - Blue	Green - Orange	Green - Brown	Brown - Blue	Brown - Orange	Brown - Green
0.772	-79.20	-97.30	-85.39	-98.48	-100.56	-85.34
1.	-77.46	-88.97	-81.91	-99.98	-105.70	-82.42
4.	-66.05	-74.28	-72.42	-81.23	-91.50	-72.63
8.	-60.86	-72.49	-70.91	-70.93	-91.80	-70.19
10.	-58.76	-71.49	-74.34	-67.82	-84.88	-72.46
16.	-55.71	-75.96	-63.70	-63.19	-85.20	-64.63
20.	-53.62	-67.17	-57.83	-62.76	-80.08	-57.98
25.	-52.00	-60.58	-54.37	-66.48	-73.04	-54.30
31.25	-50.93	-57.87	-54.71	-67.58	-71.05	-54.31
62.5	-48.61	-53.54	-65.12	-53.60	-59.43	-57.87
100.	-60.19	-53.51	-43.19	-46.97	-57.81	-41.80
150.	-42.32	-44.52	-42.21	-48.78	-61.40	-38.81
155.	-40.08	-46.39	-40.53	-45.48	-59.34	-38.38
200.	-34.89	-48.10	-37.90	-56.67	-50.39	-38.83
250.	-33.50	-41.75	-44.67	-43.61	-46.42	-41.46
300.	-38.70	-41.99	-56.31	-42.43	-48.93	-40.94
350.	-43.63	-42.29	-49.92	-53.07	-43.40	-54.78
400.	-32.94	-35.74	-38.54	-46.46	-35.80	-31.40
450.	-35.51	-49.49	-40.52	-39.88	-51.90	-33.05
500.	-31.89	-30.96	-30.10	-34.22	-39.51	-42.12



## Power Sum ELFEXT/PSACRF (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

PS ELFEXT/PSACRF Near End (dB)				
Frequency	Blue	Orange	Green	Brown
0.772	-79.13	-85.55	-78.50	-84.64
1.	-77.19	-82.29	-76.34	-82.13
4.	-65.69	-71.60	-65.03	-71.98
8.	-60.53	-68.52	-60.63	-67.78
10.	-58.47	-67.92	-58.89	-66.93
16.	-55.12	-69.58	-55.45	-61.32
20.	-53.06	-66.43	-52.38	-57.11
25.	-51.65	-59.64	-49.82	-54.40
31.25	-50.77	-55.16	-49.02	-54.51
62.5	-45.72	-50.83	-47.65	-52.62
100.	-41.70	-43.07	-41.66	-41.82
150.	-42.83	-45.46	-37.48	-39.95
155.	-39.82	-45.99	-36.24	-39.25
200.	-34.82	-44.11	-32.72	-40.22
250.	-33.27	-37.48	-32.75	-40.65
300.	-37.63	-41.33	-36.75	-40.74
350.	-34.42	-39.16	-38.31	-43.75
400.	-29.89	-30.99	-29.05	-32.59
450.	-26.68	-32.21	-33.12	-35.47
500.	-26.35	-31.07	-23.53	-35.98



## Return Loss (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

Return Loss (dB)				
Frequency	Blue	Orange	Green	Brown
0.772	-30.48	-26.05	-26.25	-23.80
1.	-23.74	-27.87	-28.34	-27.97
4.	-48.12	-39.38	-38.22	-32.10
8.	-39.69	-48.63	-46.71	-43.18
10.	-39.59	-41.90	-47.14	-34.39
16.	-30.63	-29.86	-31.17	-32.22
20.	-33.26	-27.80	-33.16	-27.61
25.	-31.09	-29.71	-33.07	-37.49
31.25	-40.61	-43.83	-41.29	-37.99
62.5	-46.16	-31.83	-31.17	-31.35
100.	-66.68	-28.27	-47.23	-46.99
150.	-26.59	-28.90	-30.81	-55.01
155.	-30.81	-29.71	-30.04	-30.86
200.	-26.39	-23.38	-38.00	-34.46
250.	-29.59	-48.00	-61.91	-30.35
300.	-25.54	-53.70	-38.05	-28.19
350.	-46.68	-23.93	-26.30	-21.56
400.	-21.47	-21.91	-47.43	-23.14
450.	-36.04	-34.86	-20.78	-19.64
500.	-18.83	-32.83	-28.55	-22.89



## Return Loss (Far End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

Return Loss (dB)				
Frequency	Blue	Orange	Green	Brown
0.772	-28.79	-25.55	-24.86	-23.20
1.	-25.45	-26.17	-26.84	-25.69
4.	-45.12	-40.83	-36.82	-32.64
8.	-32.44	-31.61	-47.26	-27.41
10.	-33.85	-33.71	-58.10	-31.94
16.	-37.03	-37.21	-43.16	-36.05
20.	-27.36	-25.07	-29.30	-22.91
25.	-48.32	-32.98	-43.22	-45.65
31.25	-30.31	-43.98	-31.56	-27.37
62.5	-36.37	-27.21	-32.03	-25.00
100.	-25.49	-45.07	-25.40	-49.94
150.	-32.34	-37.43	-32.68	-29.65
155.	-37.04	-38.96	-49.10	-34.69
200.	-32.84	-25.92	-36.81	-38.77
250.	-35.87	-50.56	-60.29	-54.80
300.	-49.43	-24.35	-24.44	-27.93
350.	-30.27	-29.97	-35.65	-24.08
400.	-25.90	-20.95	-19.60	-34.66
450.	-21.28	-17.17	-35.94	-21.74
500.	-17.46	-14.84	-23.95	-16.49



## Longitudinal Conversion Loss (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

LCL (dB)				
Frequency	Blue	Orange	Green	Brown
0.772	-63.77	-68.31	-58.49	-66.93
1.	-73.24	-62.84	-65.87	-75.21
4.	-62.46	-61.96	-56.21	-61.88
8.	-62.24	-56.29	-62.45	-56.67
10.	-59.30	-55.81	-58.77	-52.93
16.	-56.51	-57.59	-58.00	-51.04
20.	-54.91	-58.09	-51.13	-51.86
25.	-57.84	-50.27	-50.97	-50.19
31.25	-57.40	-54.24	-44.55	-47.55
62.5	-46.00	-44.74	-52.49	-47.09
100.	-49.38	-38.03	-41.87	-48.97
150.	-46.89	-32.58	-37.66	-43.80
155.	-42.03	-34.34	-39.07	-51.10
200.	-45.28	-37.60	-35.50	-36.56
250.	-45.95	-33.68	-32.91	-39.16
300.	-44.53	-33.72	-35.24	-38.45
350.	-50.39	-31.63	-31.91	-33.85
400.	-37.53	-28.76	-32.48	-32.46
450.	-31.92	-37.02	-32.56	-31.61
500.	-37.20	-33.04	-31.71	-34.50



## Longitudinal Conversion Loss (Far End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

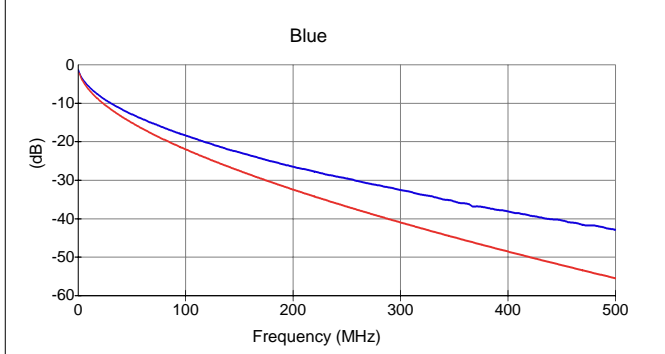
LCL (dB)				
Frequency	Blue	Orange	Green	Brown
0.772	-71.30	-67.99	-60.79	-66.97
1.	-91.55	-64.18	-61.17	-71.55
4.	-58.11	-61.25	-57.31	-56.30
8.	-56.76	-62.12	-52.82	-56.13
10.	-61.95	-67.75	-52.81	-51.68
16.	-59.21	-63.31	-55.35	-61.72
20.	-49.04	-50.34	-48.08	-48.16
25.	-55.63	-53.16	-43.28	-45.17
31.25	-60.40	-44.36	-52.10	-44.95
62.5	-42.60	-43.66	-41.88	-41.72
100.	-48.45	-41.89	-38.86	-40.63
150.	-53.00	-37.16	-44.88	-45.23
155.	-38.32	-39.27	-45.99	-39.04
200.	-34.16	-37.18	-46.06	-46.57
250.	-44.72	-40.18	-31.22	-32.34
300.	-41.85	-34.64	-29.91	-31.02
350.	-42.65	-33.99	-30.48	-29.09
400.	-42.31	-33.21	-26.90	-27.86
450.	-37.10	-42.43	-29.72	-47.45
500.	-37.70	-28.95	-32.50	-34.22



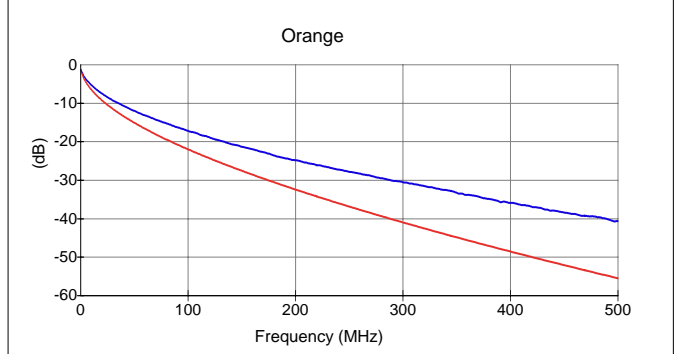
## Attenuation (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

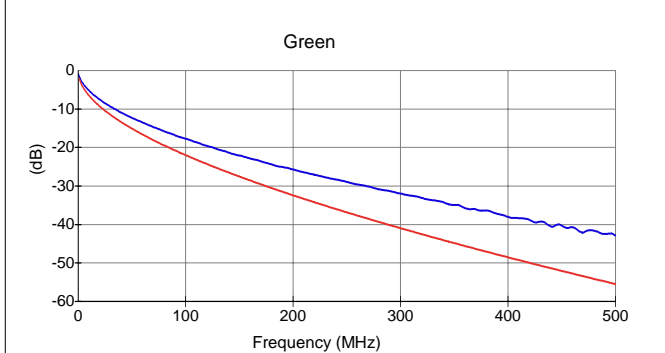
Limit Margin : 0.138 (dB) @ 1.124 MHz



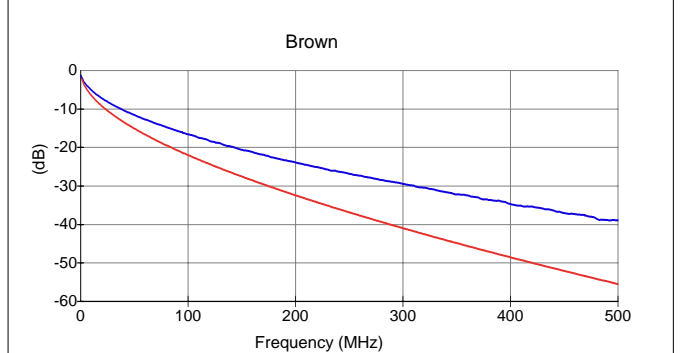
Limit Margin : 0.296 (dB) @ 1.124 MHz



Limit Margin : 0.595 (dB) @ 1.124 MHz



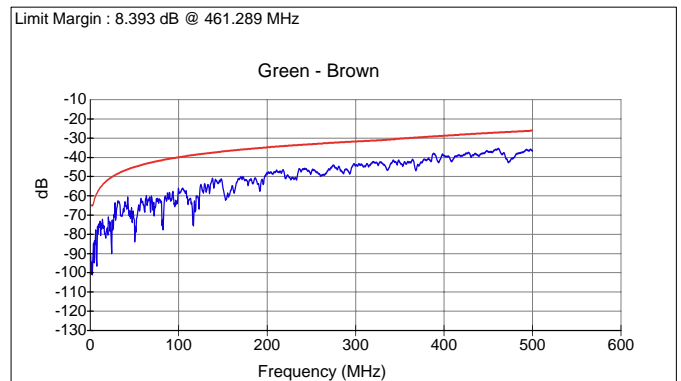
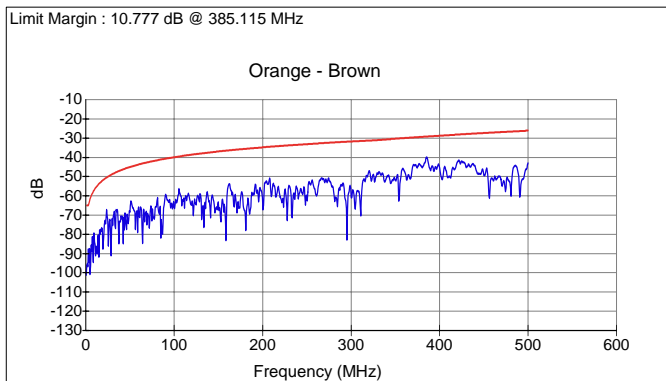
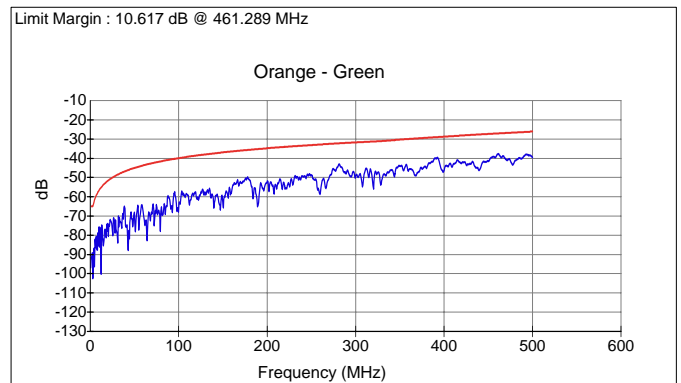
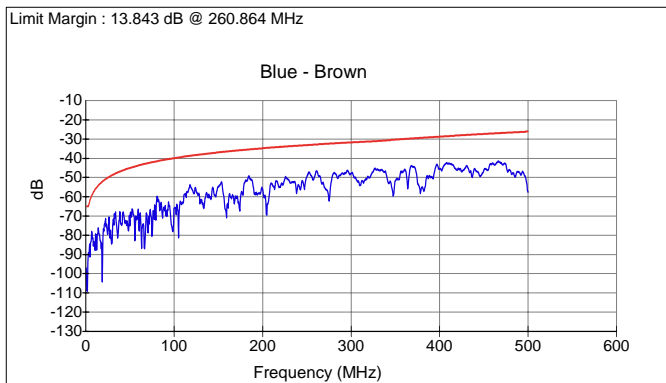
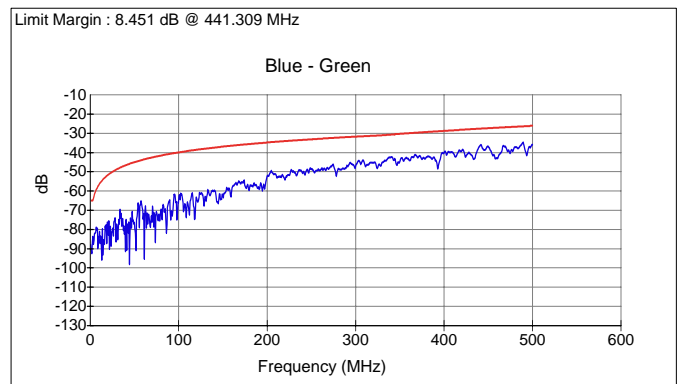
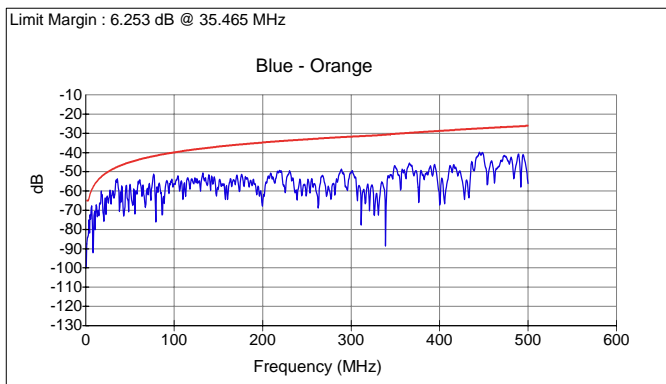
Limit Margin : 0.360 (dB) @ 1.124 MHz





## Near End Cross Talk (Near End)

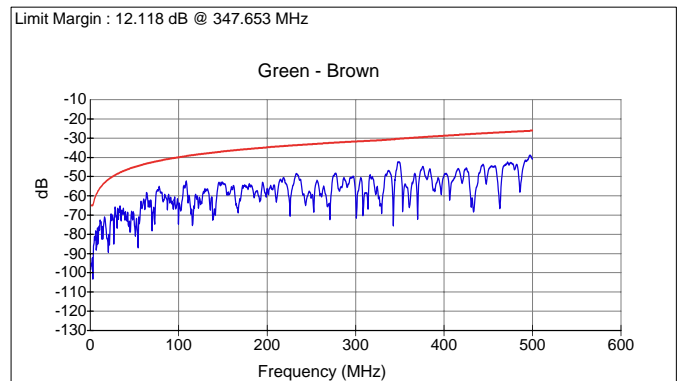
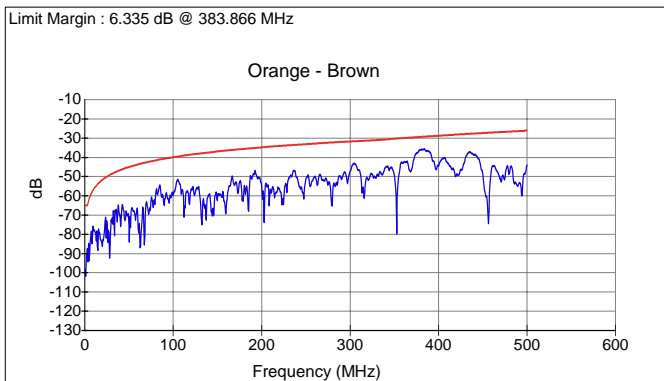
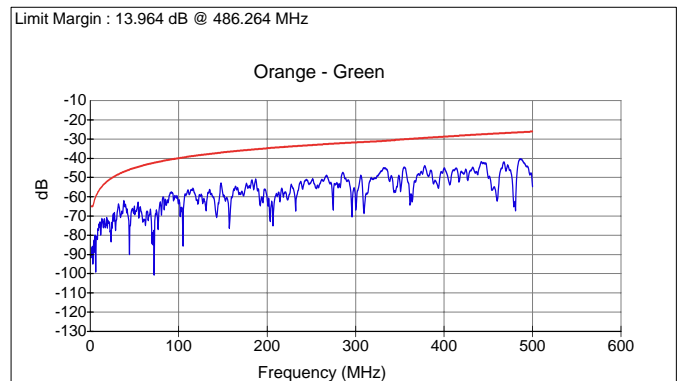
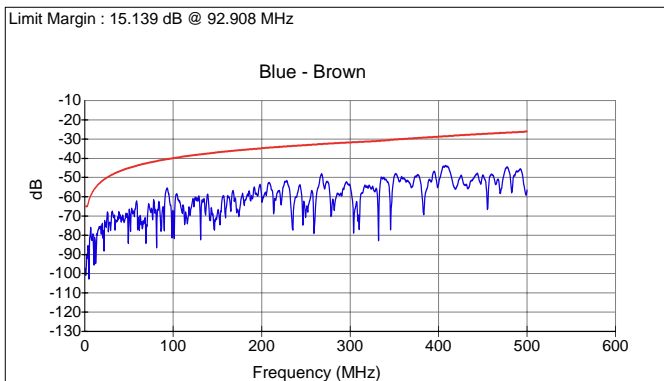
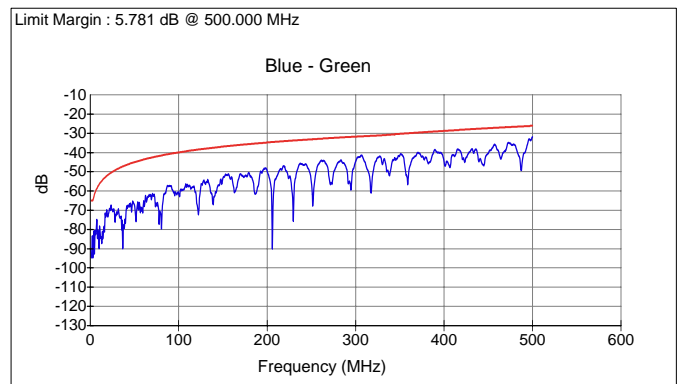
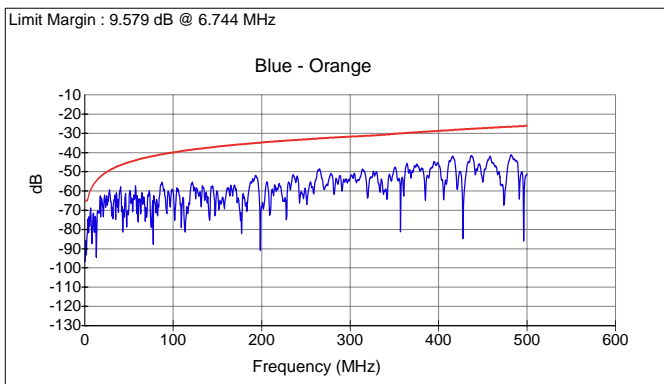
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## Near End Cross Talk (Far End)

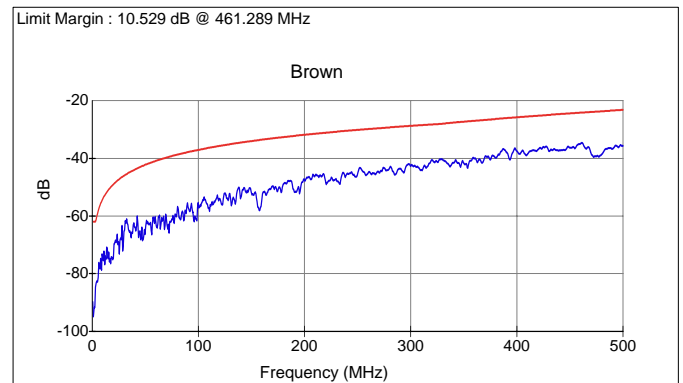
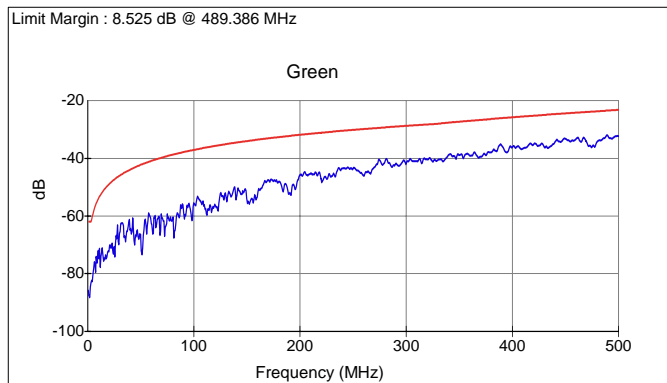
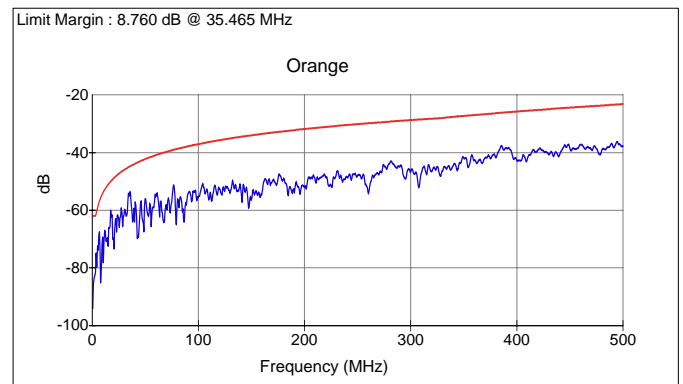
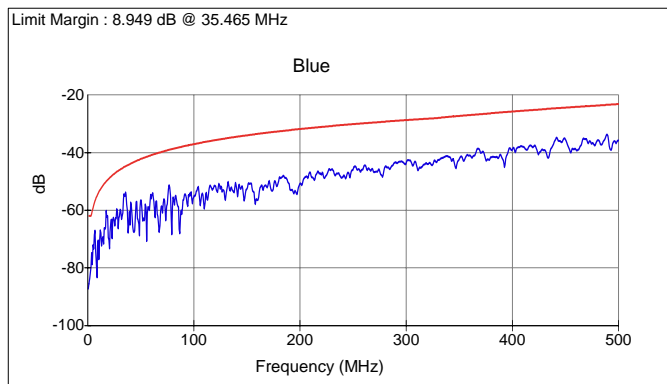
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## Power Sum NEXT (Near End)

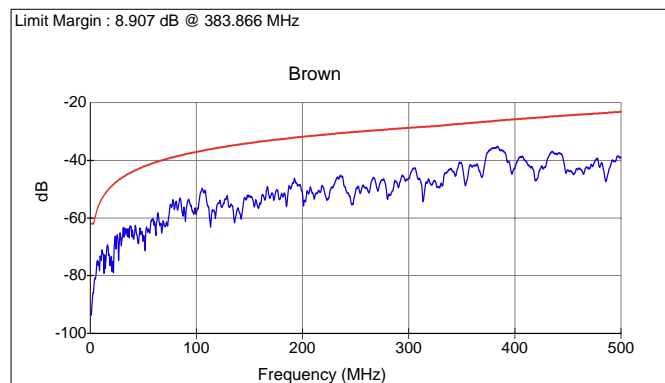
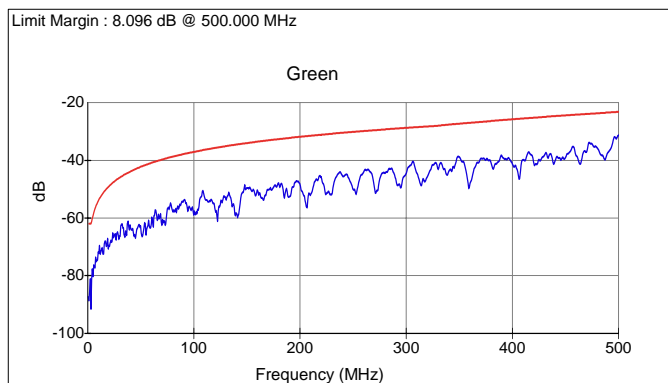
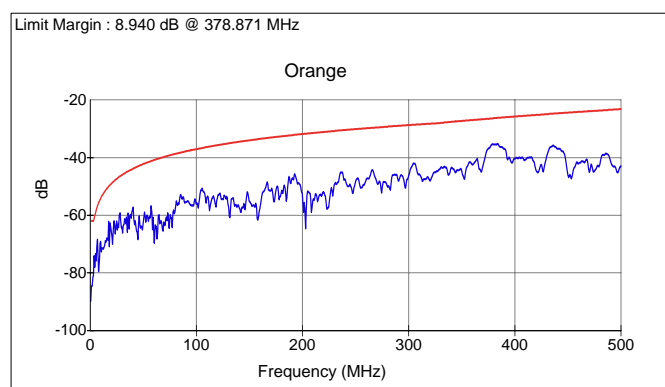
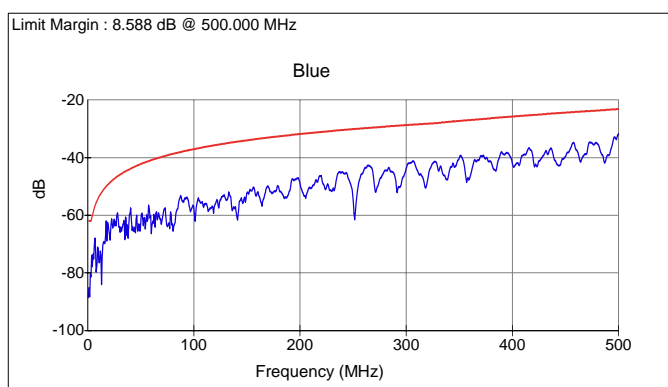
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## Power Sum NEXT (Far End)

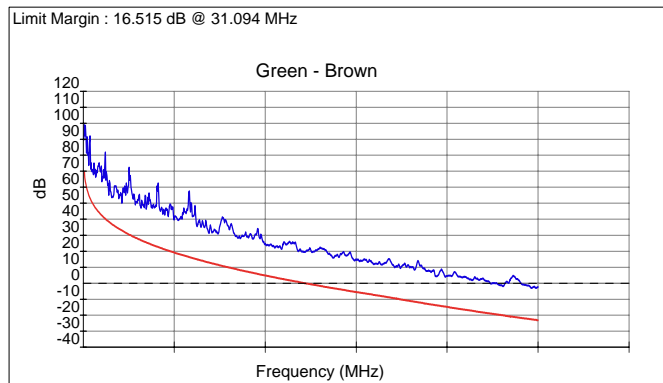
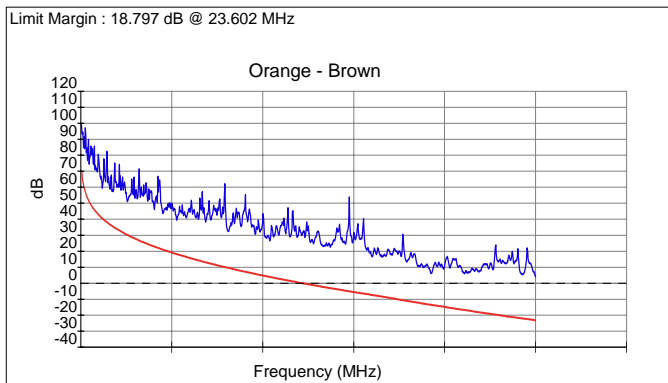
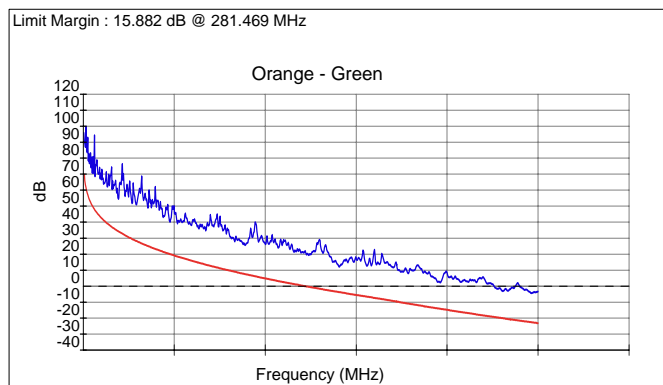
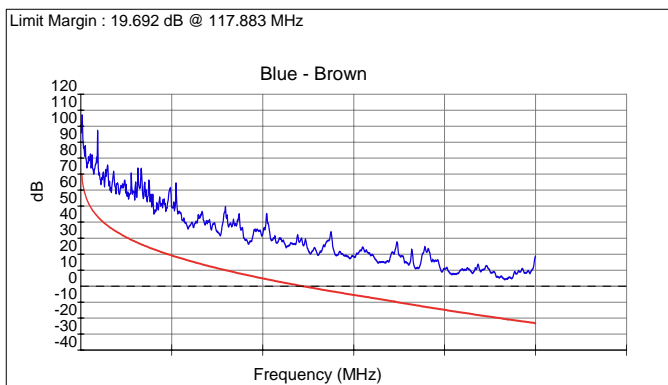
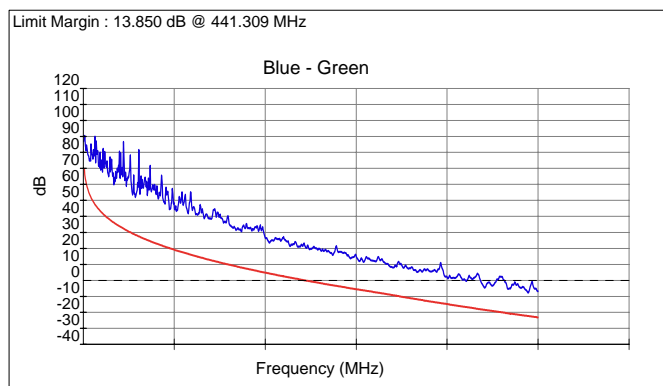
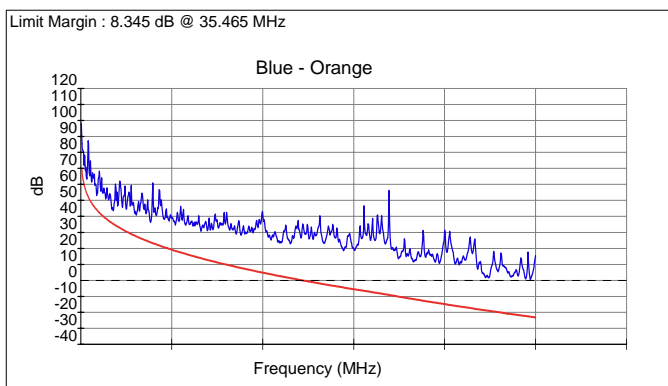
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## Attenuation to Cross Talk Ratio (Near End)

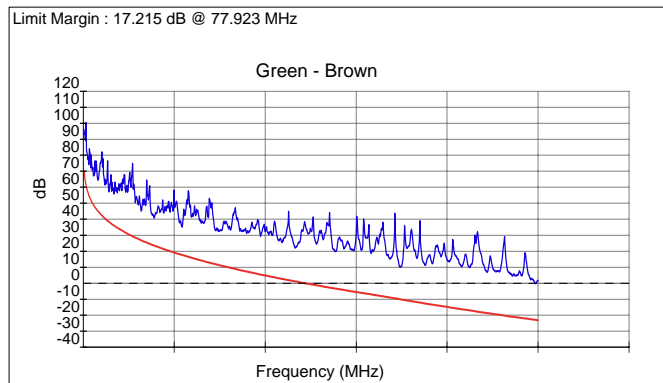
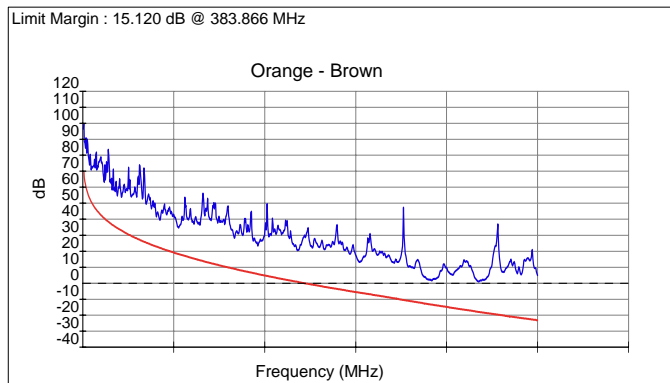
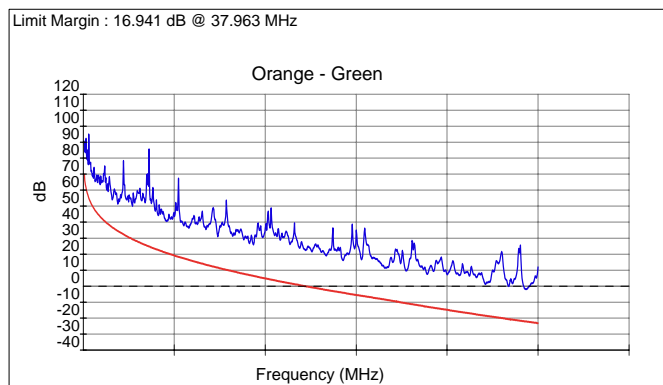
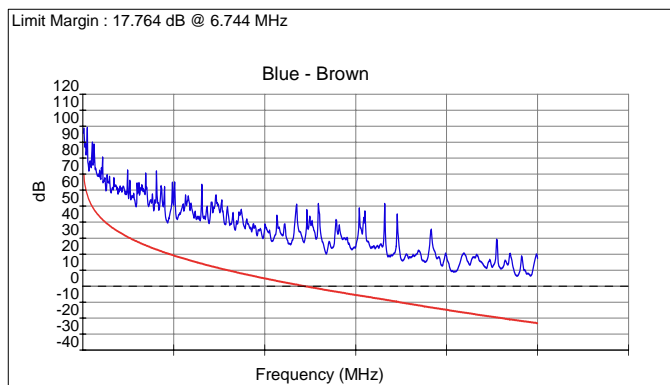
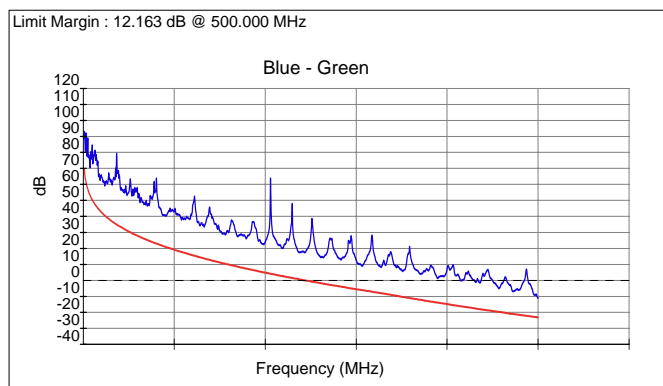
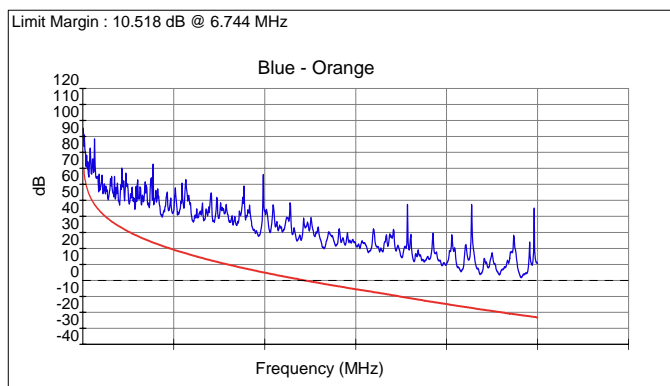
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## Attenuation to Cross Talk Ratio (Far End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

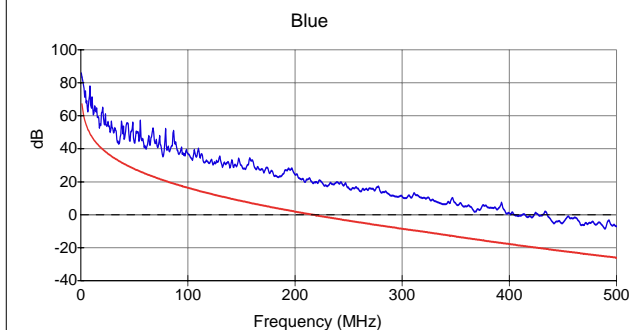




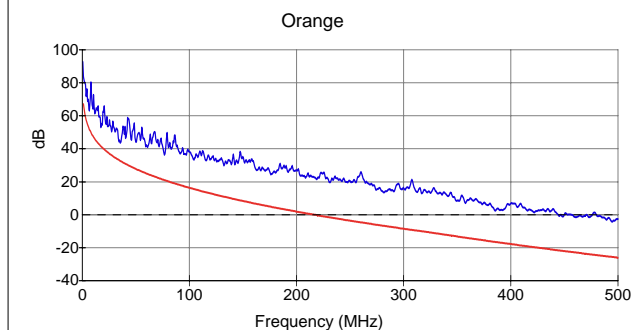
## Power Sum ACR (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

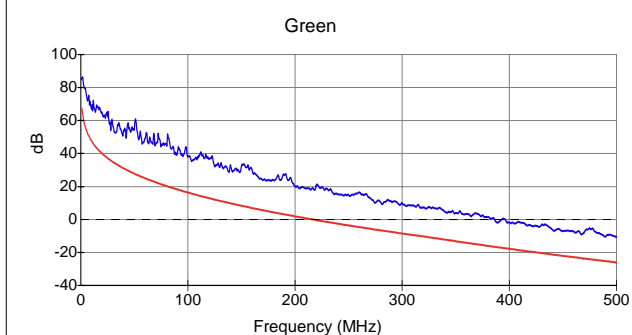
Limit Margin : 10.296 dB @ 35.465 MHz



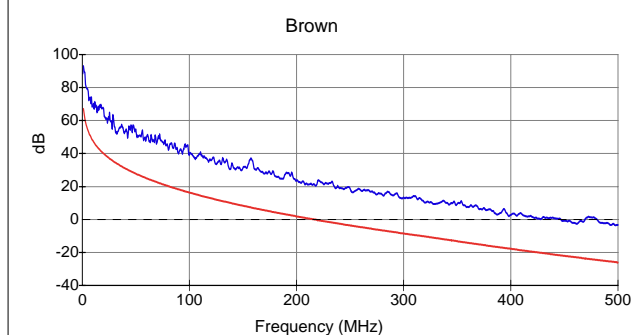
Limit Margin : 10.852 dB @ 35.465 MHz



Limit Margin : 14.398 dB @ 441.933 MHz



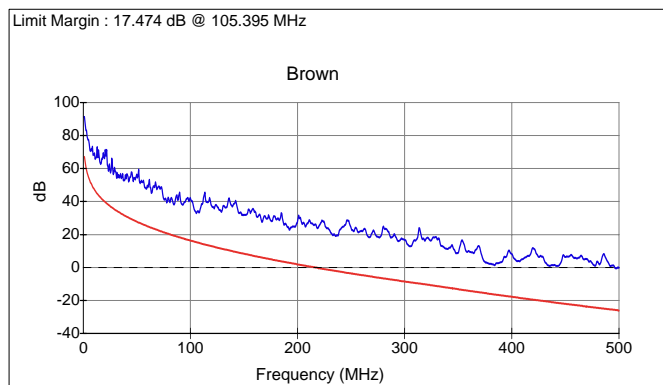
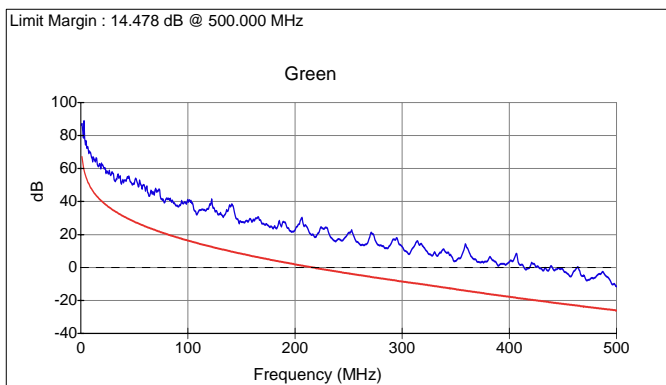
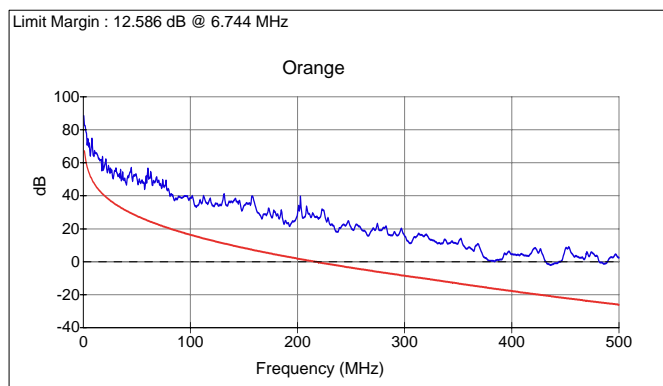
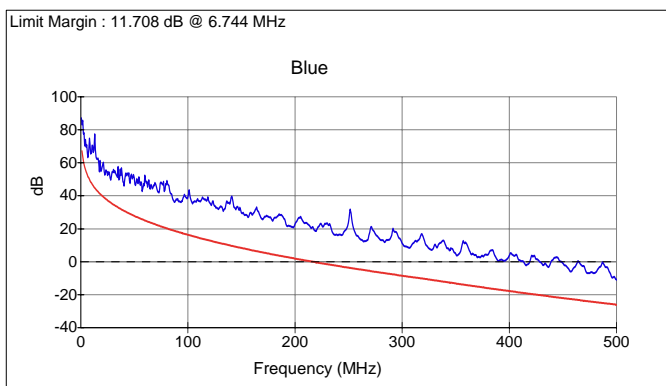
Limit Margin : 17.839 dB @ 32.343 MHz





## Power Sum ACR (Far End)

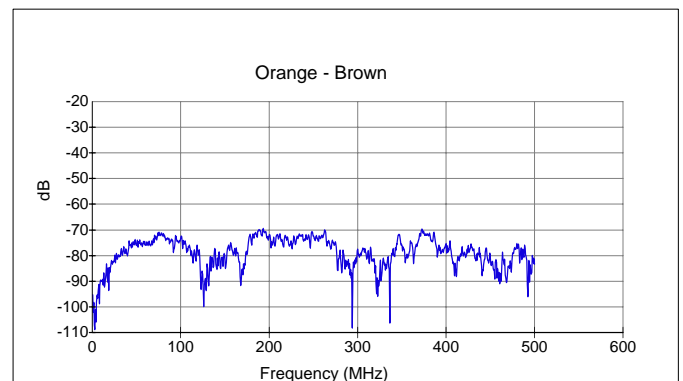
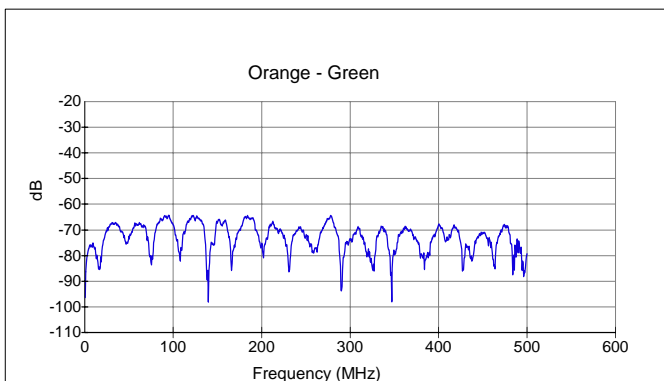
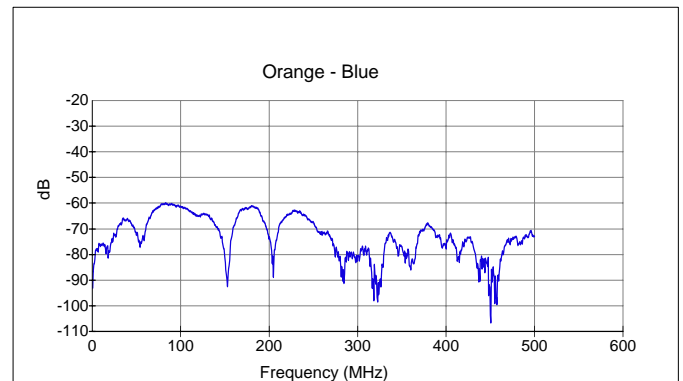
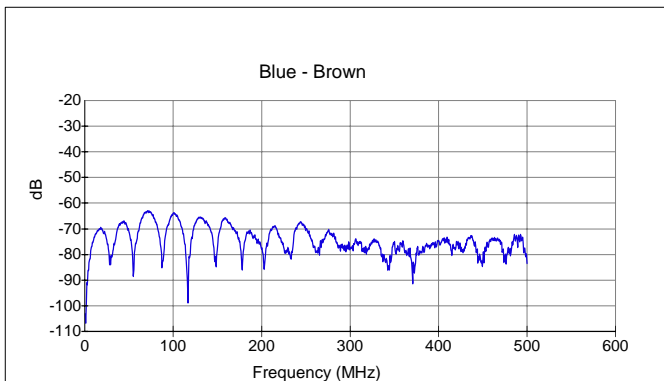
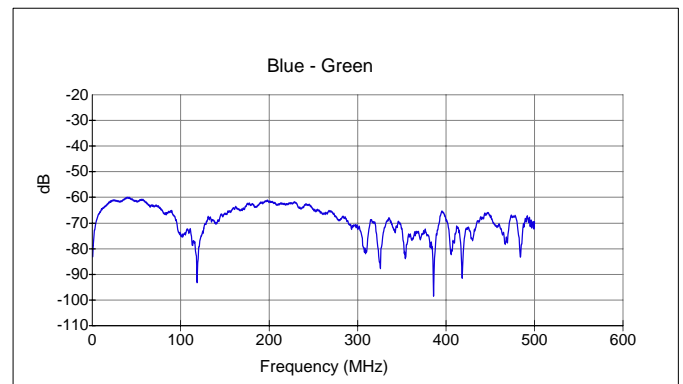
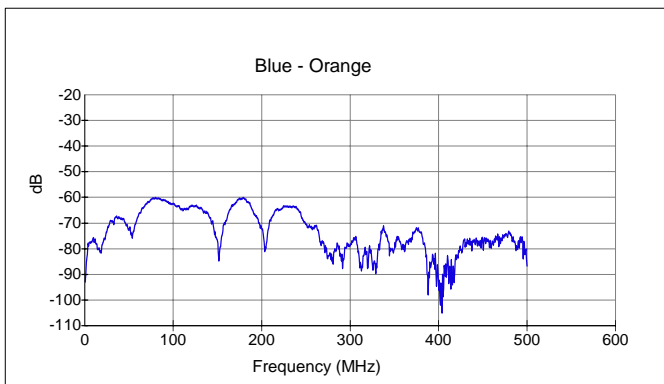
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## Far End Cross Talk (Near End)

