

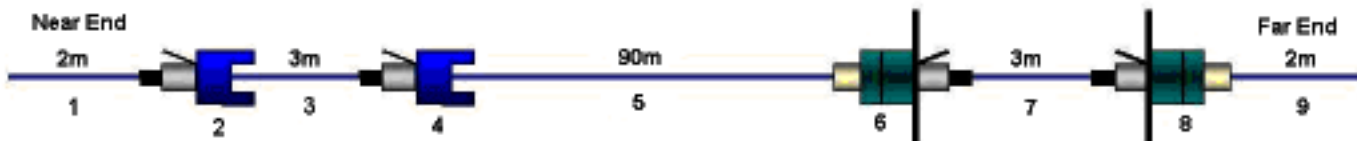
EQUIPMENT LIST:

The following equipment was employed in conducting the tests.

<u>Equipment Used</u>	<u>Model Number</u>	<u>Serial Number</u>	<u>Calibration Date</u>
Hewlett Packard Automatic Cable Test System	HP46152A	3903U01003	03/06/2008

SAMPLE DESCRIPTION:

(4 Connectors channel, bundled in a 6 around 1 configuration)



<u>Component ID</u>	<u>Manufacturer</u>	<u>Part Number</u>	<u>Description</u>
1, 3, 7, 9	Dan-Chief	415U-8-C6A-xx	Cat. 6A UTP Cord
2, 4	Dan-Chief	QA-ABL-C6A	Cat. 6A UTP Keystone Jack
5	Dan-Chief	UTP-4231-C6A	Cat.6A UTP Horizontal Cable
6, 8	Dan-Chief	QPB-24ABL-C6A	Cat. 6A UTP Patch Panel

The samples were received on December 3, 2008 and were in good condition. All samples were selected by an Intertek representative.

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

CONCLUSION:

The channel configuration, as previously described and 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.

These procedures and requirements were taken from the standards referred to on page 1.

Reviewed and Approved By:

Antoine Pelletier
 Antoine Pelletier
 Engineer
 Global Cabling Products Testing

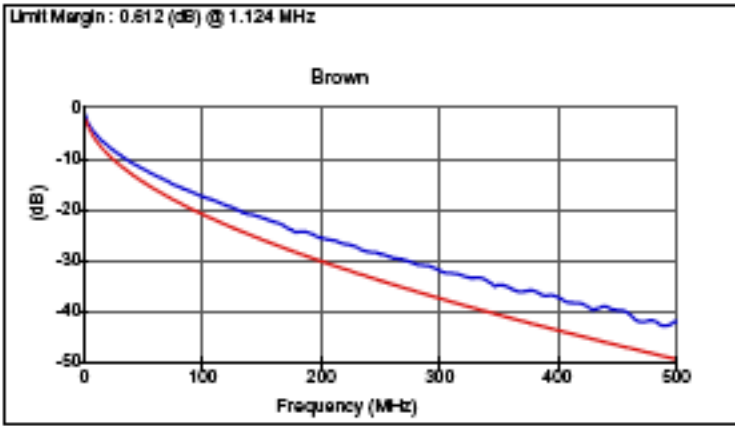
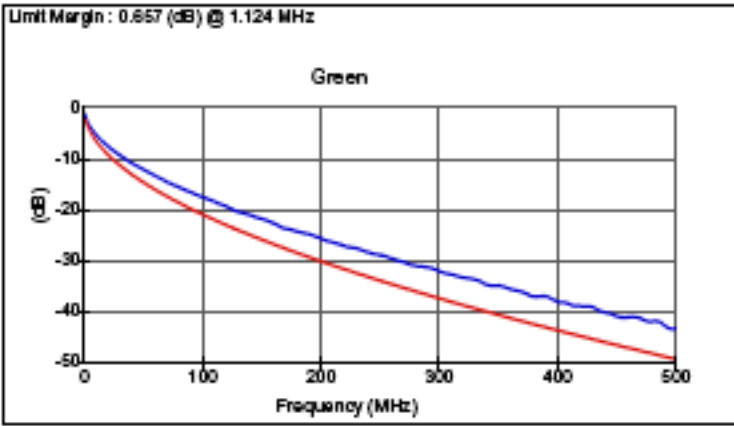
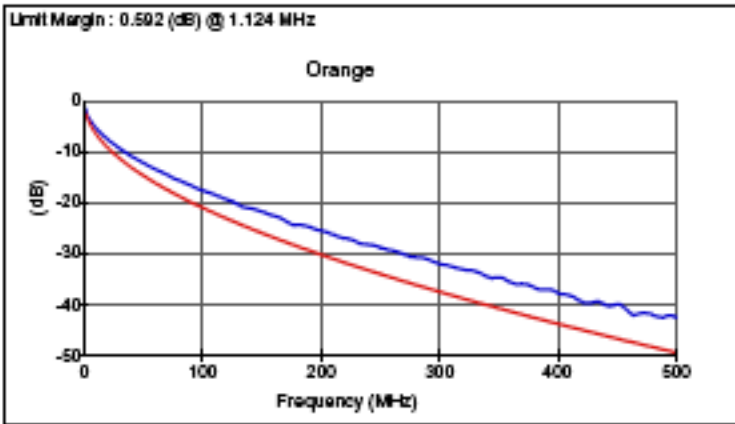
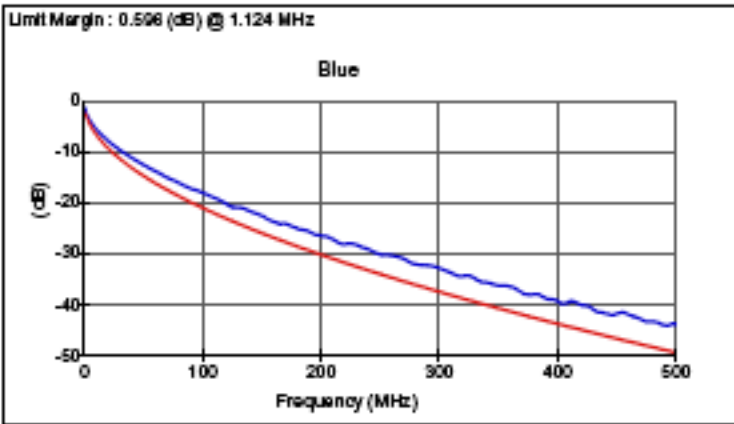
John Cash
 John Cash
 Technician
 Global Cabling Products Testing

Kathy Heath
 Kathy Heath
 Project Coordinator
 Global Cabling Products Testing



Attenuation (Near End)

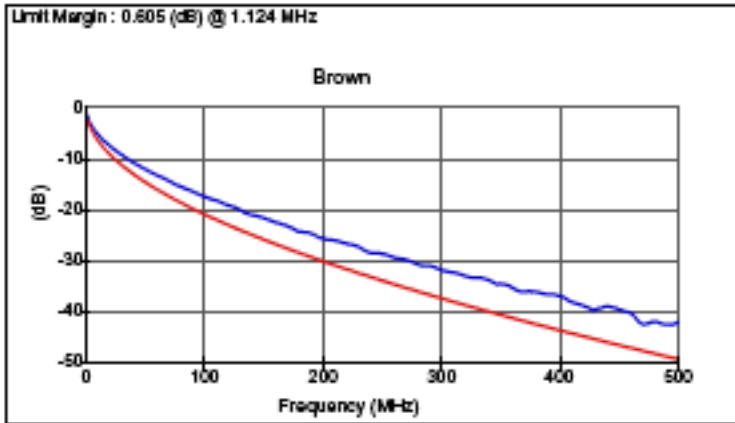
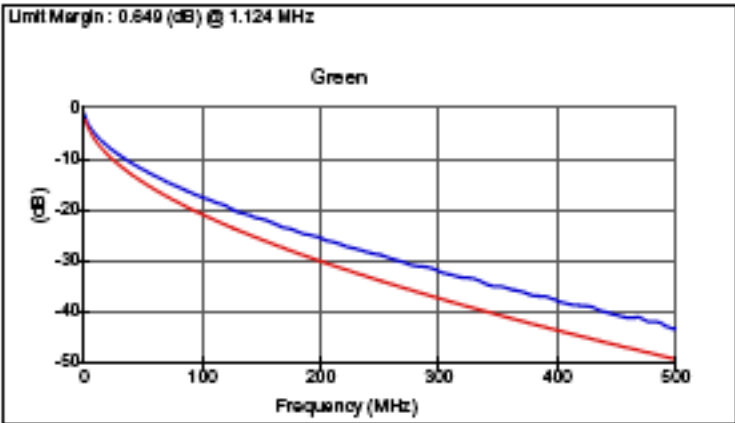
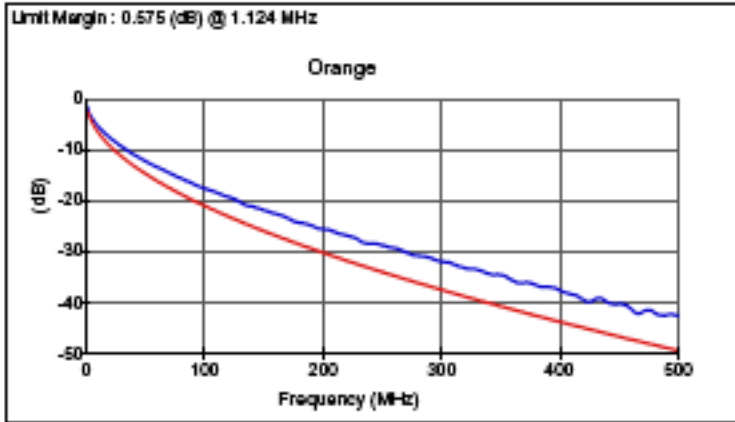
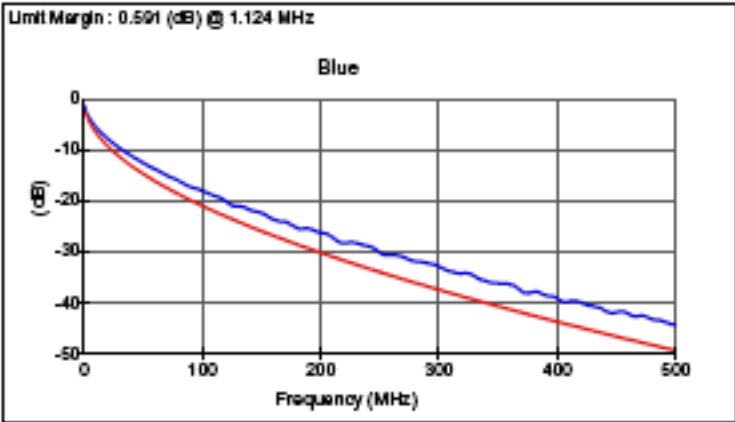
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)	Length(m)	100.
Part No	UTP-4231-C6A	Temperature	20 °C
Test Started	12/17/2008 9:43:47 PM	Appendix	A
Description	4 Connector Channel	Test Status	Complies
Operator Name	John Cash		





Attenuation (Far End)

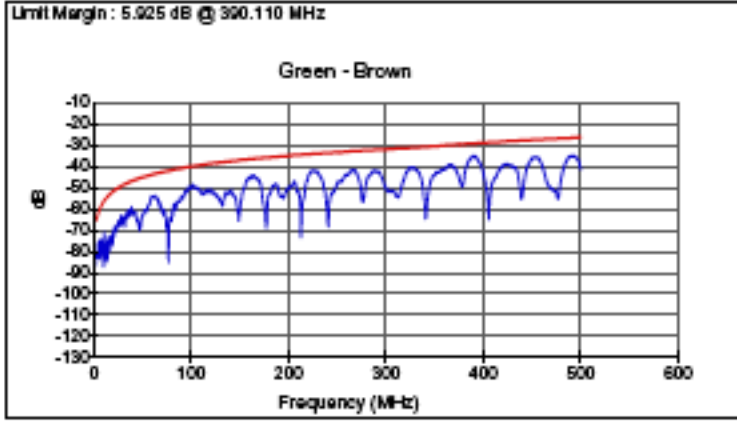
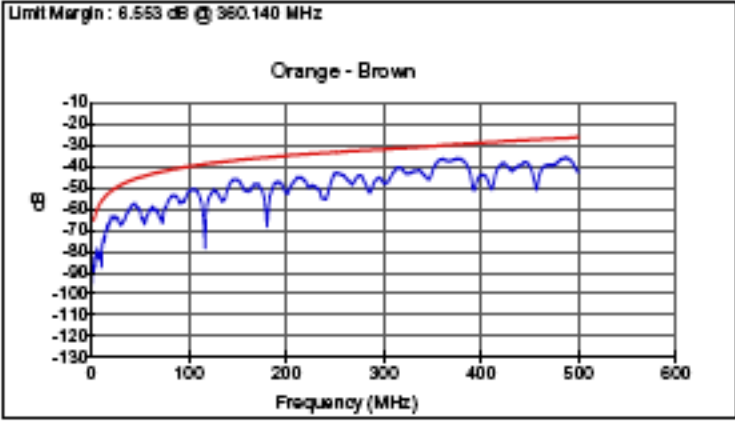
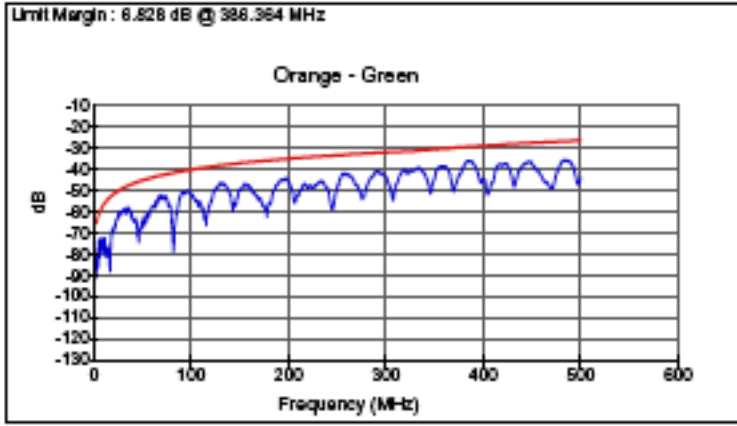
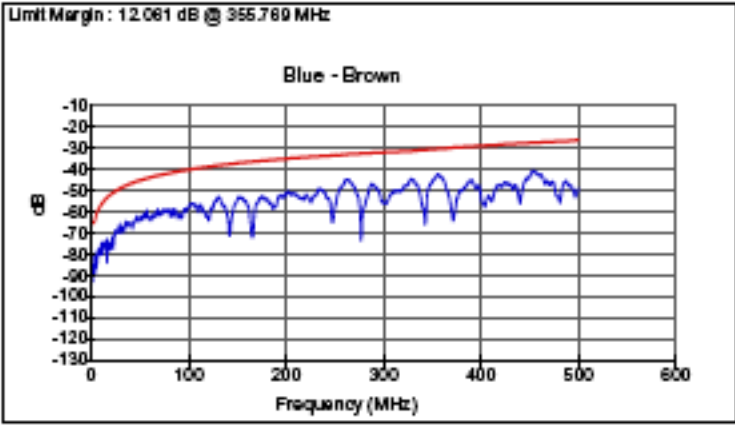
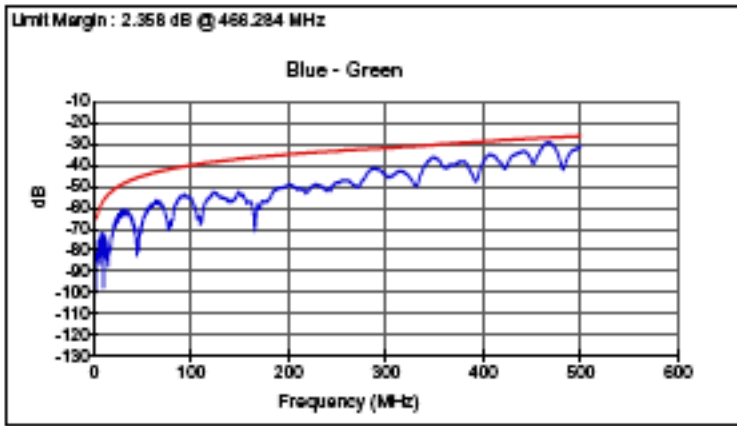
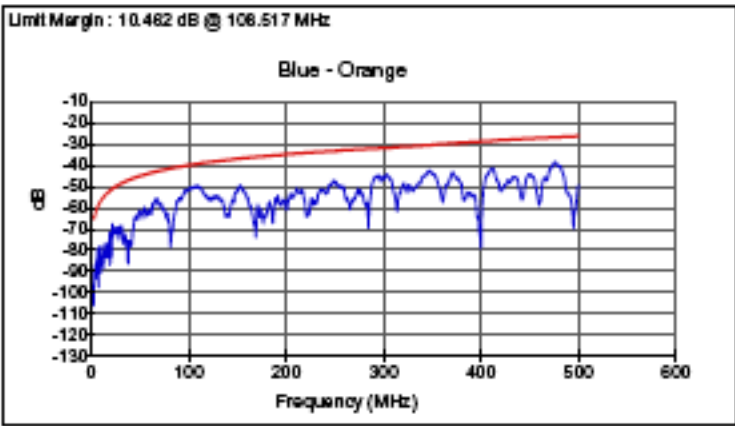
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)	Length(m)	100.
Part No	UTP-4231-C6A	Temperature	20 °C
Test Started	12/17/2008 9:43:47 PM	Appendix	A
Description	4 Connector Channel	Test Status	Complies
Operator Name	John Cash		