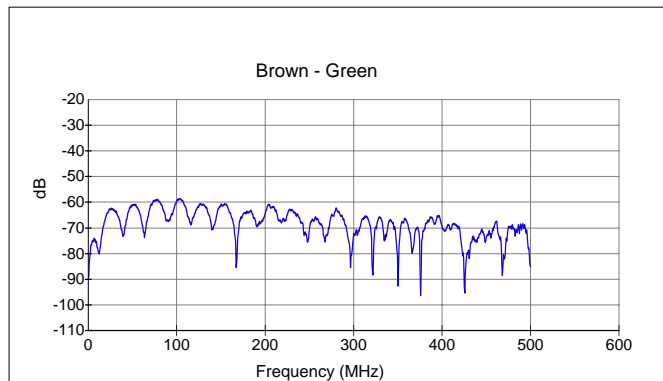
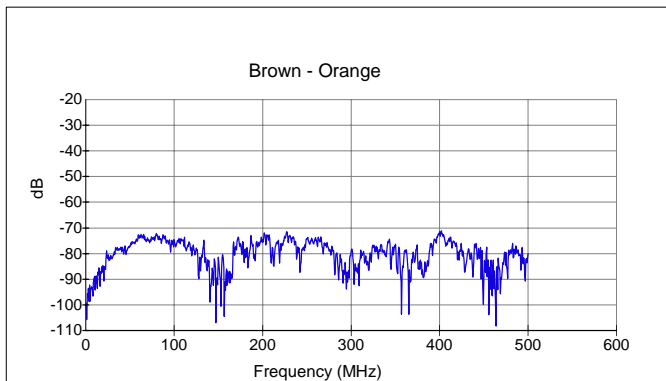
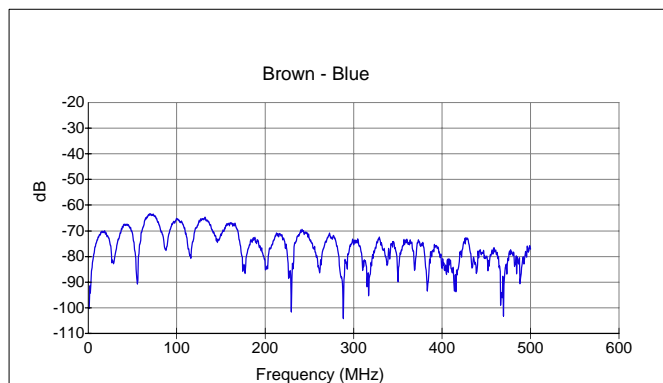
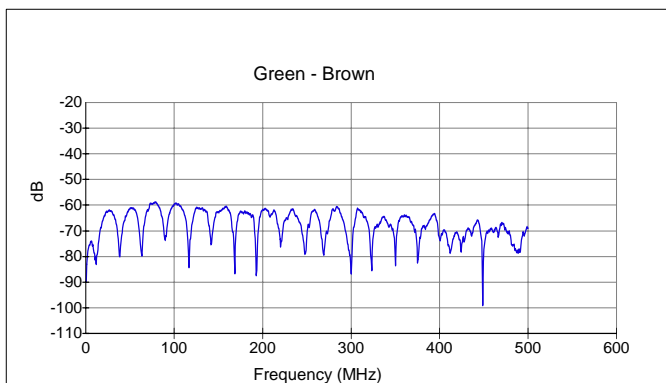
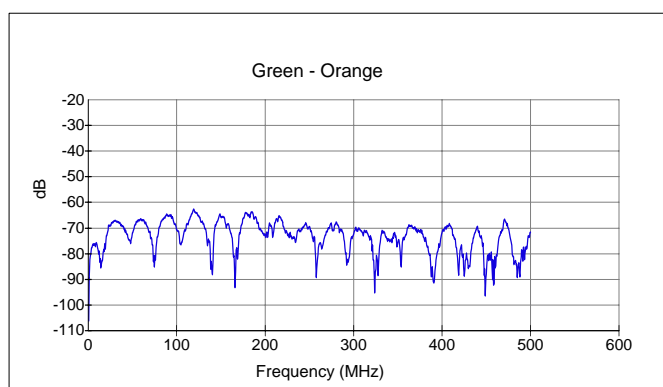
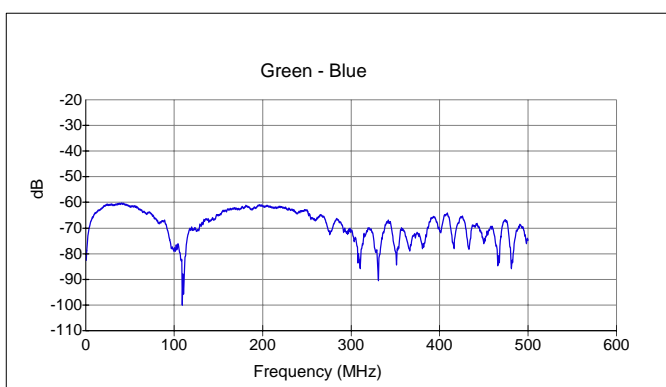
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## Far End Cross Talk (Near End)

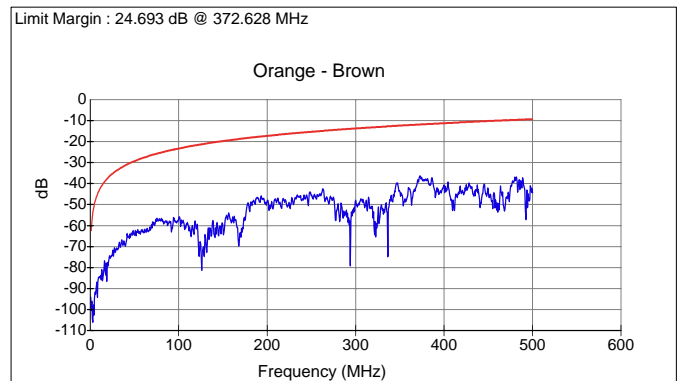
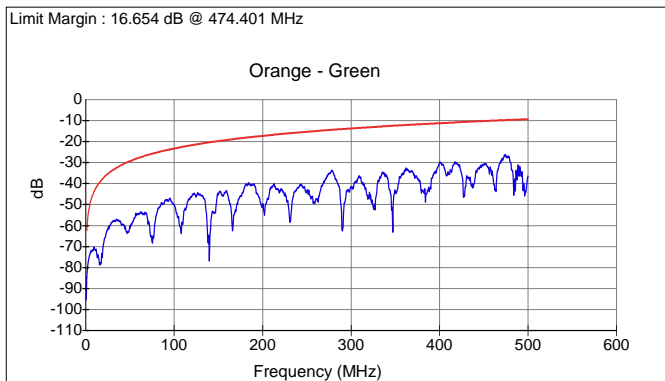
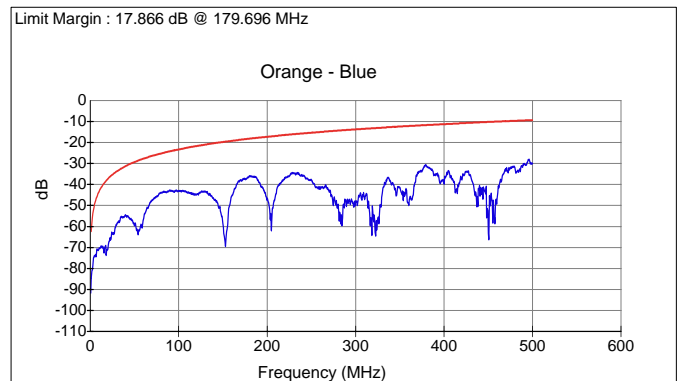
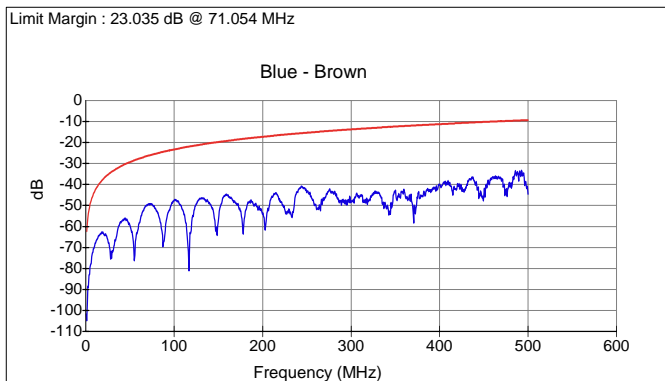
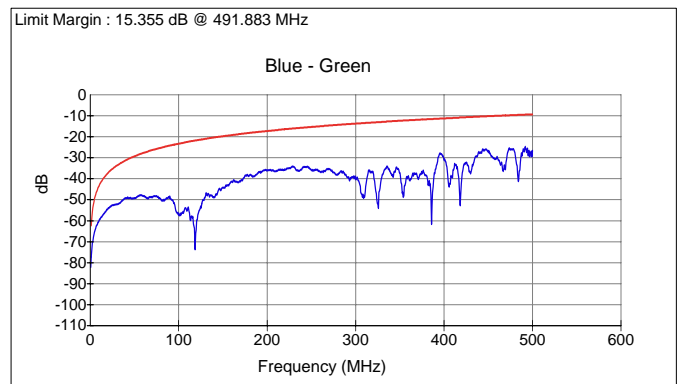
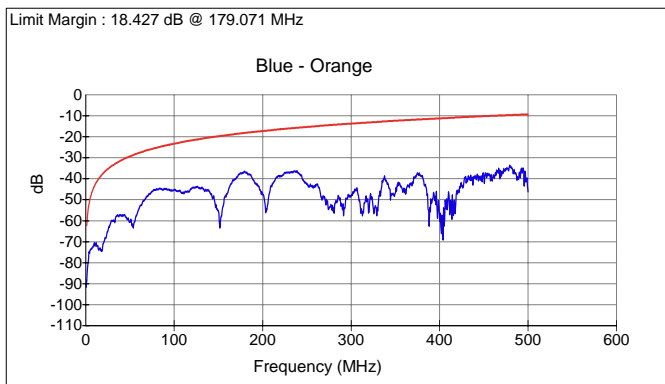
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ELFEXT/ACRF (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

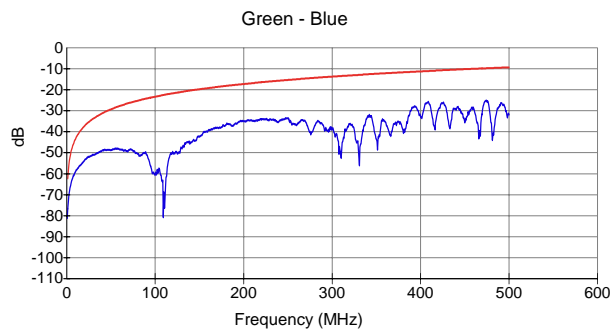




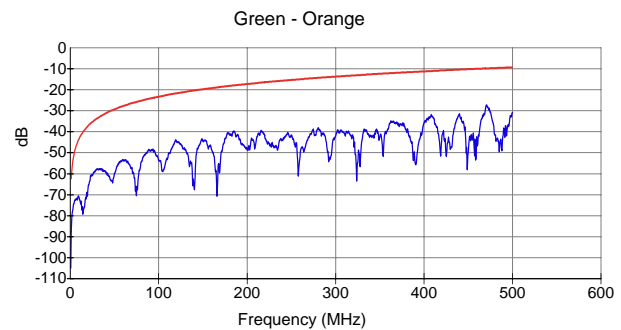
## ELFEXT/ACRF (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

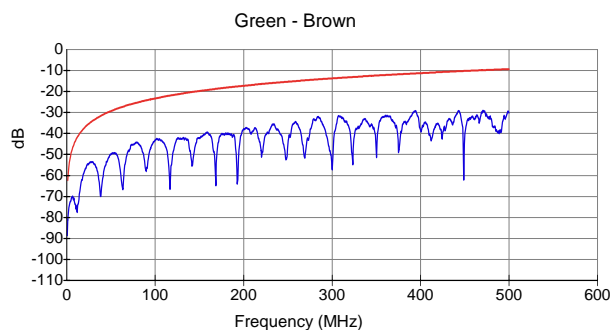
Limit Margin : 14.672 dB @ 408.841 MHz



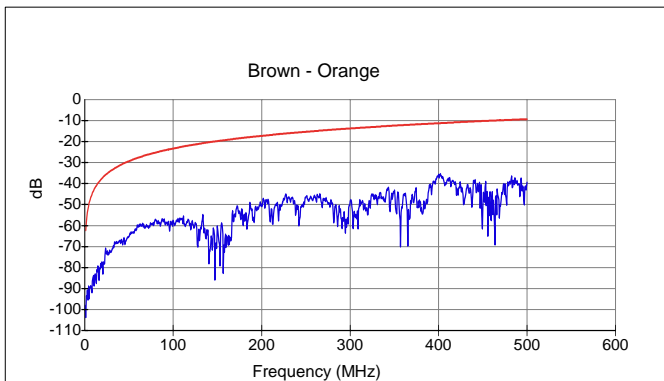
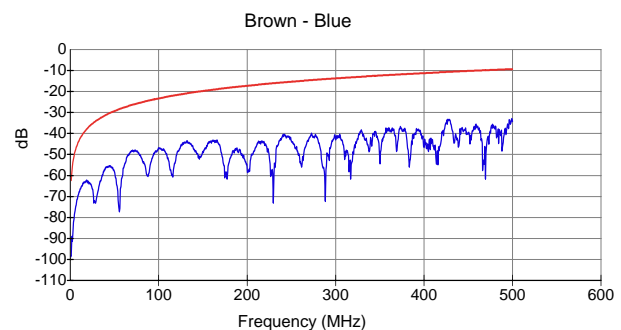
Limit Margin : 17.492 dB @ 470.654 MHz



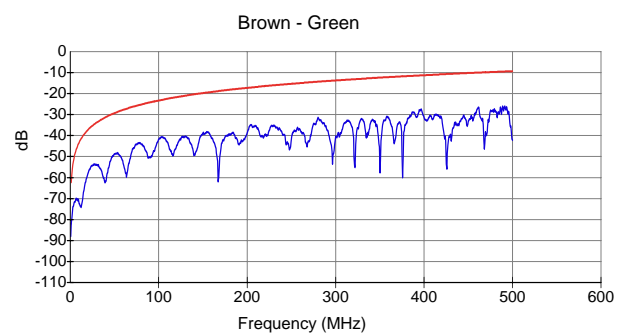
Limit Margin : 17.776 dB @ 283.342 MHz



Limit Margin : 21.796 dB @ 70.430 MHz



Limit Margin : 16.216 dB @ 396.978 MHz

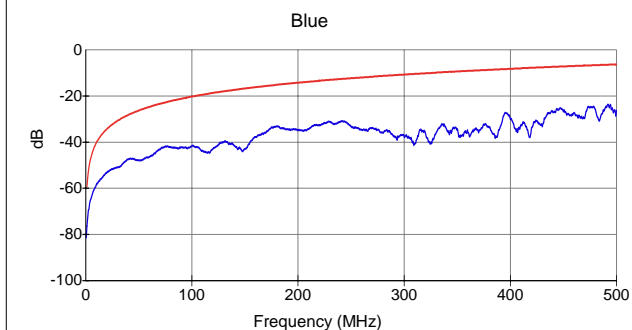




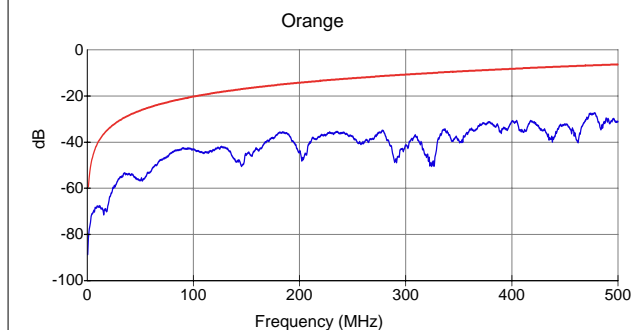
## Power Sum ELFEXT/PSACRF (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

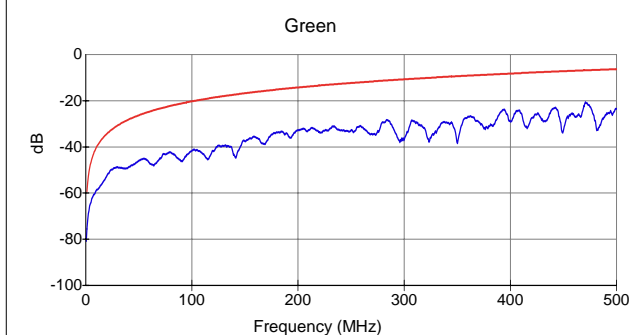
Limit Margin : 16.854 dB @ 2.373 MHz



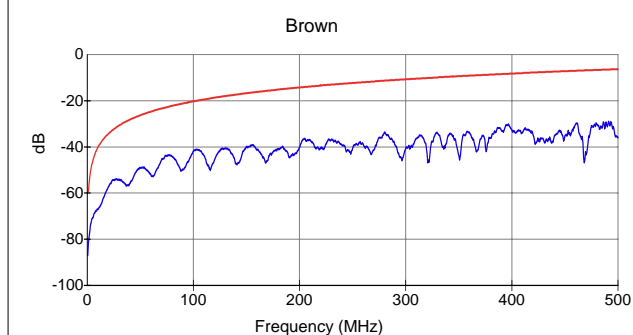
Limit Margin : 20.656 dB @ 181.569 MHz



Limit Margin : 13.851 dB @ 470.654 MHz



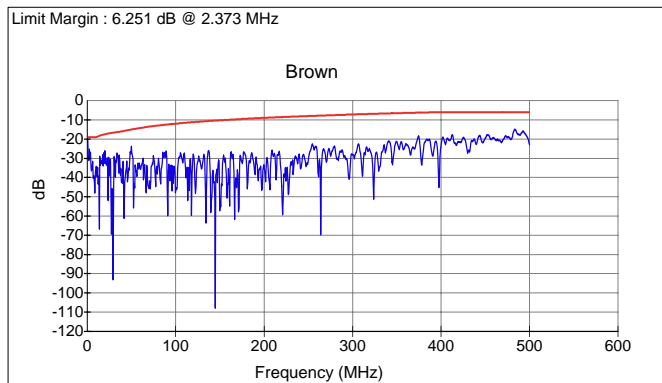
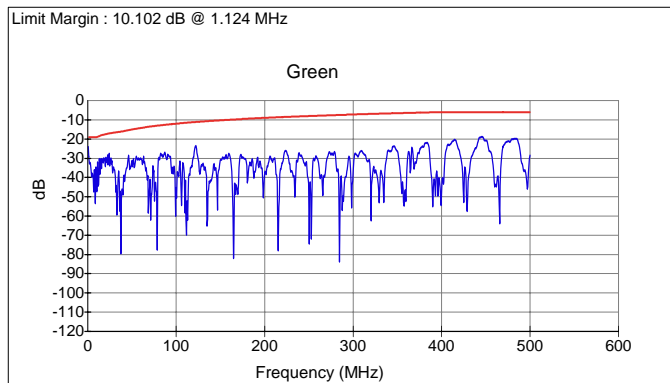
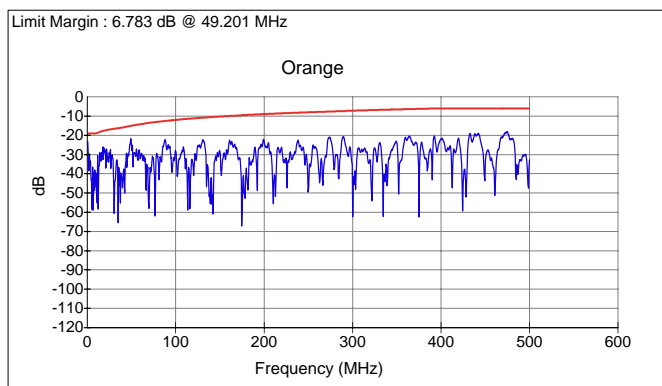
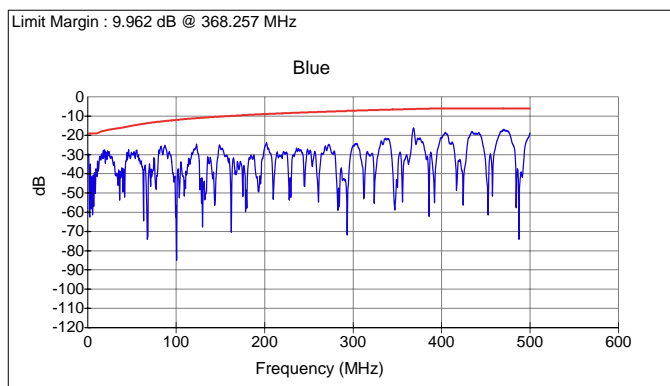
Limit Margin : 20.930 dB @ 76.049 MHz





## Return Loss (Near End)

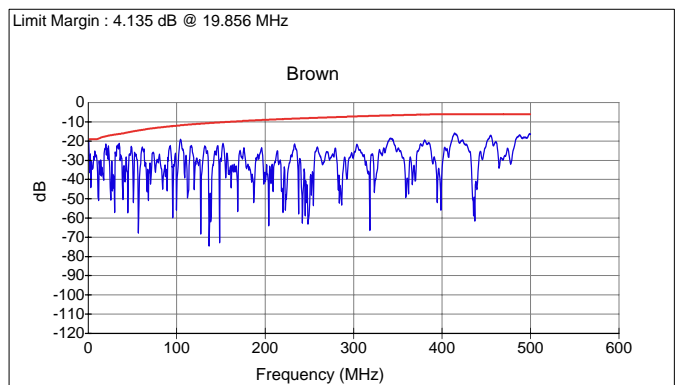
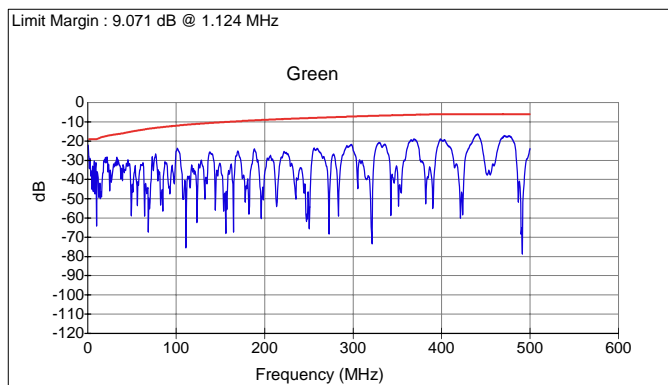
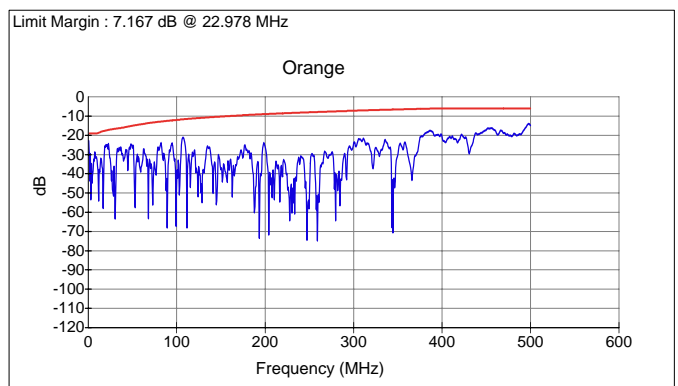
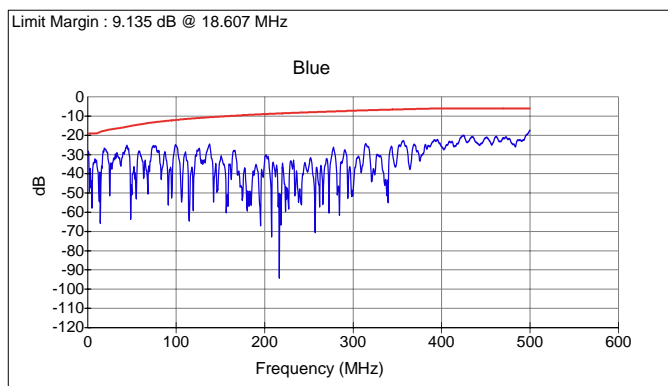
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## Return Loss (Far End)

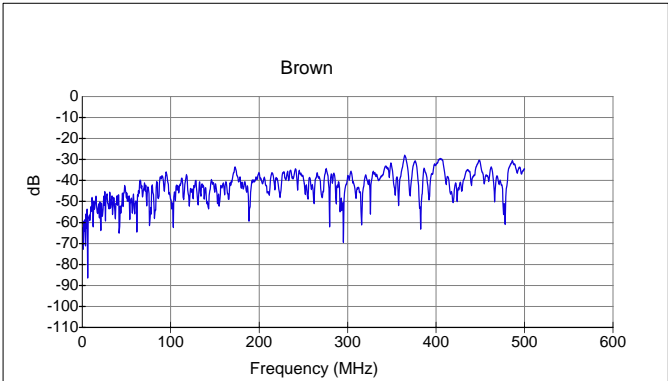
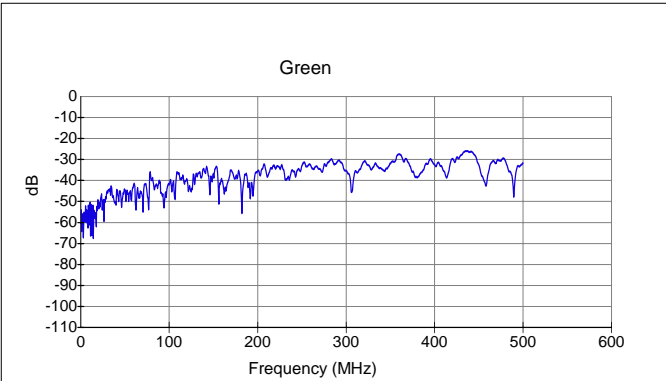
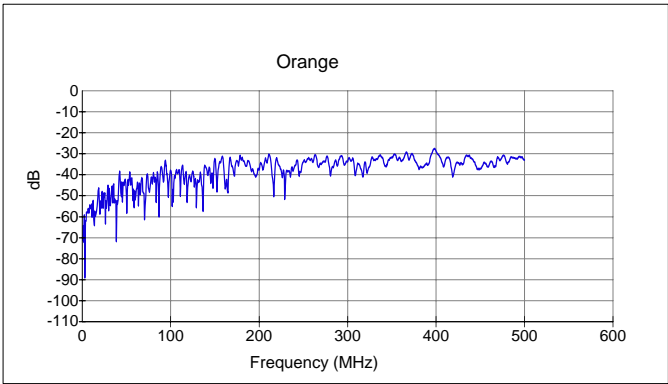
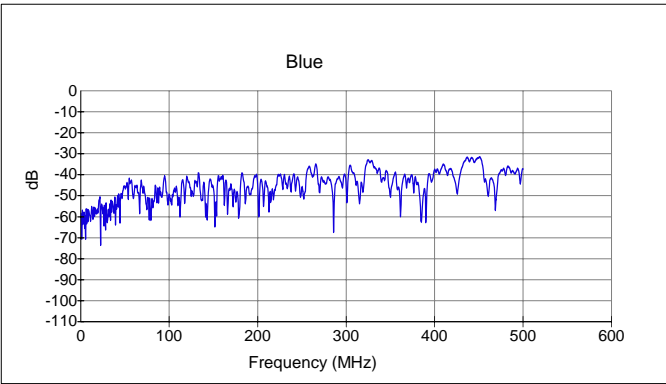
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





Longitudinal Conversion Loss (Near End)

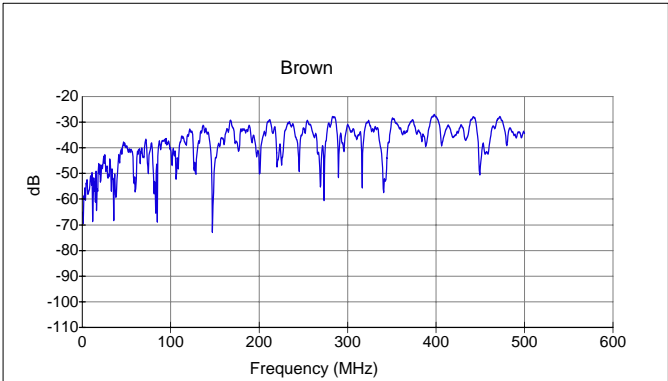
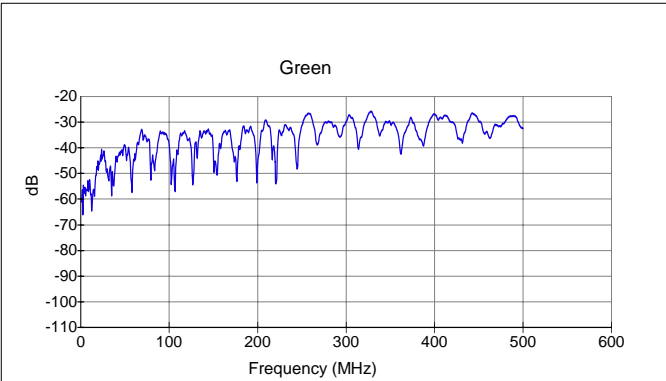
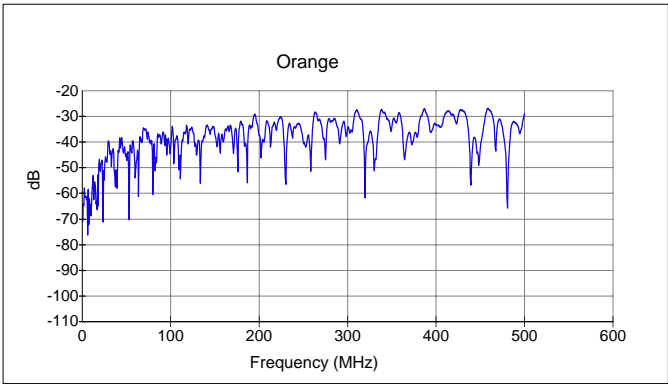
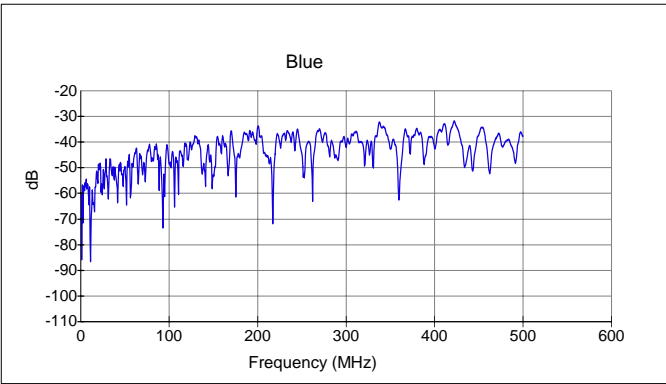
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/7/2010 4:12:08 PM	Temperature	20 °C
Description	3 Connector Channel	Appendix	A
Operator Name	John Cash	Test Status	Complies





Longitudinal Conversion Loss (Far End)

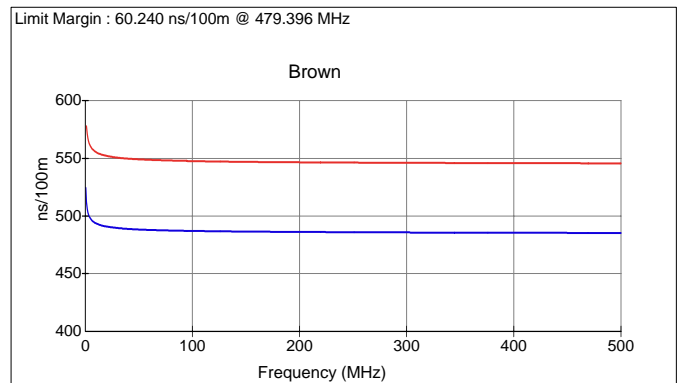
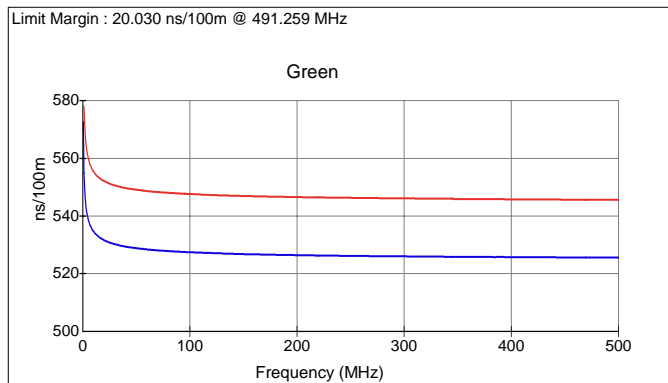
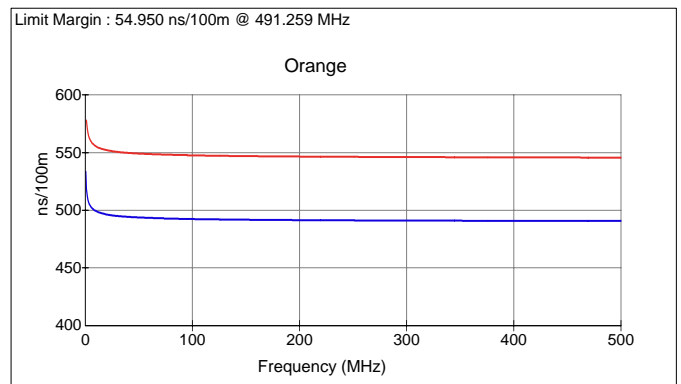
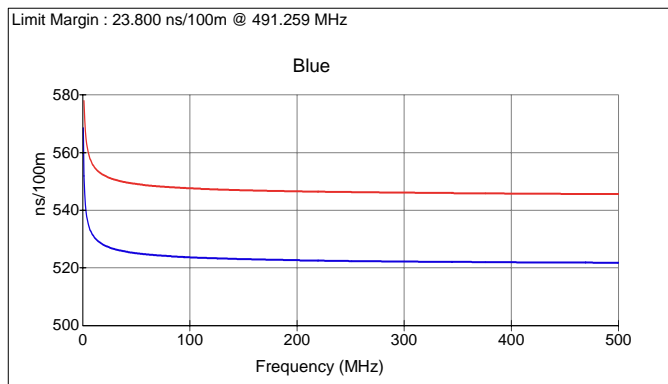
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/7/2010 4:12:08 PM	Temperature	20 °C
Description	3 Connector Channel	Appendix	A
Operator Name	John Cash	Test Status	Complies





## Propagation Delay (Near End)

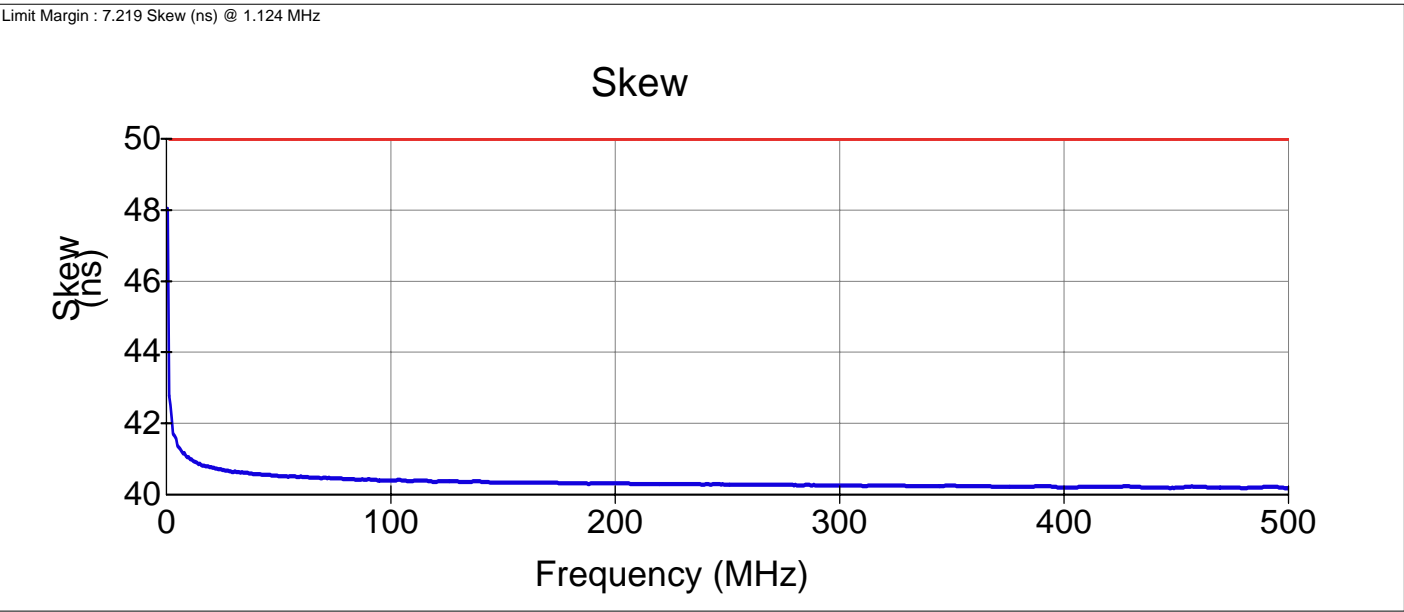
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





Delay Skew (Near End)

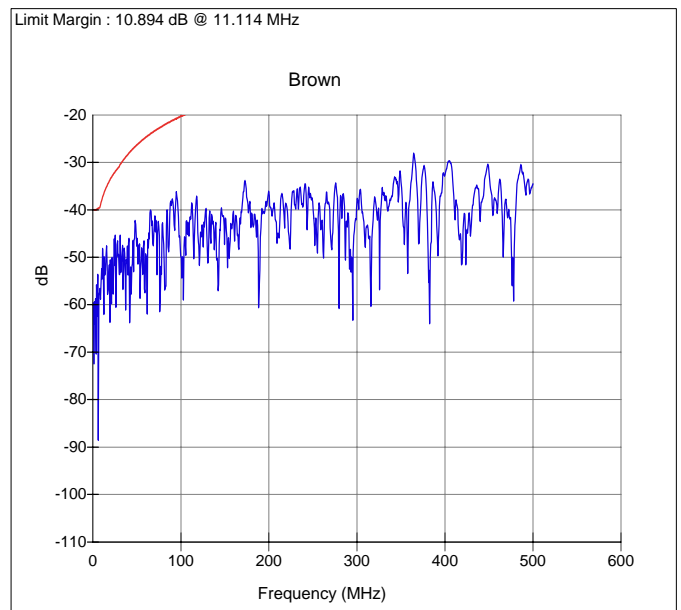
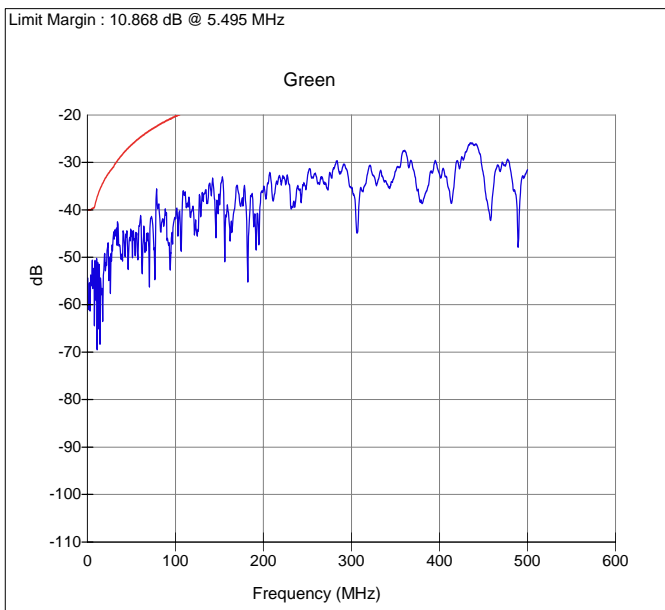
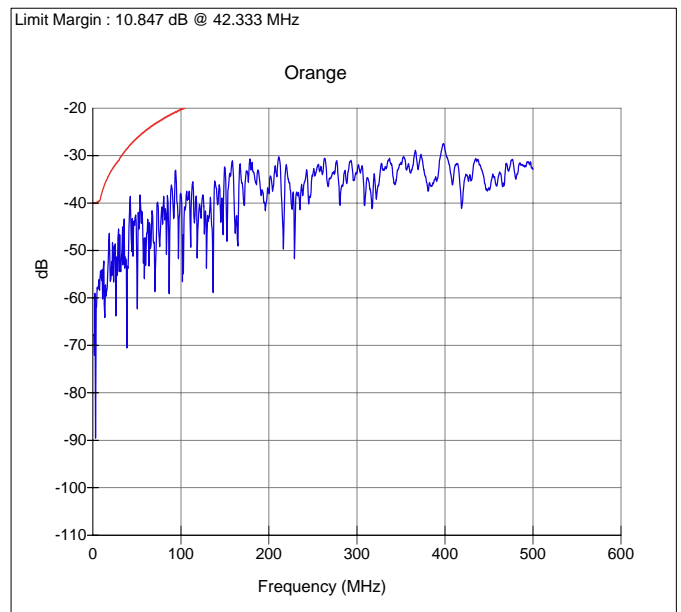
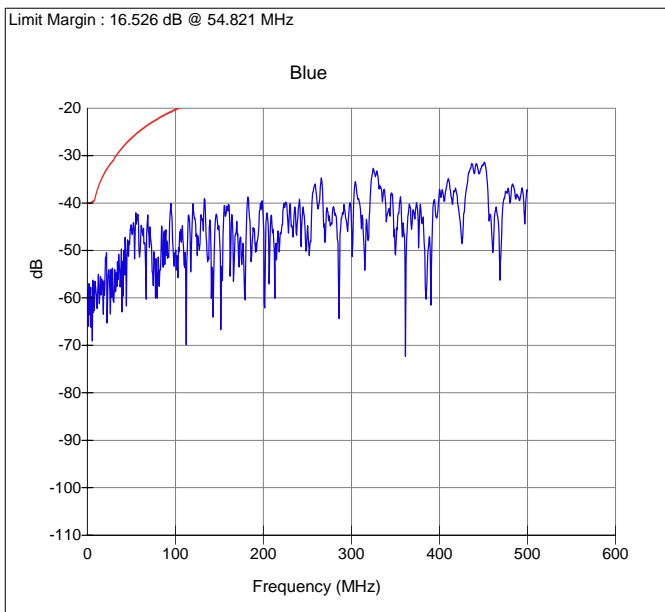
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/7/2010 4:12:08 PM	Temperature	20 °C
Description	3 Connector Channel	Appendix	A
Operator Name	John Cash	Test Status	Complies





## TCL Near

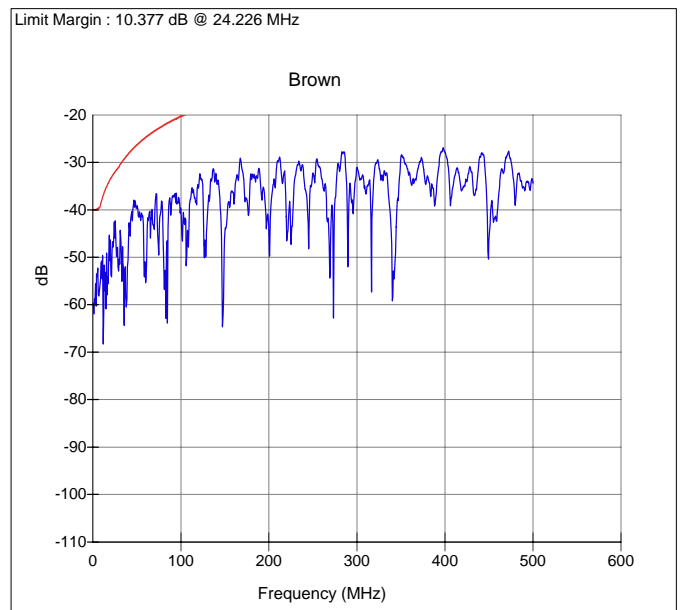
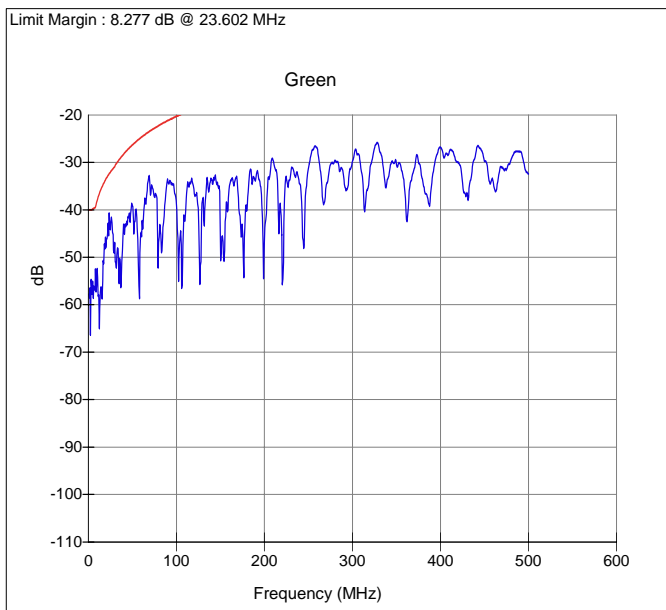
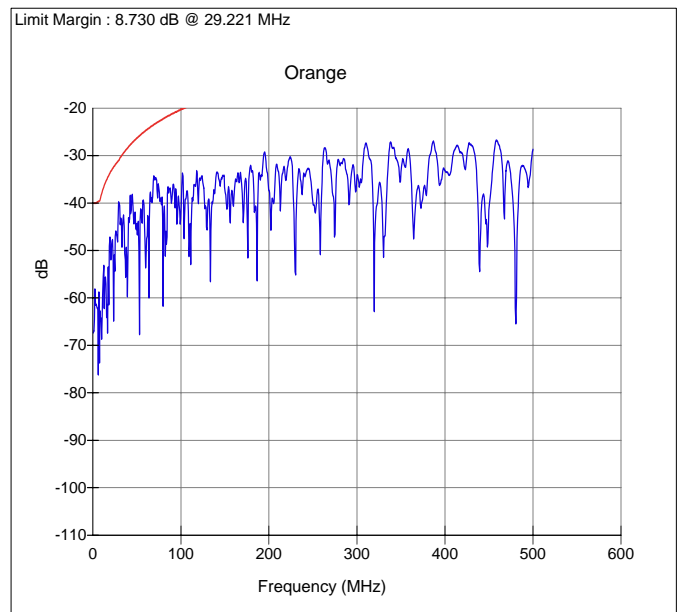
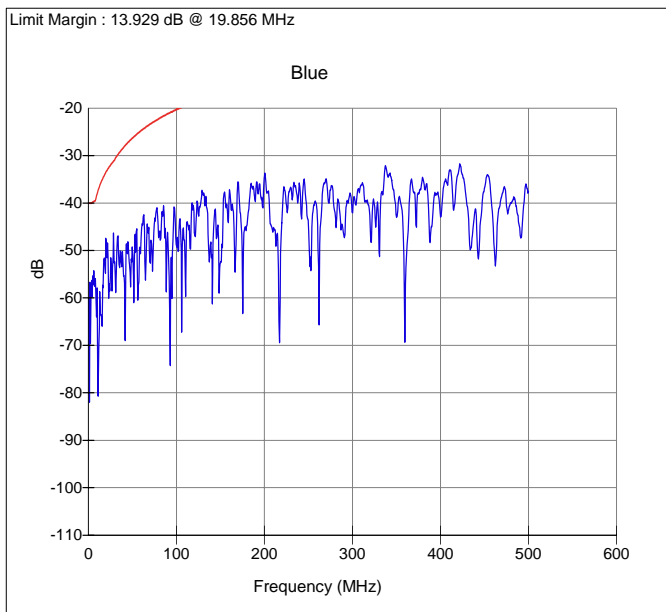
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## TCL Far