Near End Cross Talk (Near End)

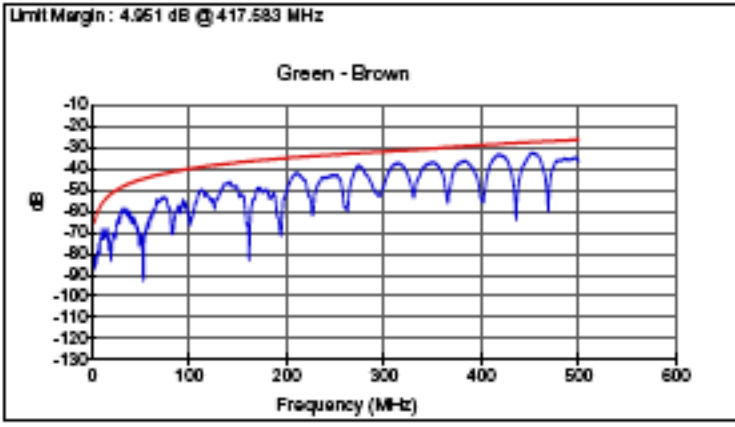
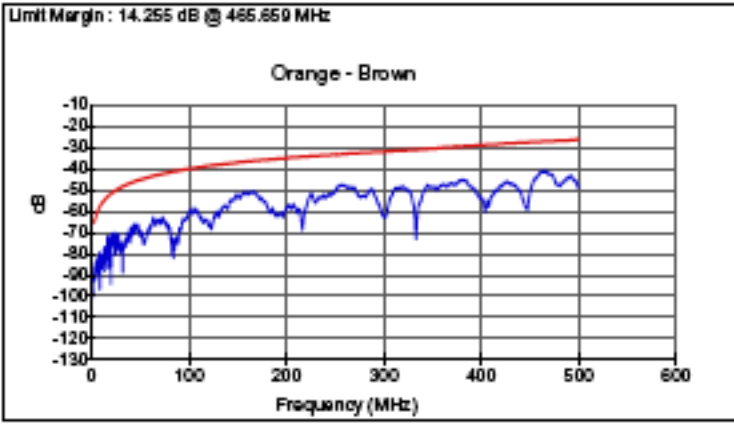
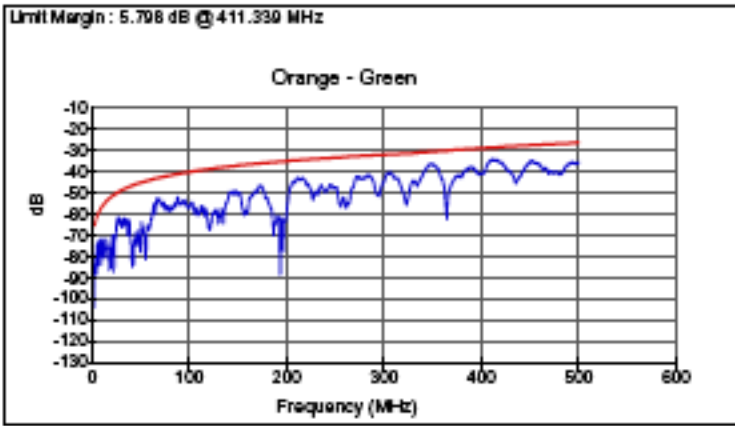
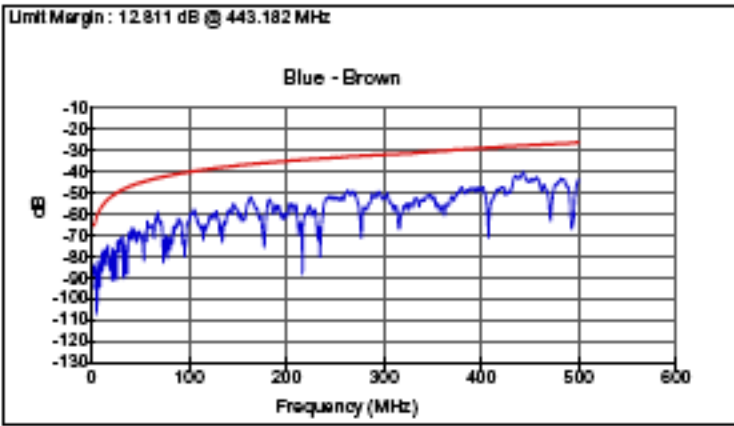
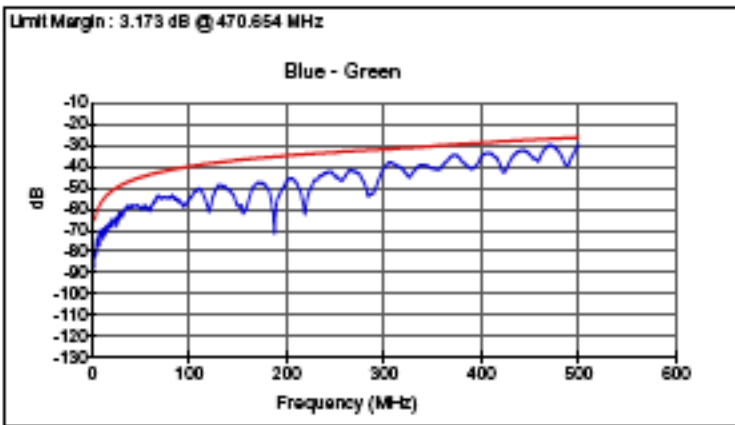
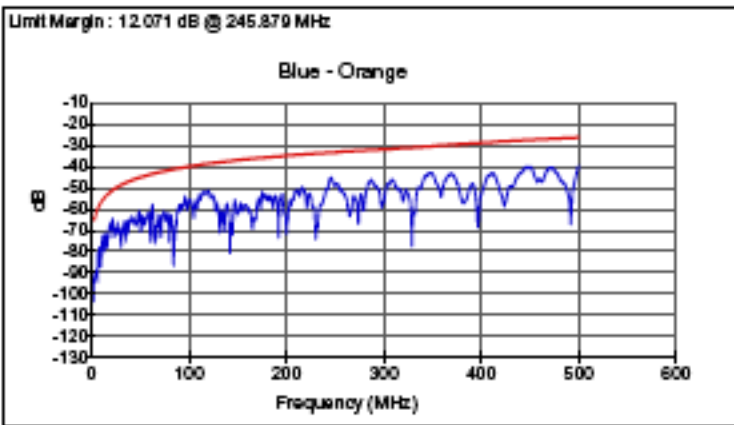
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)	Length(m)	100.
Part No	UTP-4231-C6A	Temperature	20 °C
Test Started	12/17/2008 9:43:47 PM	Appendix	A
Description	4 Connector Channel	Test Status	Complies
Operator Name	John Cash		