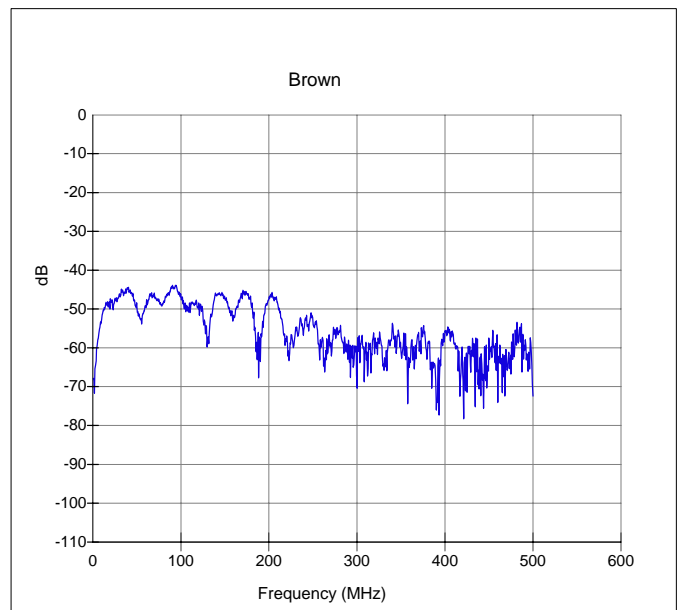
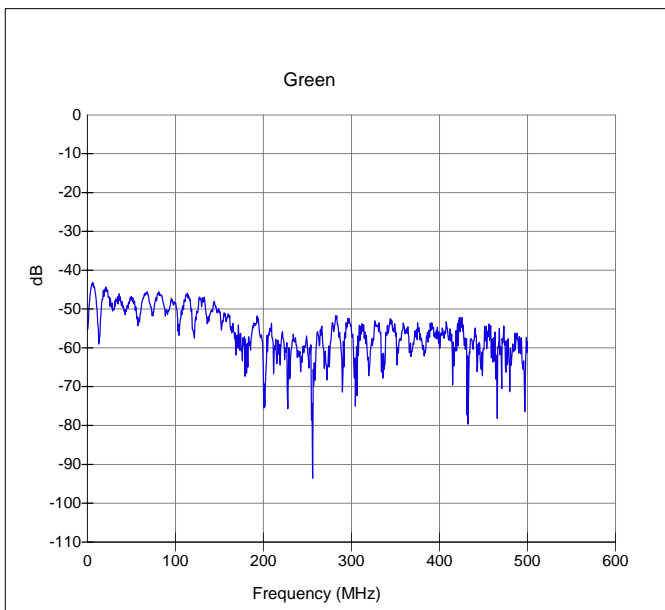
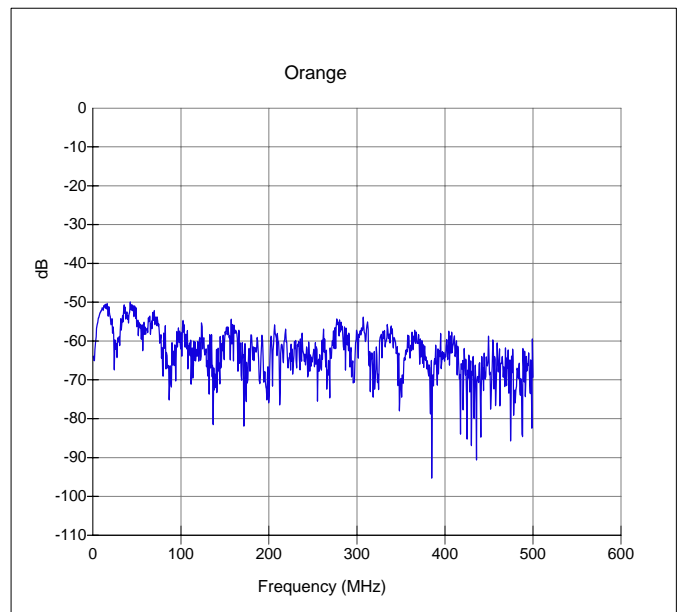
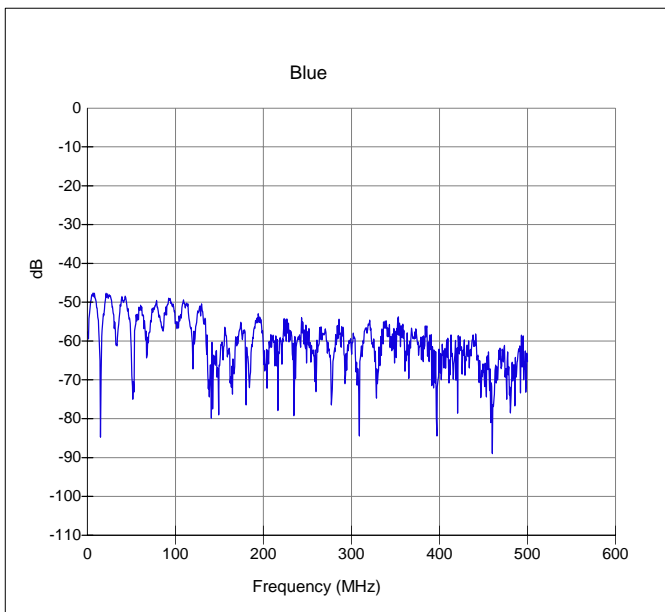
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## TCTL Near

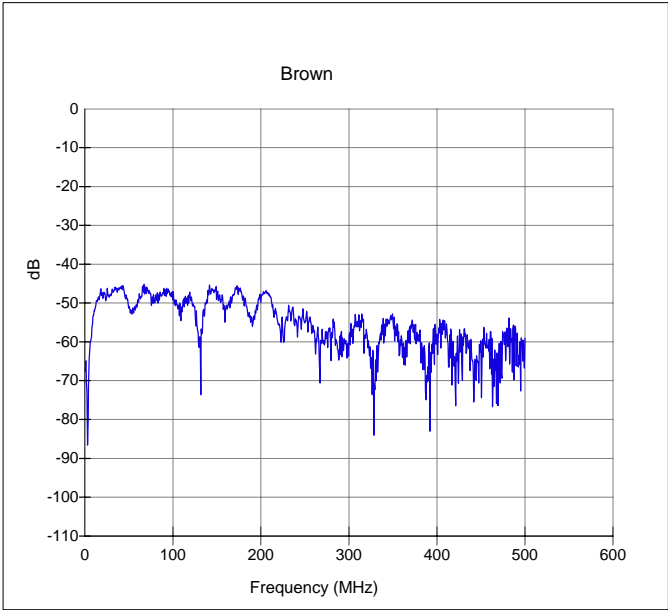
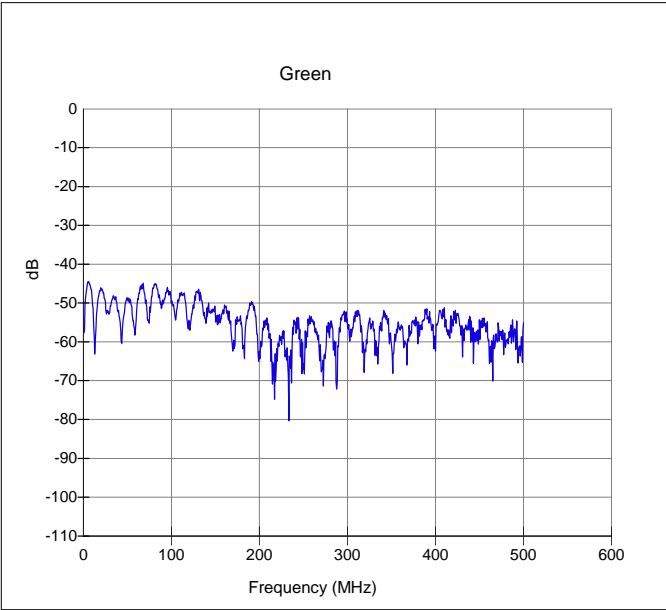
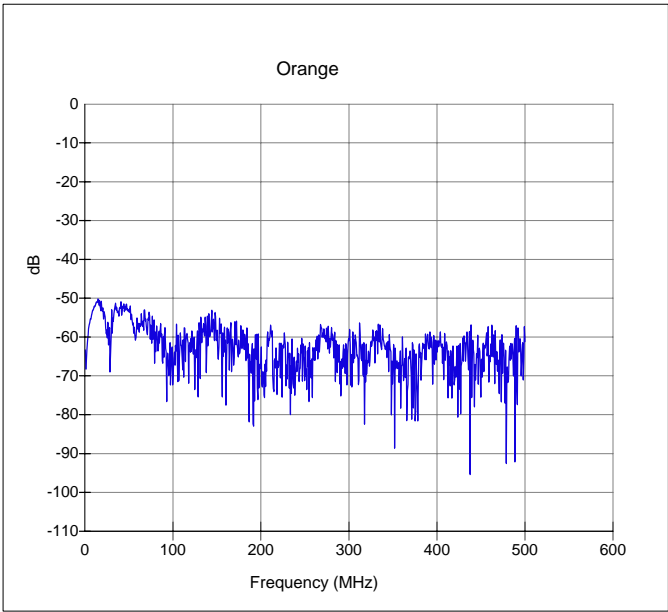
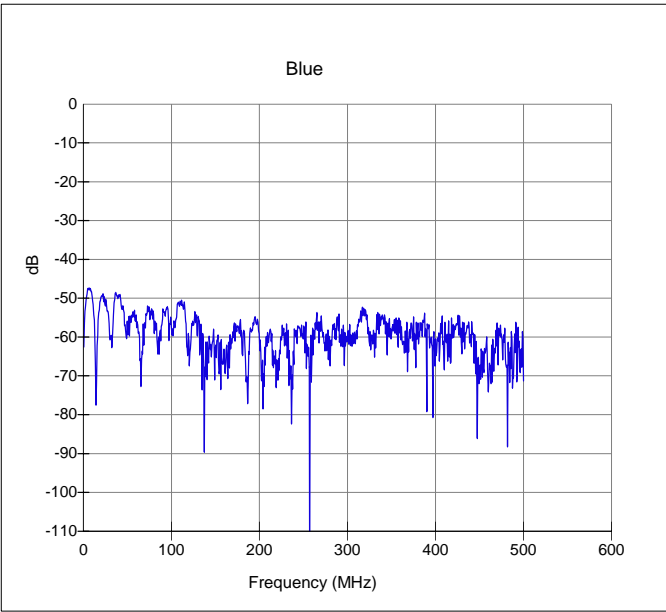
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





TCTL Far

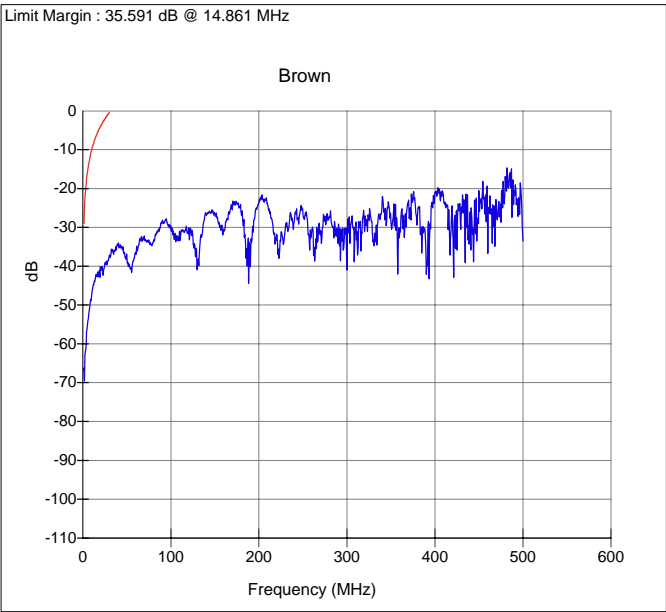
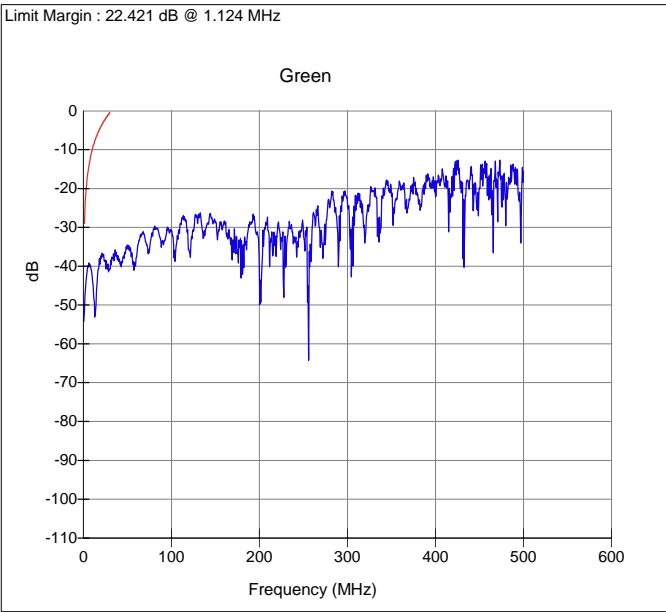
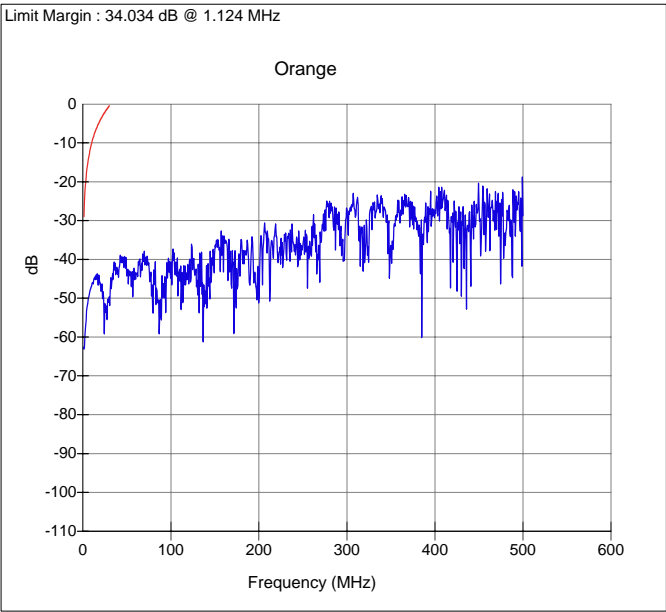
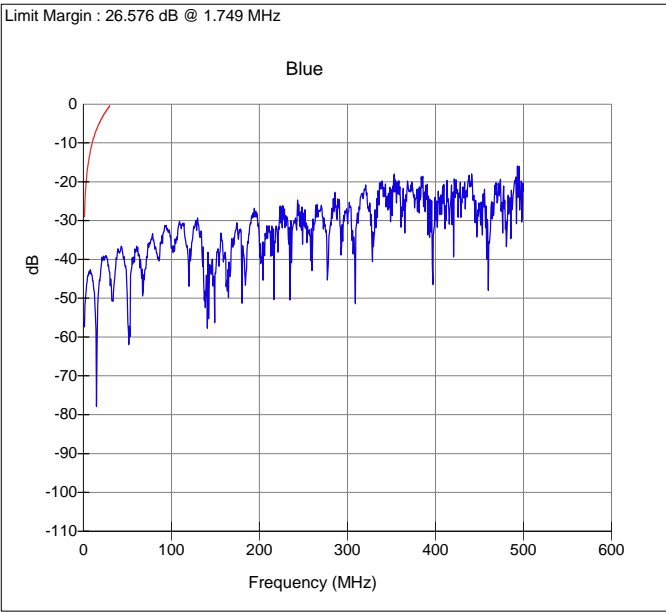
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/7/2010 4:12:08 PM	Temperature	20 °C
Description	3 Connector Channel	Appendix	A
Operator Name	John Cash	Test Status	Complies





ELTCTL Near

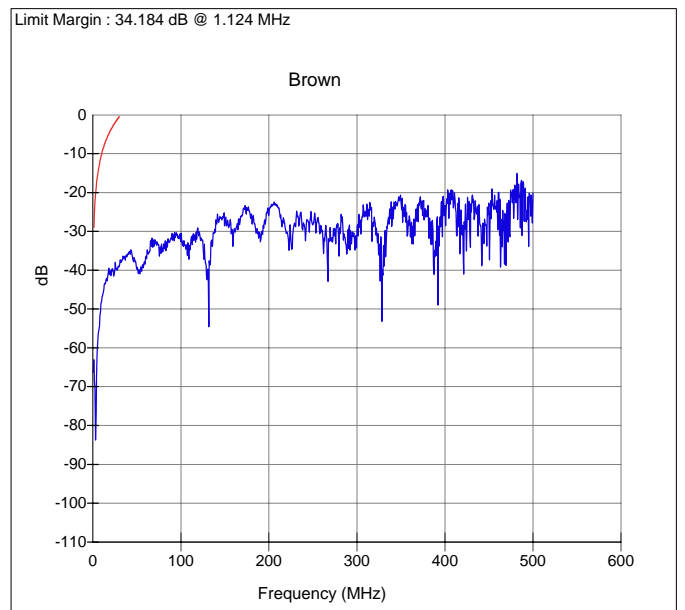
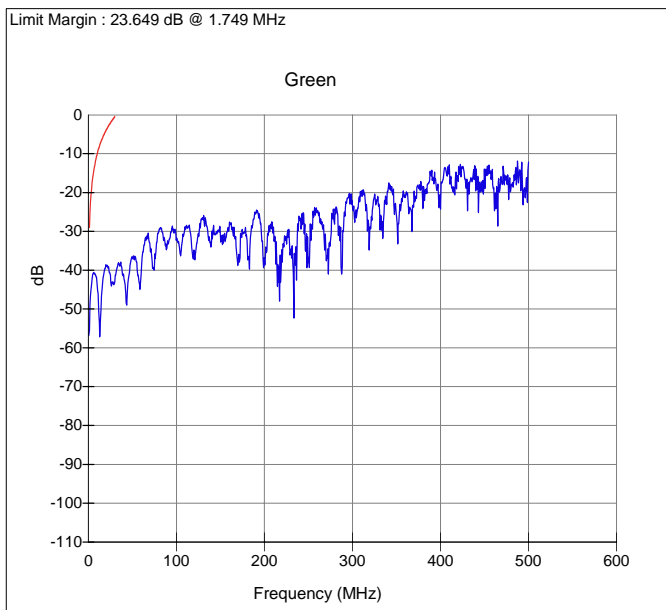
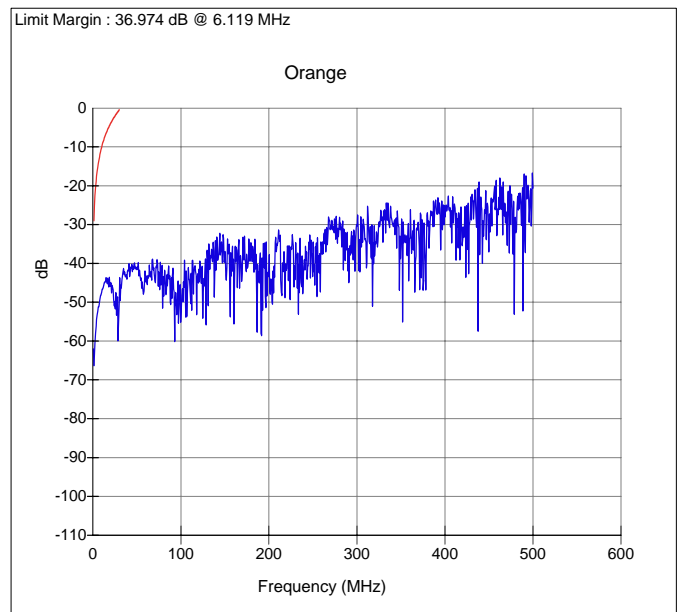
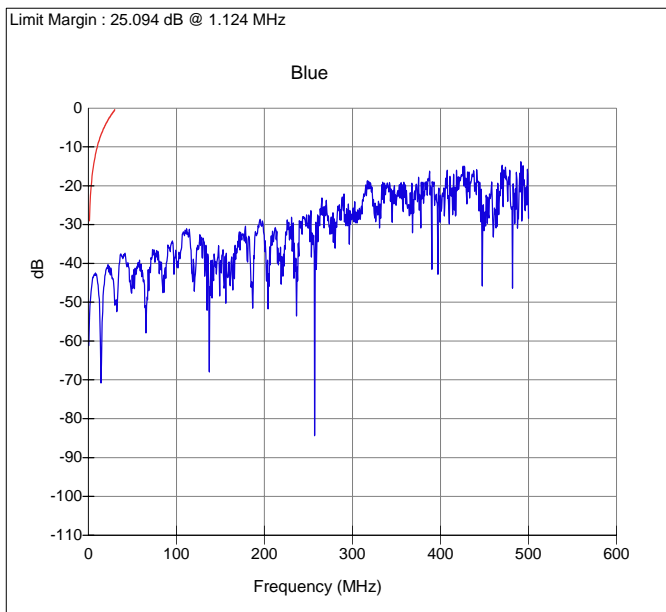
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/7/2010 4:12:08 PM	Temperature	20 °C
Description	3 Connector Channel	Appendix	A
Operator Name	John Cash	Test Status	Complies





## ELTCTL Far

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/7/2010 4:12:08 PM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	A
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





**Appendix B**

External (alien) test results

This appendix contains 61 pages.



## Attenuation (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

Attenuation Near End (dB)				
Frequency	CBL1-P1	CBL1-P2	CBL1-P3	CBL1-P4
0.772	-1.68	-1.54	-1.22	-1.50
1.	-1.94	-1.78	-1.47	-1.72
4.	-3.62	-3.34	-3.14	-3.23
8.	-5.08	-4.70	-4.57	-4.53
10.	-5.68	-5.27	-5.16	-5.08
16.	-7.19	-6.69	-6.66	-6.45
20.	-8.06	-7.50	-7.51	-7.23
25.	-9.04	-8.41	-8.49	-8.11
31.25	-10.12	-9.44	-9.56	-9.10
62.5	-14.41	-13.41	-13.79	-12.92
100.	-18.35	-17.19	-17.71	-16.58
150.	-22.75	-21.29	-22.10	-20.58
155.	-23.17	-21.61	-22.42	-20.86
200.	-26.50	-24.78	-25.69	-23.87
250.	-29.57	-27.83	-28.93	-26.82
300.	-32.55	-30.52	-31.99	-29.46
350.	-35.53	-33.32	-34.90	-32.20
400.	-38.10	-35.89	-38.06	-34.72
450.	-40.44	-38.42	-40.30	-37.05
500.	-42.92	-40.64	-42.94	-38.93



## Attenuation (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

Attenuation Near End (dB)				
Frequency	CBL2-P1	CBL2-P2	CBL2-P3	CBL2-P4
0.772	-1.68	-1.54	-1.22	-1.49
1.	-1.94	-1.78	-1.47	-1.72
4.	-3.62	-3.34	-3.14	-3.23
8.	-5.07	-4.70	-4.57	-4.53
10.	-5.68	-5.27	-5.16	-5.08
16.	-7.19	-6.69	-6.66	-6.45
20.	-8.06	-7.50	-7.51	-7.23
25.	-9.04	-8.41	-8.49	-8.11
31.25	-10.13	-9.44	-9.56	-9.10
62.5	-14.40	-13.41	-13.79	-12.93
100.	-18.36	-17.19	-17.71	-16.59
150.	-22.75	-21.28	-22.10	-20.57
155.	-23.17	-21.61	-22.42	-20.85
200.	-26.49	-24.79	-25.69	-23.87
250.	-29.56	-27.82	-28.93	-26.82
300.	-32.54	-30.53	-31.99	-29.45
350.	-35.52	-33.32	-34.90	-32.19
400.	-38.10	-35.90	-38.05	-34.71
450.	-40.43	-38.43	-40.31	-37.03
500.	-42.91	-40.64	-42.93	-38.93



## Attenuation (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

Attenuation Near End (dB)				
Frequency	CBL3-P1	CBL3-P2	CBL3-P3	CBL3-P4
0.772	-1.68	-1.54	-1.22	-1.50
1.	-1.94	-1.79	-1.47	-1.72
4.	-3.62	-3.34	-3.14	-3.23
8.	-5.08	-4.70	-4.56	-4.53
10.	-5.68	-5.27	-5.16	-5.08
16.	-7.19	-6.70	-6.66	-6.45
20.	-8.06	-7.50	-7.51	-7.23
25.	-9.04	-8.41	-8.49	-8.11
31.25	-10.12	-9.44	-9.56	-9.10
62.5	-14.40	-13.41	-13.79	-12.92
100.	-18.36	-17.18	-17.71	-16.58
150.	-22.75	-21.28	-22.09	-20.57
155.	-23.17	-21.61	-22.42	-20.86
200.	-26.50	-24.79	-25.69	-23.87
250.	-29.57	-27.83	-28.92	-26.82
300.	-32.54	-30.52	-31.99	-29.45
350.	-35.51	-33.34	-34.91	-32.19
400.	-38.11	-35.89	-38.03	-34.71
450.	-40.44	-38.44	-40.32	-37.03
500.	-42.90	-40.64	-42.89	-38.93



## Attenuation (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

Attenuation Near End (dB)				
Frequency	CBL4-P1	CBL4-P2	CBL4-P3	CBL4-P4
0.772	-1.67	-1.54	-1.22	-1.49
1.	-1.94	-1.78	-1.47	-1.72
4.	-3.62	-3.34	-3.14	-3.23
8.	-5.08	-4.70	-4.57	-4.53
10.	-5.68	-5.27	-5.16	-5.07
16.	-7.19	-6.70	-6.66	-6.45
20.	-8.06	-7.50	-7.51	-7.23
25.	-9.04	-8.41	-8.49	-8.11
31.25	-10.12	-9.44	-9.56	-9.10
62.5	-14.41	-13.40	-13.79	-12.92
100.	-18.35	-17.19	-17.71	-16.58
150.	-22.75	-21.28	-22.09	-20.57
155.	-23.17	-21.61	-22.42	-20.86
200.	-26.50	-24.79	-25.69	-23.87
250.	-29.57	-27.82	-28.92	-26.81
300.	-32.54	-30.53	-31.98	-29.46
350.	-35.51	-33.32	-34.91	-32.18
400.	-38.11	-35.88	-38.04	-34.71
450.	-40.42	-38.41	-40.31	-37.04
500.	-42.92	-40.66	-42.92	-38.93



## Attenuation (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

Attenuation Near End (dB)				
Frequency	CBL5-P1	CBL5-P2	CBL5-P3	CBL5-P4
0.772	-1.68	-1.54	-1.22	-1.50
1.	-1.94	-1.78	-1.47	-1.72
4.	-3.62	-3.34	-3.14	-3.23
8.	-5.07	-4.70	-4.56	-4.53
10.	-5.68	-5.27	-5.16	-5.08
16.	-7.19	-6.70	-6.66	-6.45
20.	-8.06	-7.50	-7.50	-7.23
25.	-9.04	-8.41	-8.48	-8.11
31.25	-10.12	-9.44	-9.56	-9.10
62.5	-14.41	-13.40	-13.79	-12.92
100.	-18.35	-17.18	-17.71	-16.57
150.	-22.75	-21.28	-22.09	-20.57
155.	-23.17	-21.61	-22.42	-20.85
200.	-26.50	-24.79	-25.69	-23.87
250.	-29.57	-27.82	-28.92	-26.81
300.	-32.54	-30.52	-31.99	-29.45
350.	-35.51	-33.32	-34.91	-32.18
400.	-38.10	-35.91	-38.02	-34.70
450.	-40.43	-38.43	-40.31	-37.04
500.	-42.89	-40.62	-42.90	-38.94



## Attenuation (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

Attenuation Near End (dB)				
Frequency	CBL6-P1	CBL6-P2	CBL6-P3	CBL6-P4
0.772	-1.67	-1.54	-1.22	-1.50
1.	-1.94	-1.78	-1.47	-1.72
4.	-3.62	-3.34	-3.14	-3.23
8.	-5.07	-4.70	-4.57	-4.53
10.	-5.68	-5.27	-5.16	-5.08
16.	-7.19	-6.70	-6.66	-6.45
20.	-8.06	-7.50	-7.51	-7.23
25.	-9.04	-8.41	-8.48	-8.11
31.25	-10.12	-9.44	-9.56	-9.09
62.5	-14.40	-13.41	-13.79	-12.92
100.	-18.35	-17.18	-17.71	-16.57
150.	-22.75	-21.28	-22.09	-20.57
155.	-23.17	-21.61	-22.42	-20.85
200.	-26.50	-24.79	-25.69	-23.86
250.	-29.57	-27.82	-28.92	-26.81
300.	-32.53	-30.52	-31.98	-29.45
350.	-35.51	-33.32	-34.90	-32.18
400.	-38.10	-35.89	-38.03	-34.71
450.	-40.44	-38.43	-40.32	-37.04
500.	-42.90	-40.62	-42.89	-38.94



## Attenuation (Near End)

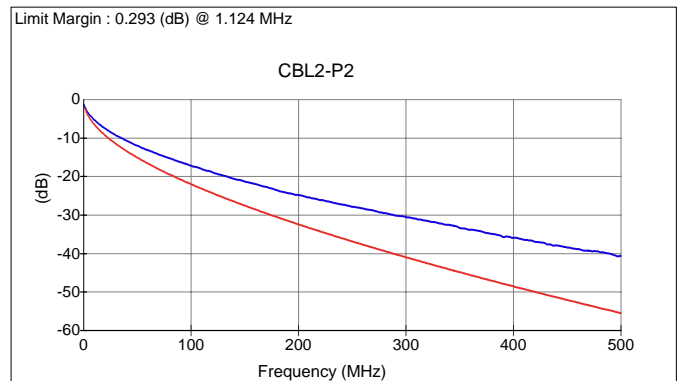
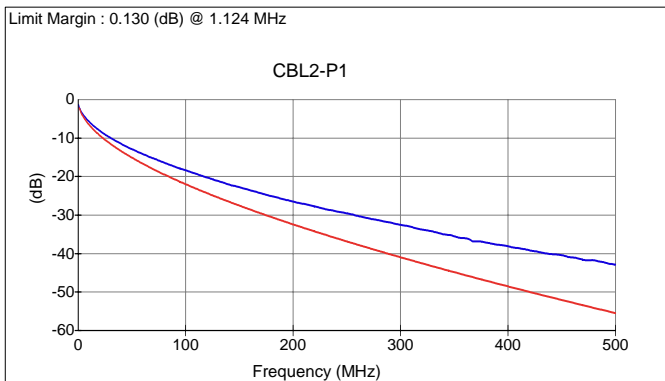
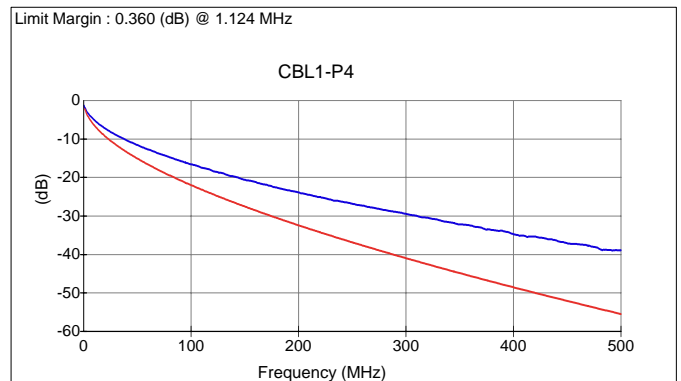
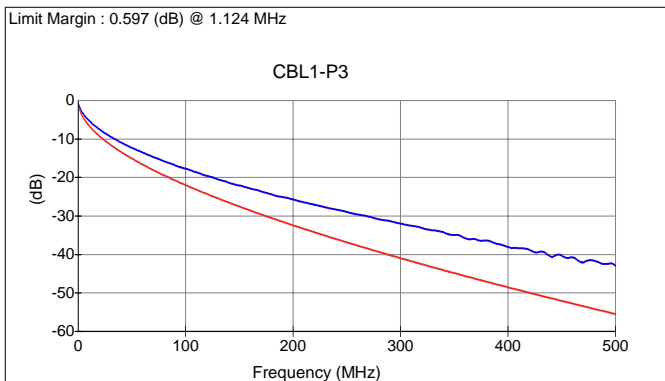
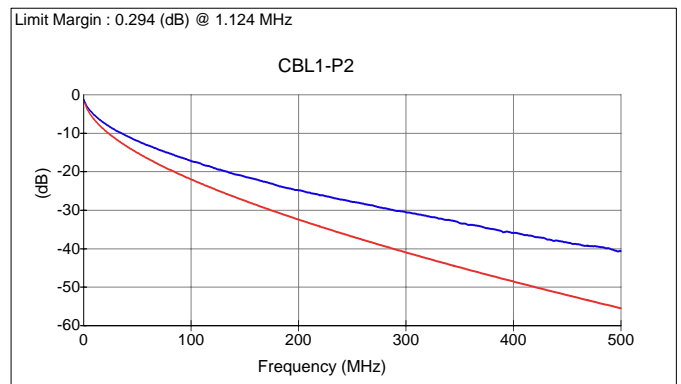
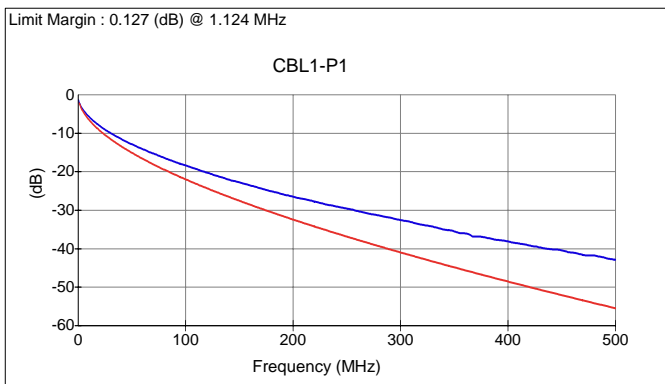
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

Attenuation Near End (dB)				
Frequency	CBL7-P1	CBL7-P2	CBL7-P3	CBL7-P4
0.772	-1.67	-1.54	-1.22	-1.50
1.	-1.93	-1.79	-1.47	-1.72
4.	-3.62	-3.34	-3.14	-3.23
8.	-5.07	-4.70	-4.56	-4.53
10.	-5.68	-5.27	-5.16	-5.08
16.	-7.19	-6.70	-6.66	-6.45
20.	-8.06	-7.50	-7.51	-7.23
25.	-9.04	-8.41	-8.49	-8.11
31.25	-10.12	-9.44	-9.56	-9.10
62.5	-14.41	-13.41	-13.79	-12.92
100.	-18.35	-17.18	-17.71	-16.58
150.	-22.75	-21.29	-22.09	-20.57
155.	-23.16	-21.61	-22.42	-20.85
200.	-26.49	-24.79	-25.69	-23.87
250.	-29.56	-27.82	-28.92	-26.81
300.	-32.54	-30.53	-31.99	-29.45
350.	-35.50	-33.33	-34.91	-32.18
400.	-38.09	-35.90	-38.03	-34.71
450.	-40.44	-38.41	-40.30	-37.03
500.	-42.91	-40.65	-42.87	-38.94



## Attenuation (Near End)

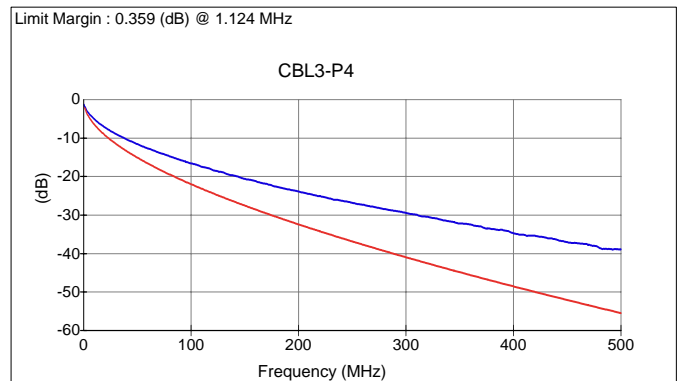
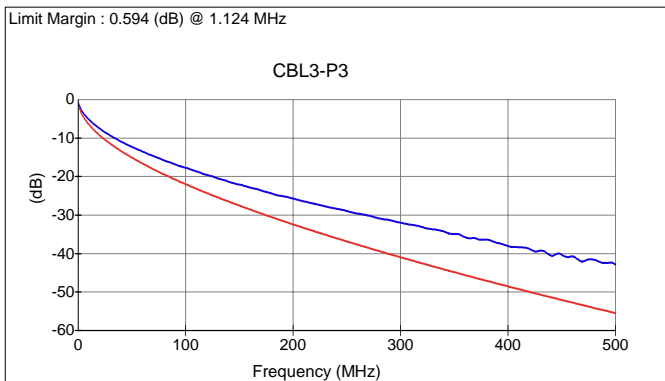
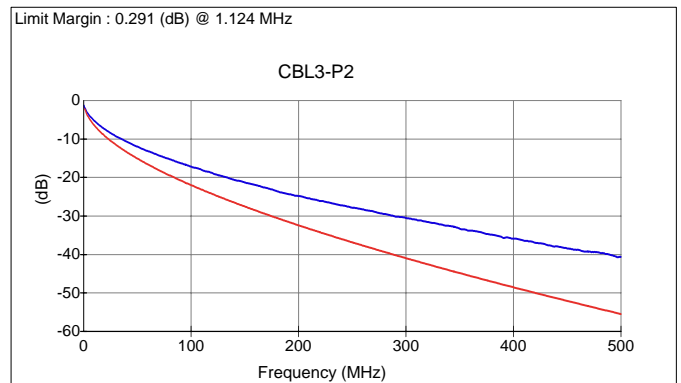
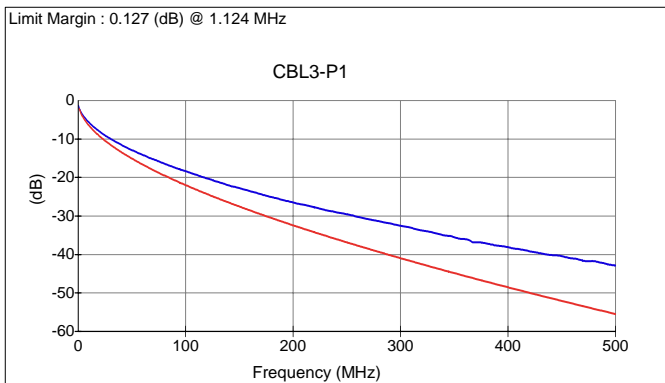
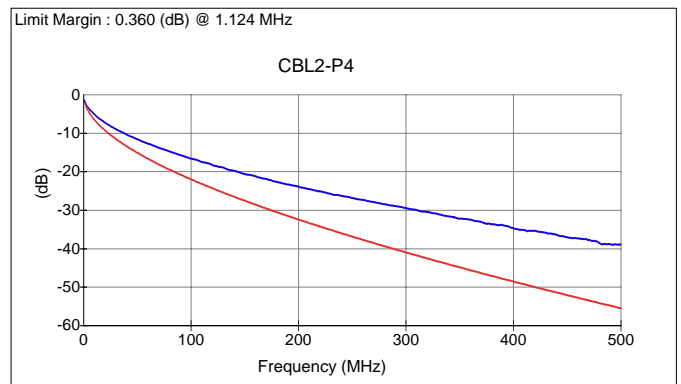
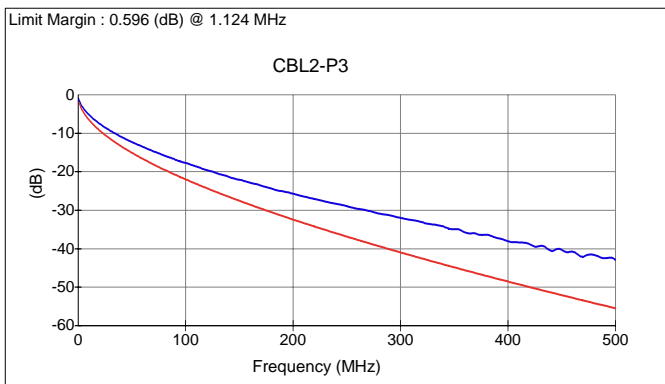
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## Attenuation (Near End)

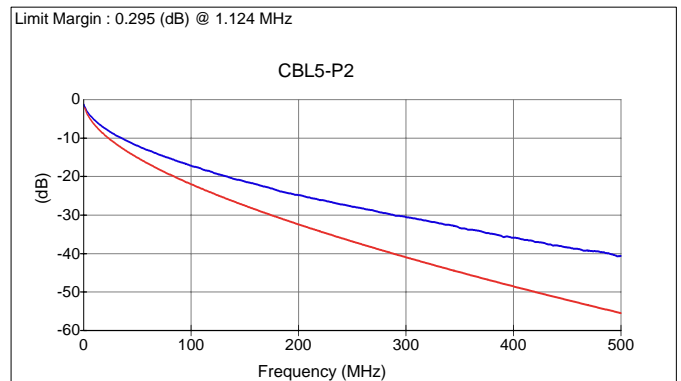
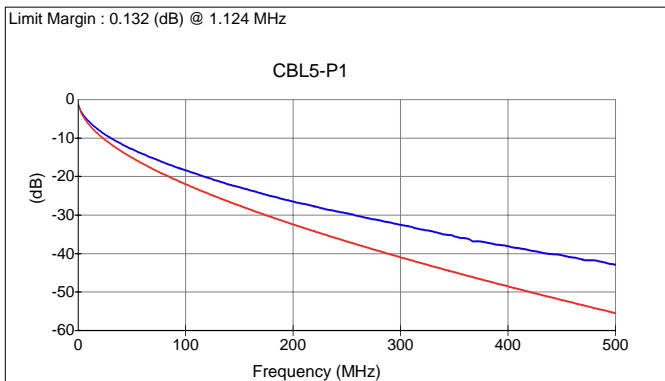
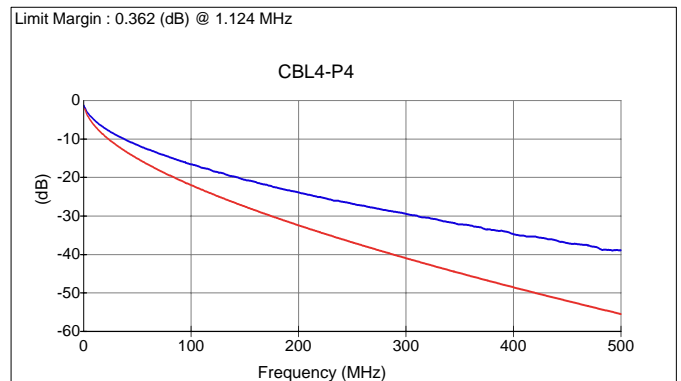
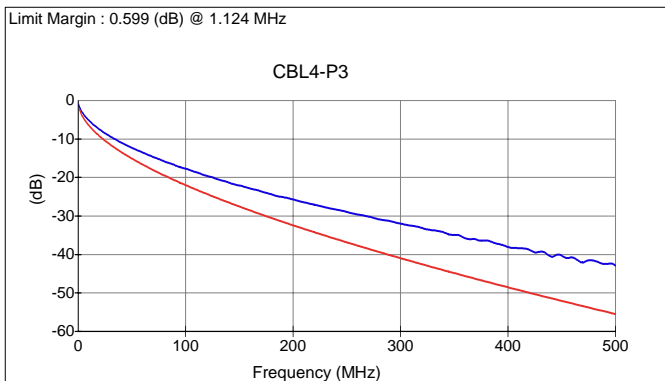
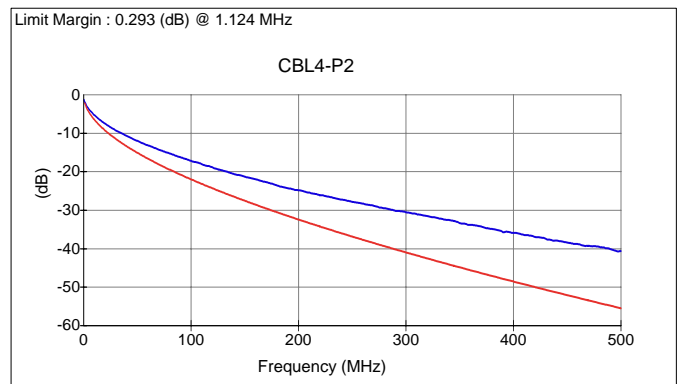
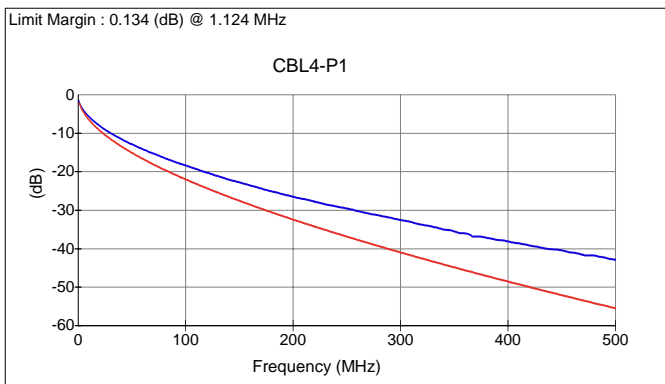
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## Attenuation (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

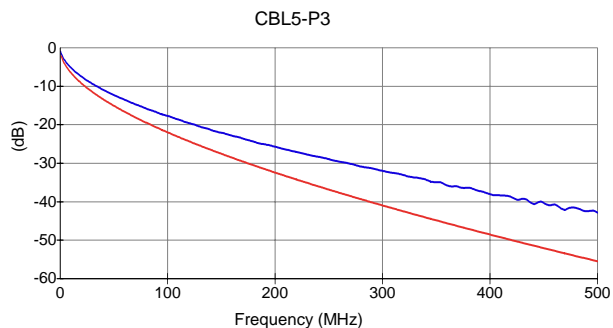




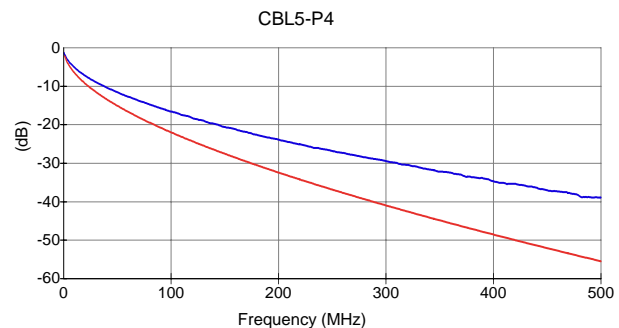
## Attenuation (Near End)

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

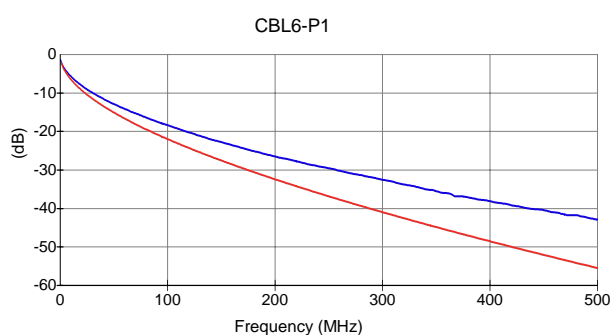
Limit Margin : 0.598 (dB) @ 1.124 MHz



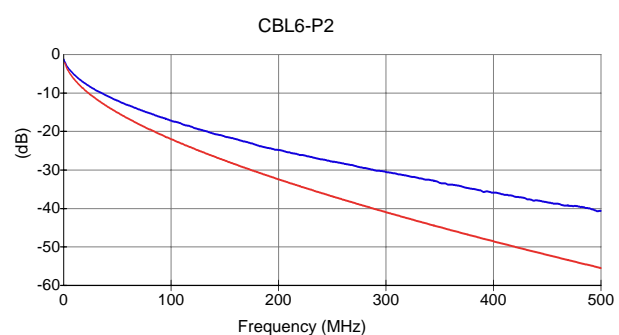
Limit Margin : 0.364 (dB) @ 1.124 MHz



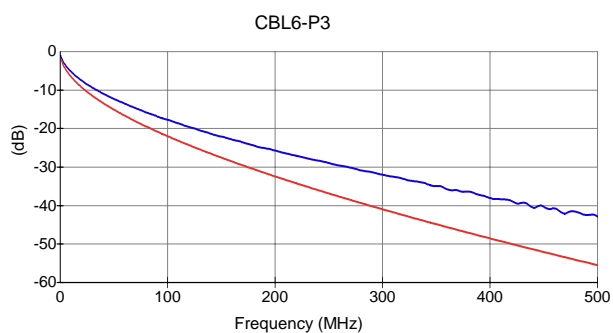
Limit Margin : 0.134 (dB) @ 1.124 MHz



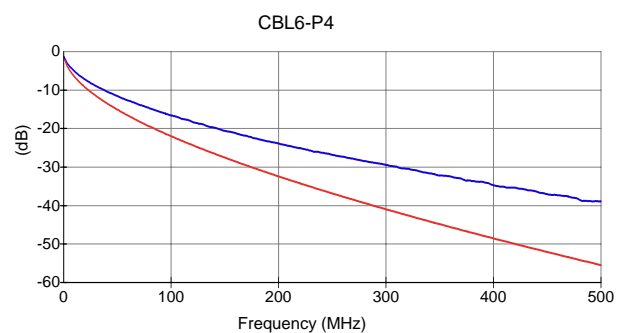
Limit Margin : 0.298 (dB) @ 1.124 MHz



Limit Margin : 0.594 (dB) @ 1.124 MHz



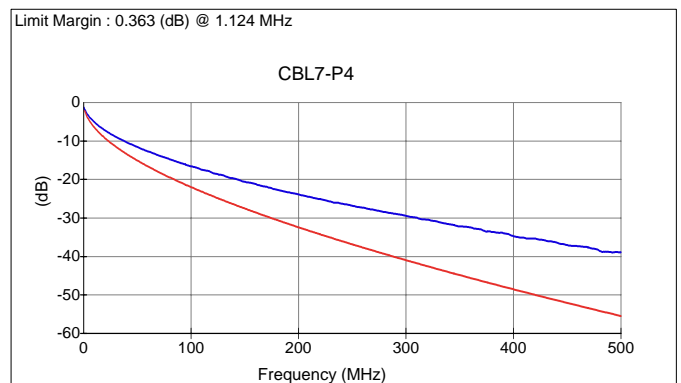
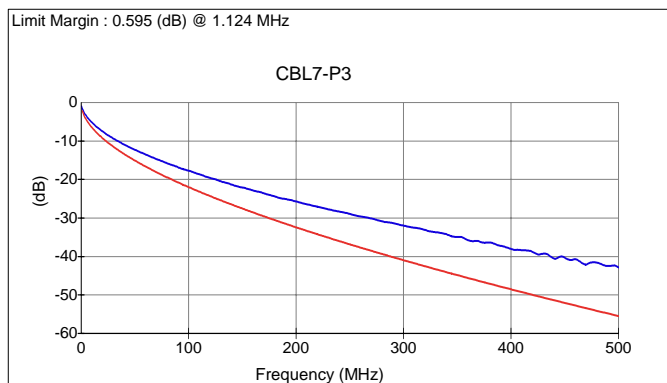
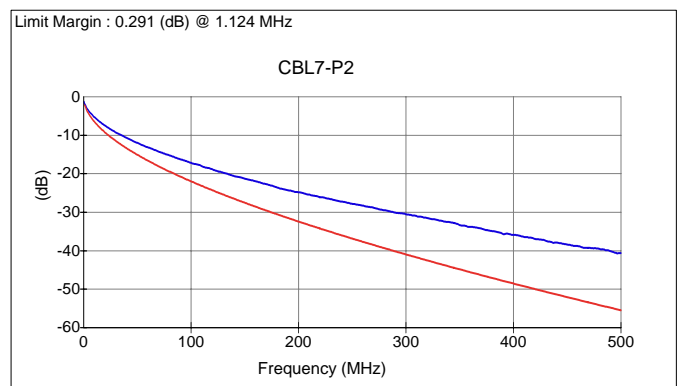
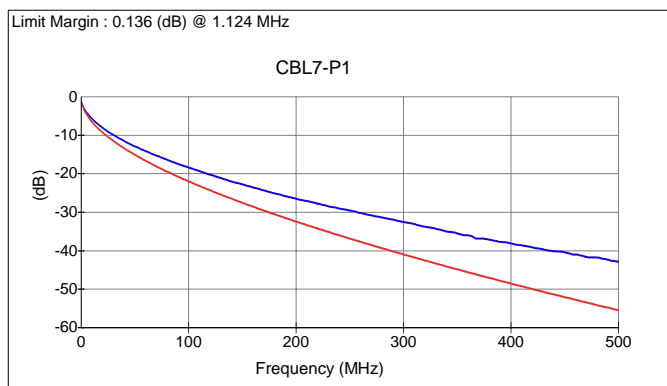
Limit Margin : 0.364 (dB) @ 1.124 MHz





## Attenuation (Near End)

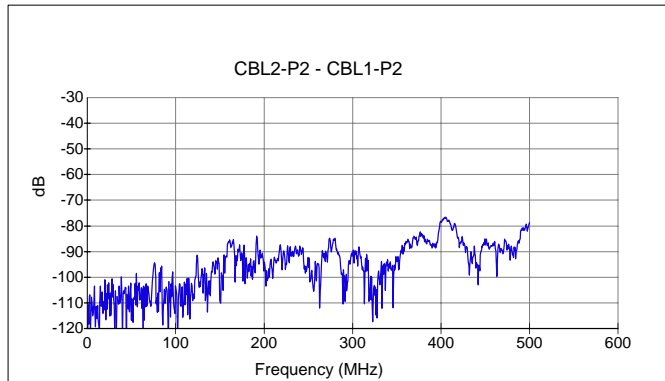
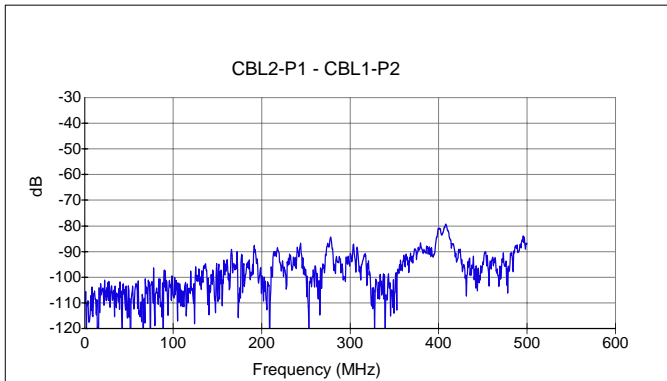
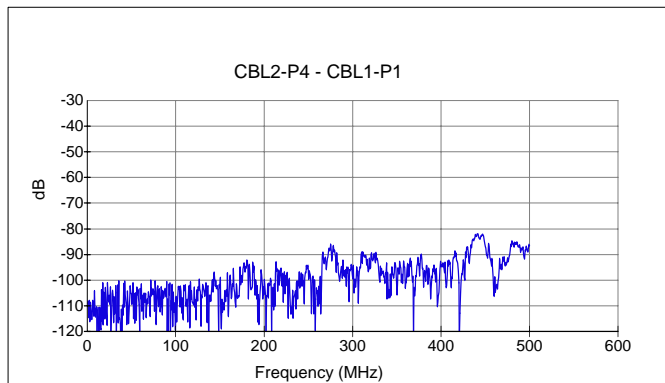
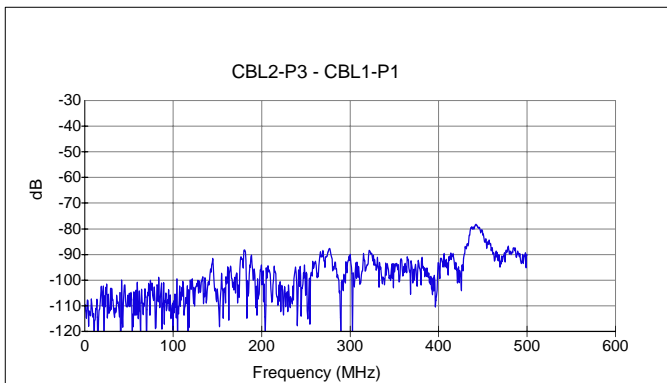
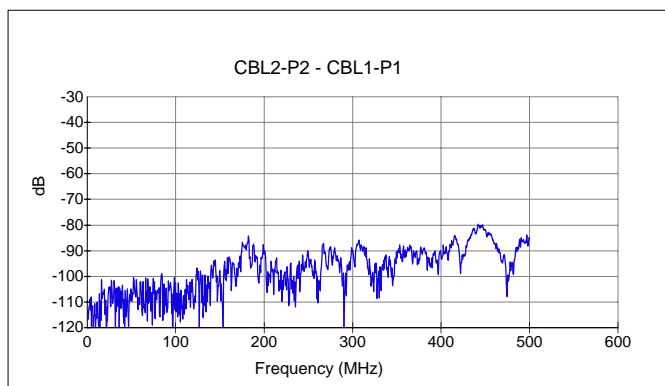
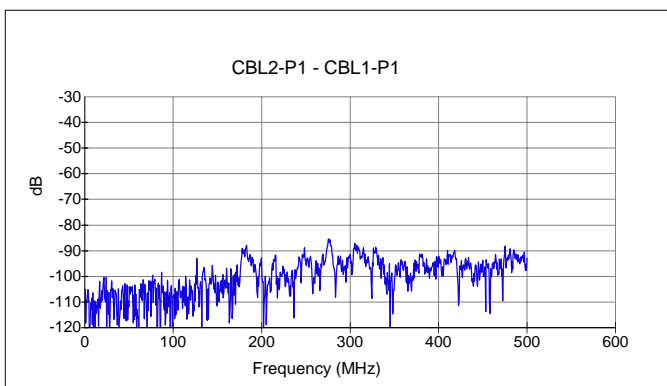
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Near

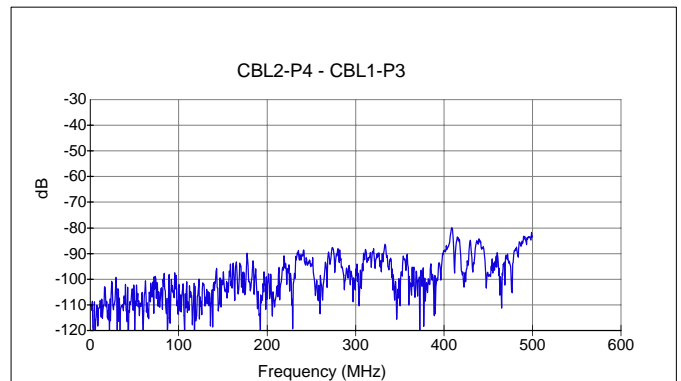
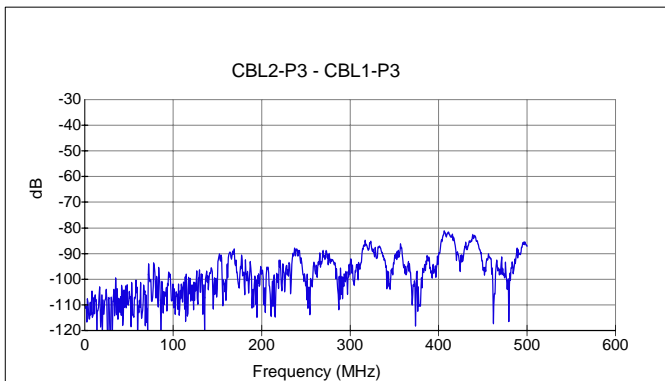
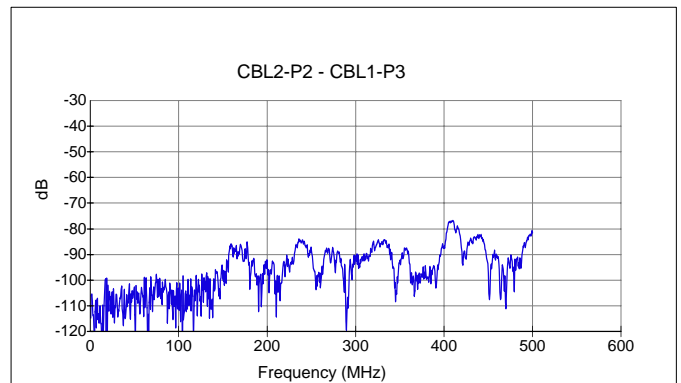
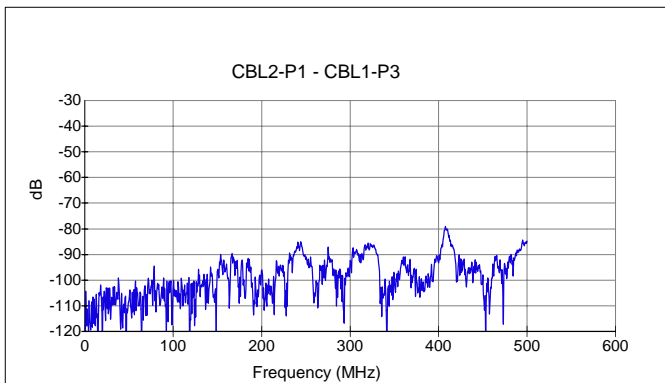
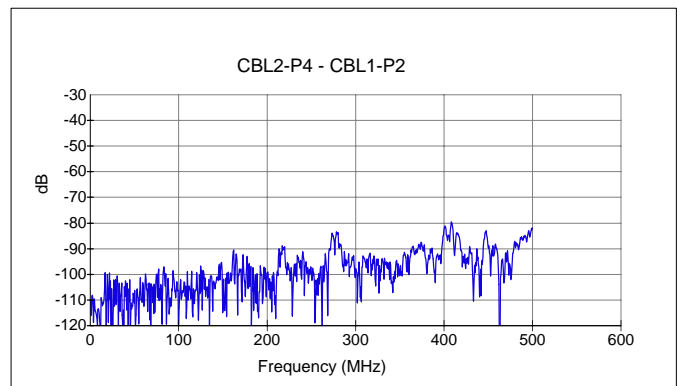
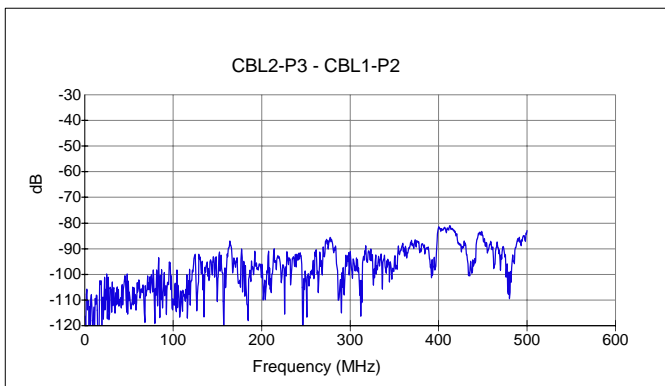
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Near

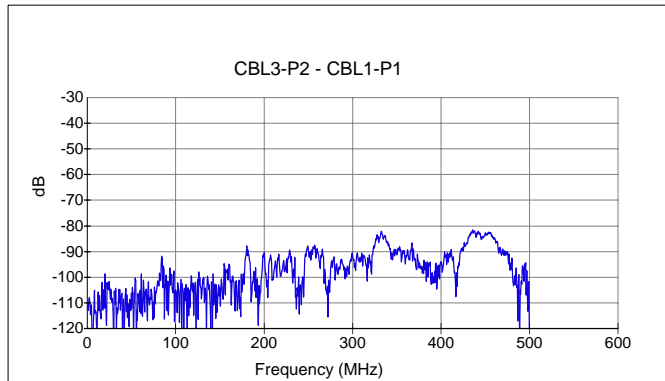
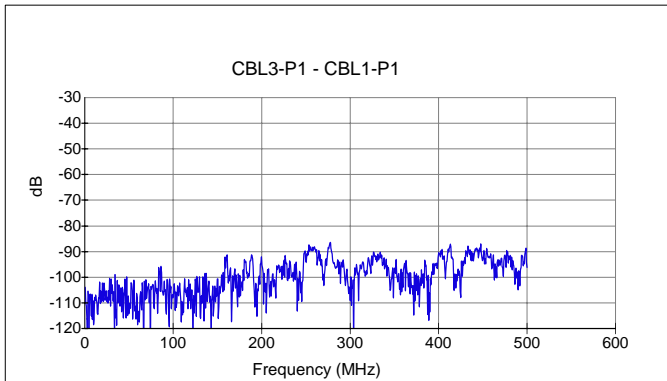
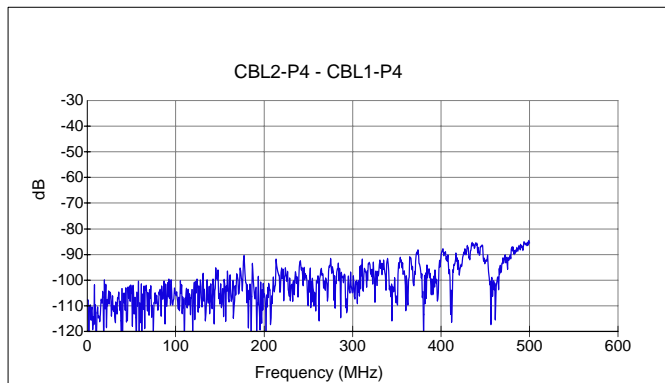
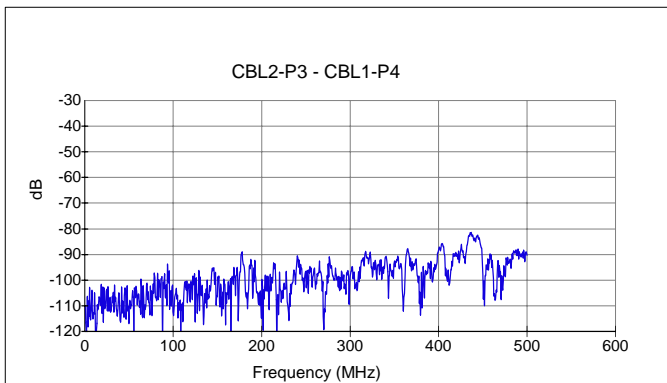
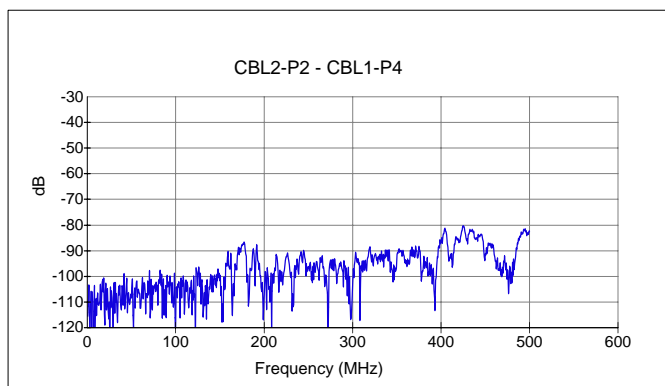
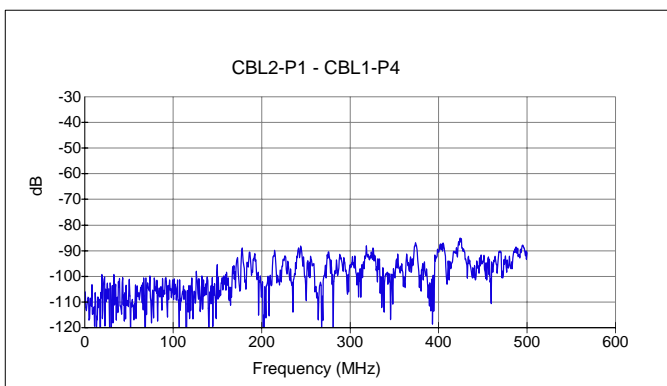
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Near

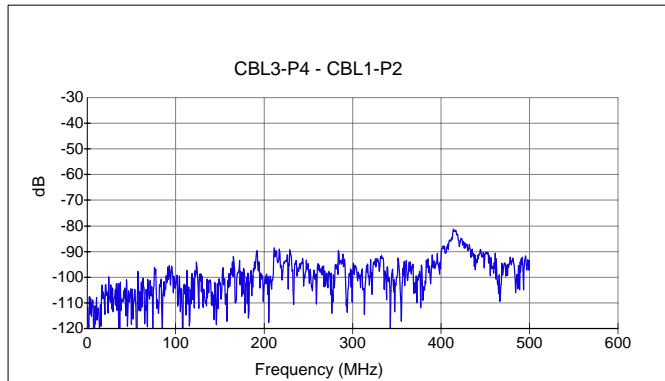
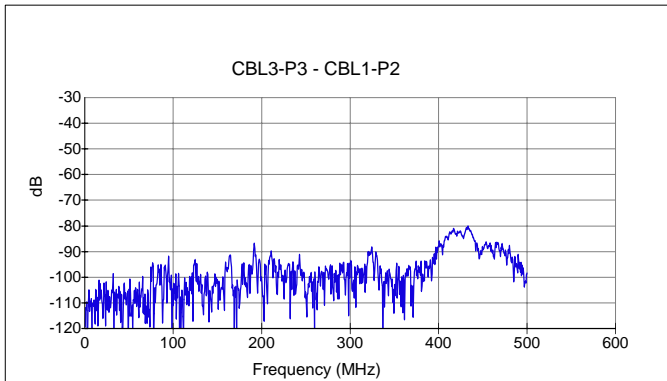
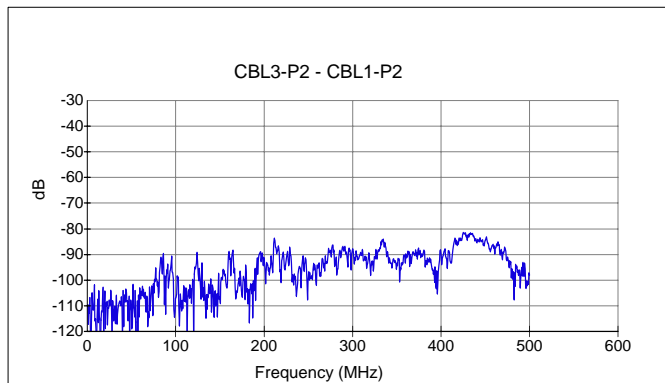
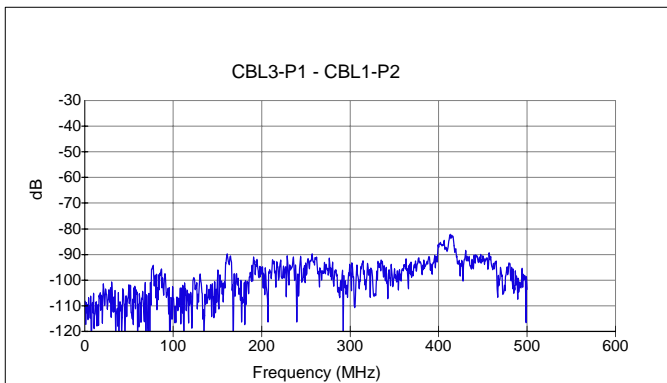
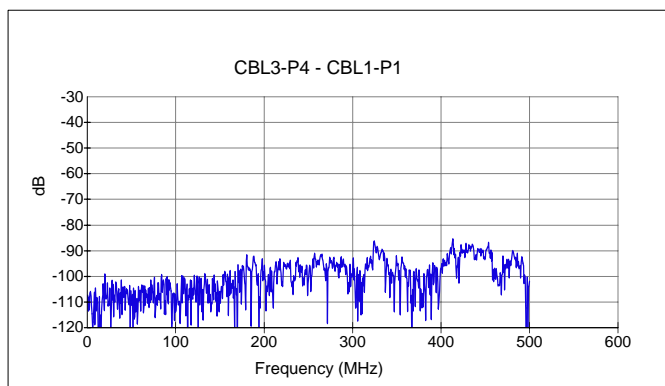
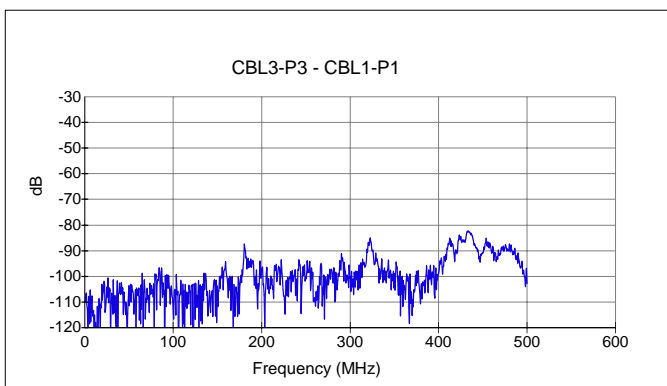
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Near

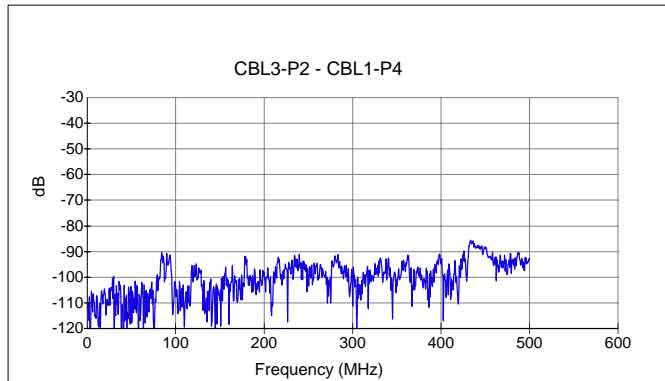
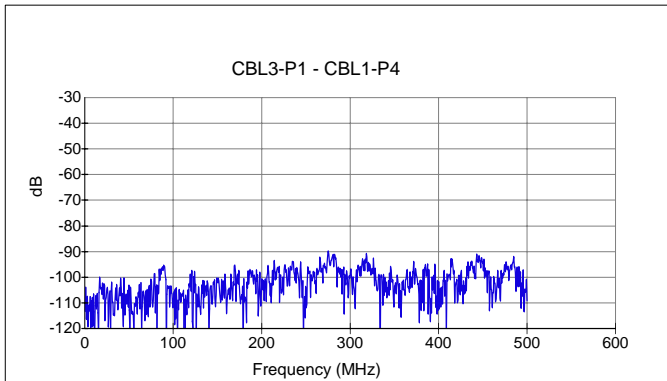
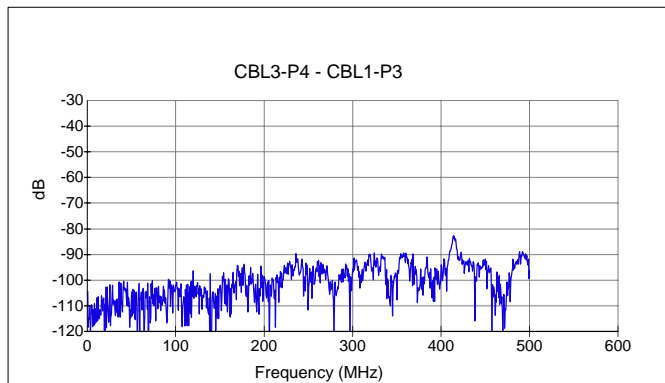
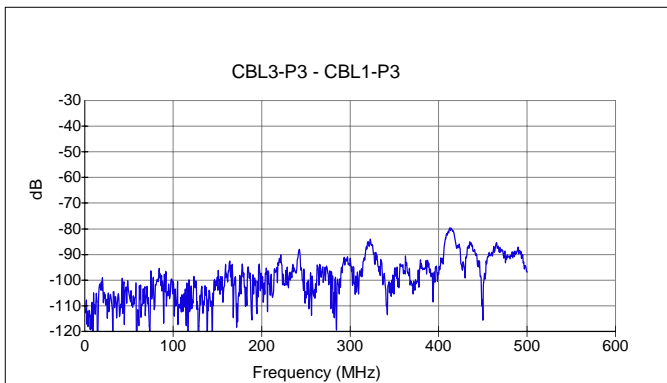
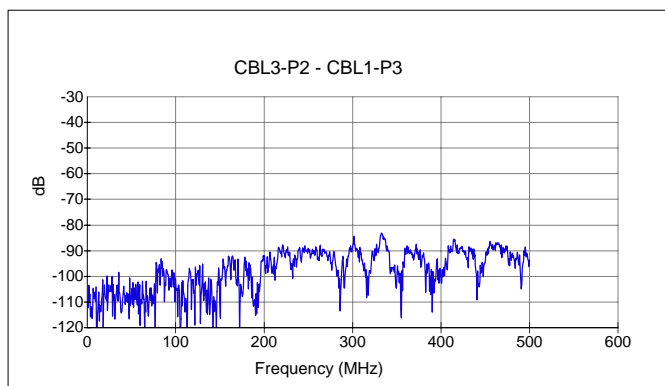
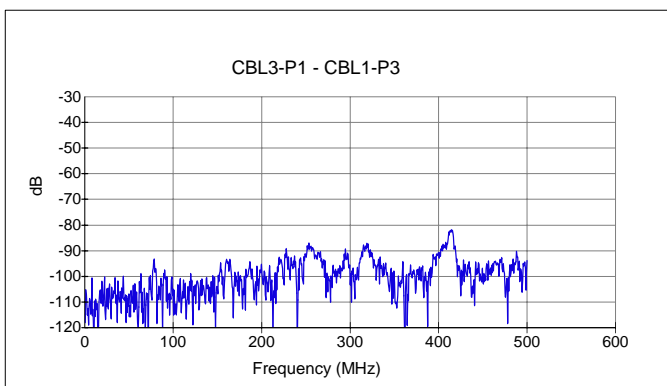
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Near

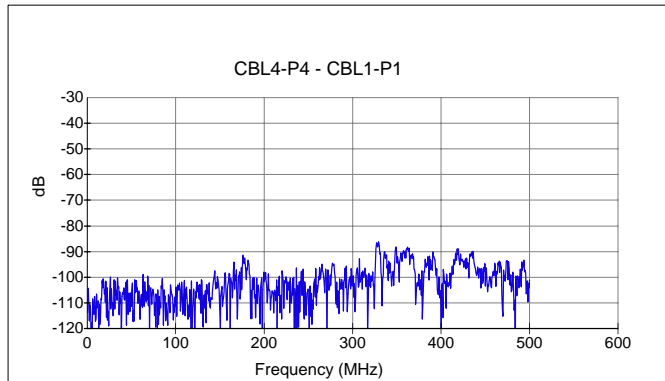
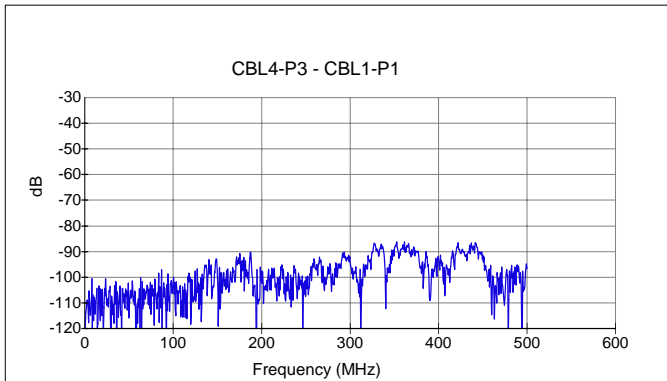
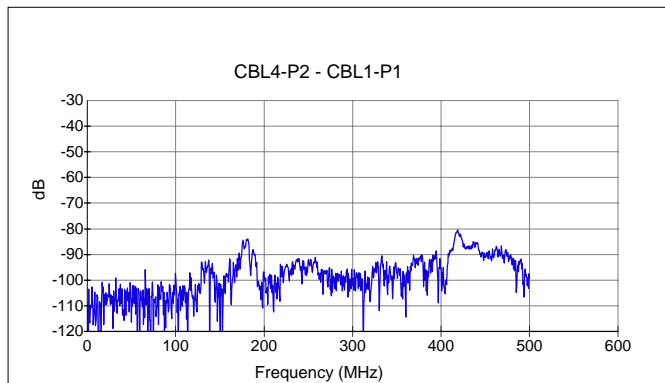
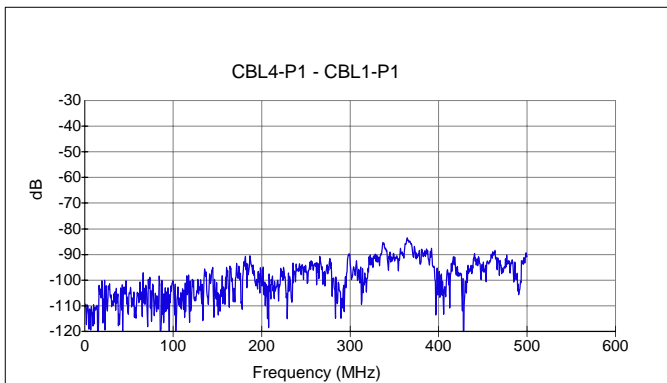
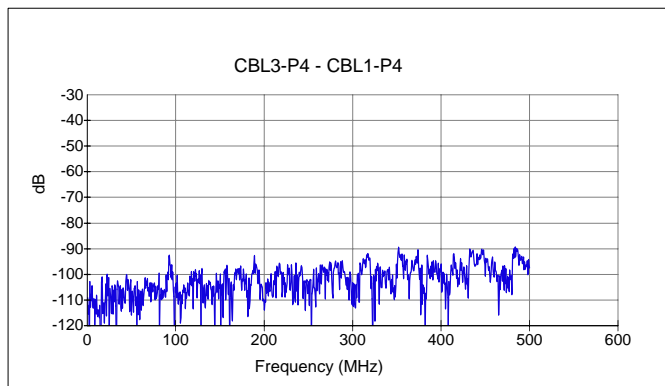
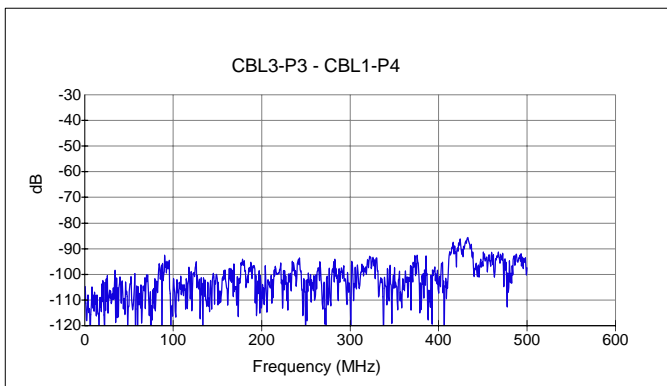
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Near

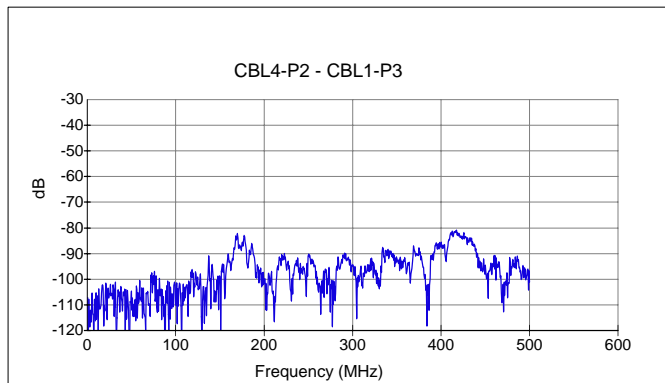
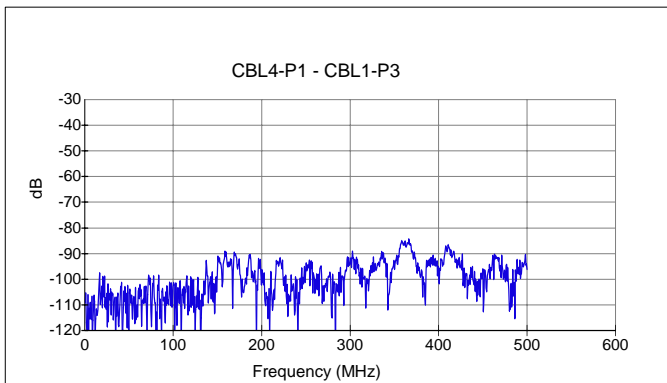
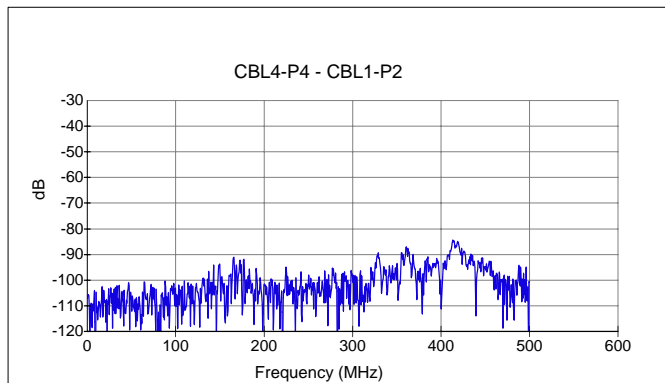
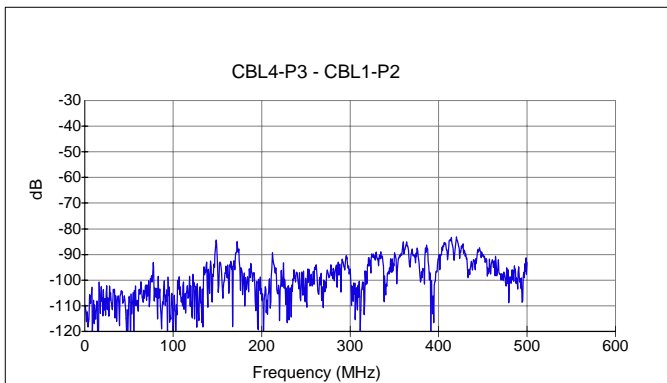
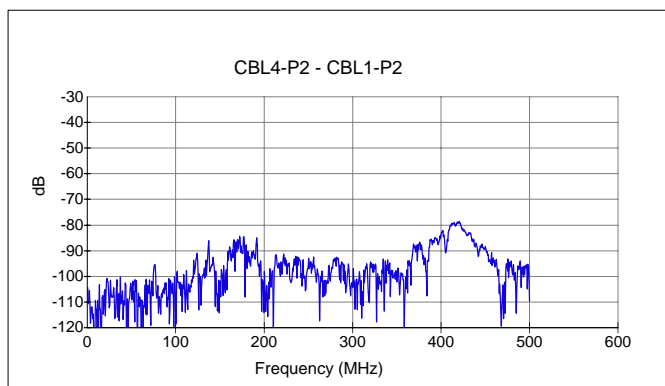
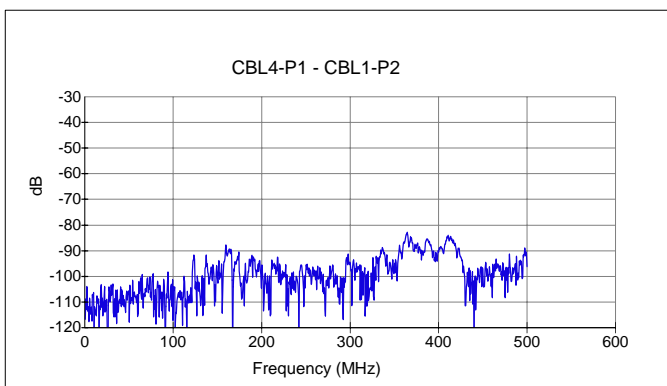
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Near

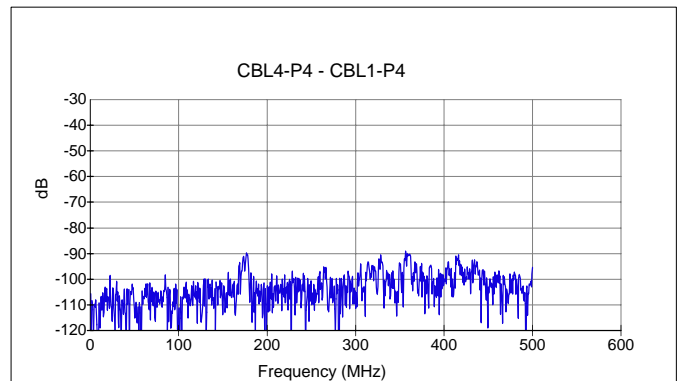
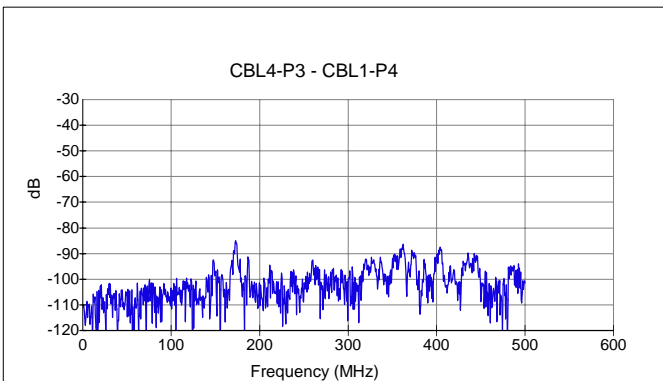
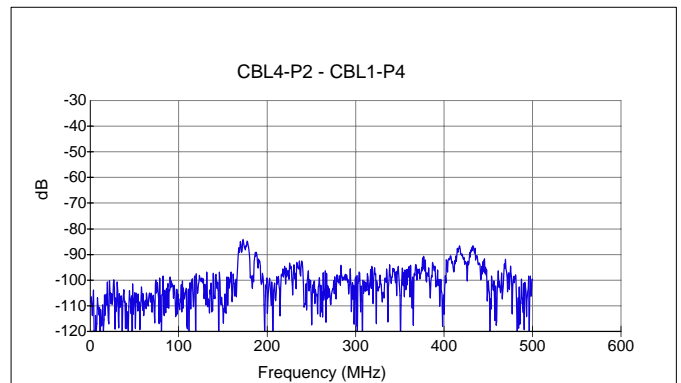
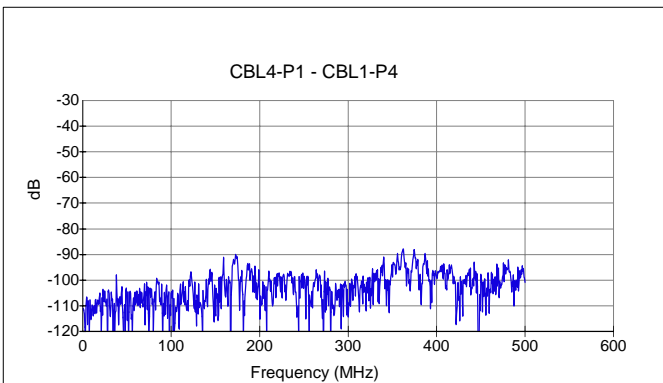
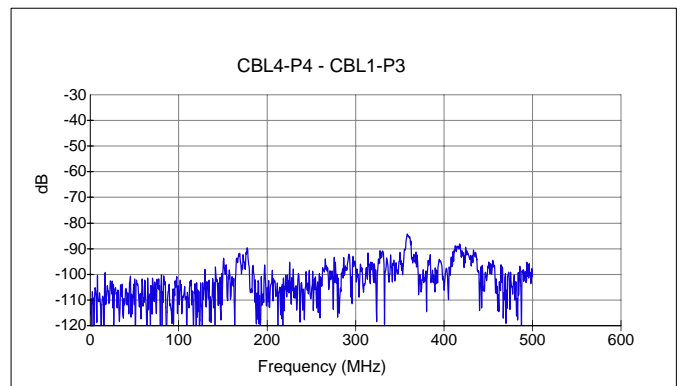
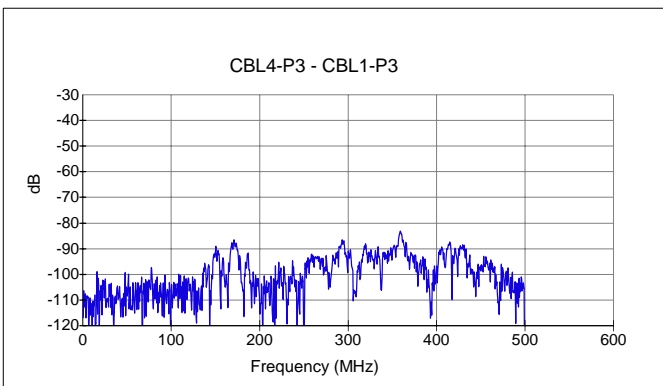
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<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Near