Near End Cross Talk (Far End)

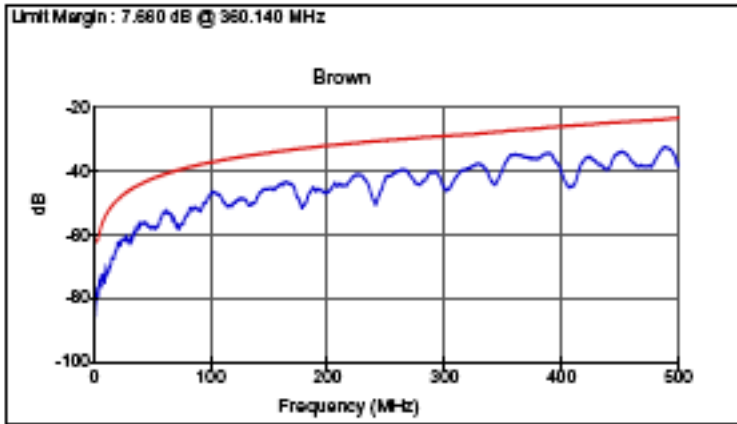
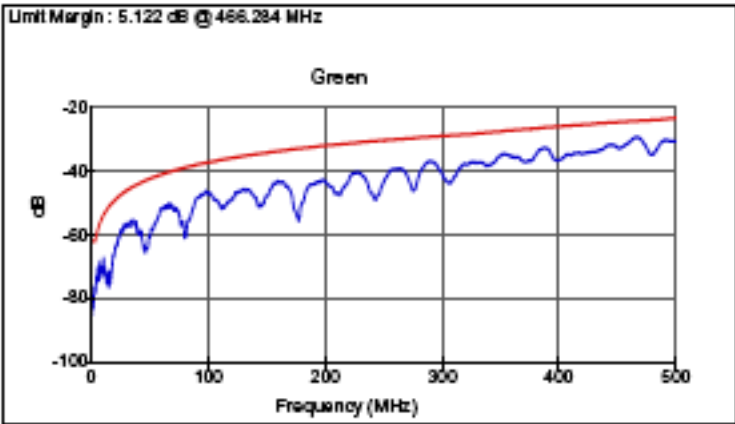
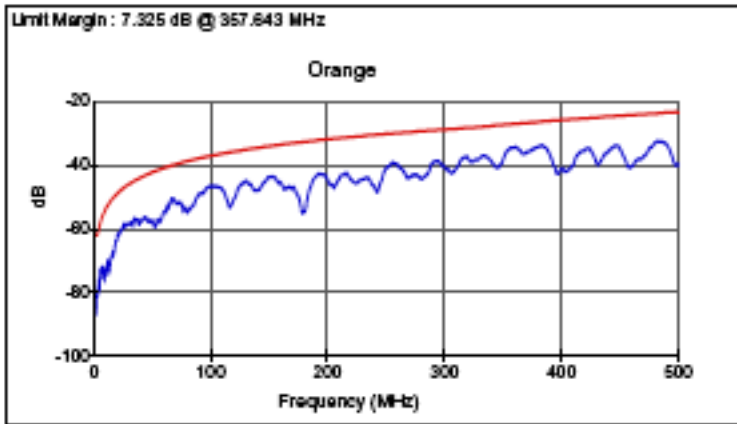
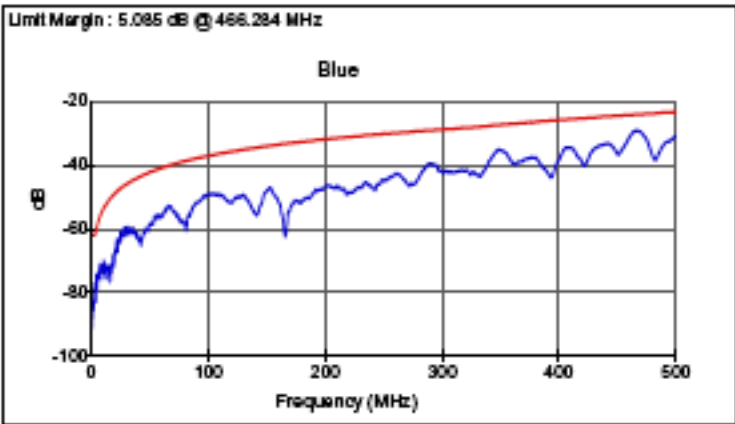
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Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)	Length(m)	100.
Part No	UTP-4231-C6A	Temperature	20 °C
Test Started	12/17/2008 9:43:47 PM	Appendix	A
Description	4 Connector Channel	Test Status	Complies
Operator Name	John Cash		





Power Sum NEXT (Near End)