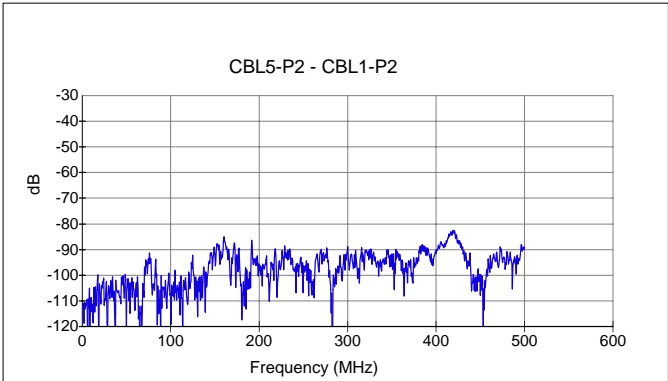
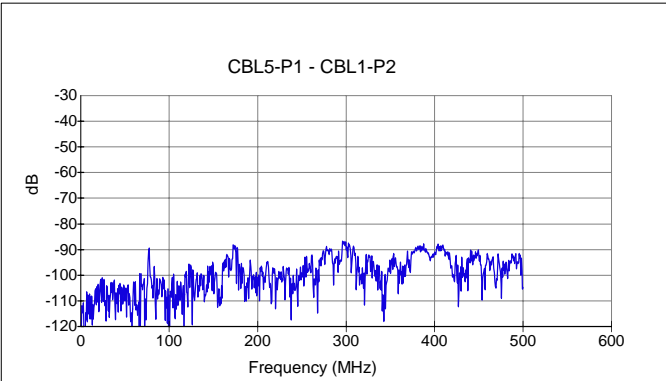
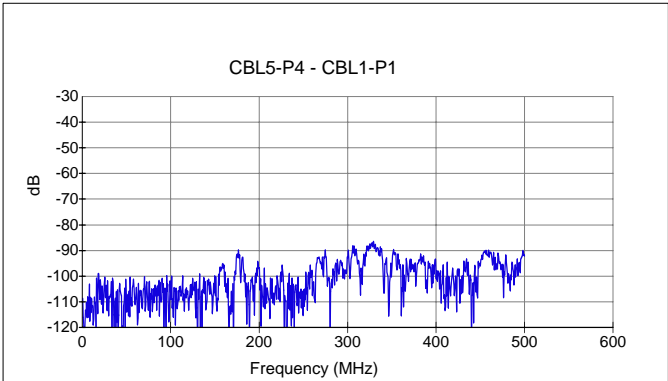
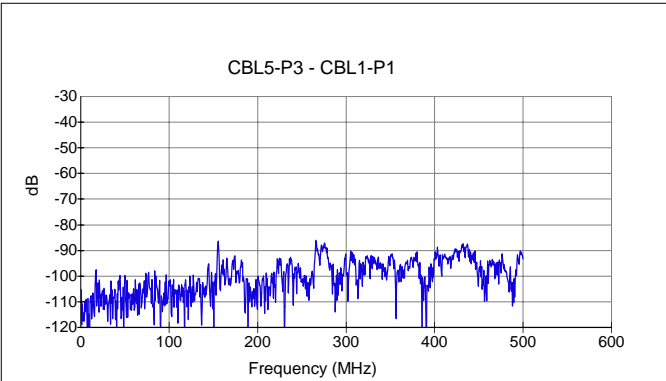
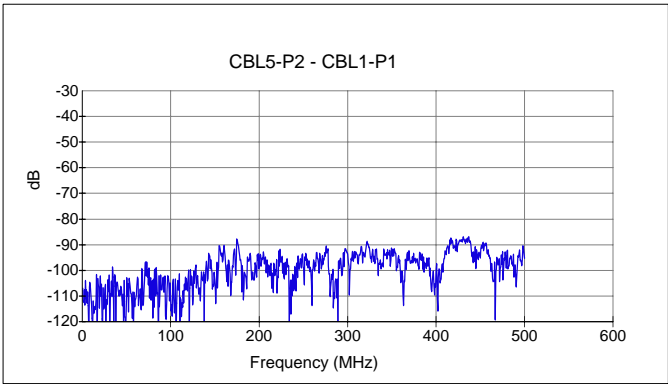
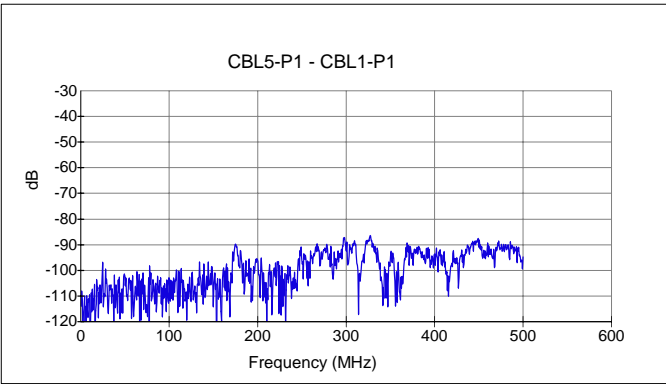
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





ANEXT Near

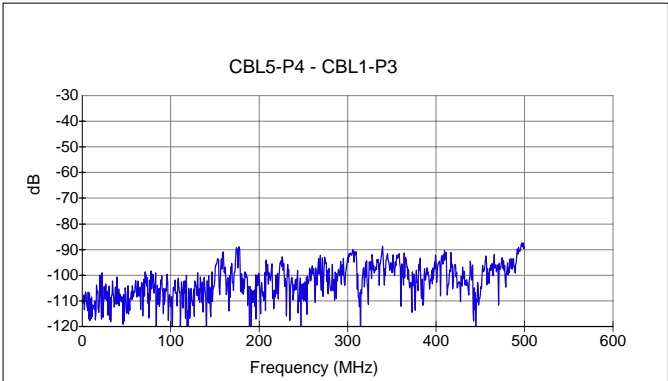
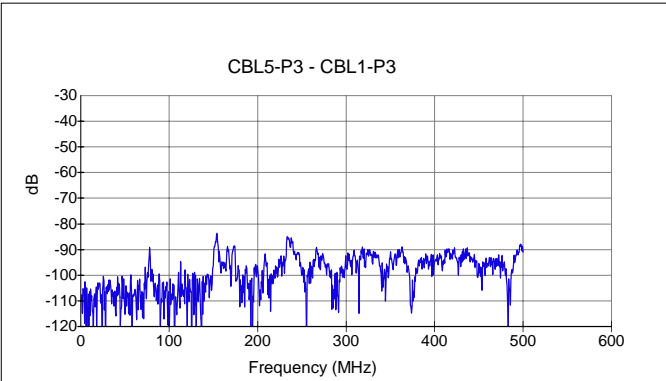
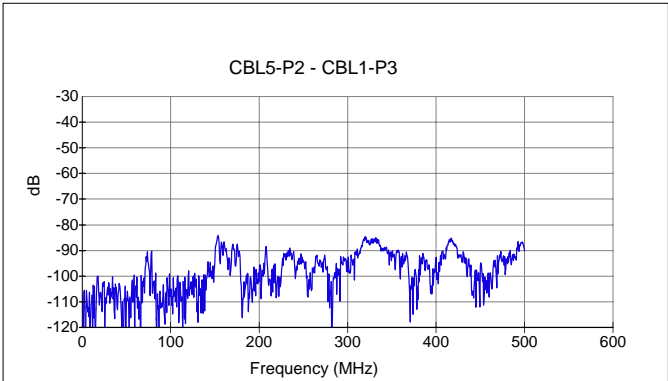
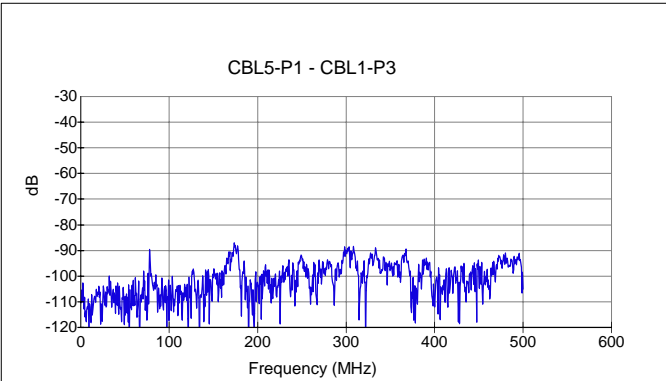
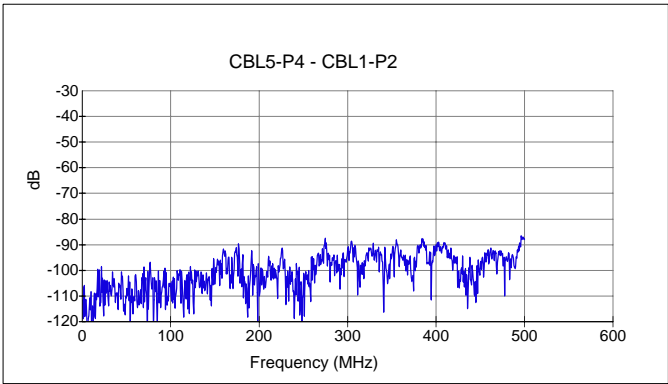
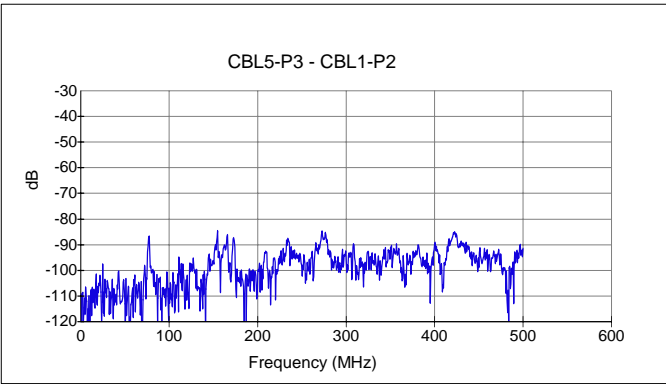
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





ANEXT Near

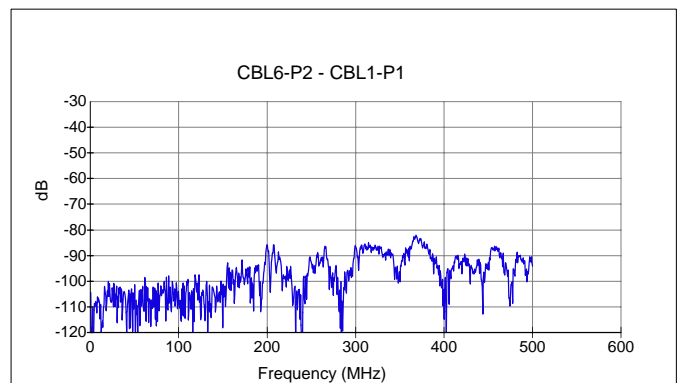
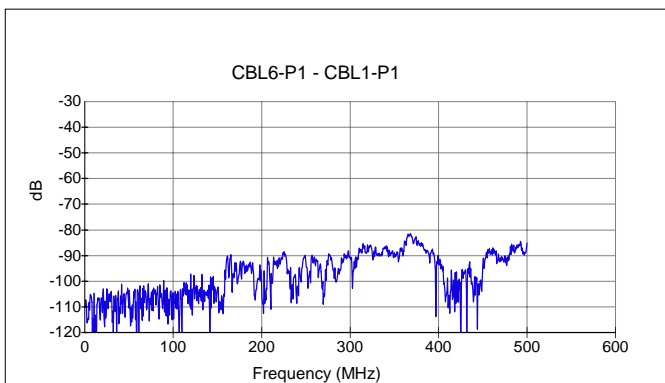
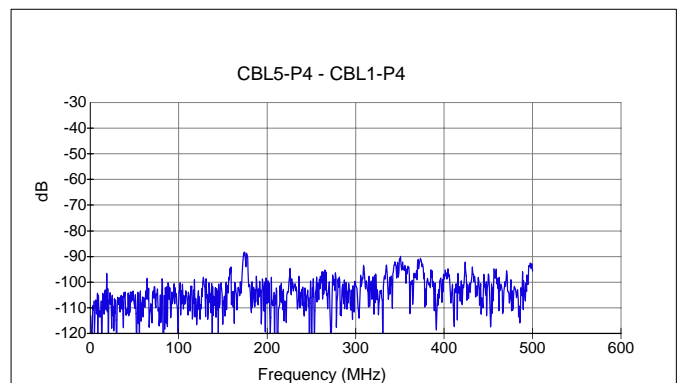
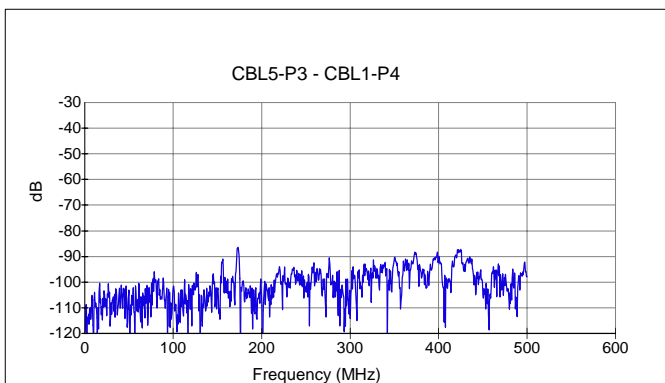
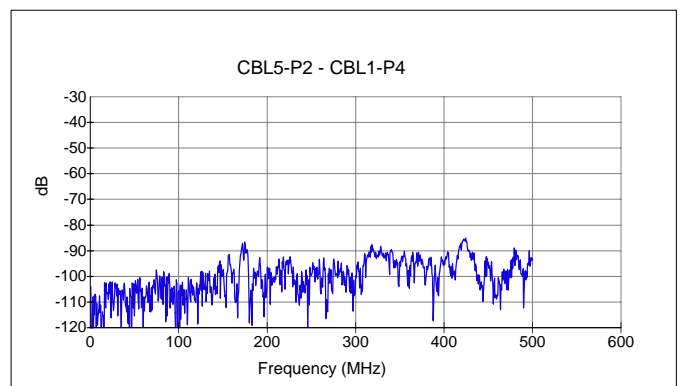
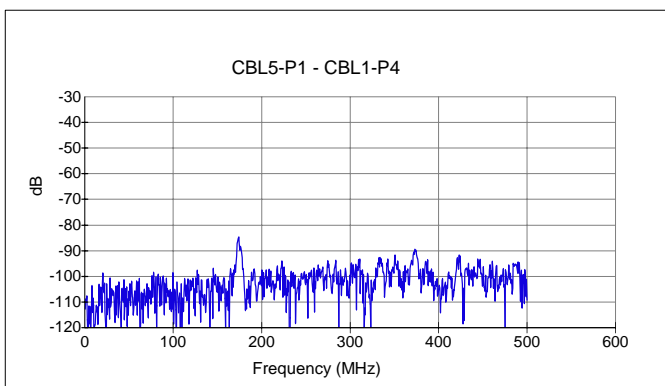
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





## ANEXT Near

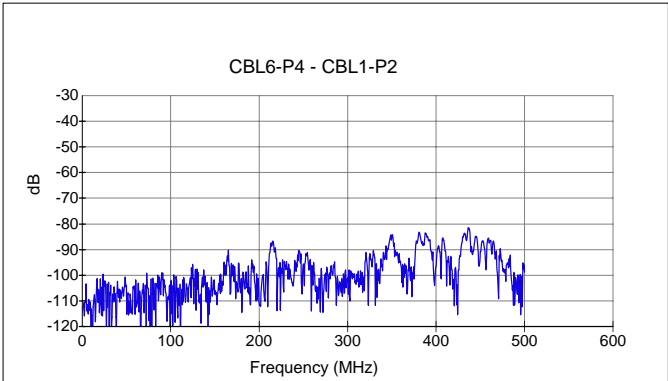
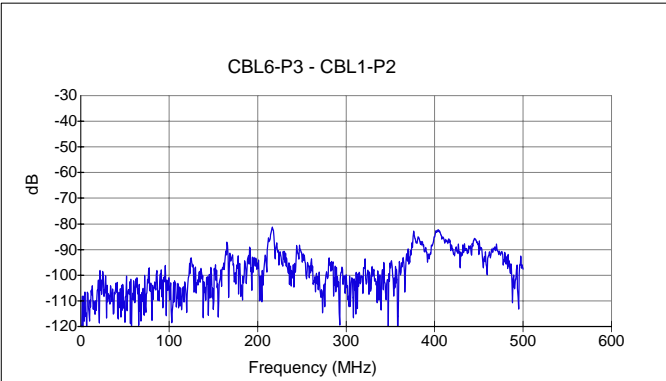
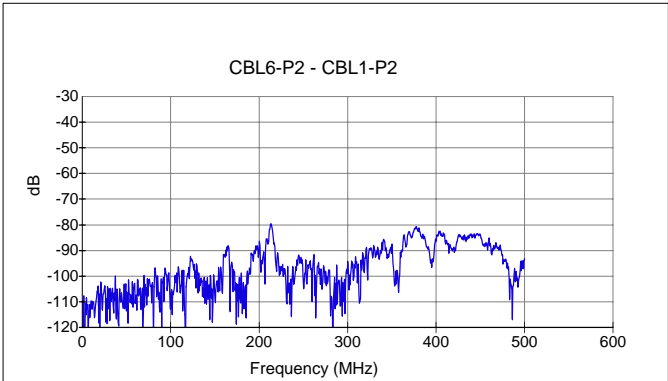
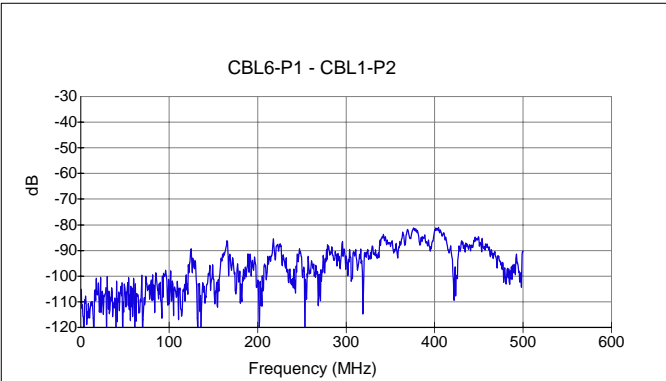
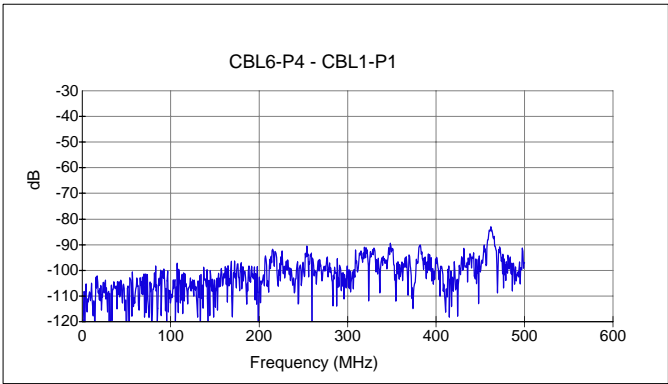
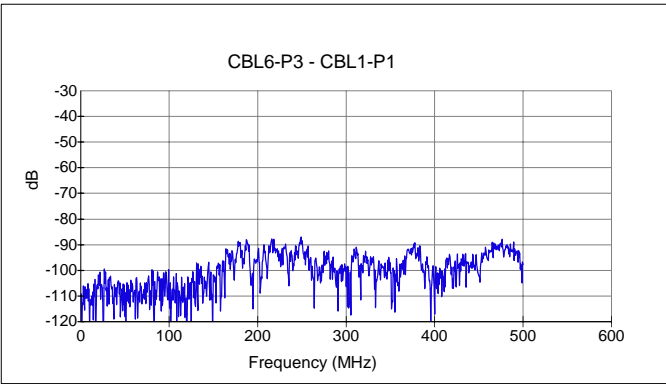
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





ANEXT Near

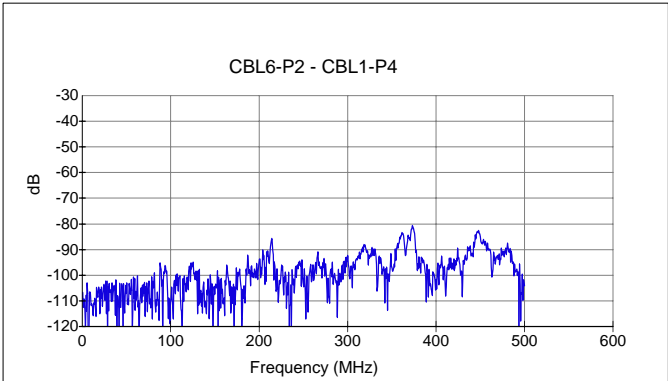
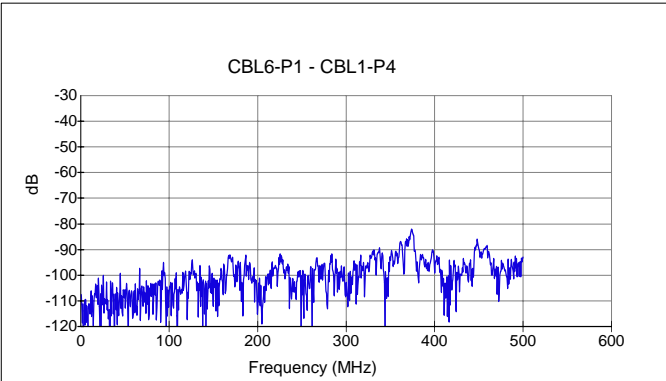
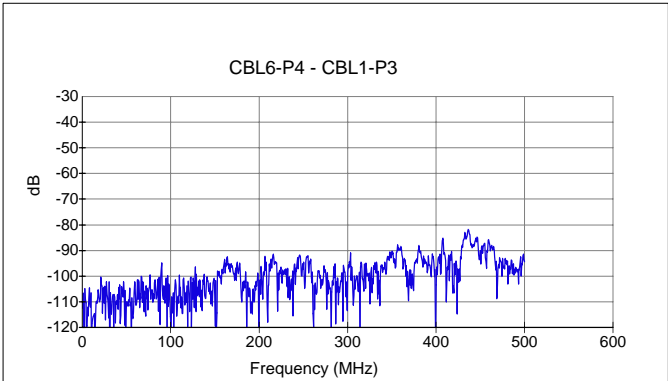
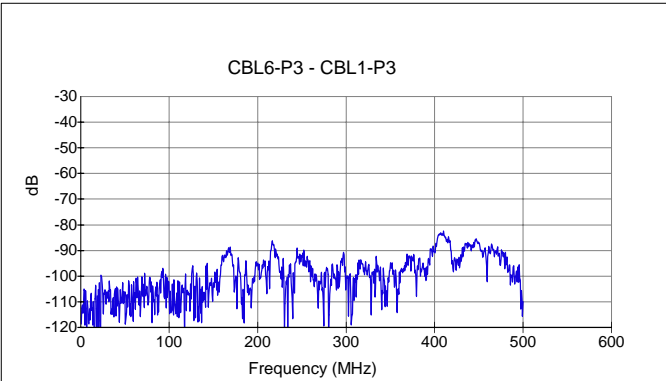
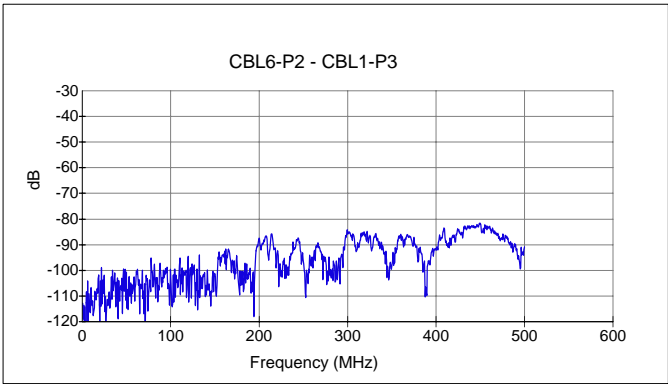
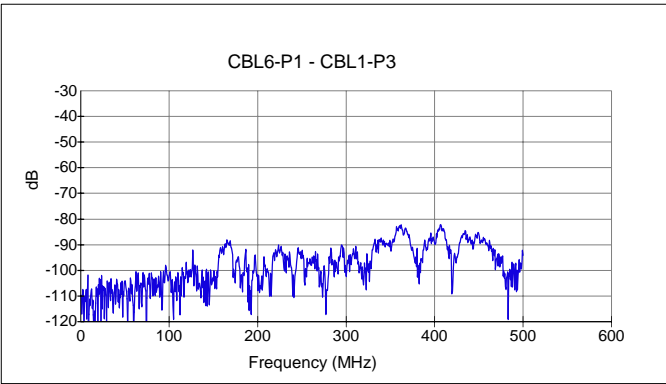
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





ANEXT Near

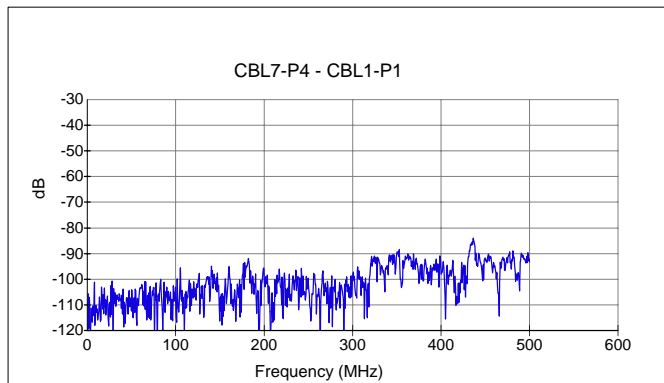
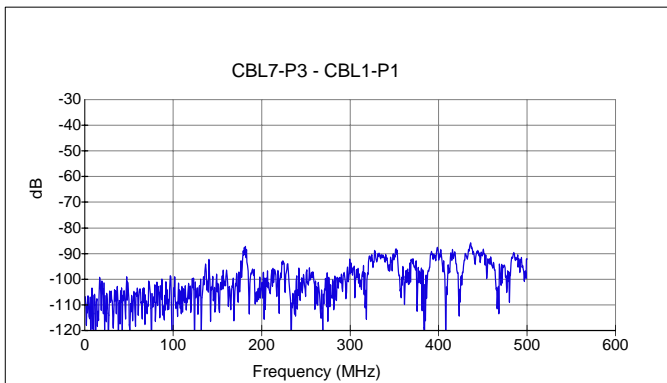
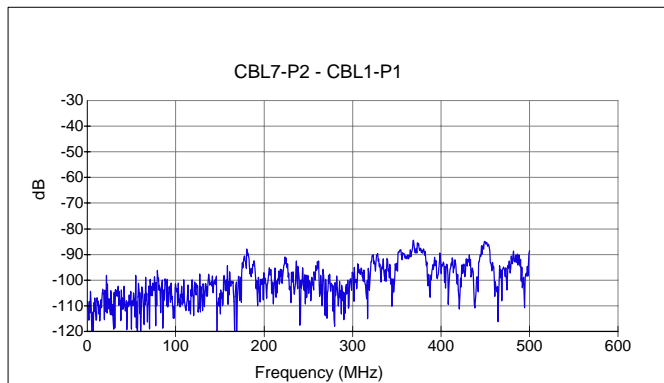
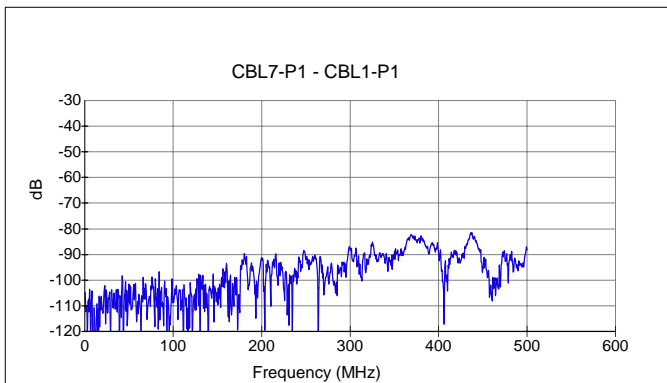
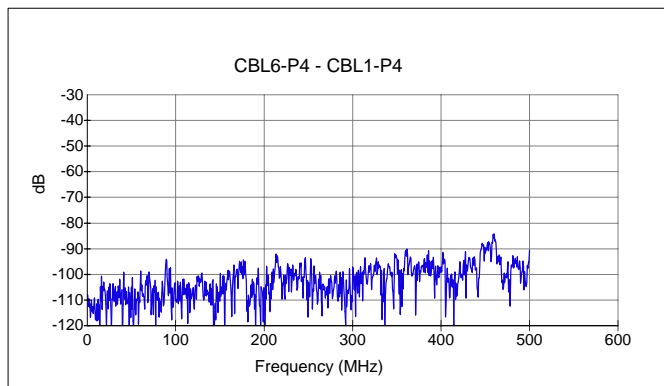
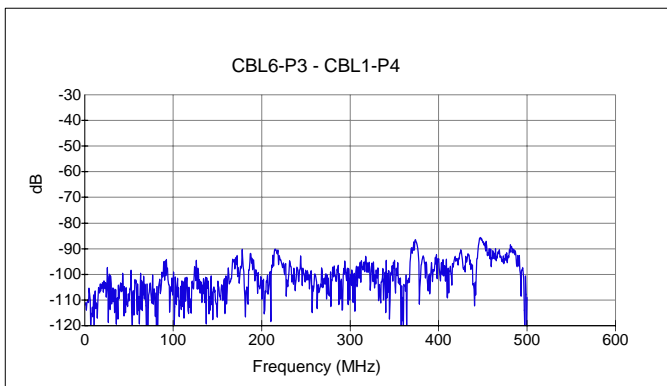
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Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





## ANEXT Near

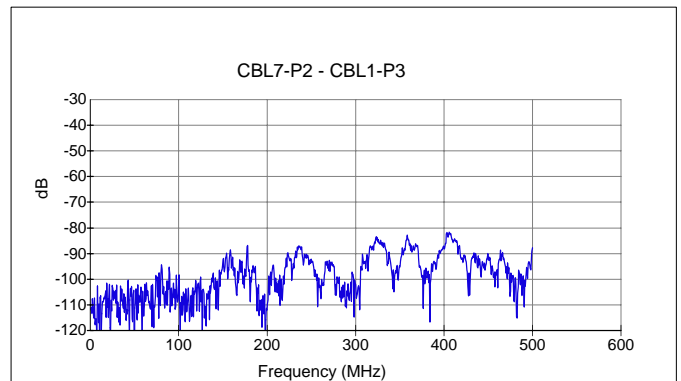
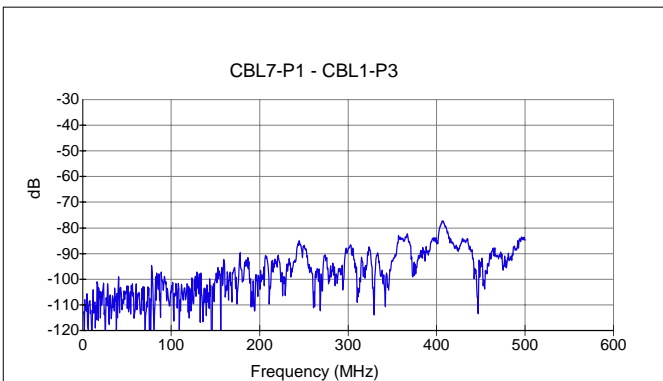
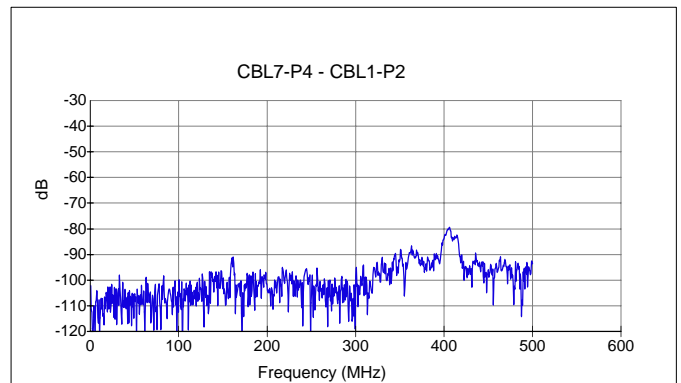
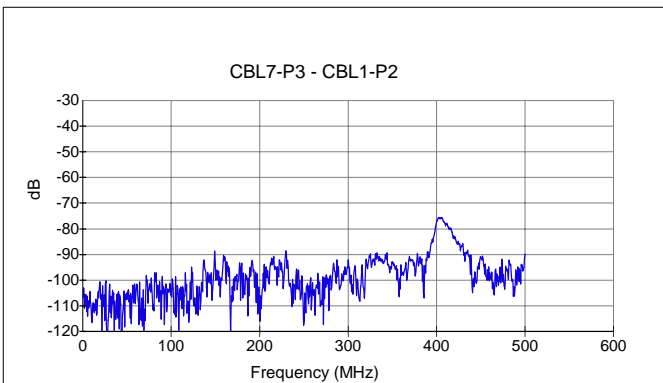
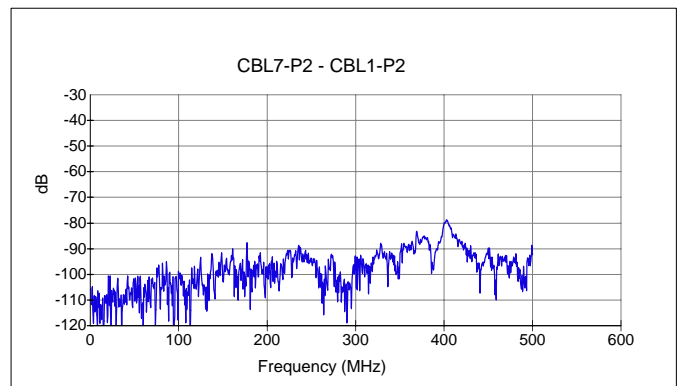
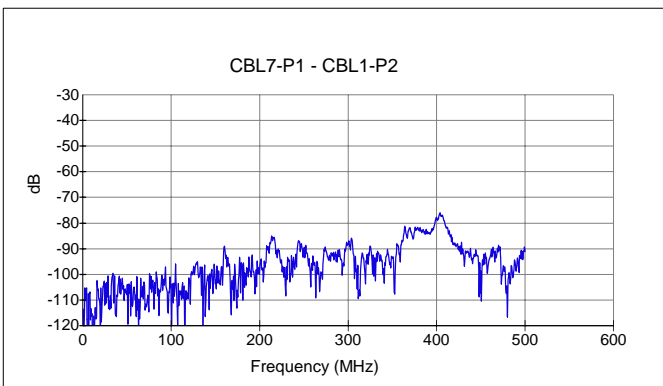
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Near

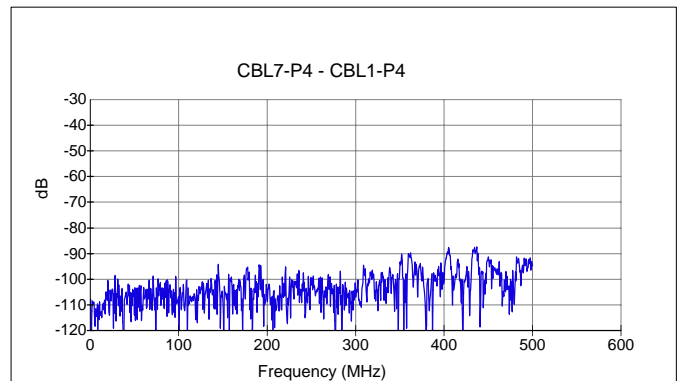
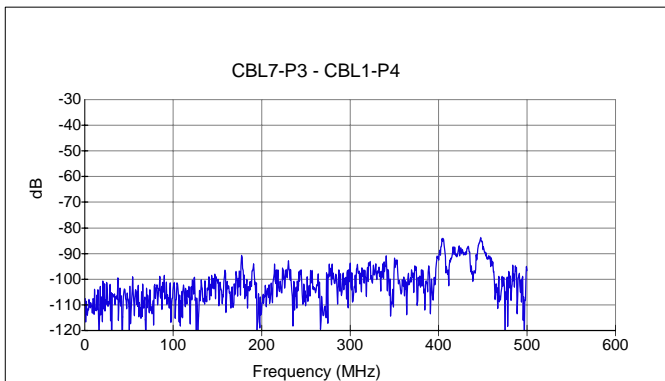
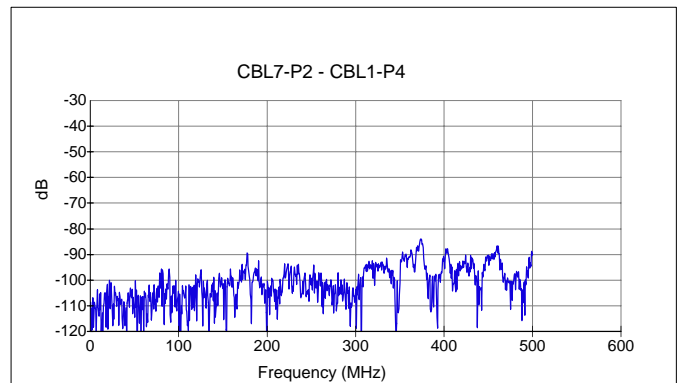
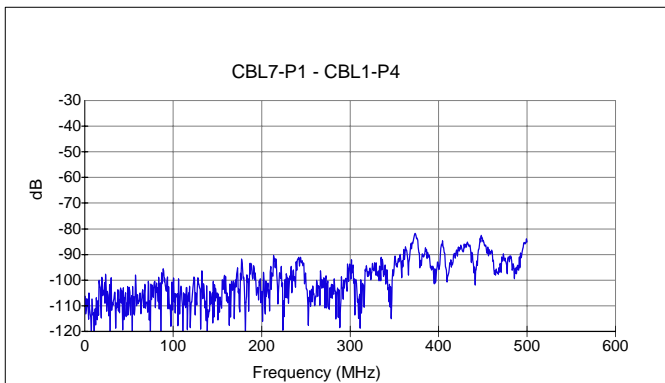
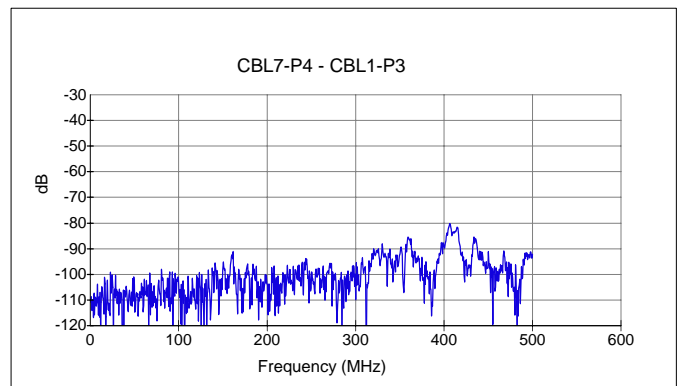
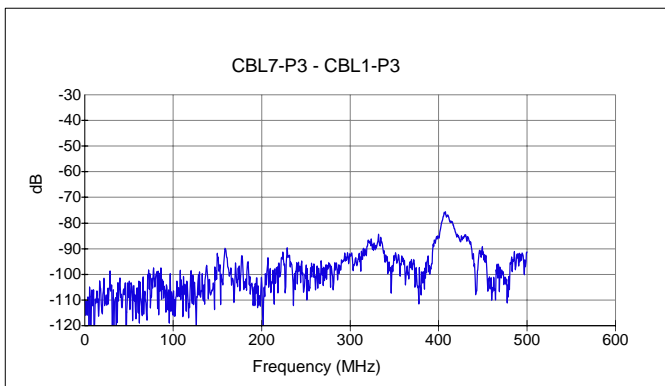
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Near

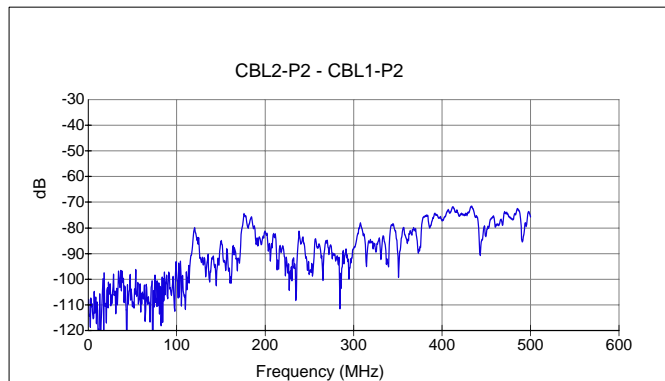
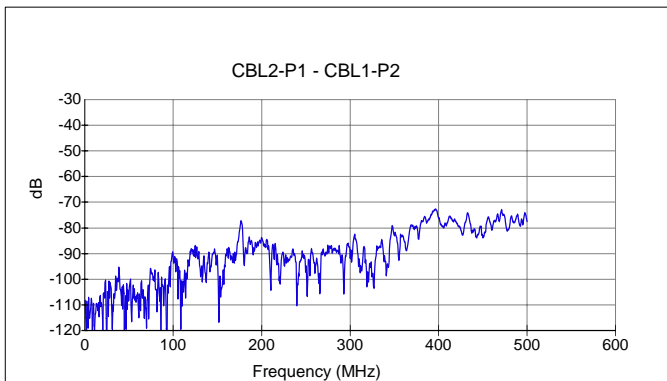
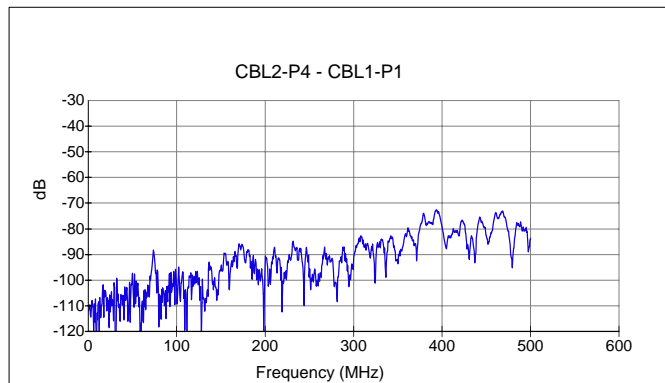
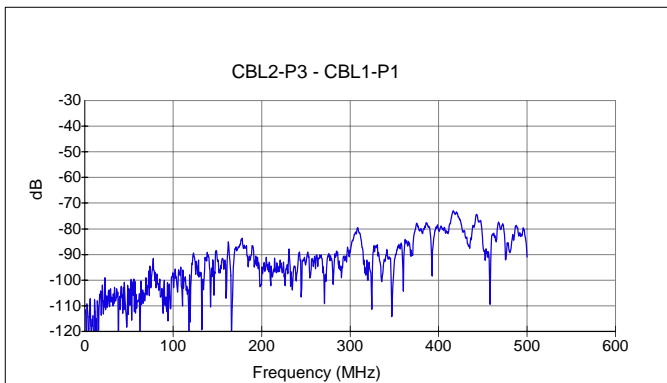
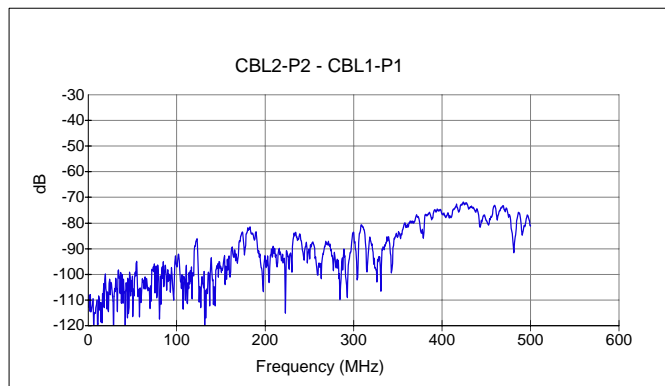
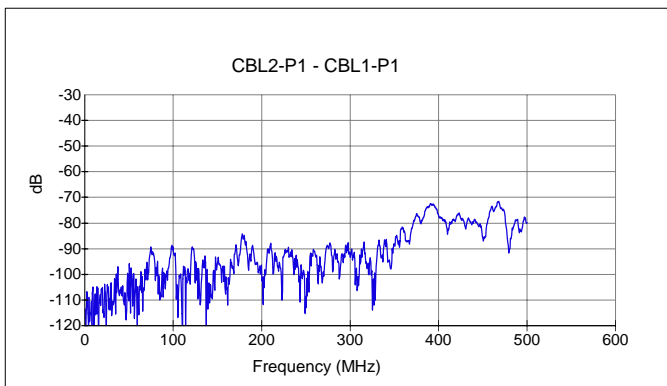
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

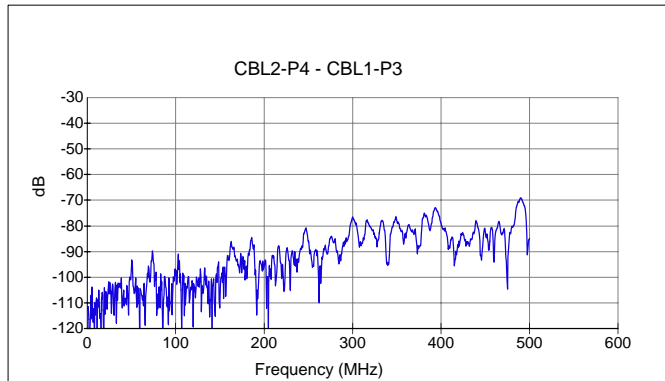
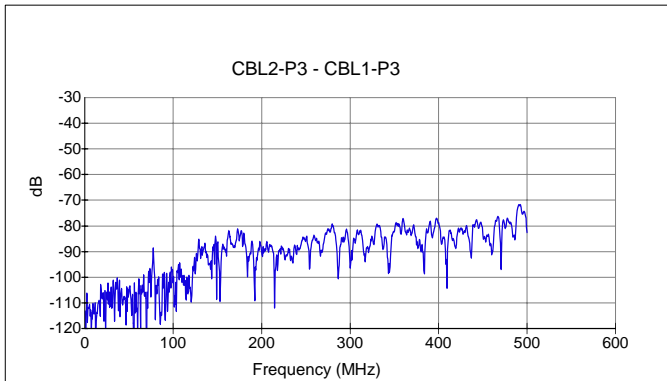
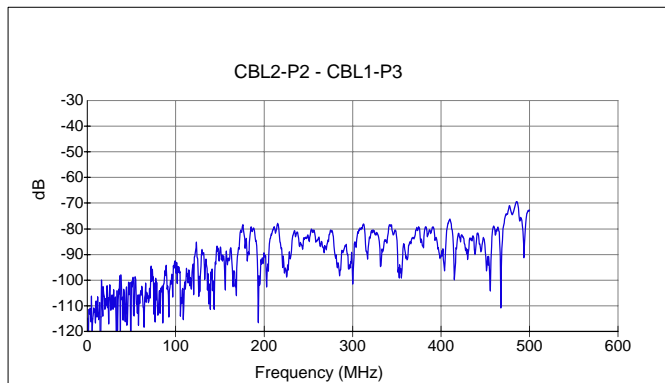
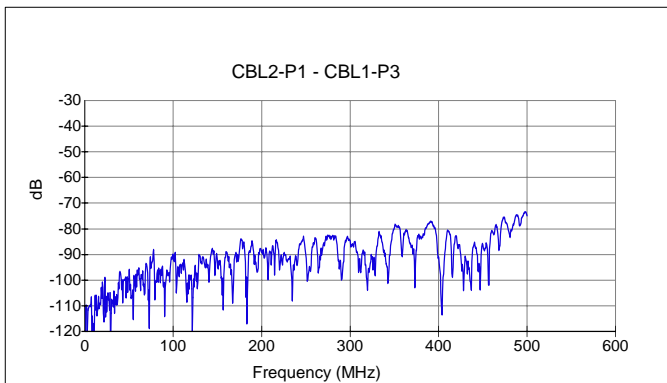
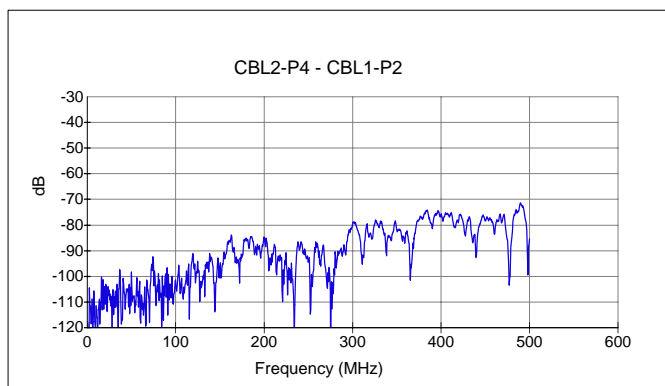
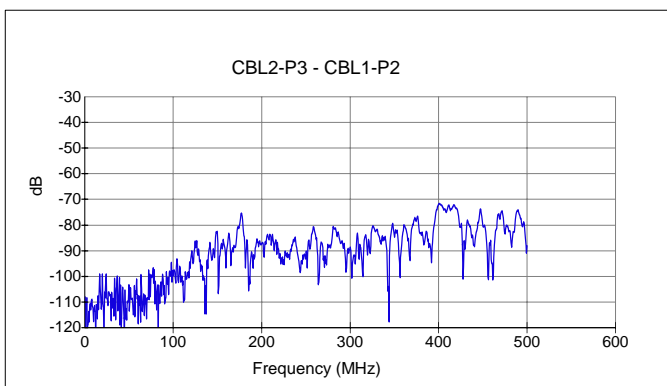
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
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<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

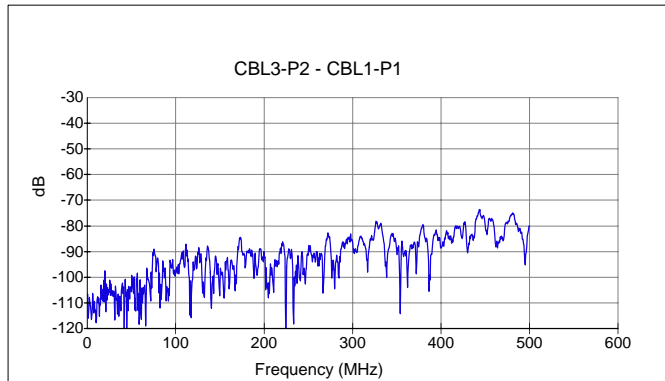
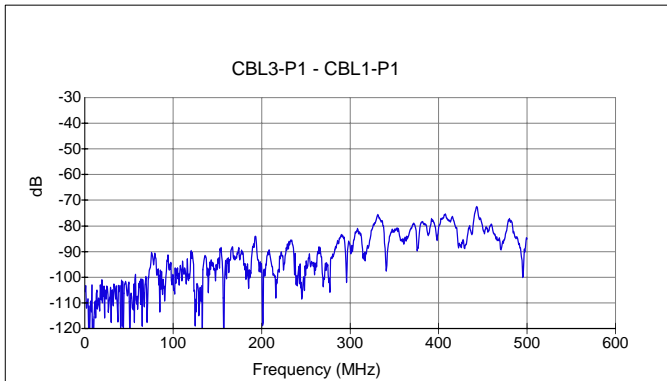
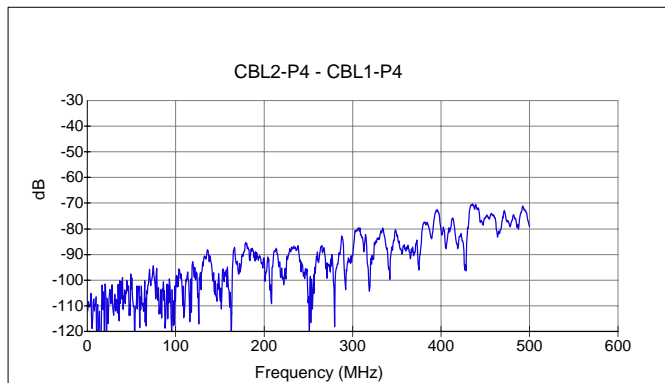
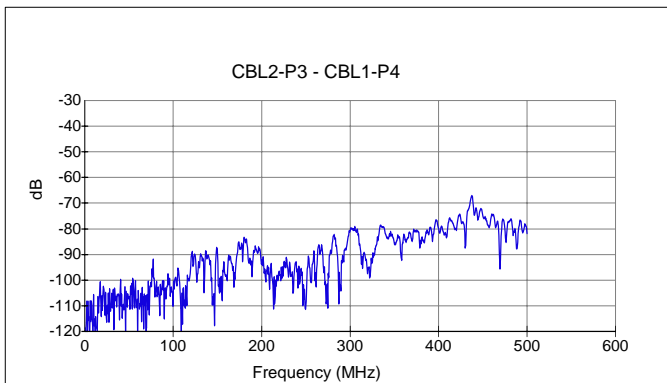
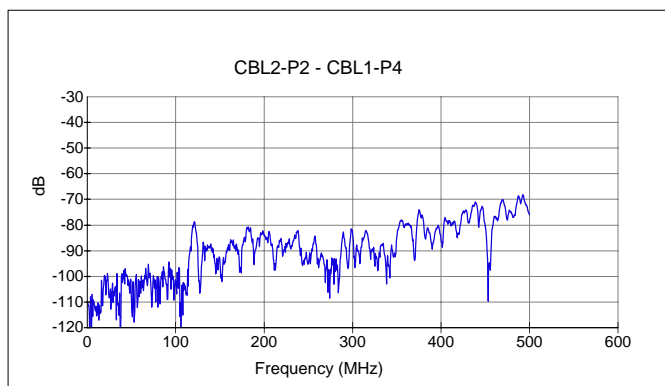
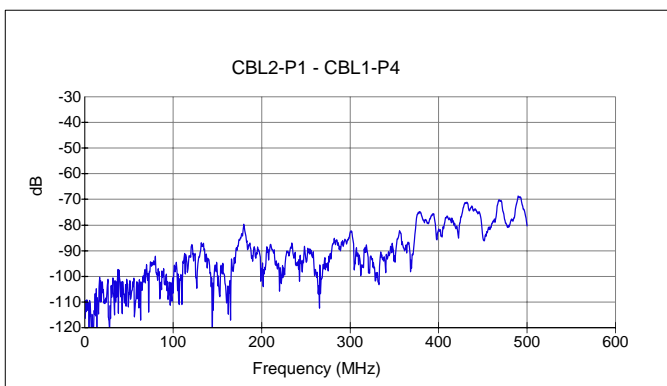
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

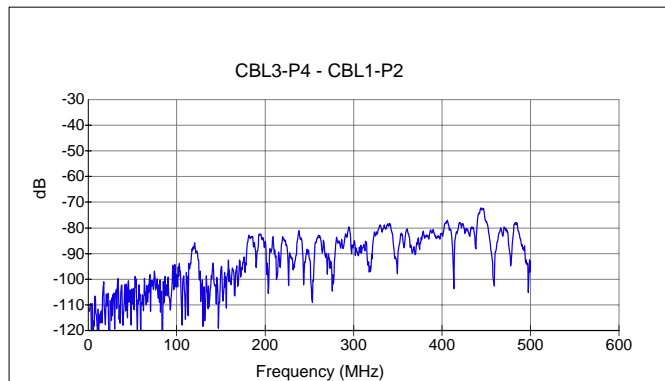
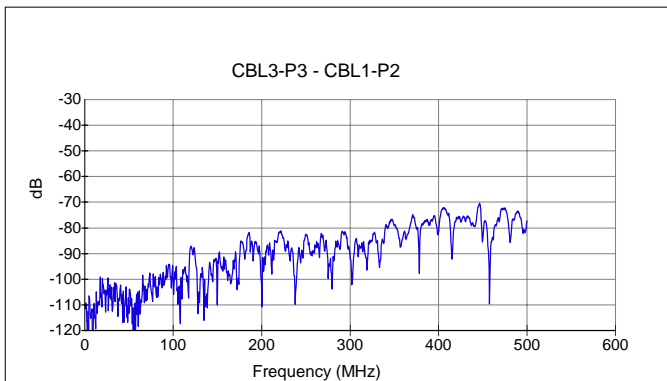
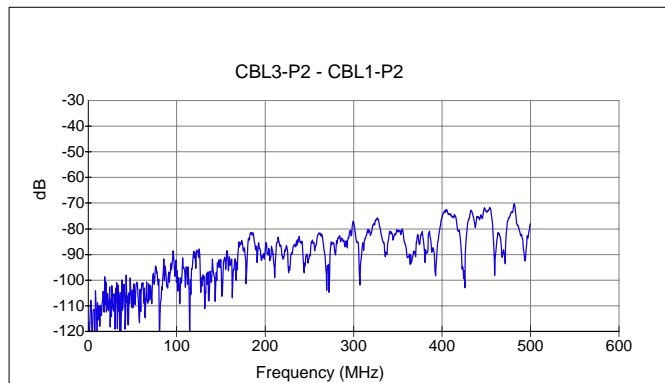
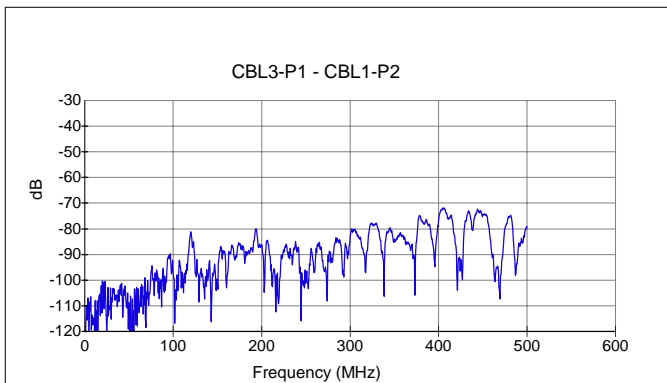
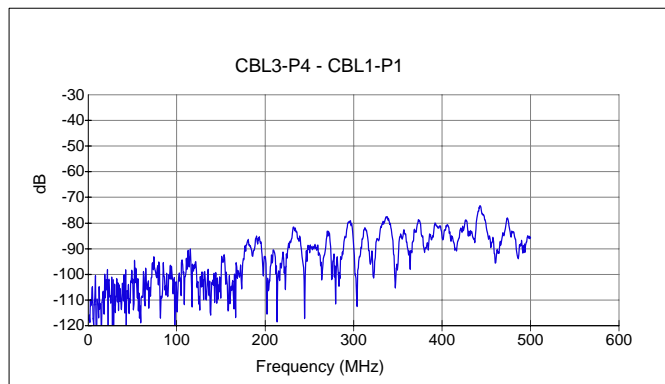
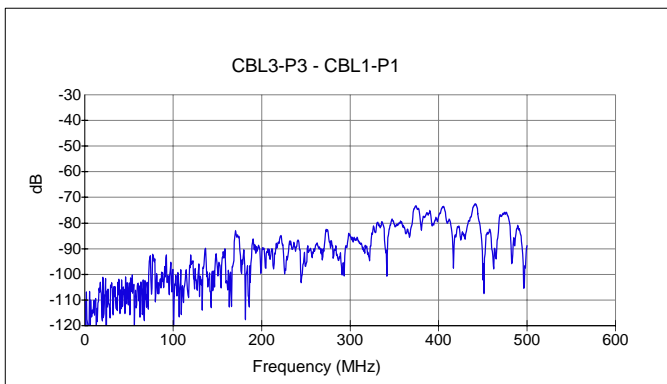
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

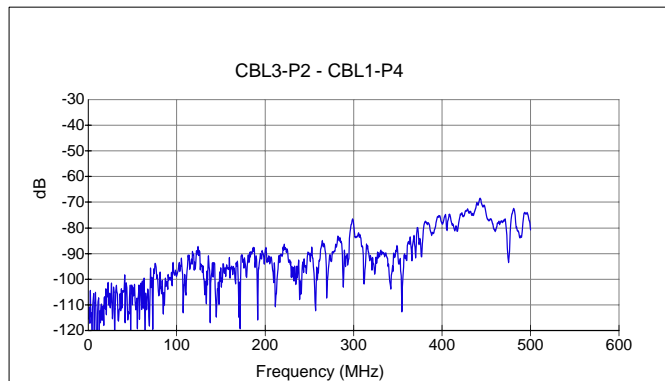
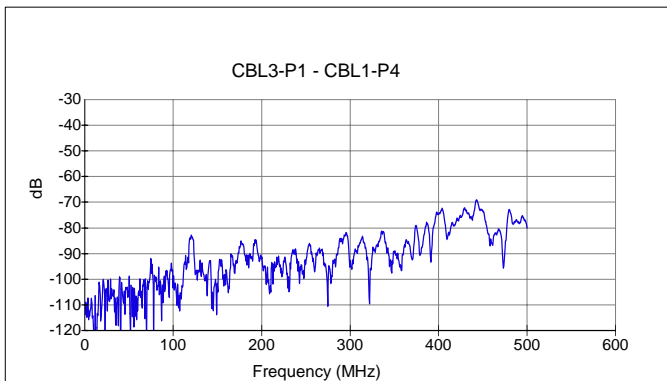
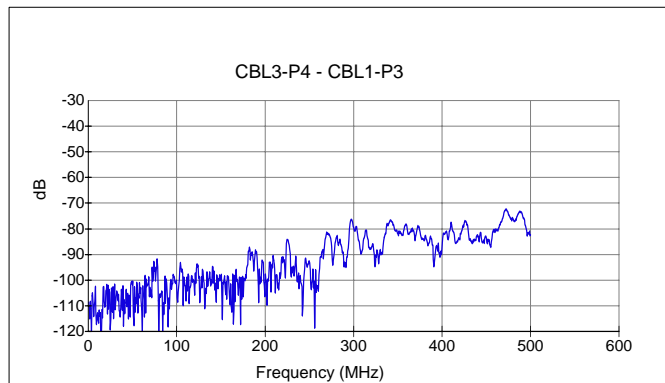
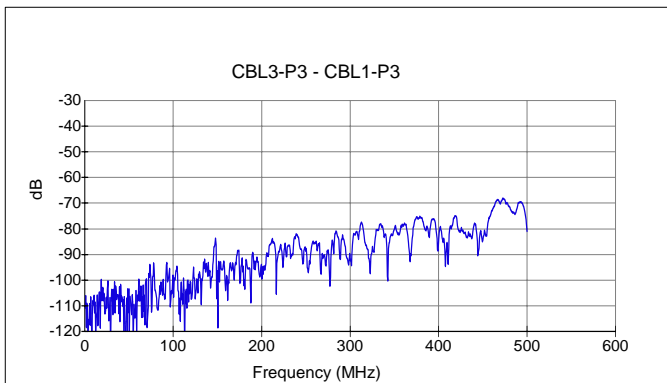
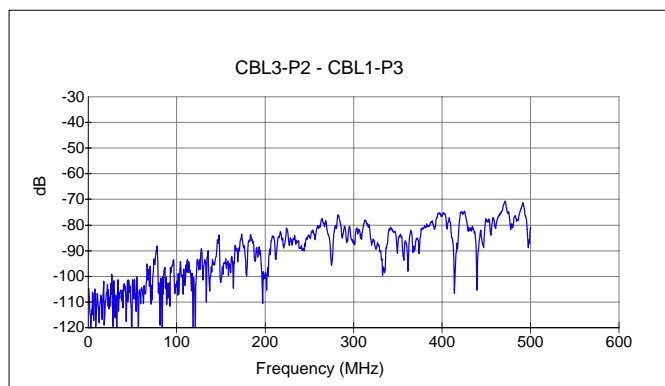
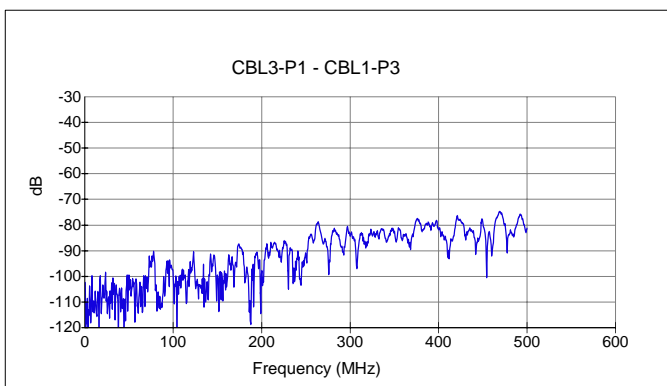
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

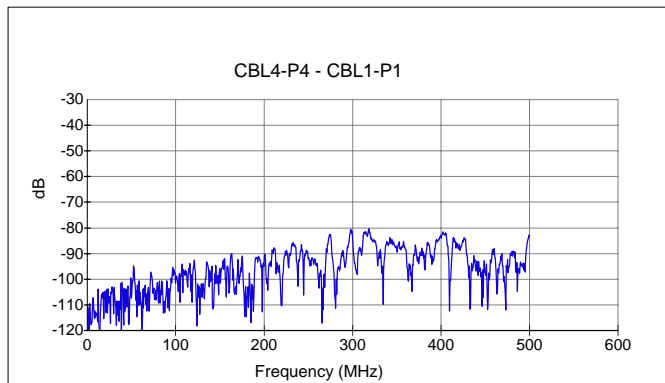
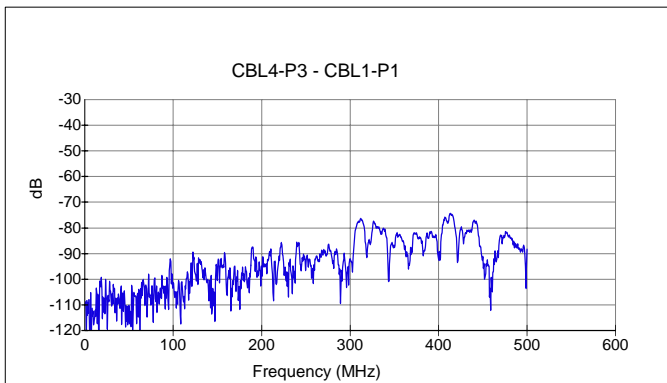
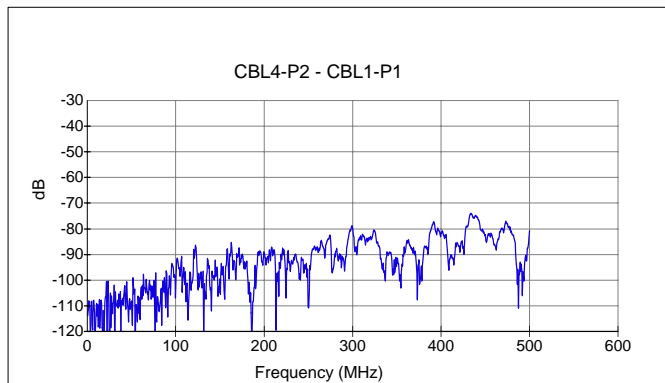
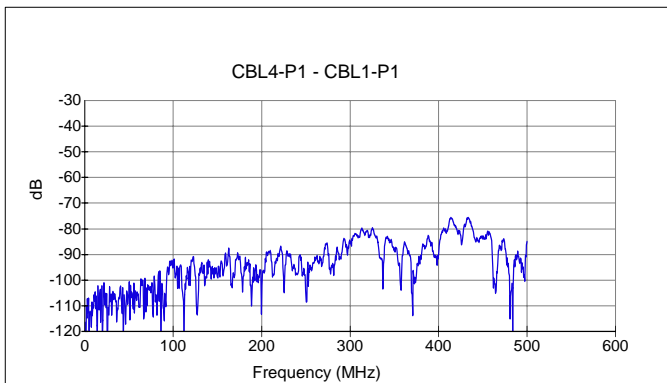
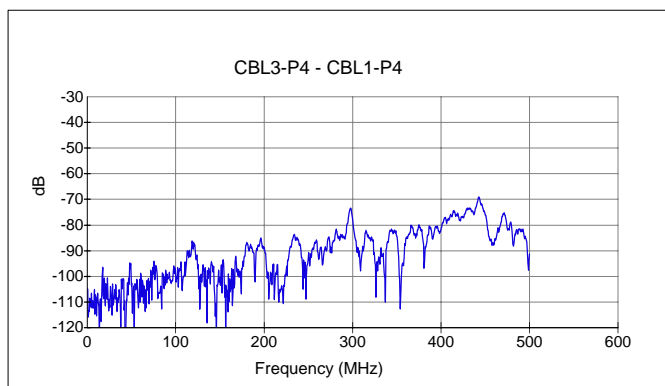
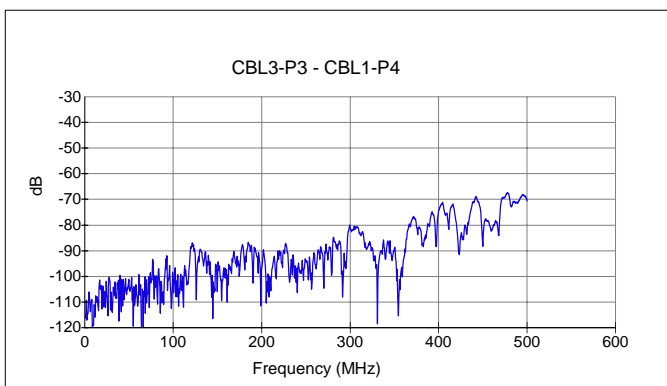
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

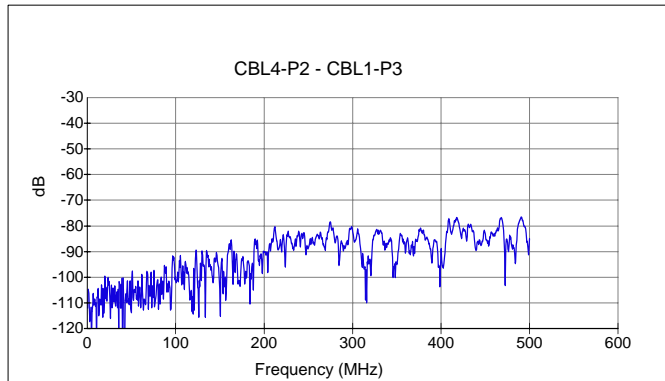
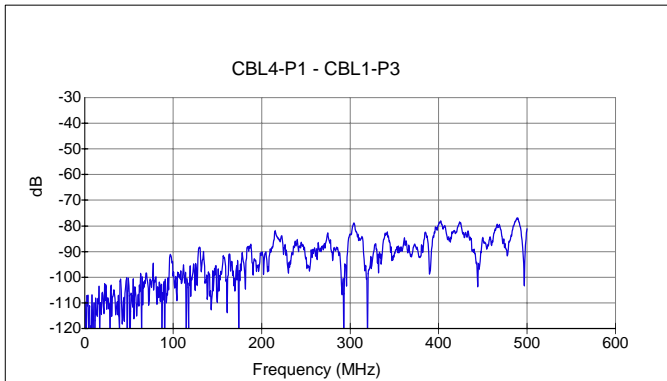
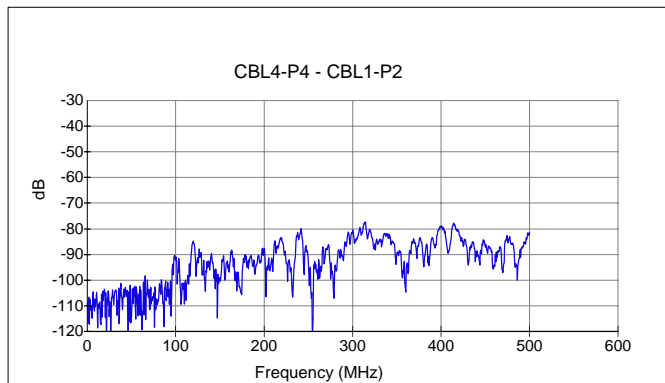
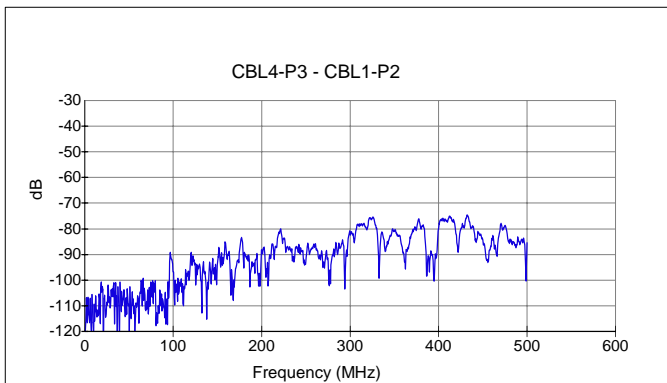
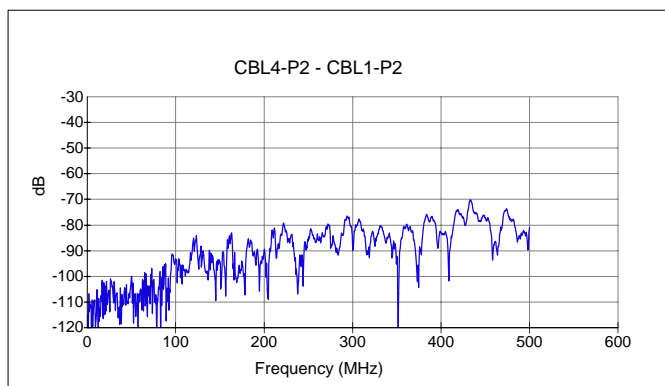
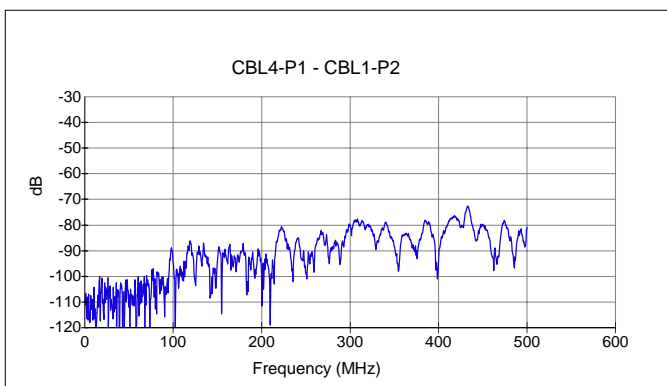
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

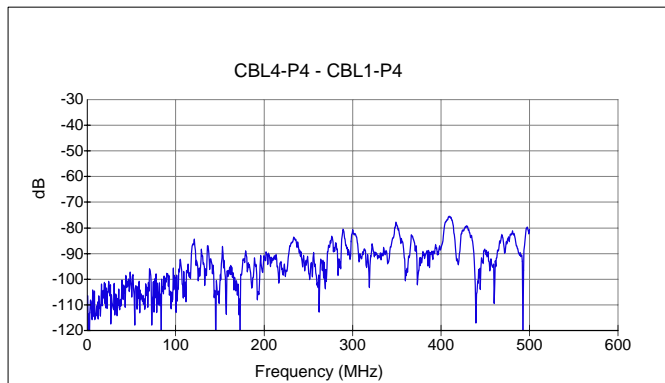
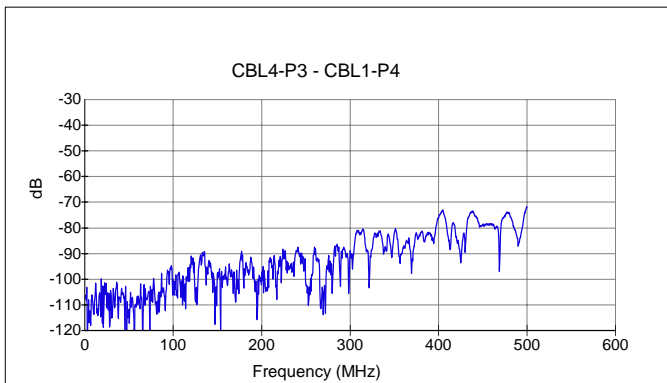
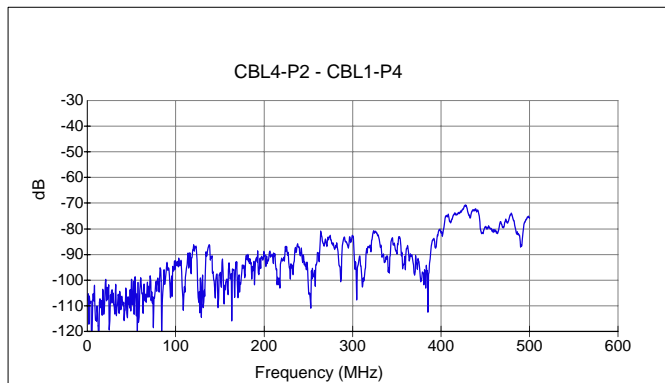
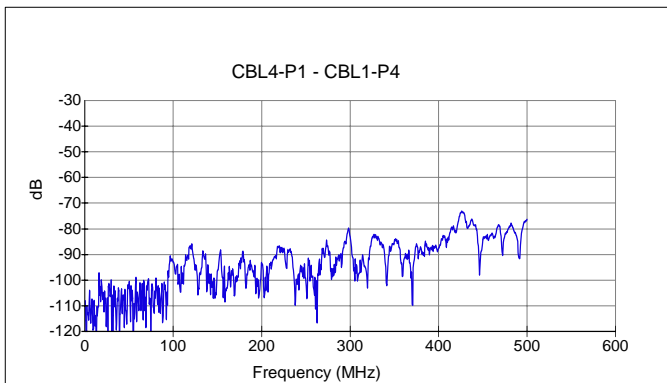
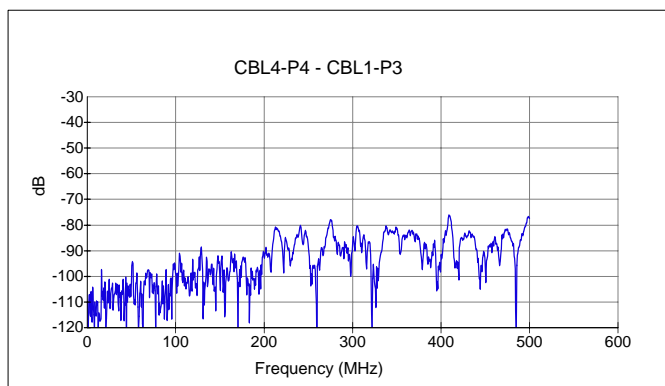
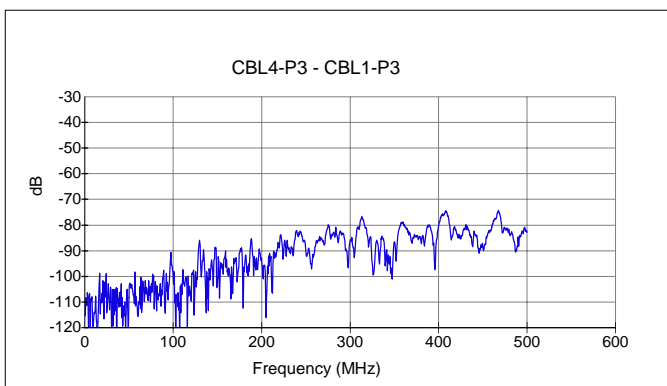
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

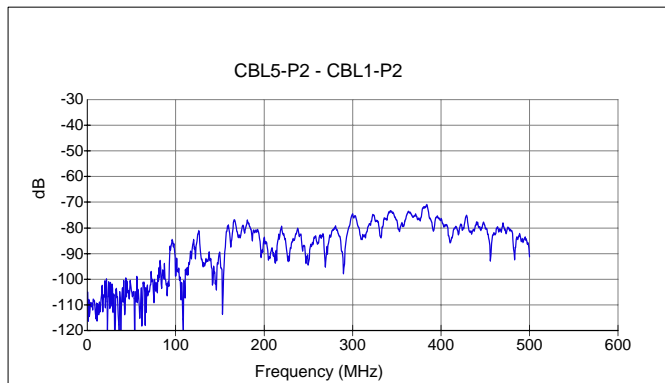
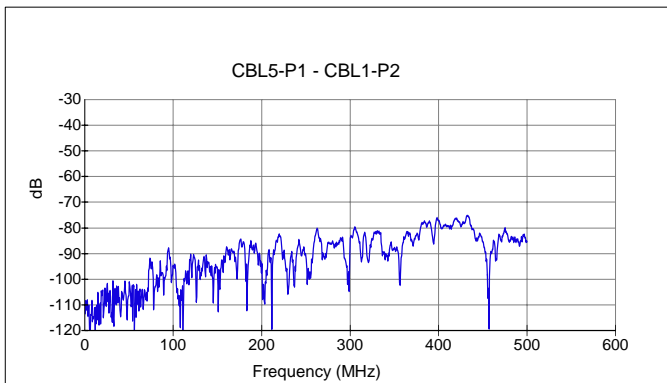
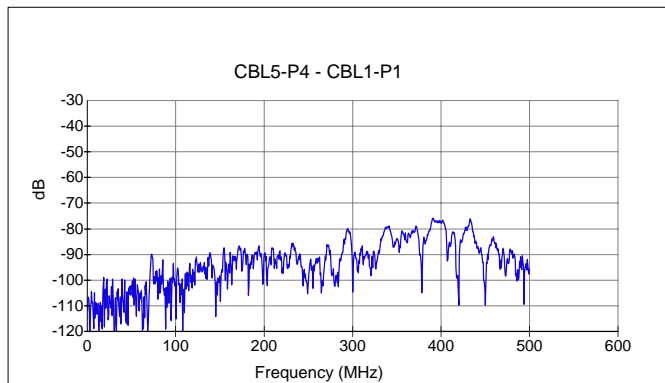
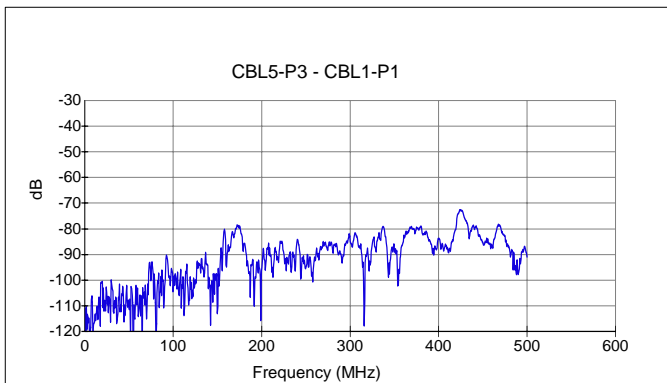
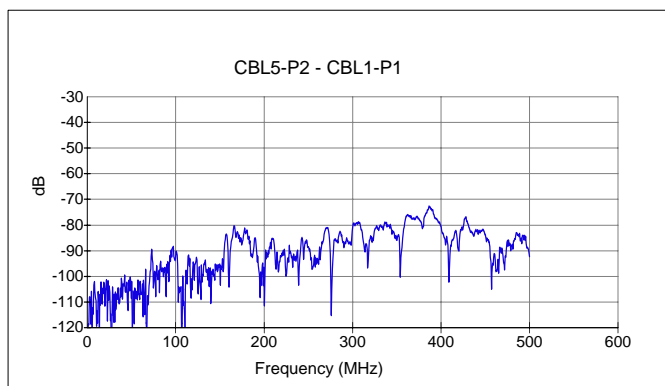
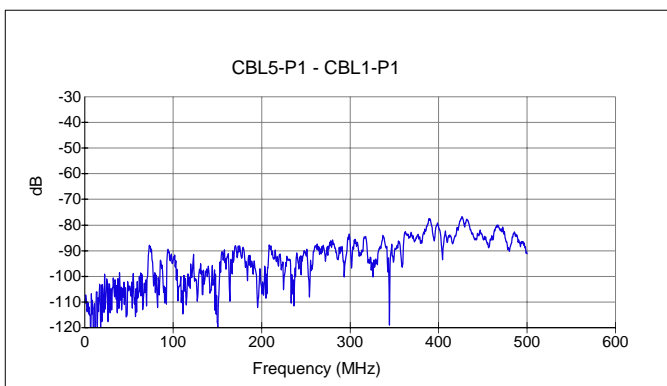
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

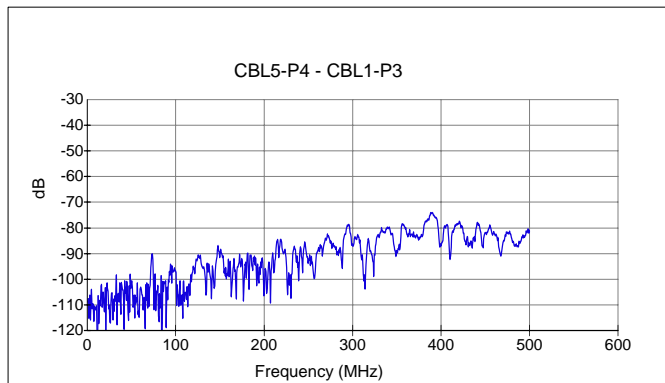
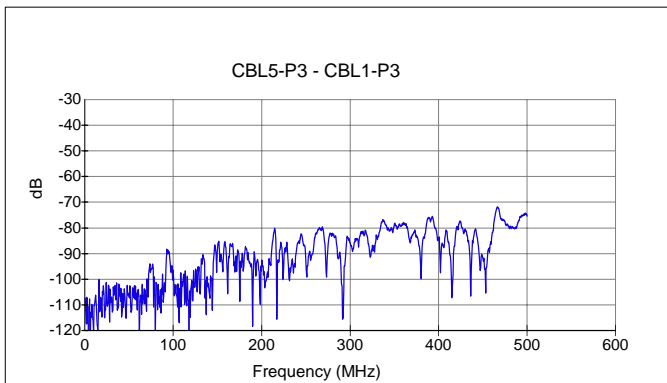
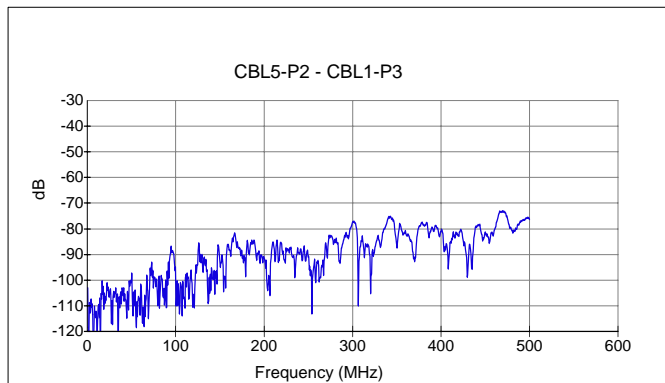
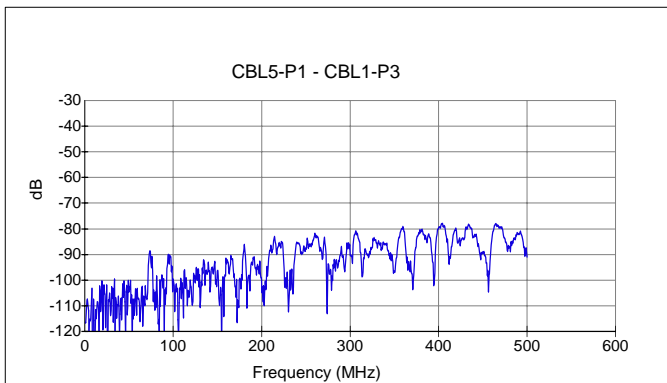
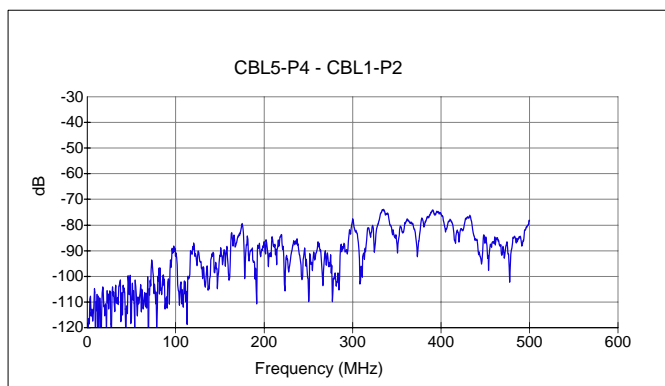
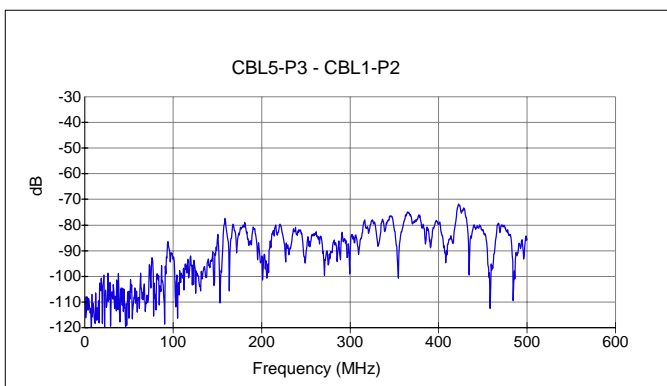
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

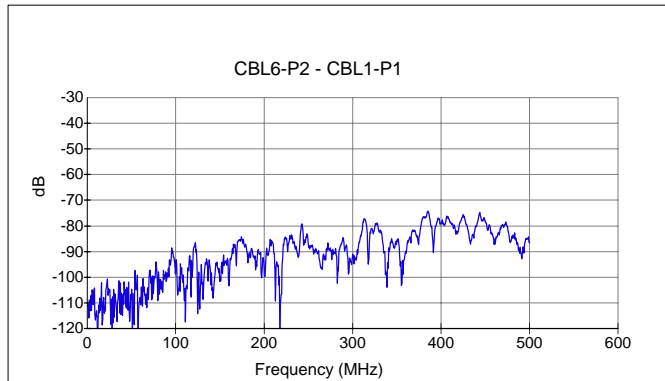
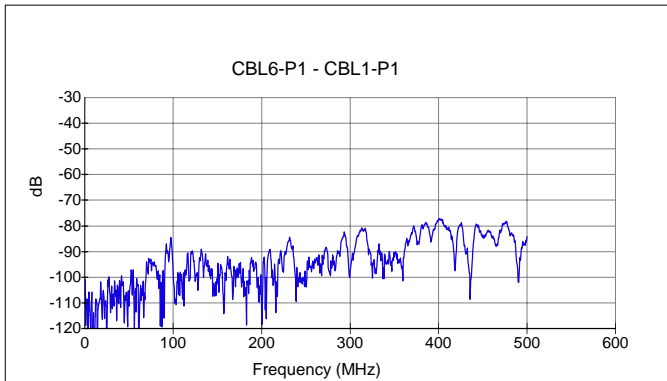
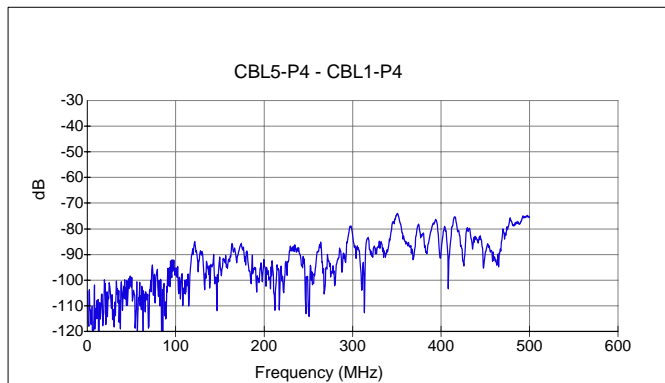
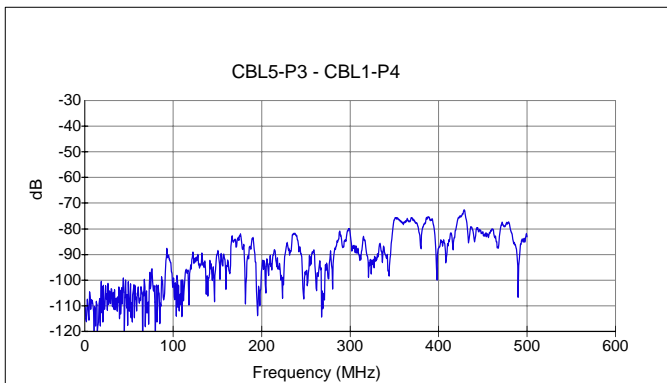
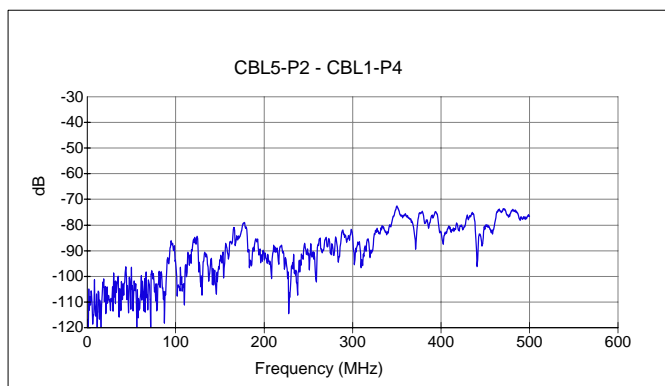
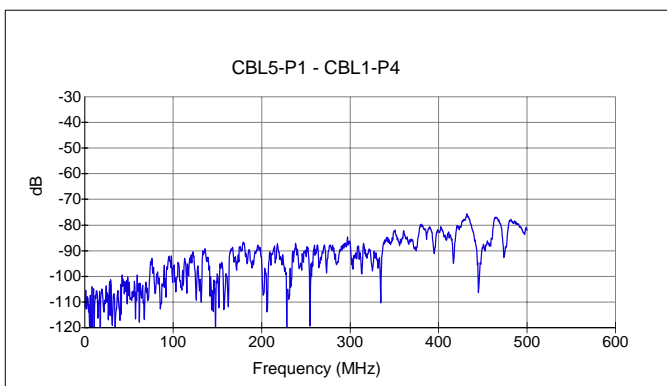
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

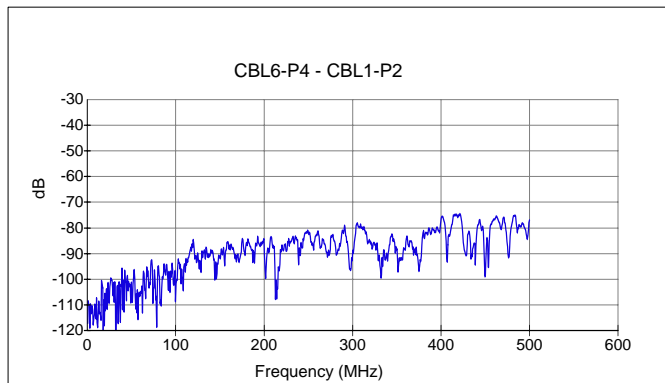
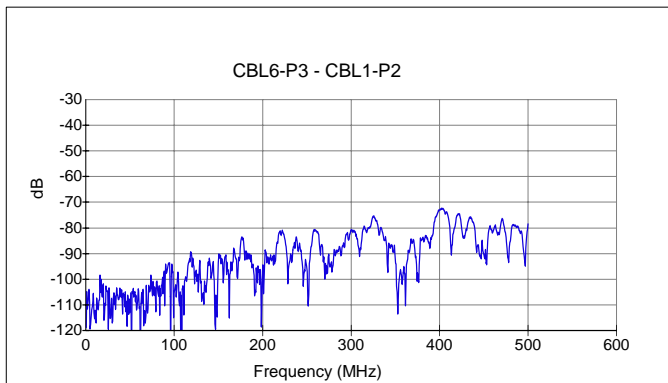
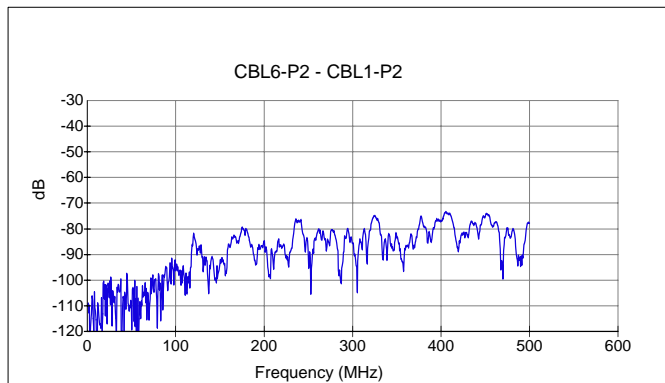
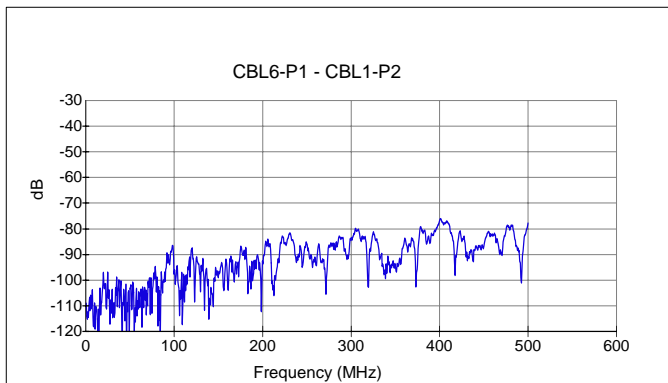
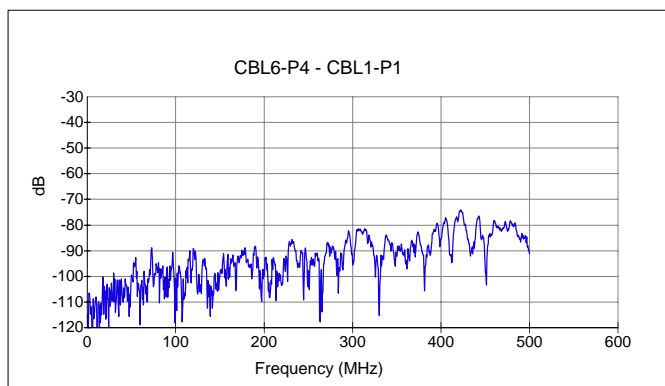
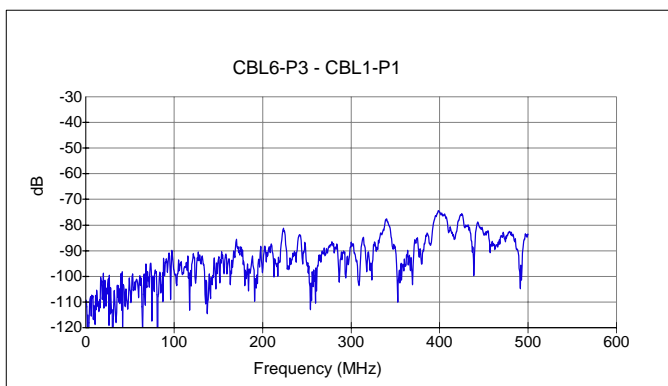
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