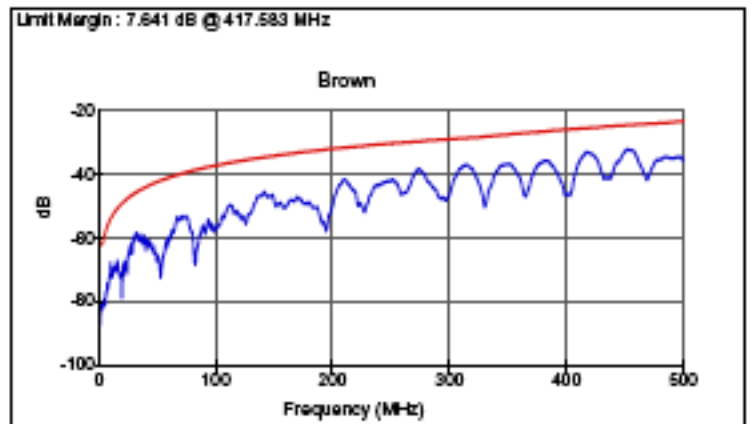
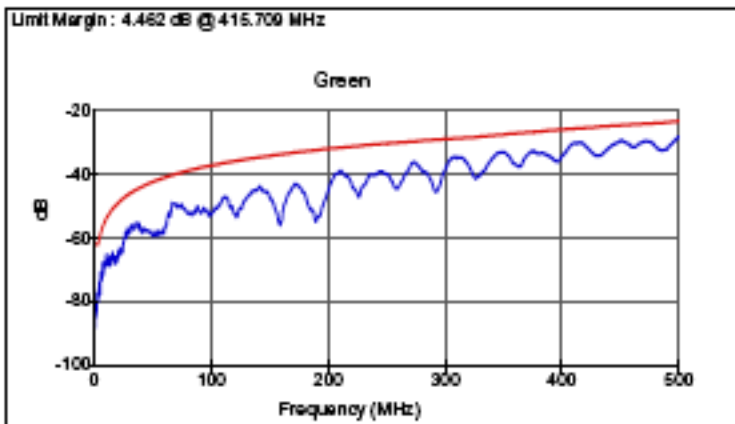
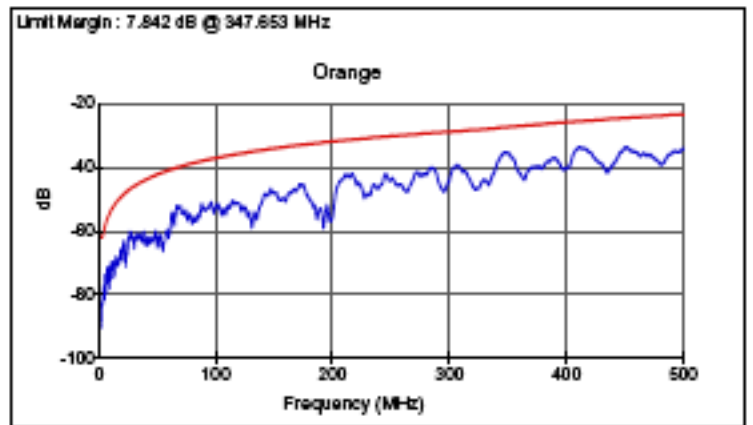
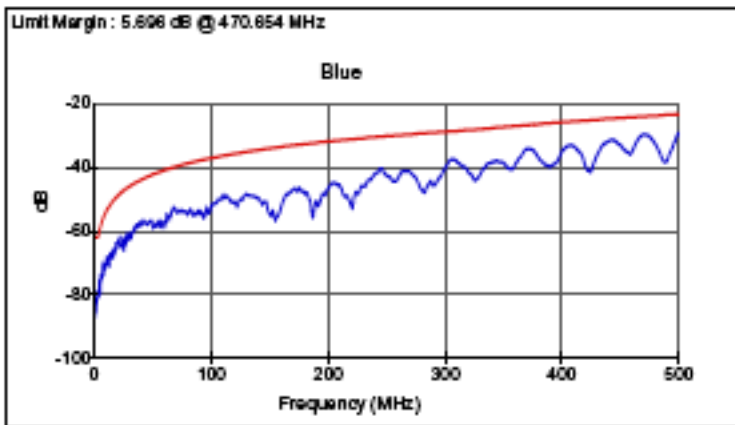
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)		
Part No	UTP-4231-C6A	Length(m)	100.
Test Started	12/17/2008 9:43:47 PM	Temperature	20 °C
Description	4 Connector Channel	Appendix	A
Operator Name	John Cash	Test Status	Complies





Power Sum NEXT (Far End)

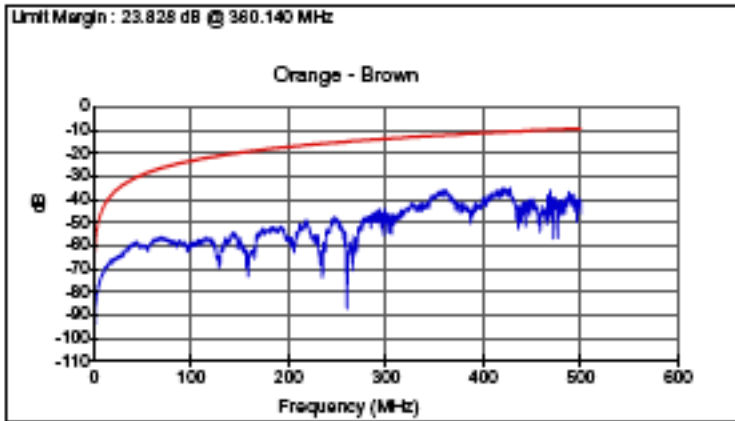
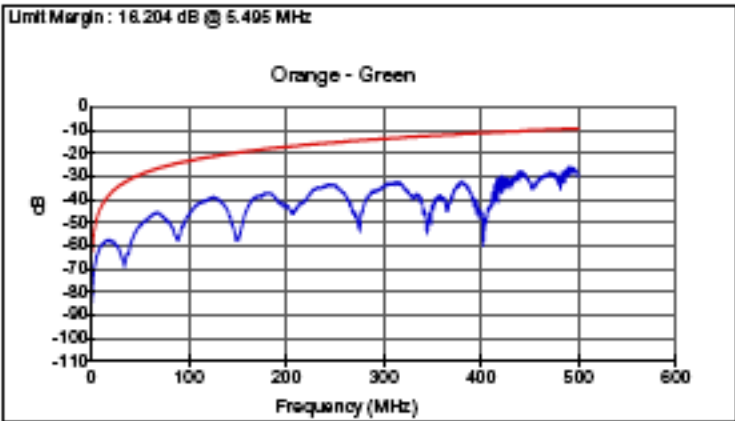
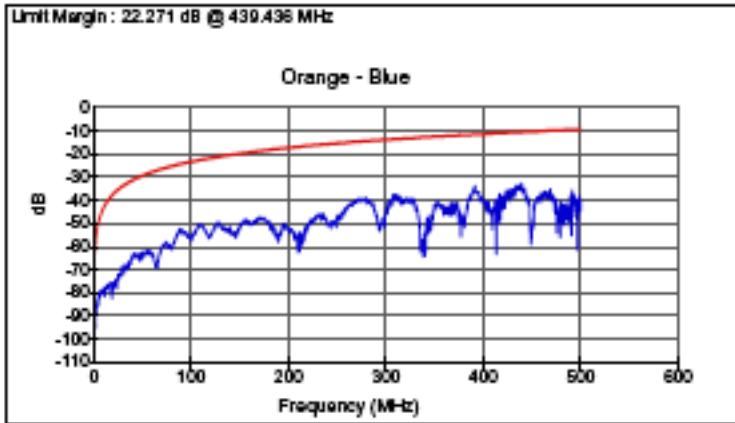
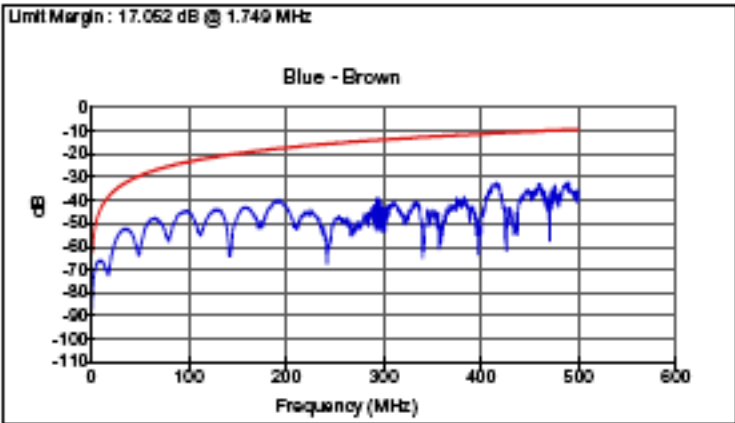
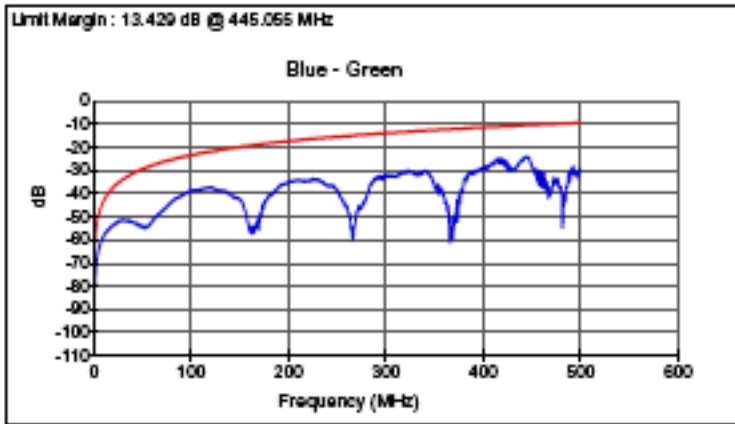
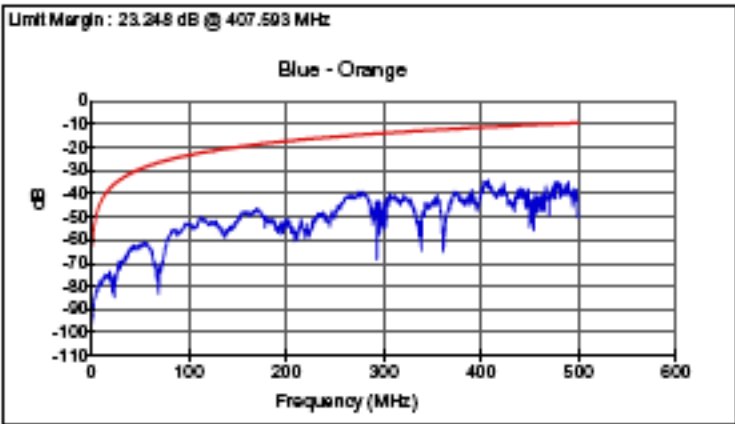
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)	Length(m)	100.
Part No	UTP-4231-C6A	Temperature	20 °C
Test Started	12/17/2008 9:43:47 PM	Appendix	A
Description	4 Connector Channel	Test Status	Complies
Operator Name	John Cash		