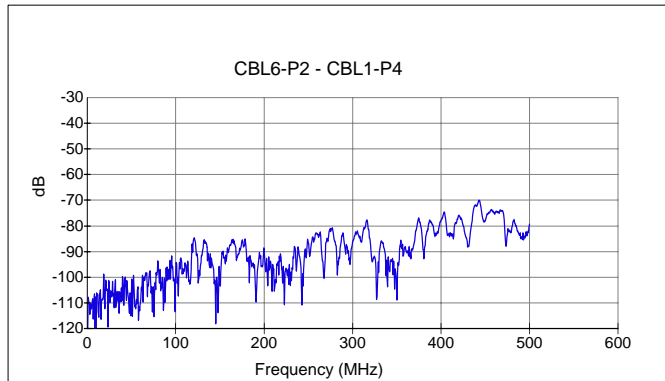
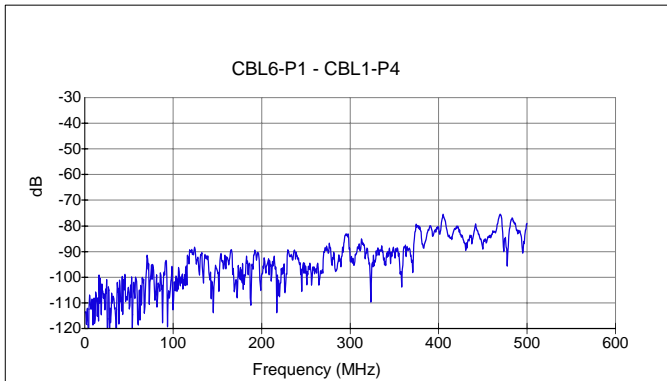
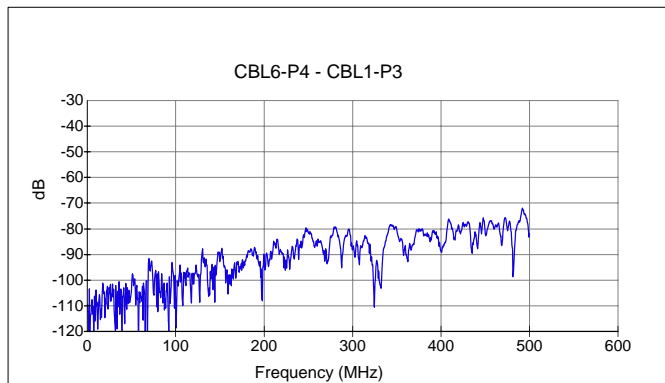
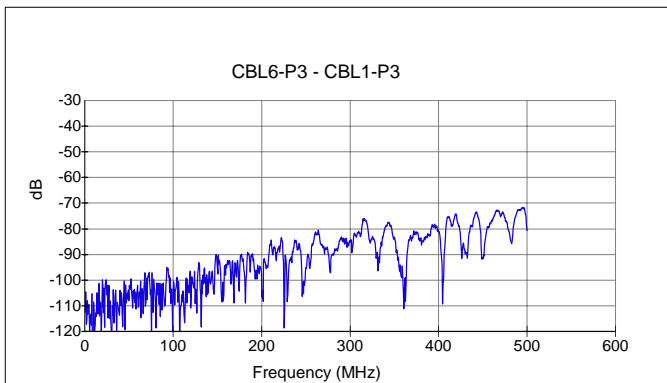
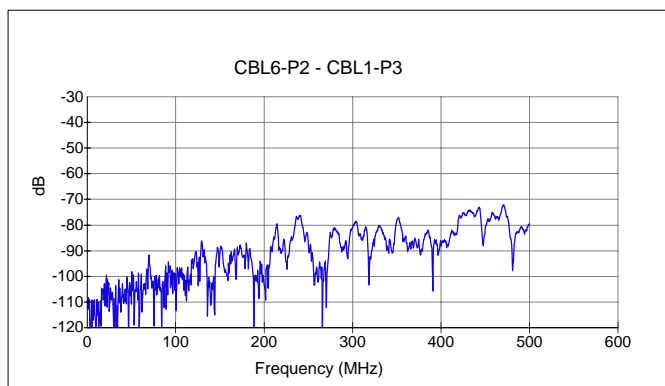
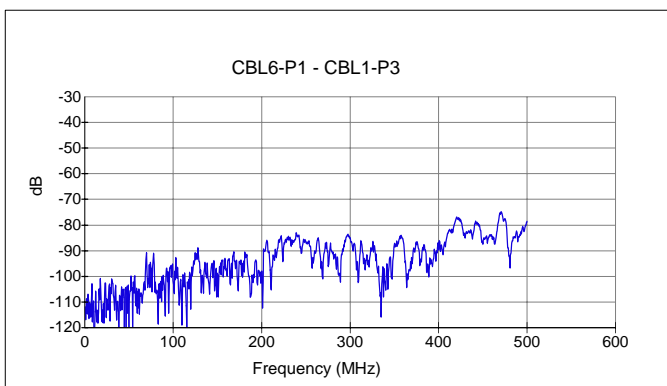
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

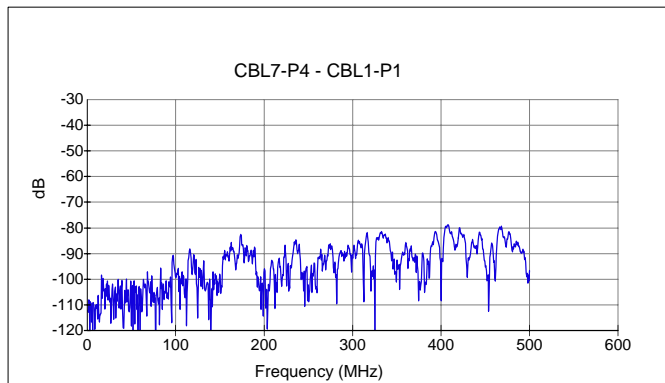
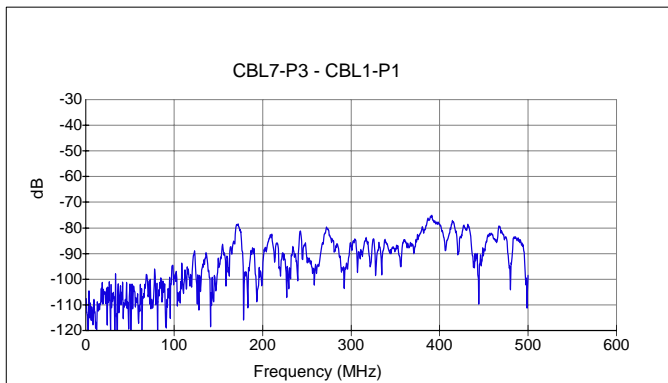
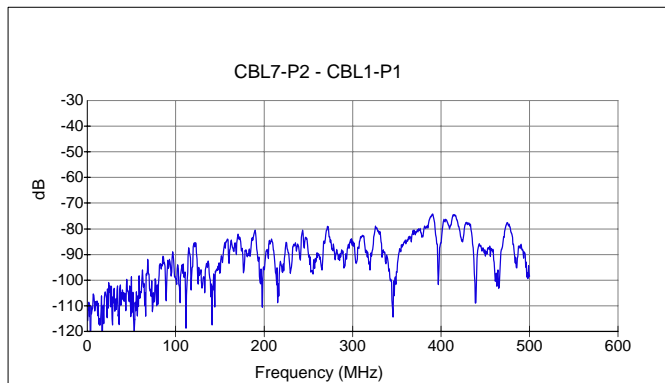
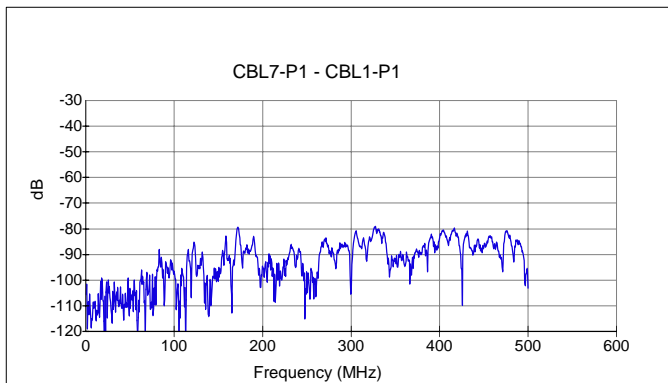
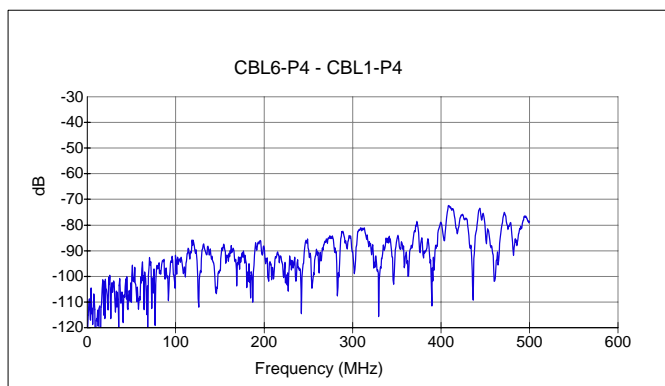
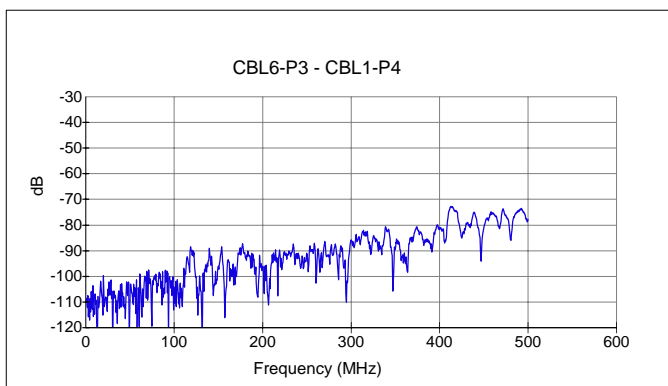
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
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<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

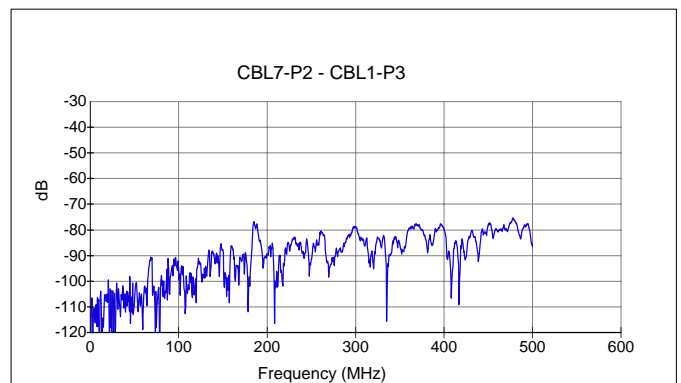
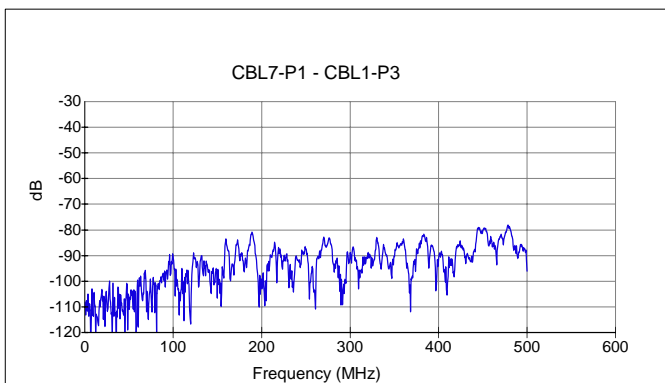
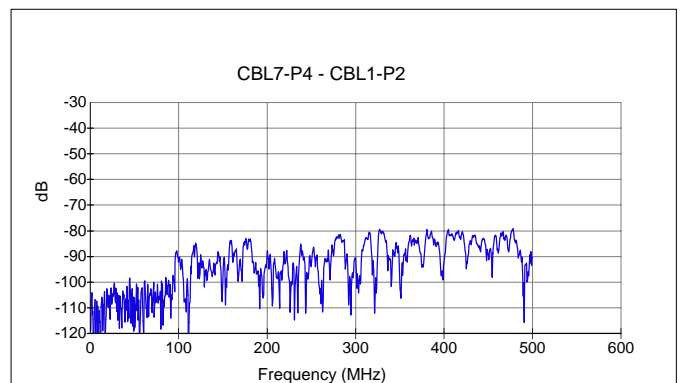
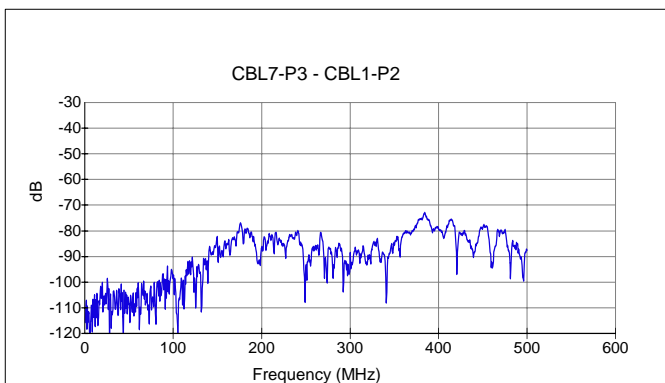
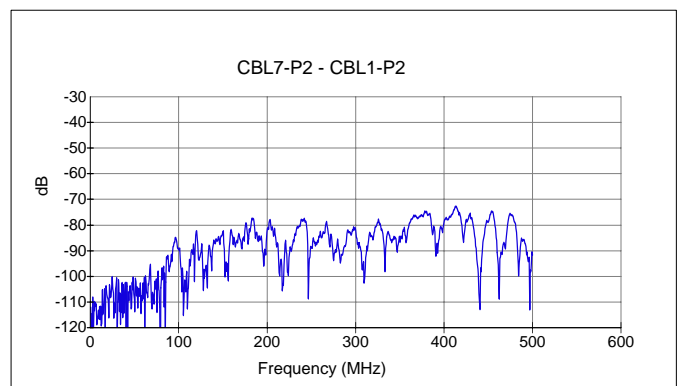
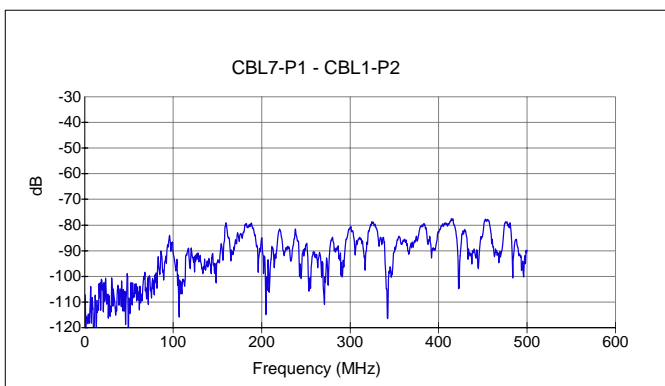
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
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<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

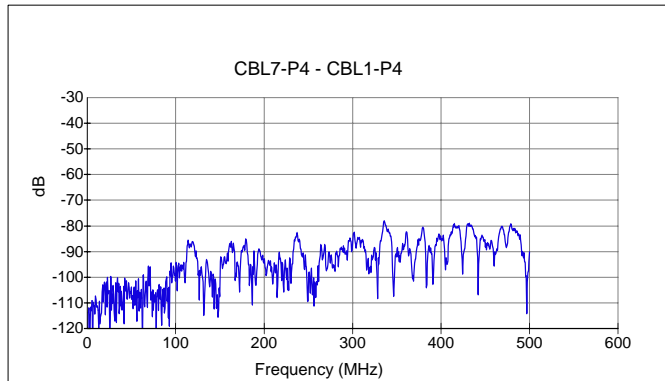
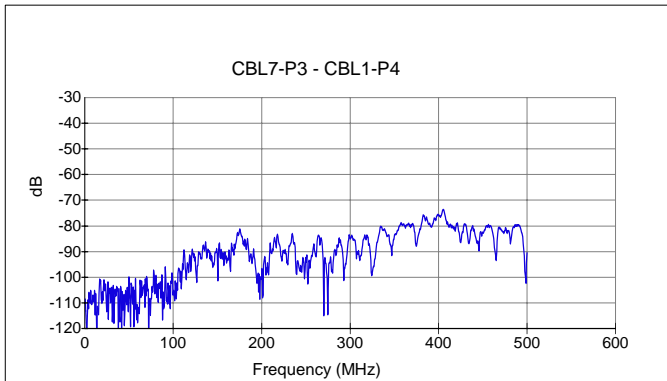
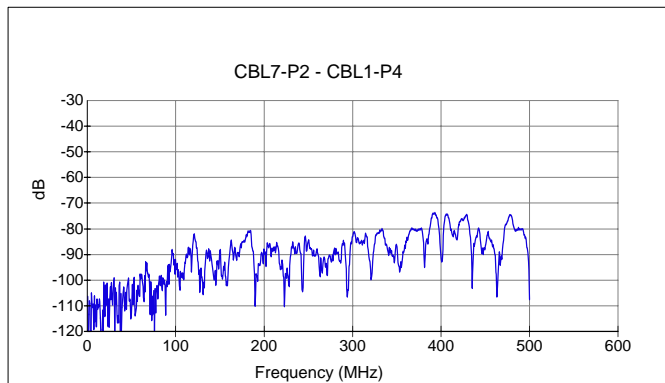
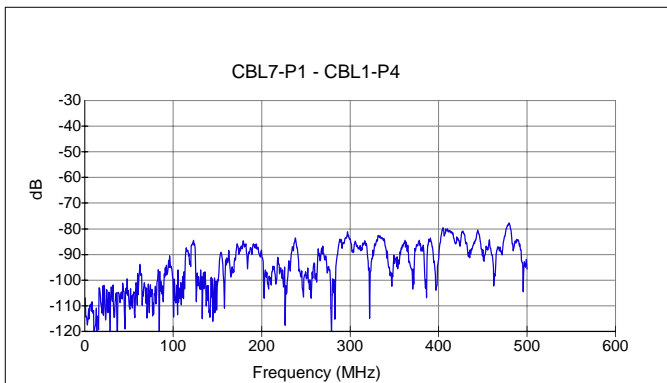
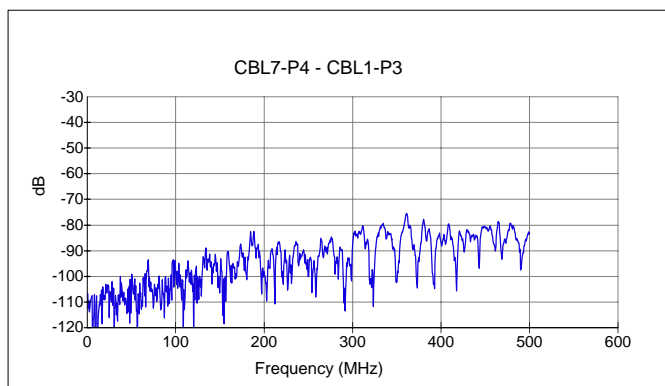
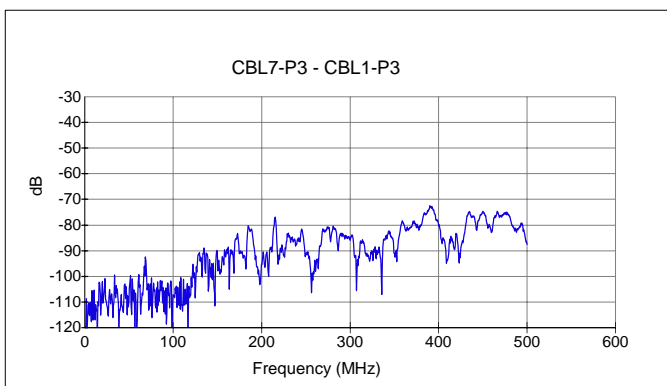
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT Far

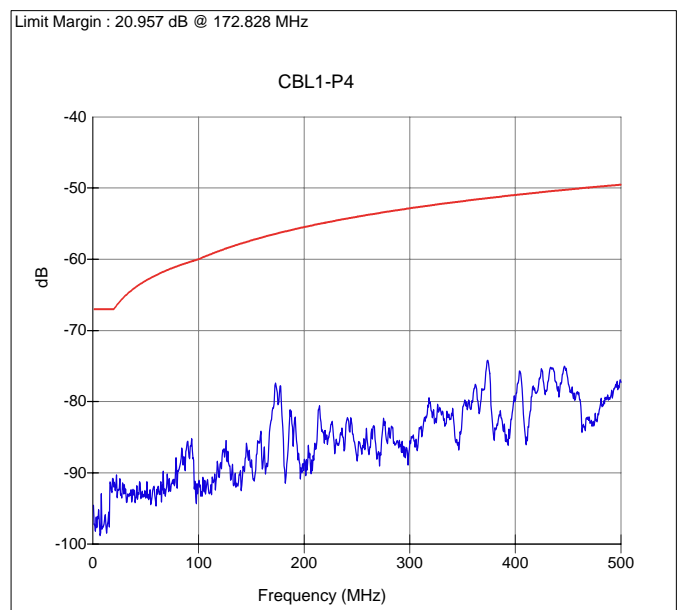
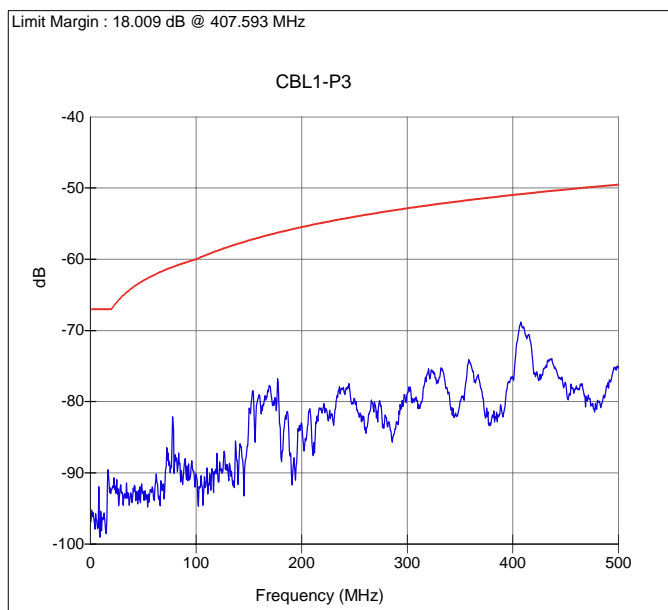
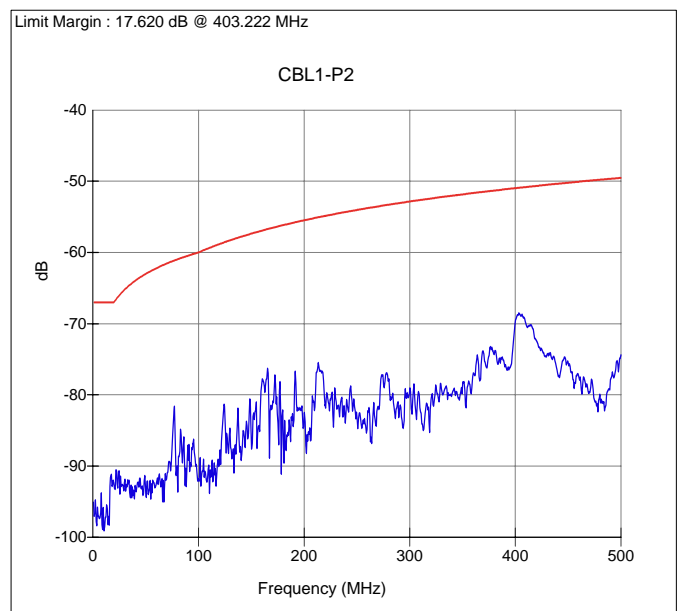
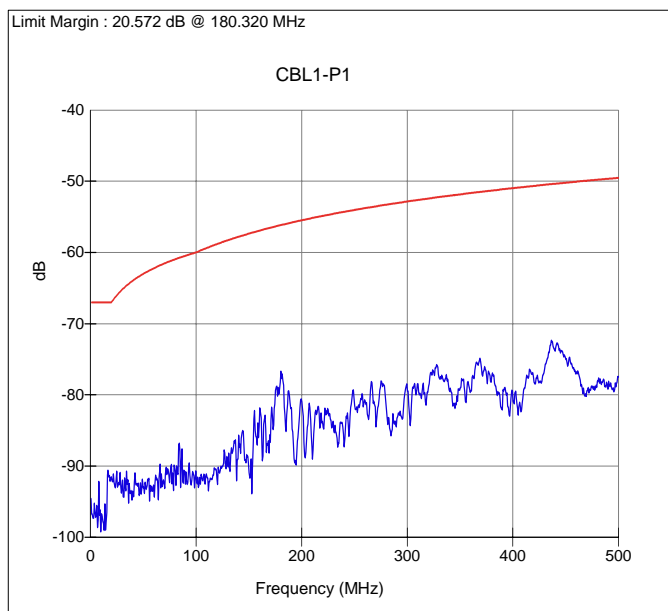
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## ANEXT (PowerSum) Near

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

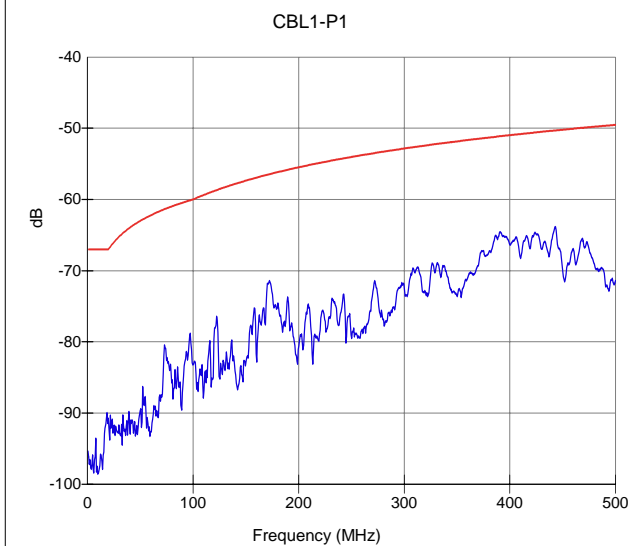




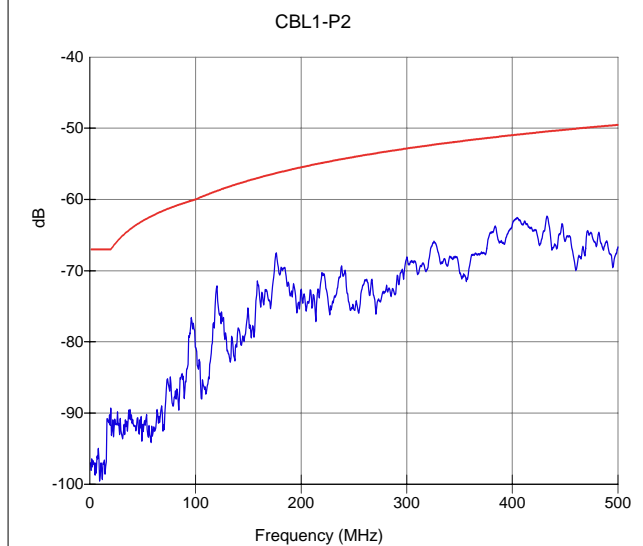
## ANEXT (PowerSum) Far

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

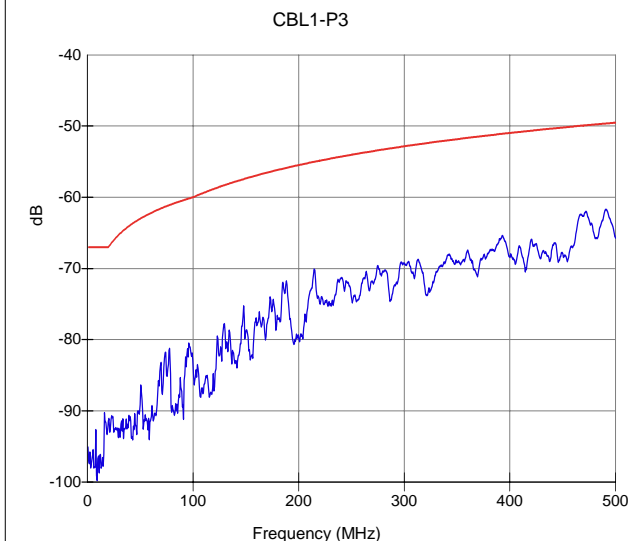
Limit Margin : 13.397 dB @ 390.734 MHz



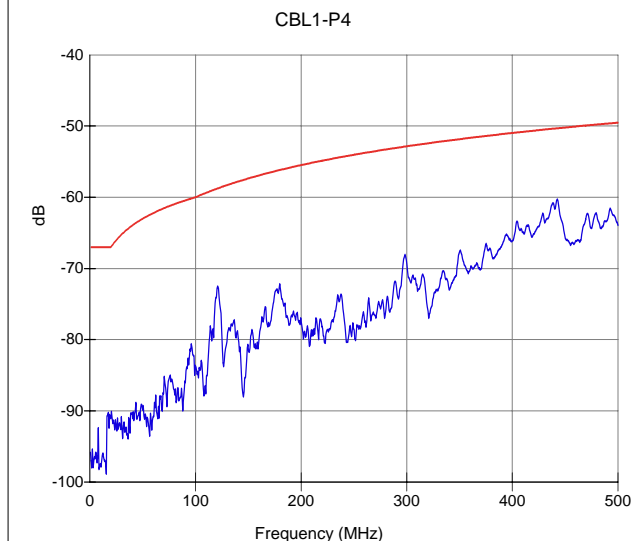
Limit Margin : 11.248 dB @ 176.574 MHz



Limit Margin : 12.085 dB @ 491.259 MHz



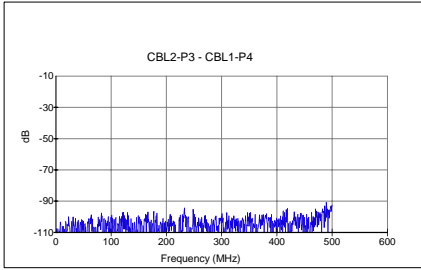
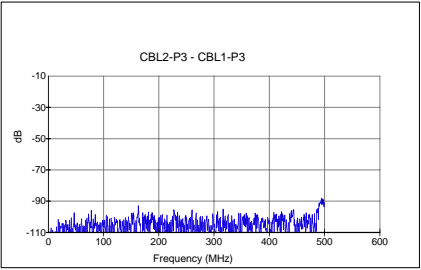
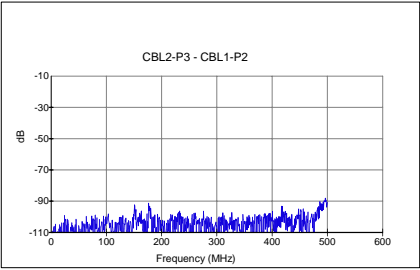
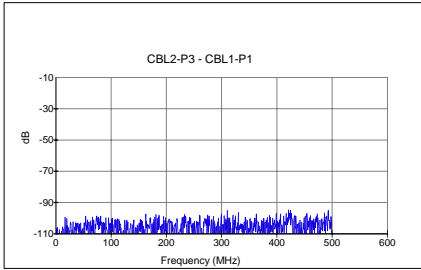
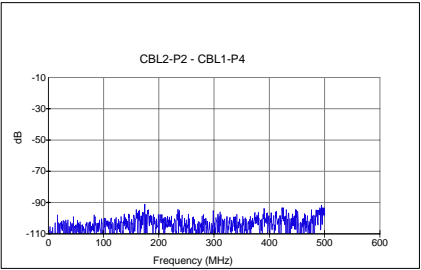
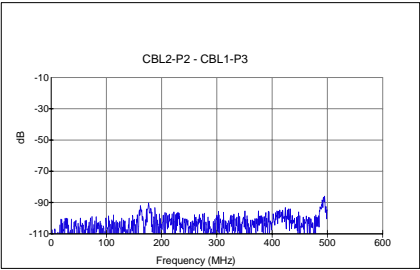
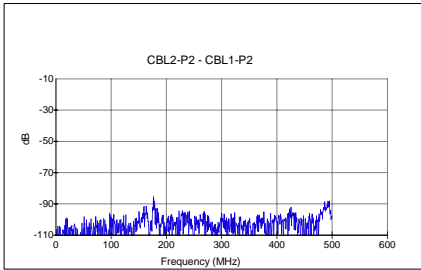
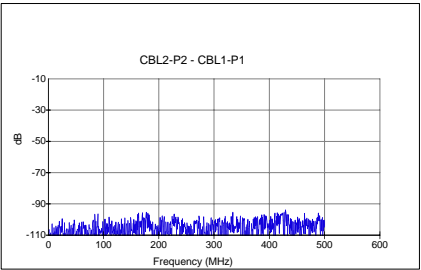
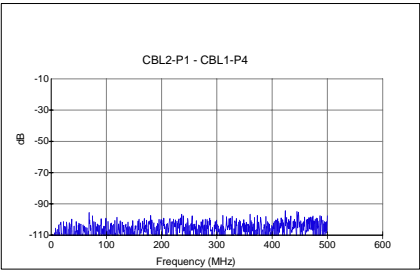
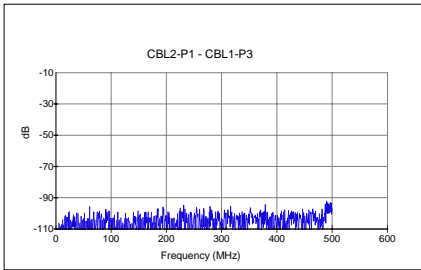
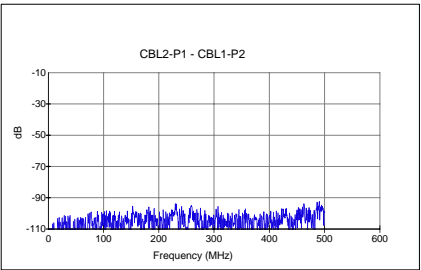
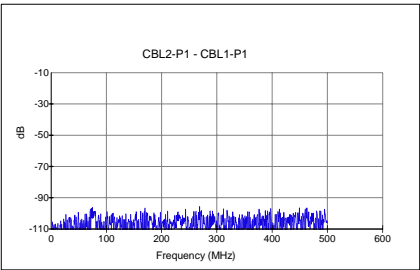
Limit Margin : 9.958 dB @ 442.558 MHz





AFEXT Near

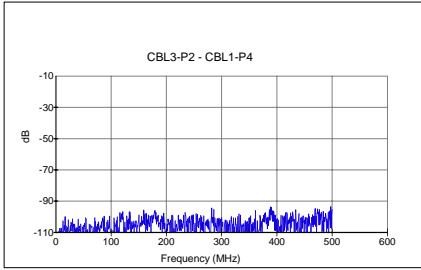
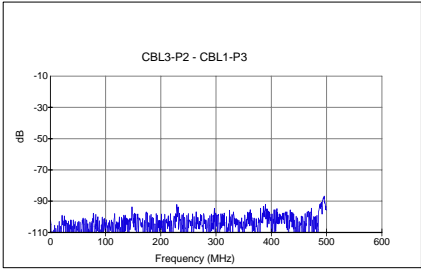
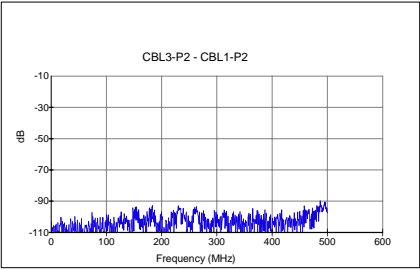
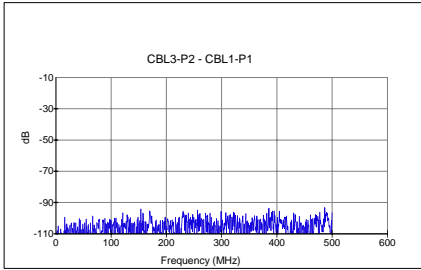
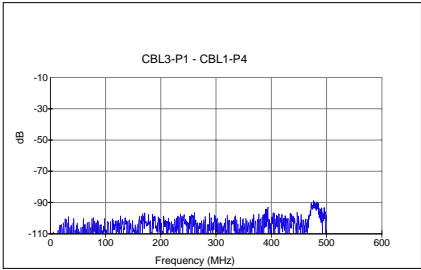
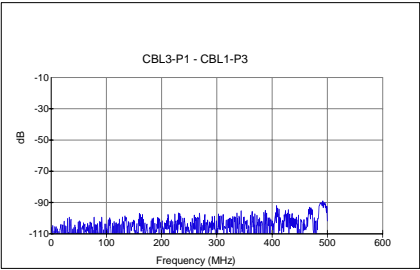
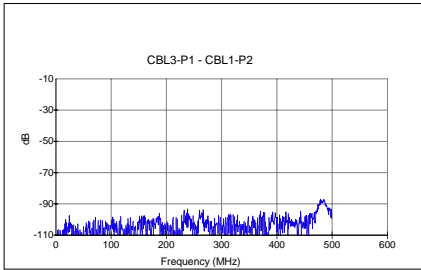
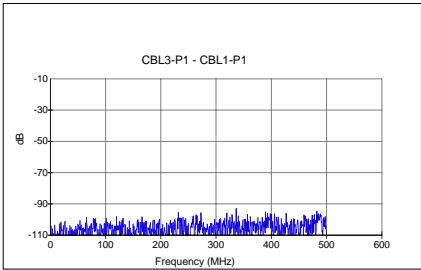
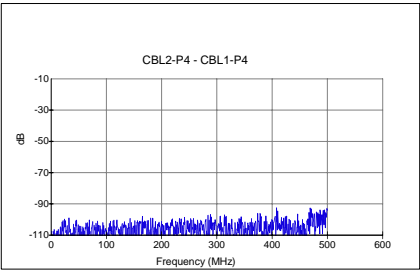
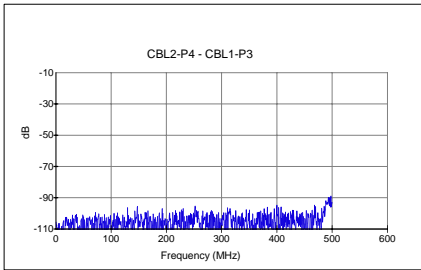
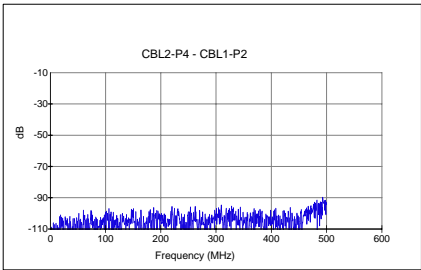
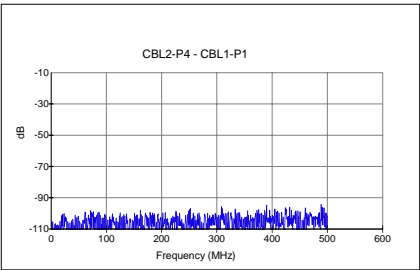
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





AFEXT Near

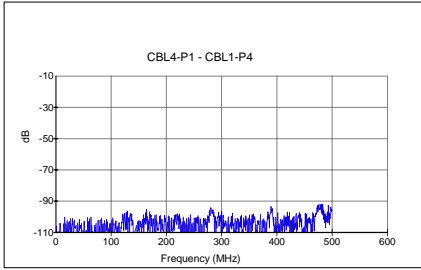
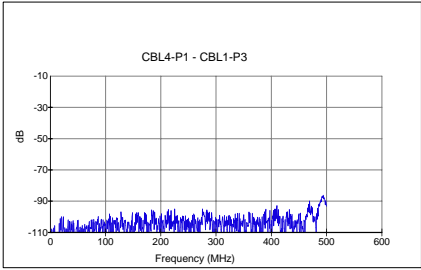
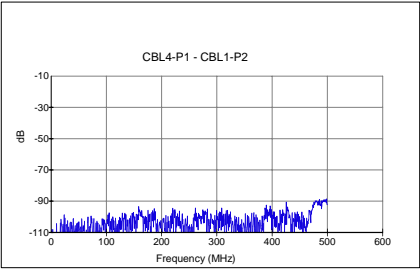
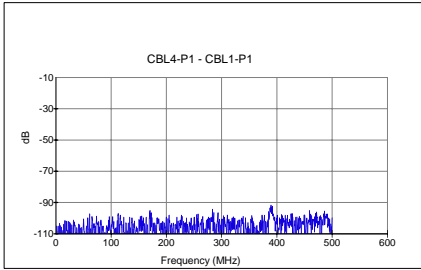
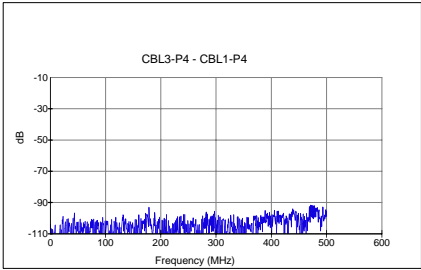
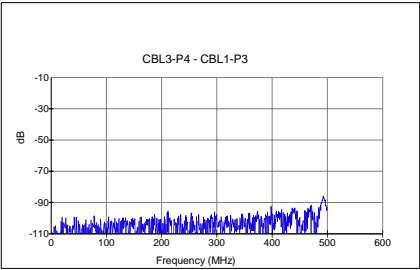
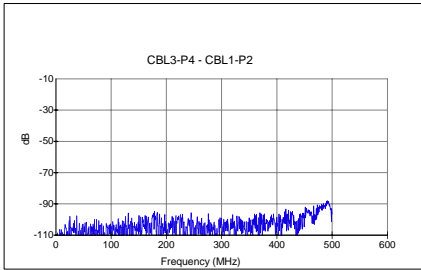
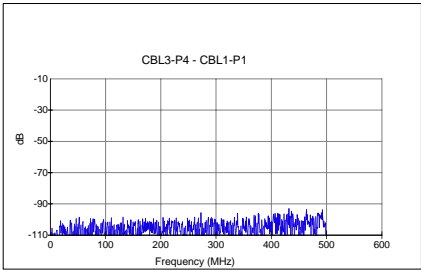
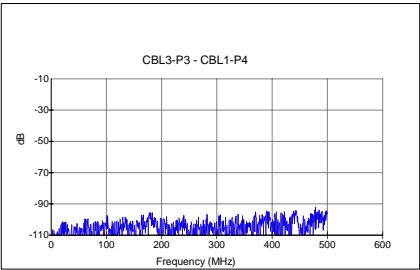
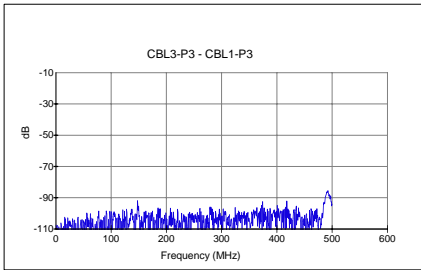
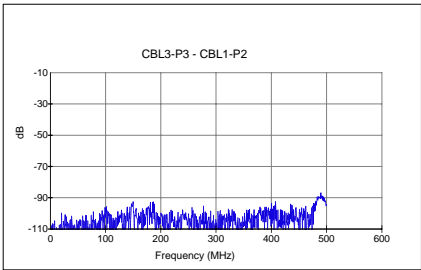
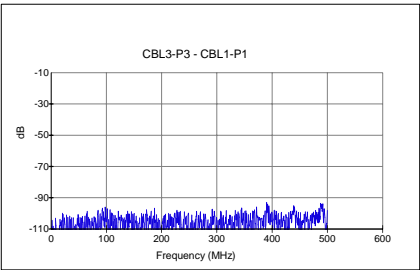
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





AFEXT Near

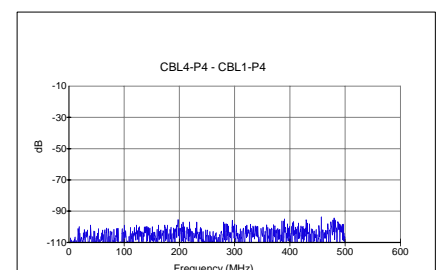
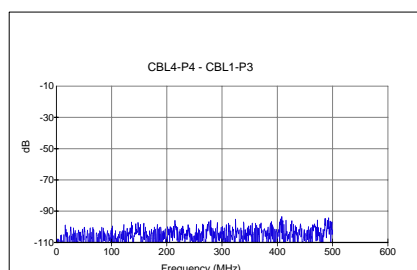
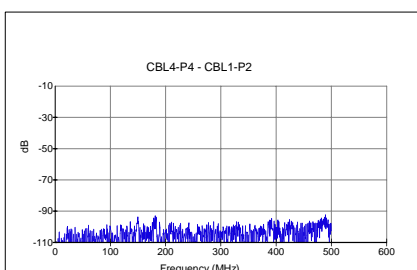
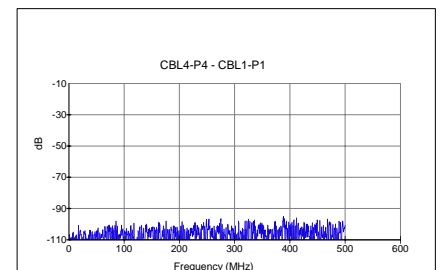
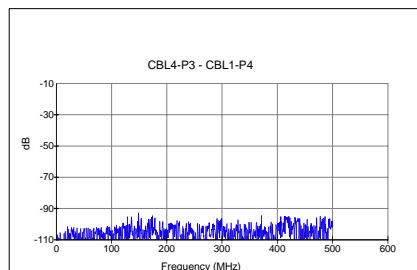
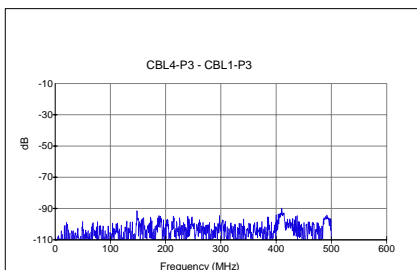
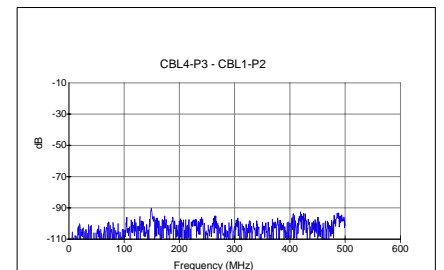
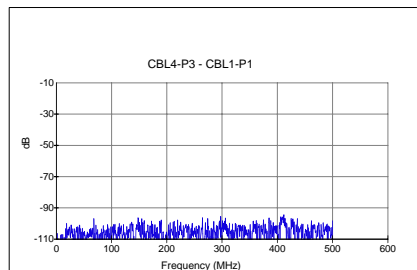
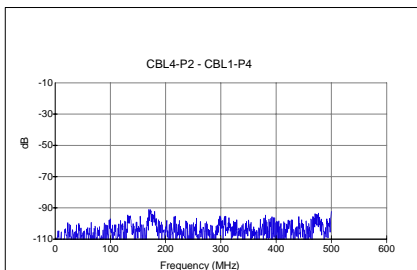
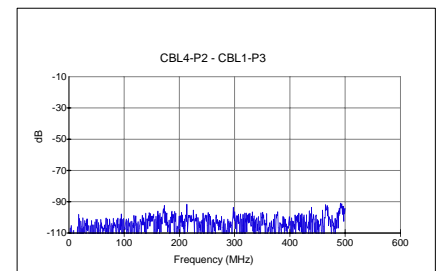
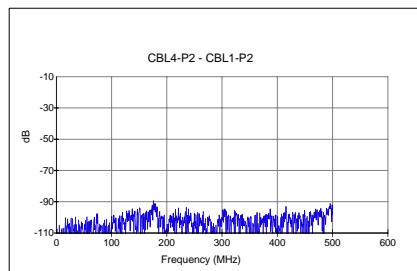
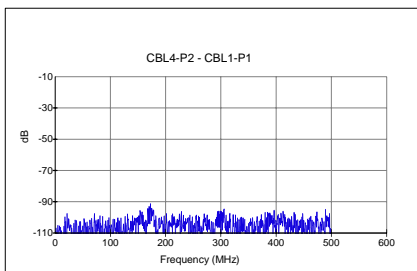
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





## AFEXT Near

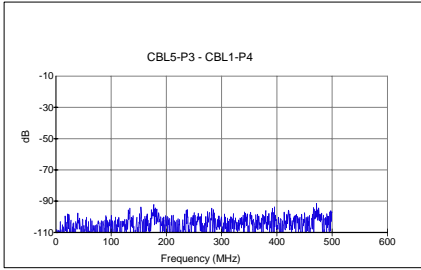
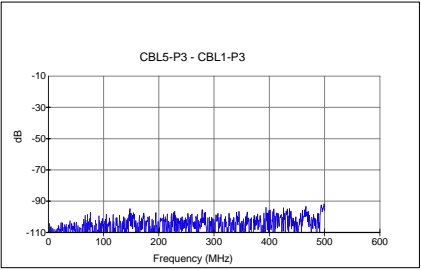
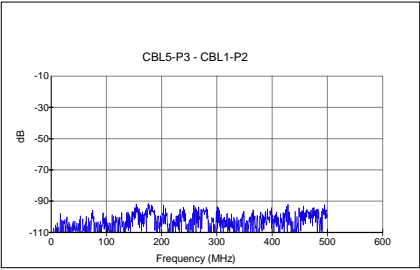
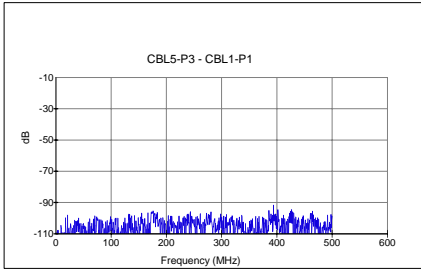
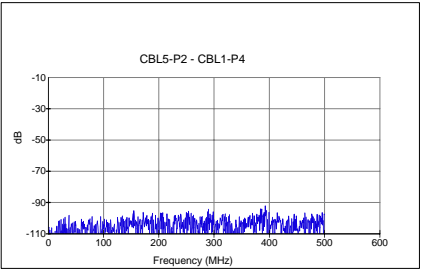
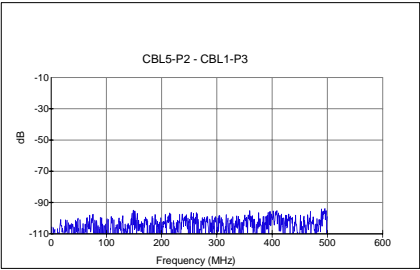
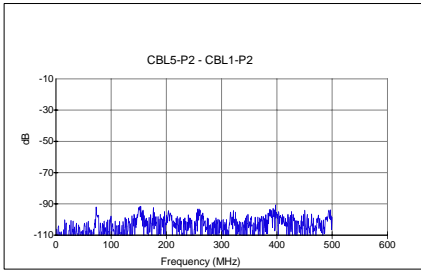
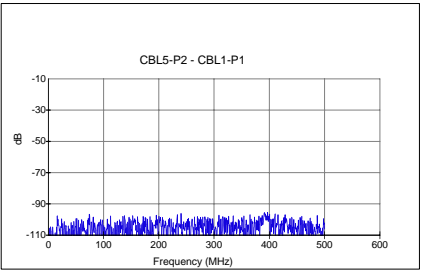
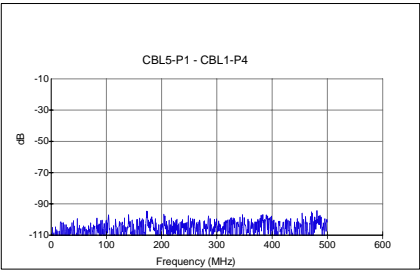
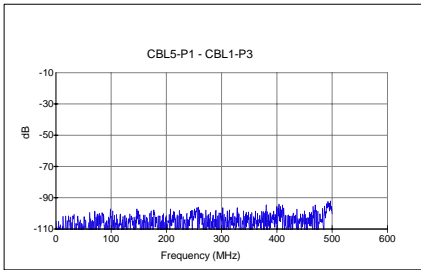
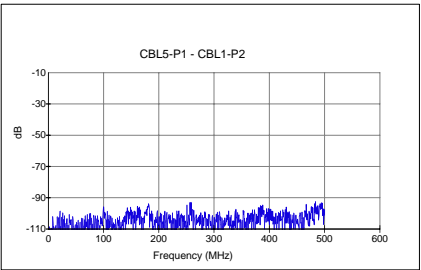
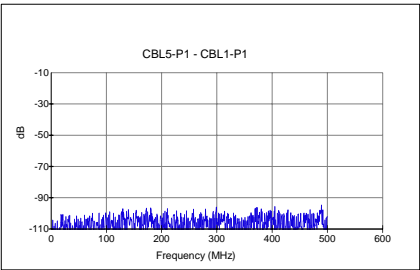
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





AFEXT Near

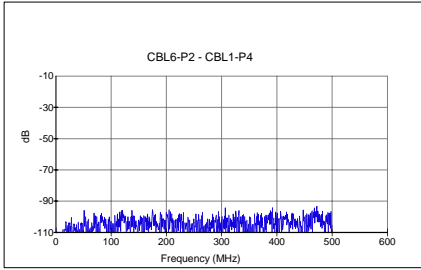
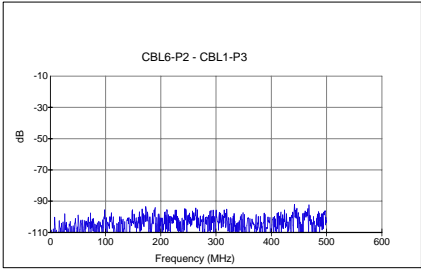
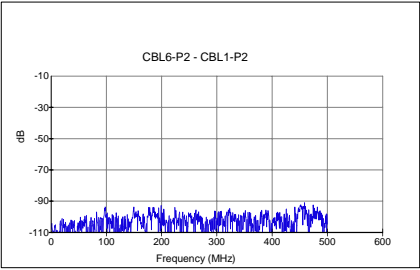
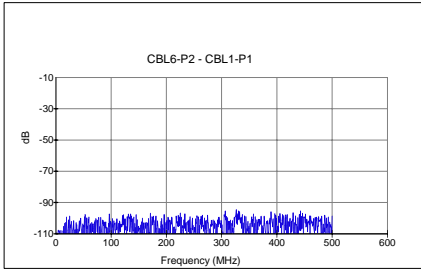
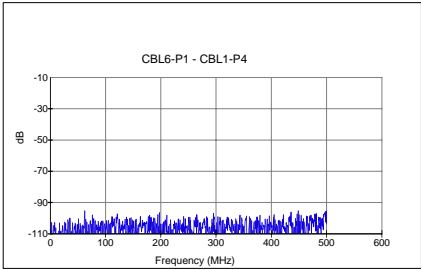
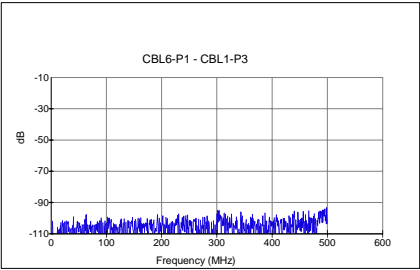
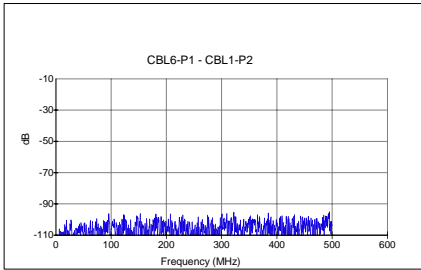
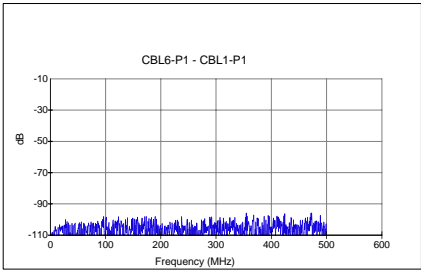
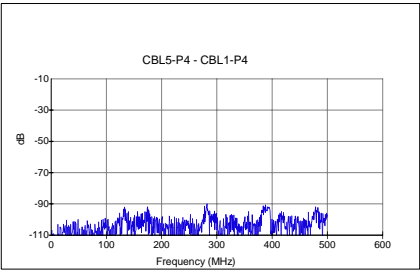
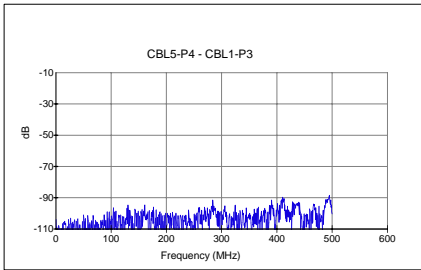
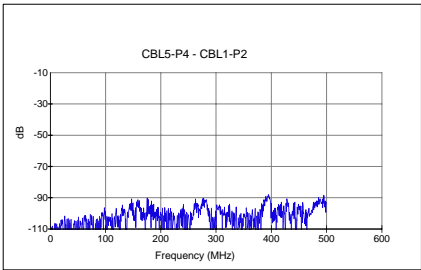
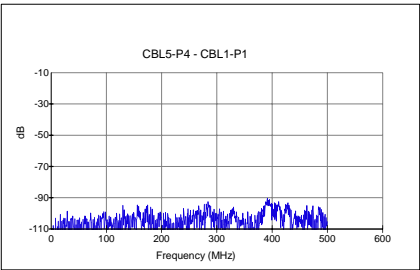
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





AFEXT Near

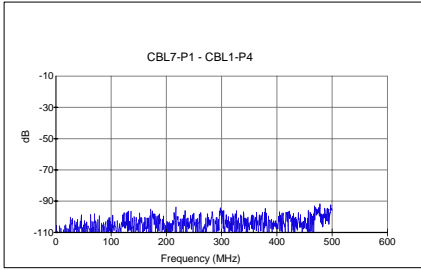
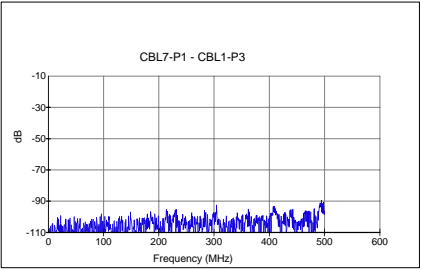
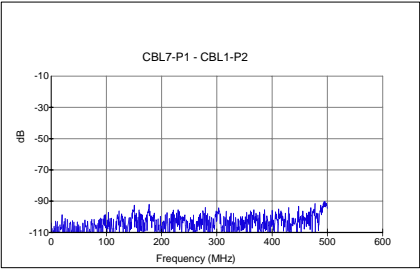
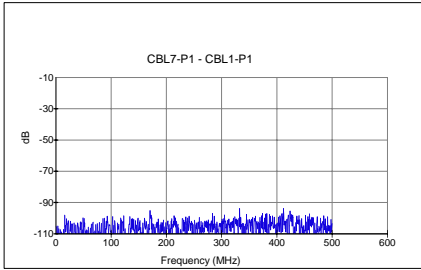
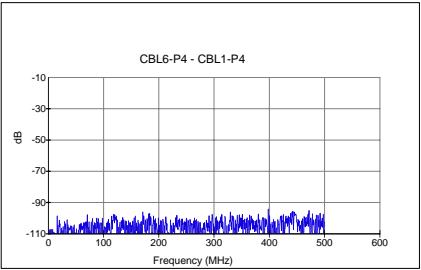
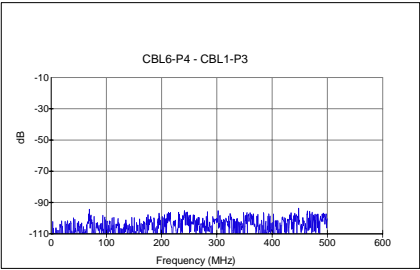
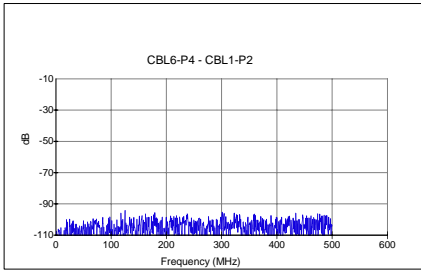
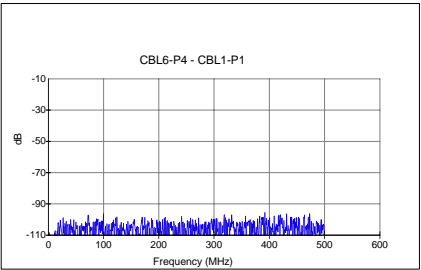
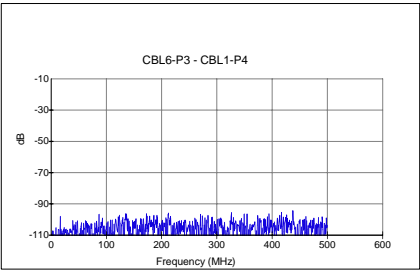
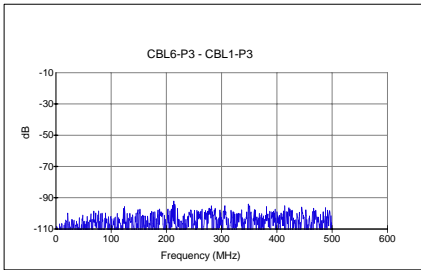
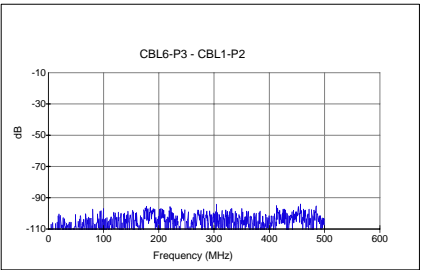
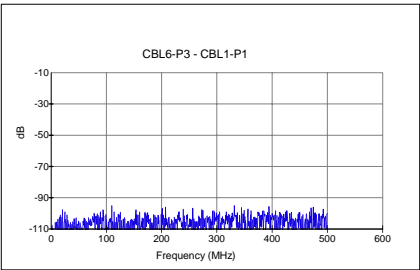
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





AFEXT Near

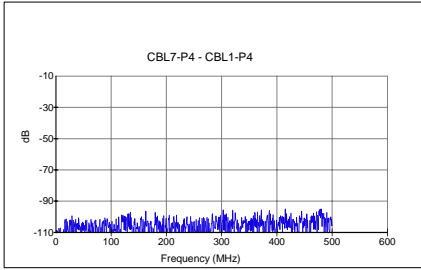
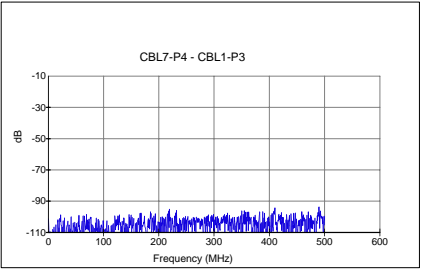
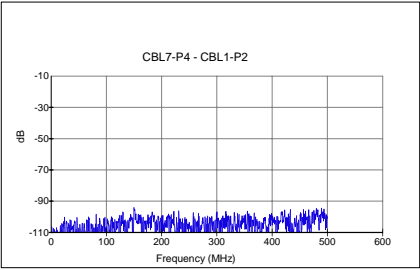
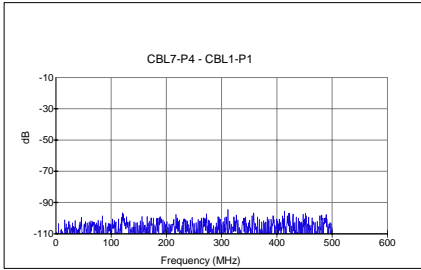
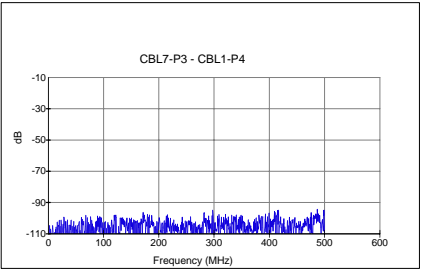
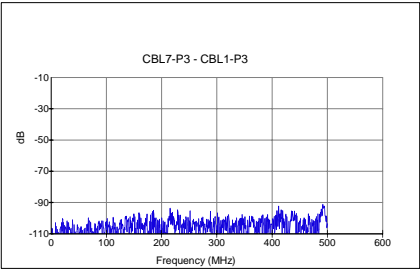
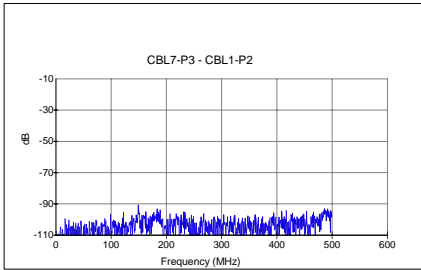
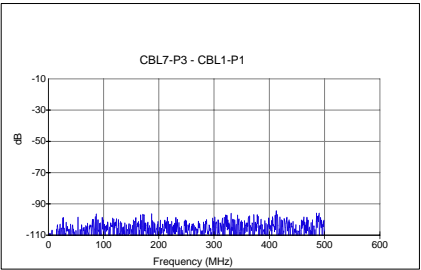
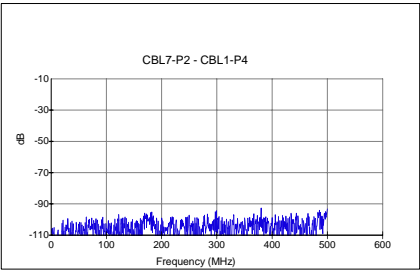
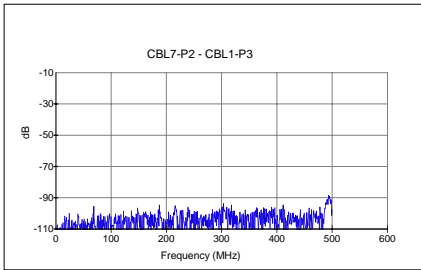
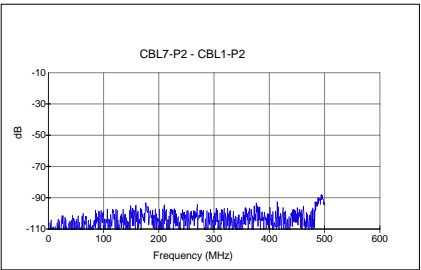
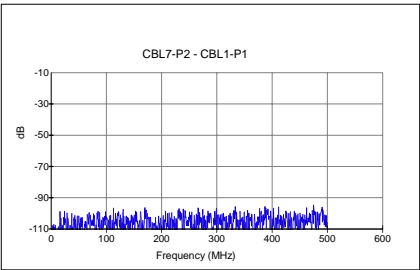
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





AFEXT Near

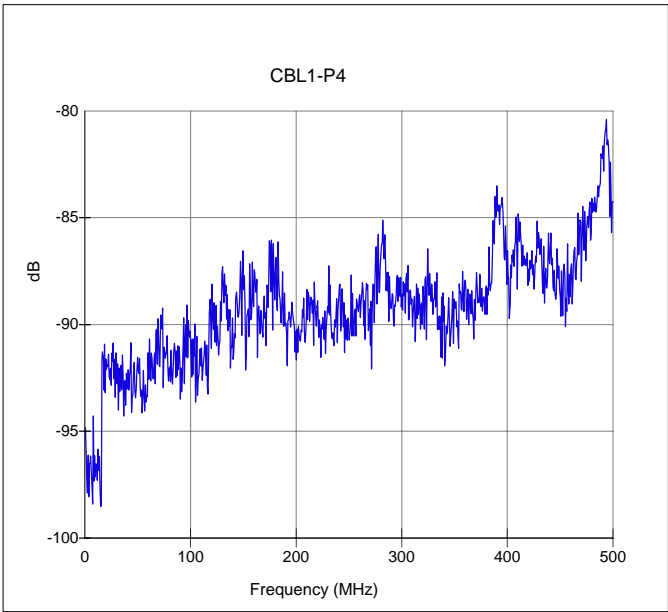
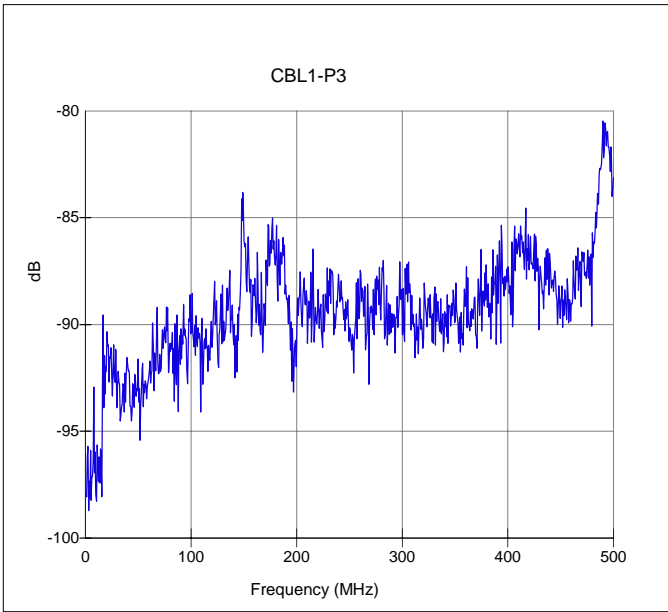
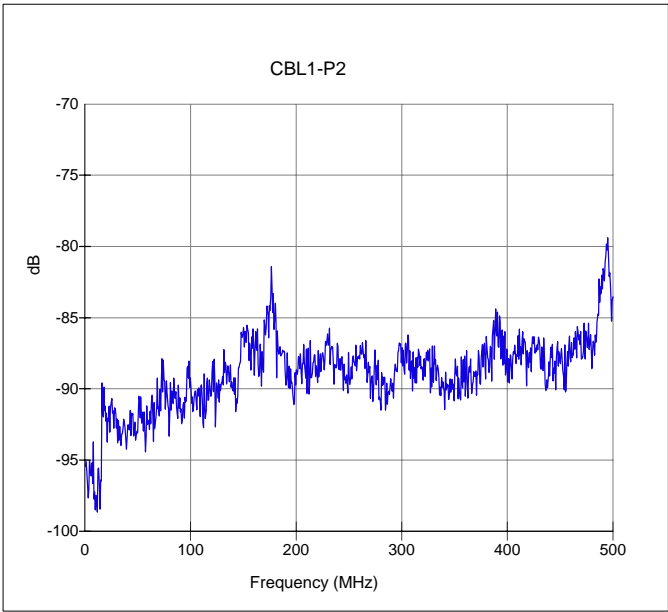
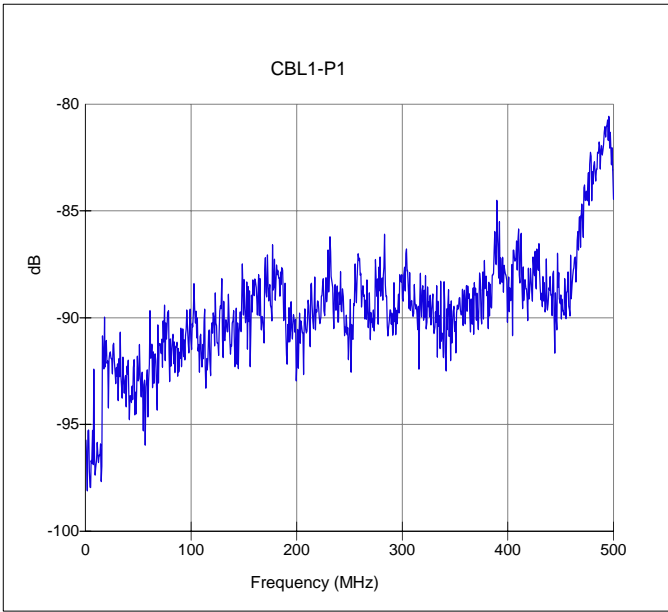
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





AFEXT (PowerSum) Near

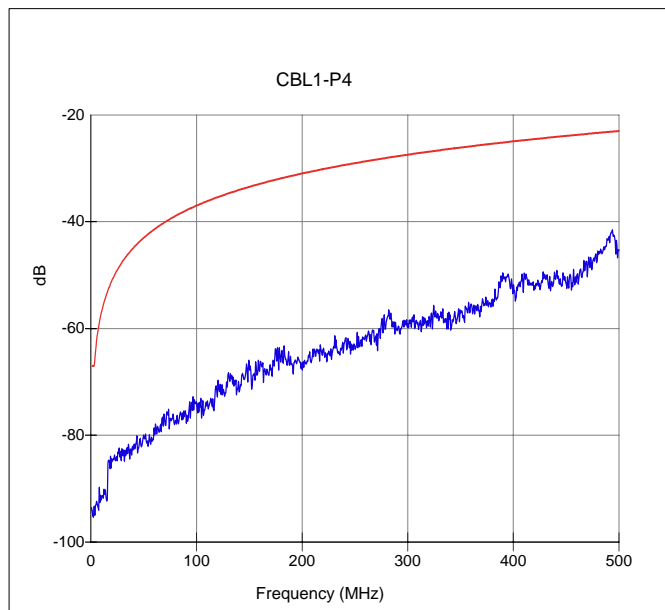
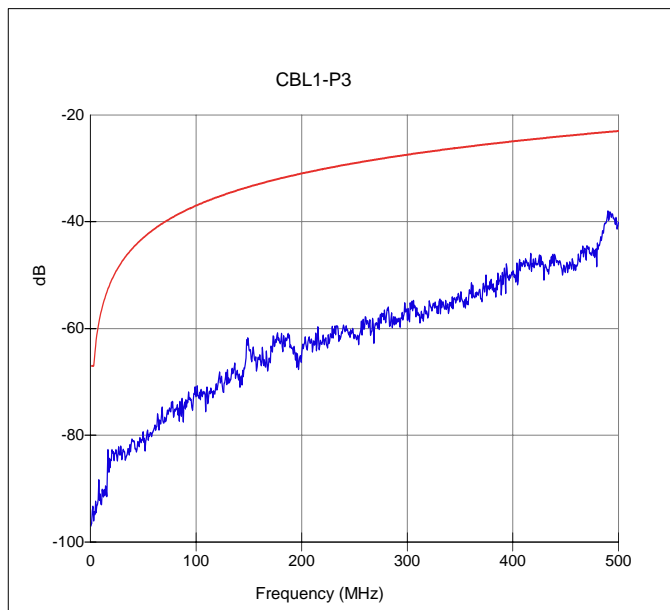
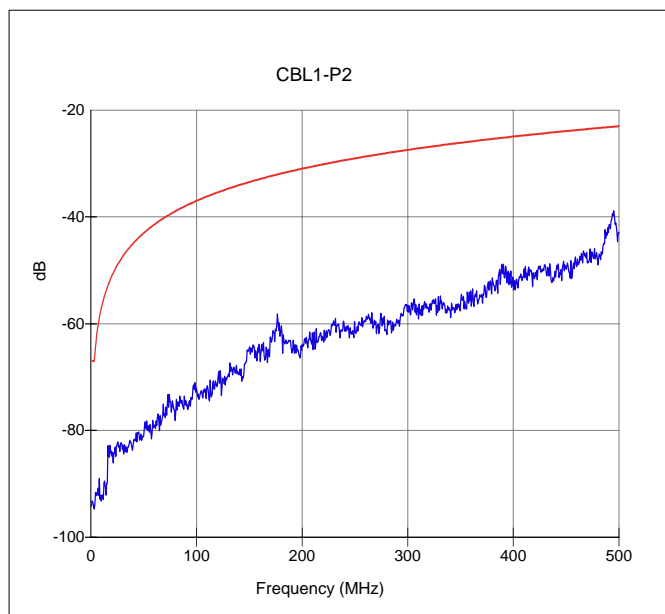
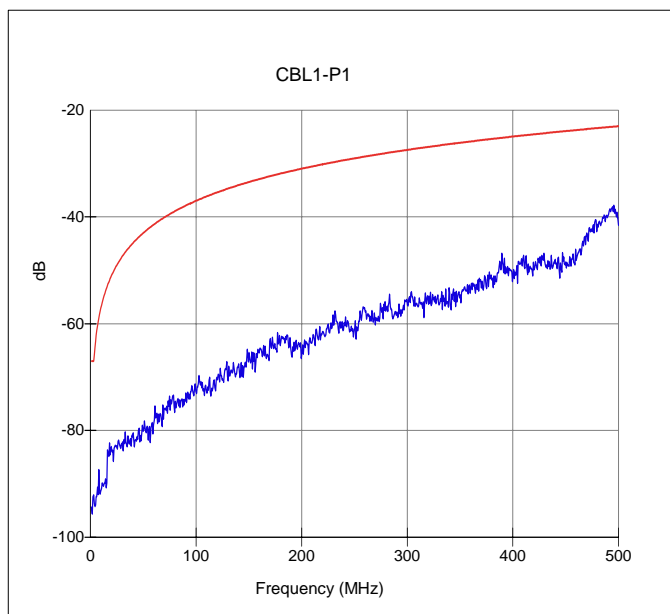
Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





## AELFEXT (PowerSum) Near

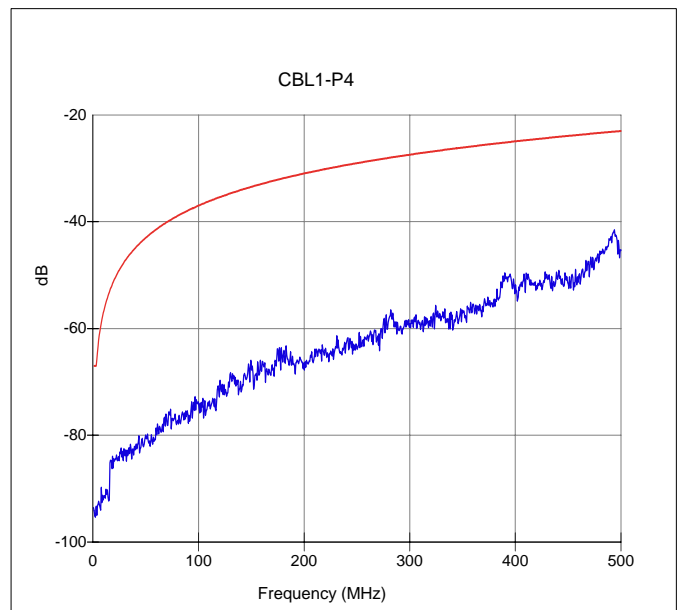
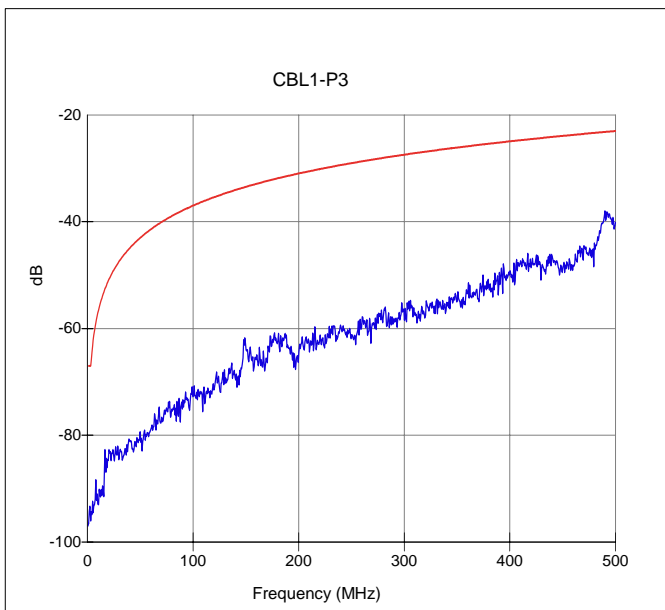
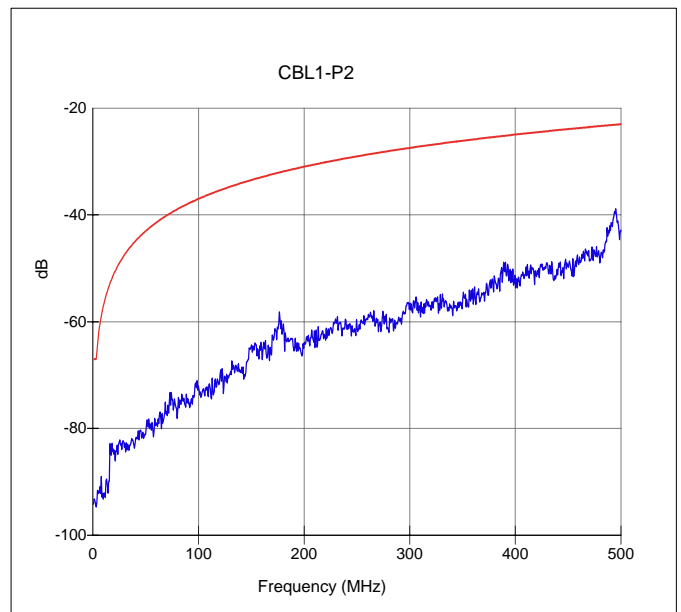
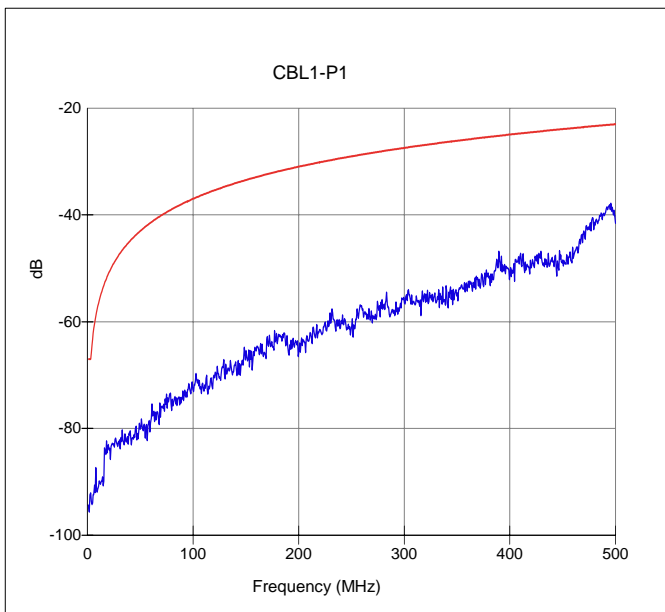
<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies





## PSAACRF Near

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

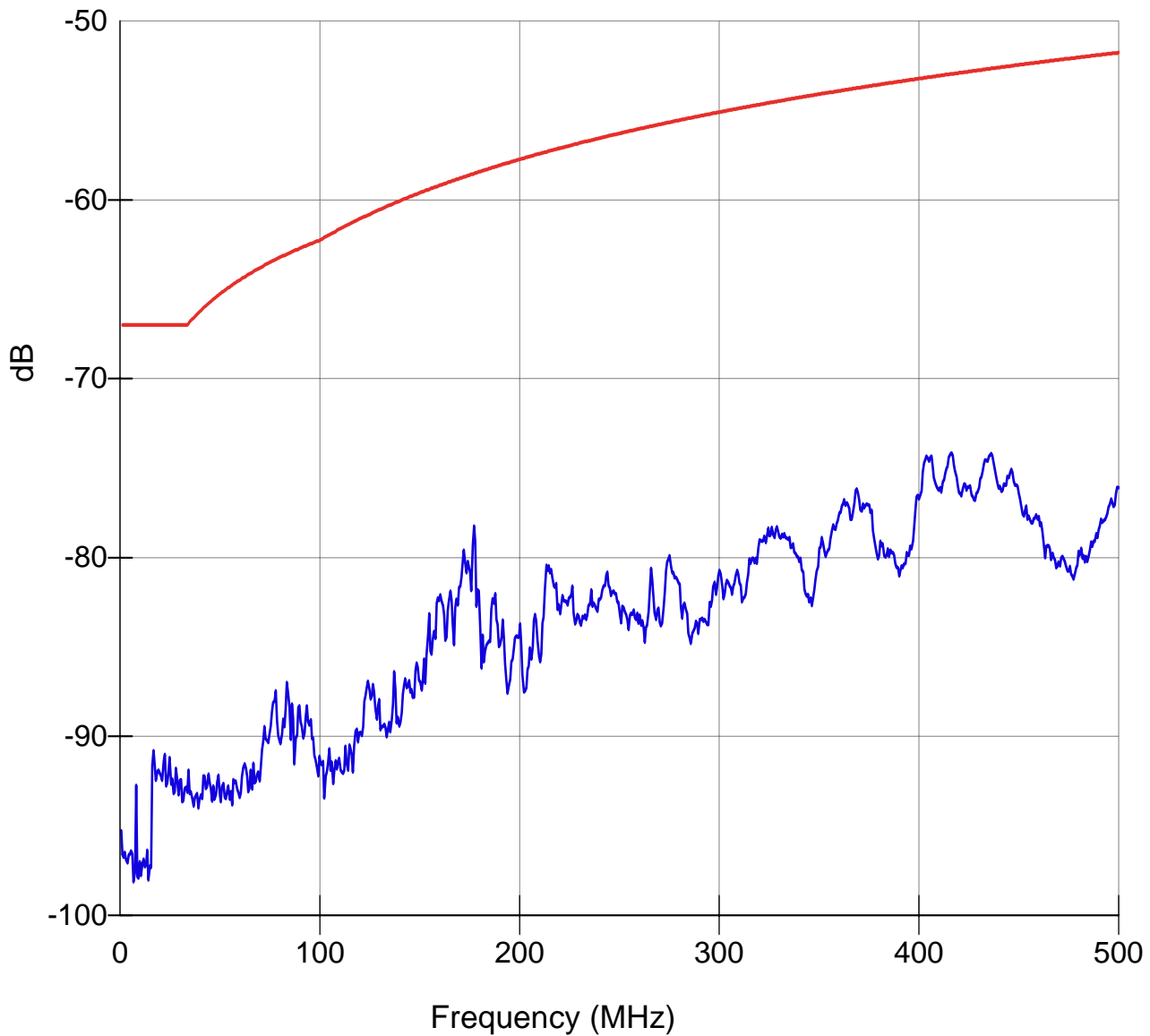




## ANEXT (PowerSum Average) Near

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

Limit Margin : 19.726 dB @ 177.198 MHz

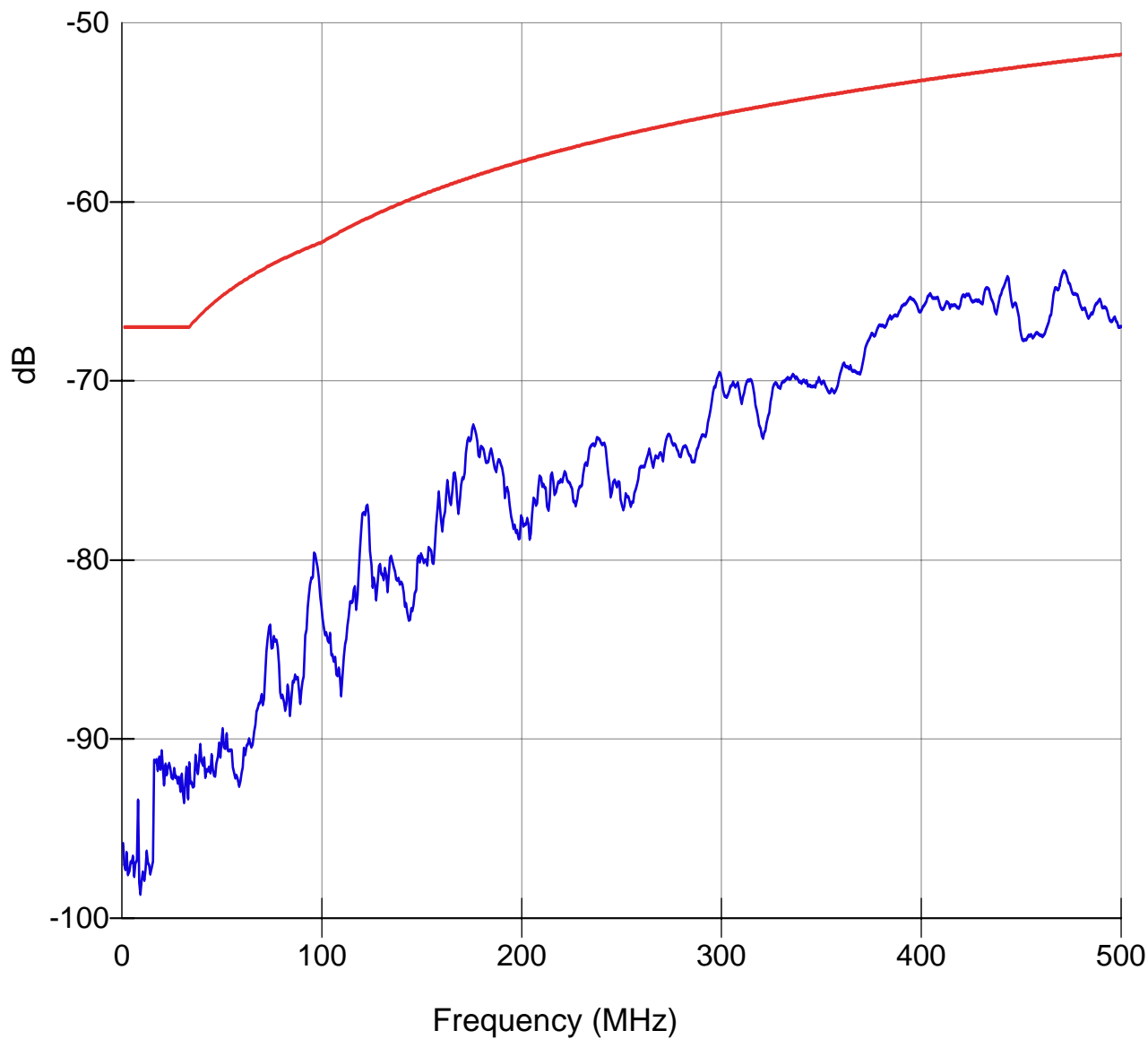




## ANEXT (PowerSum Average) Far

<b>Client</b>	Schneider Electric	<b>Project No</b>	3180890CRT-001
<b>Specification</b>	TIA-568-C2 - Augmented Cat 6 (Channel)		
<b>Part No</b>		<b>Length(m)</b>	100.
<b>Test Started</b>	1/8/2010 9:33:03 AM	<b>Temperature</b>	20 °C
<b>Description</b>	3 Connector Channel	<b>Appendix</b>	B
<b>Operator Name</b>	John Cash	<b>Test Status</b>	Complies

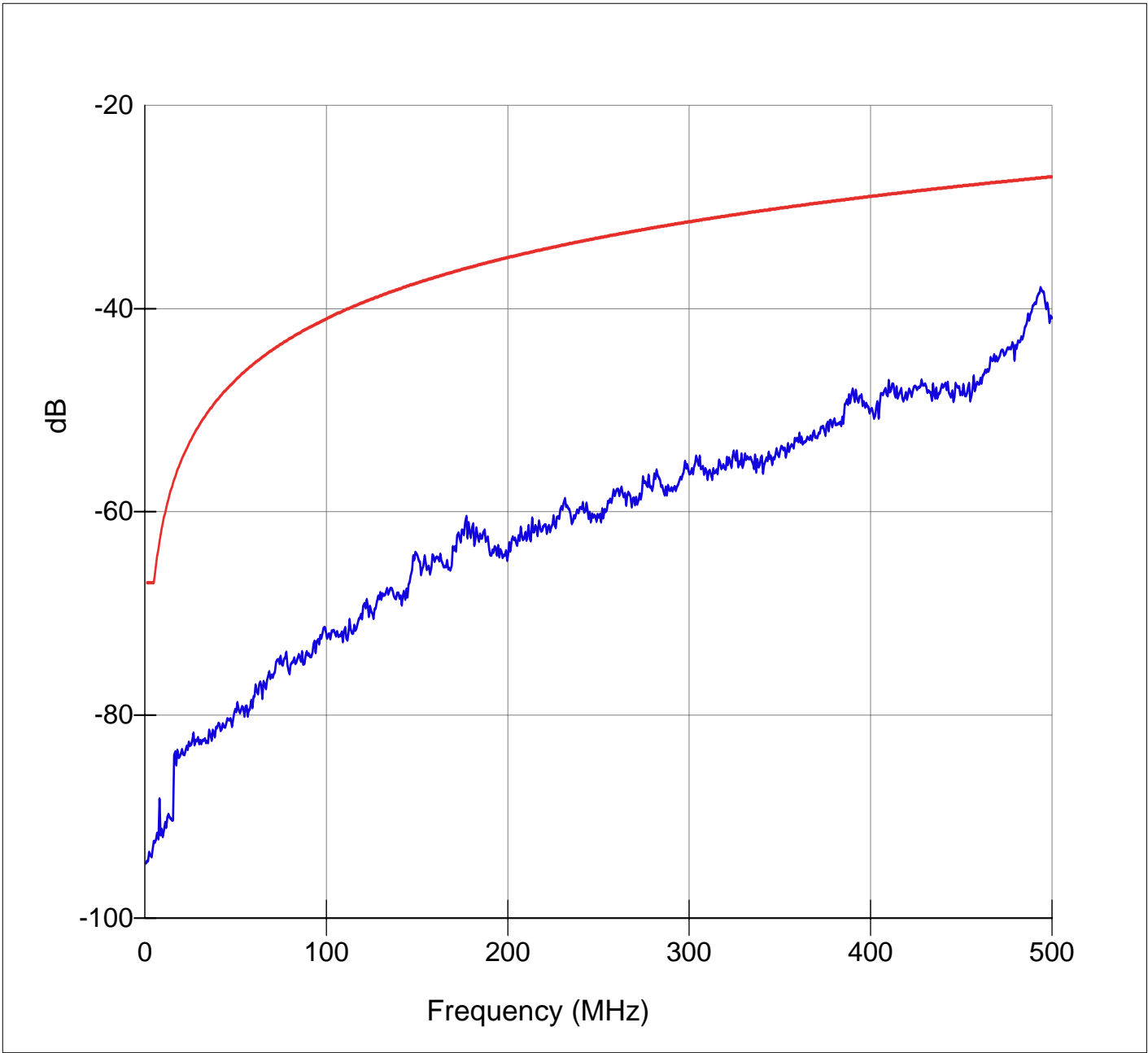
Limit Margin : 11.603 dB @ 443.182 MHz





AELFEXT (PowerSum Average) Near

Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies





PSAACRF (Average) Near

Client	Schneider Electric	Project No	3180890CRT-001
Specification	TIA-568-C2 - Augmented Cat 6 (Channel)		
Part No		Length(m)	100.
Test Started	1/8/2010 9:33:03 AM	Temperature	20 °C
Description	3 Connector Channel	Appendix	B
Operator Name	John Cash	Test Status	Complies