ELFEXT/ACRF (Near End)

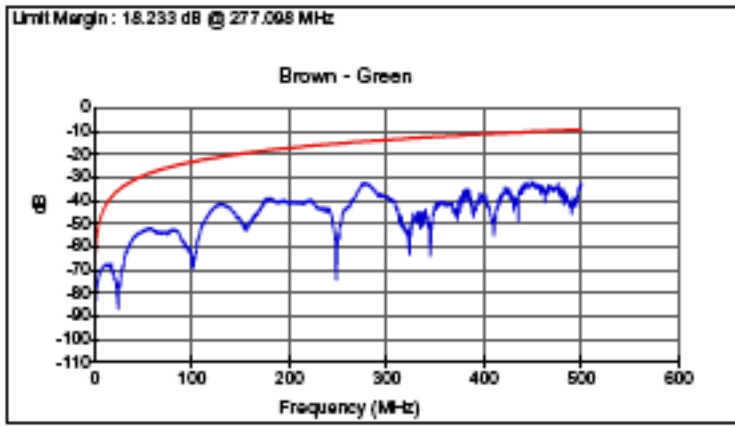
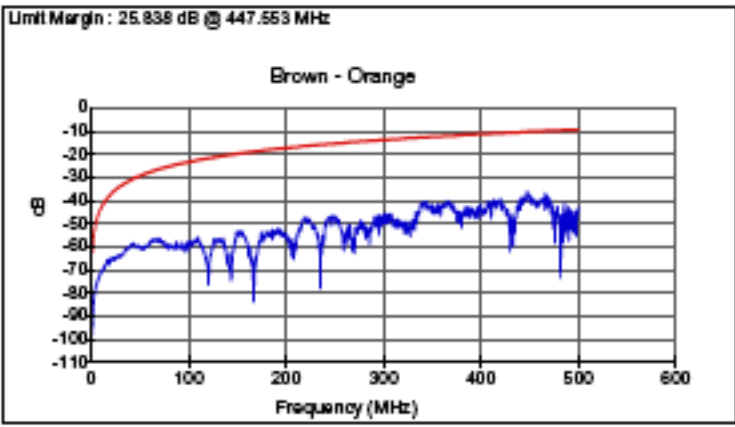
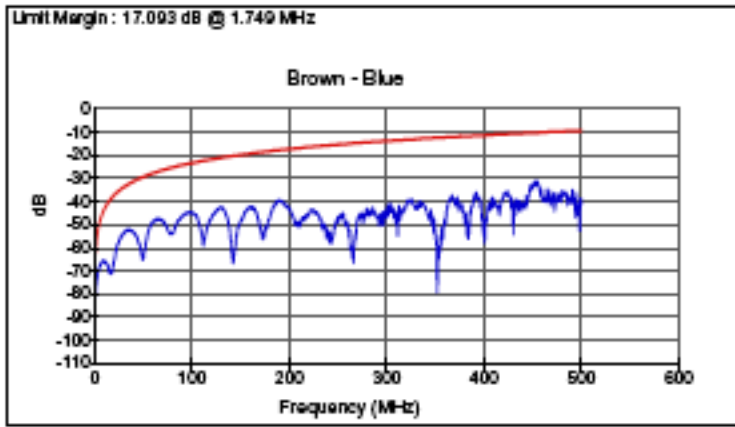
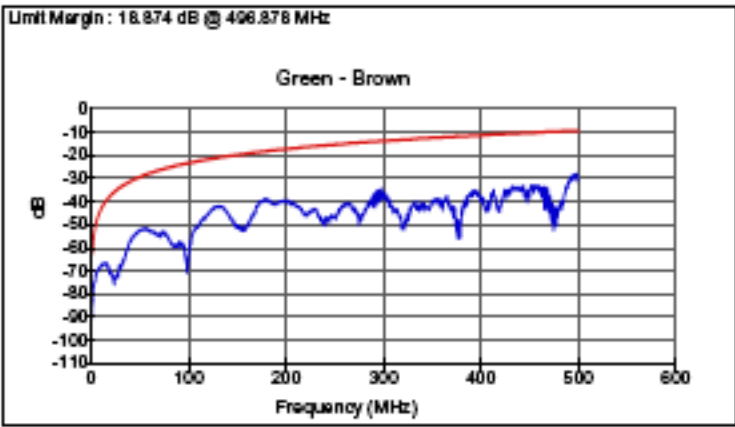
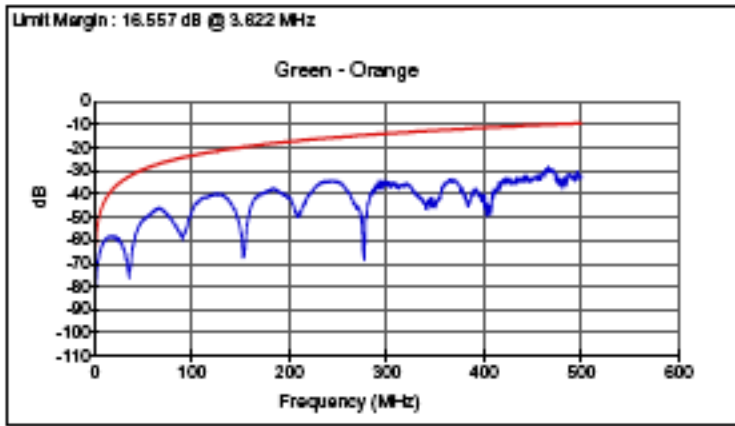
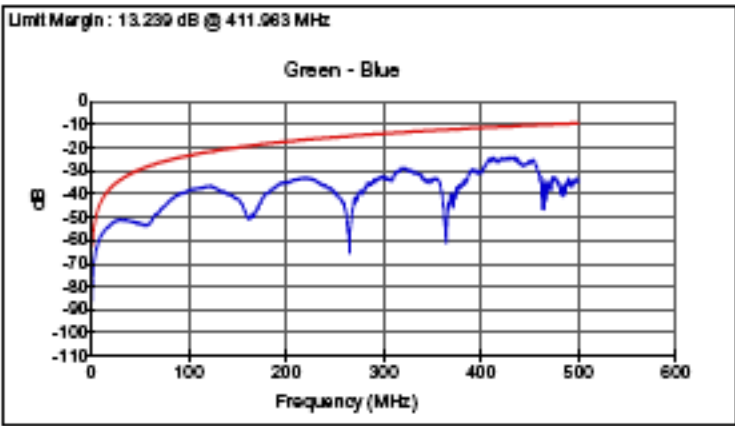
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Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)	Length(m)	100.
Part No	UTP-4231-C6A	Temperature	20 °C
Test Started	12/17/2008 9:43:47 PM	Appendix	A
Description	4 Connector Channel	Test Status	Complies
Operator Name	John Cash		





ELFEXT/ACRF (Near End)

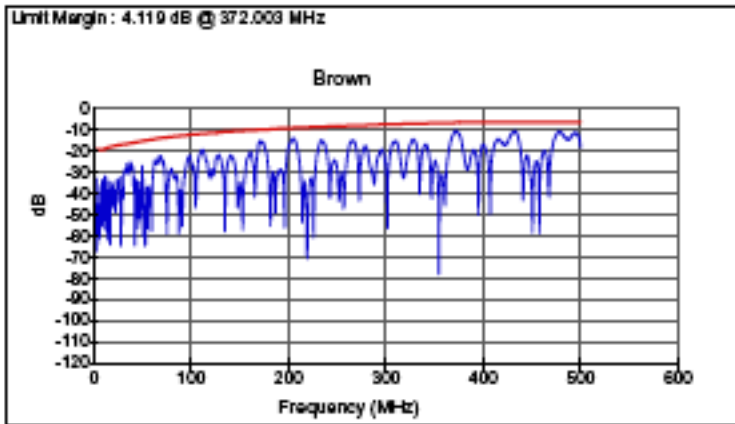
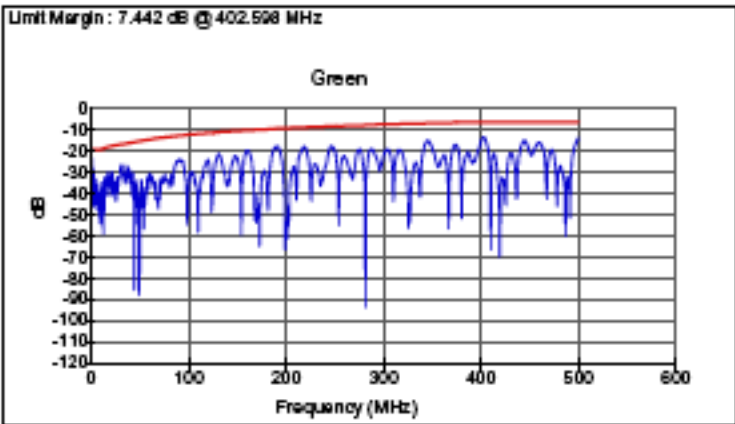
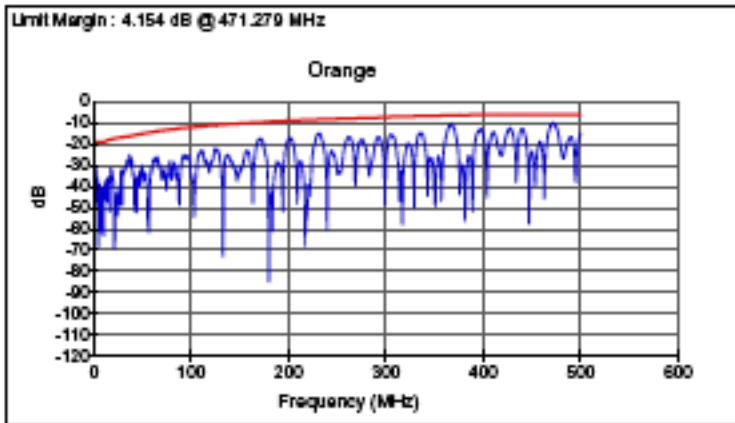
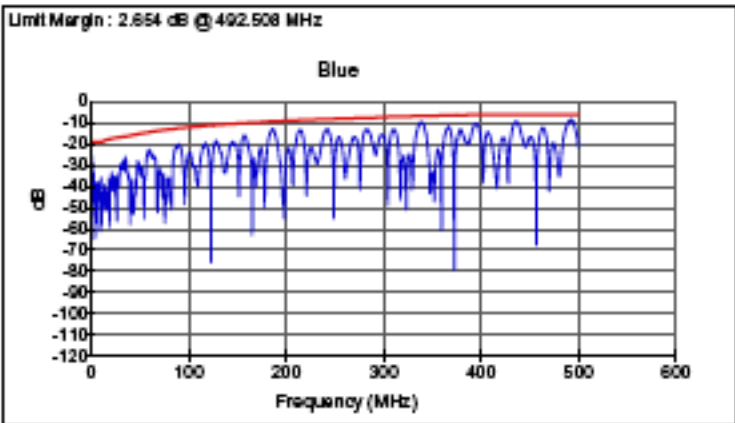
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)		
Part No	UTP-4231-C6A	Length(m)	100.
Test Started	12/17/2008 9:43:47 PM	Temperature	20 °C
Description	4 Connector Channel	Appendix	A
Operator Name	John Cash	Test Status	Complies





Return Loss (Near End)

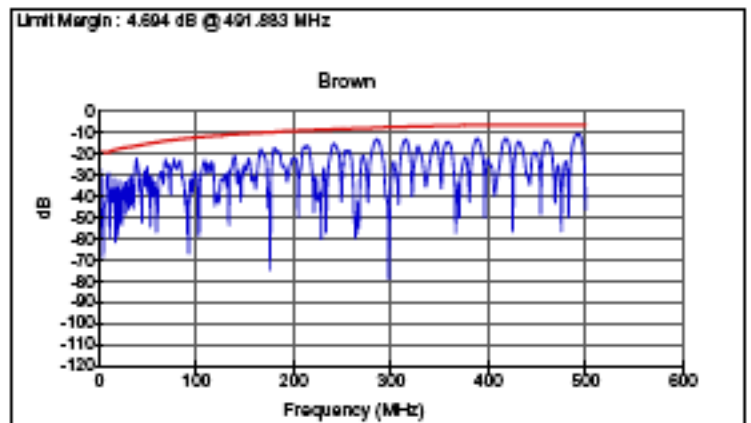
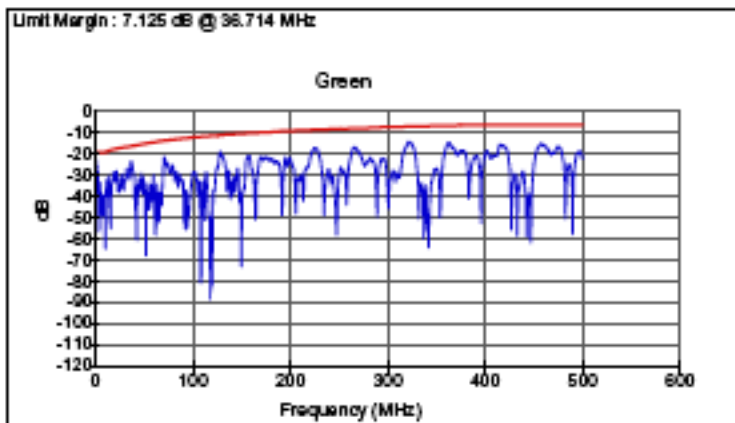
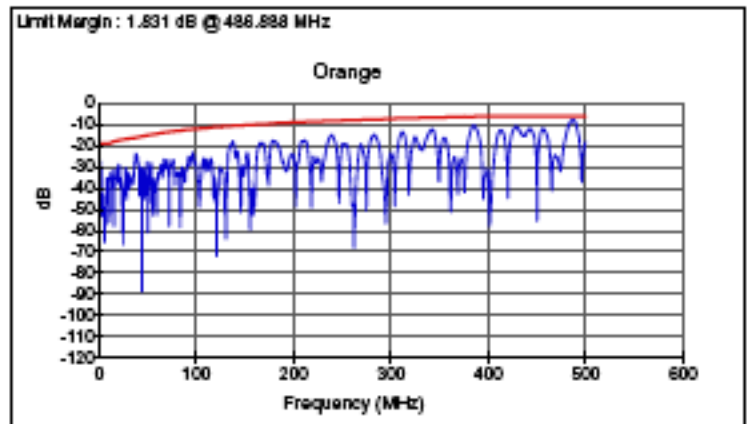
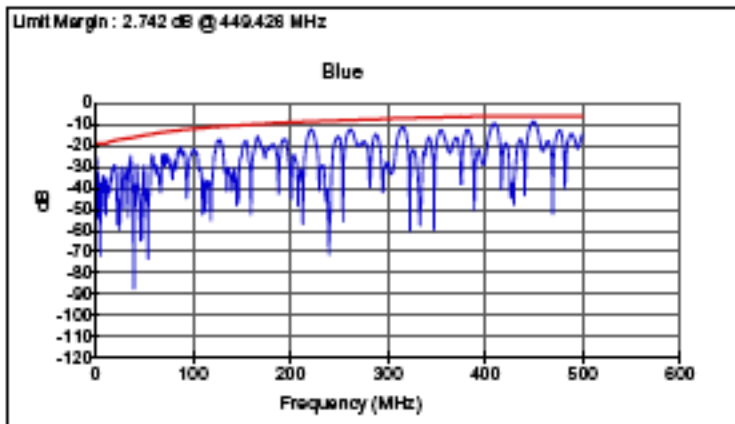
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)	Length(m)	100.
Part No	UTP-4231-C6A	Temperature	20 °C
Test Started	12/17/2008 9:43:47 PM	Appendix	A
Description	4 Connector Channel	Test Status	Complies
Operator Name	John Cash		





Return Loss (Far End)

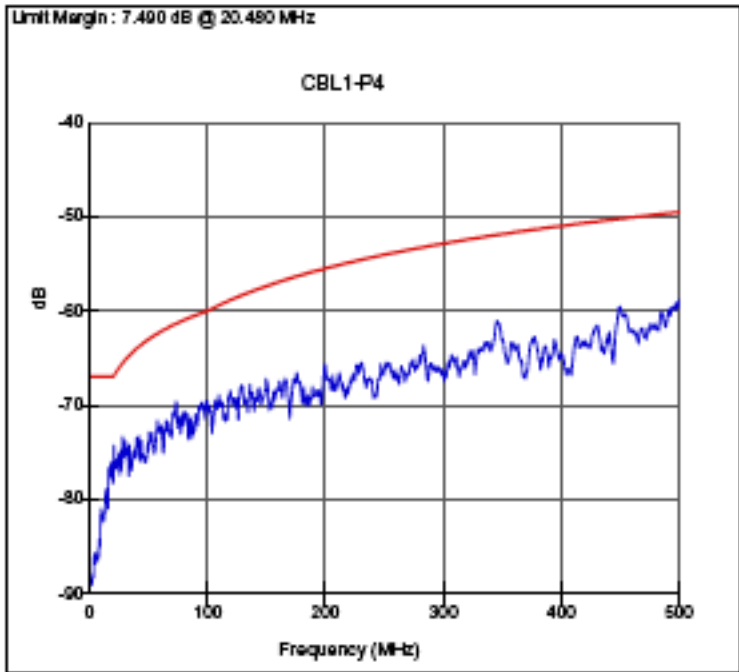
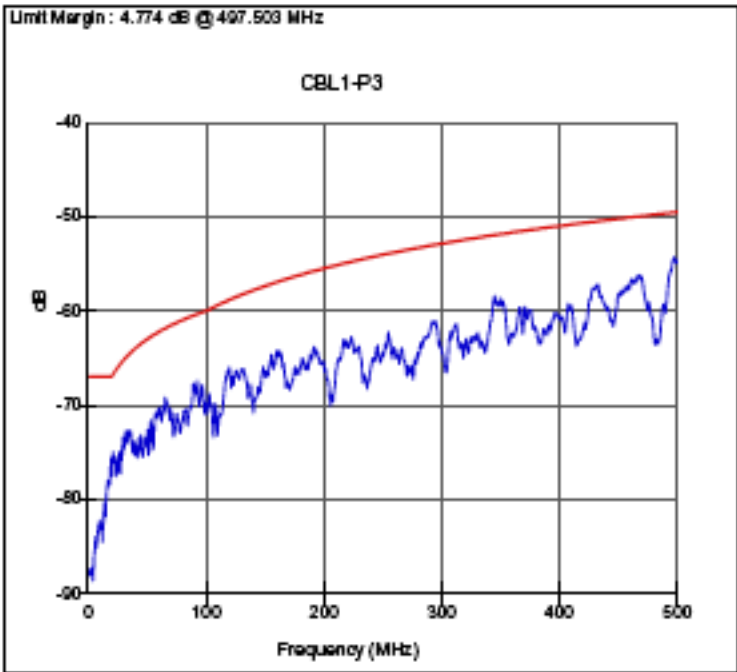
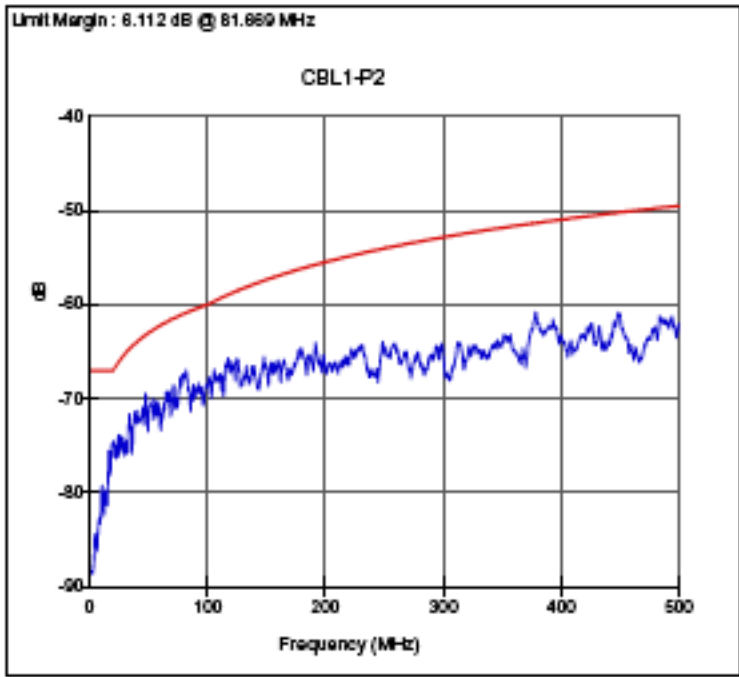
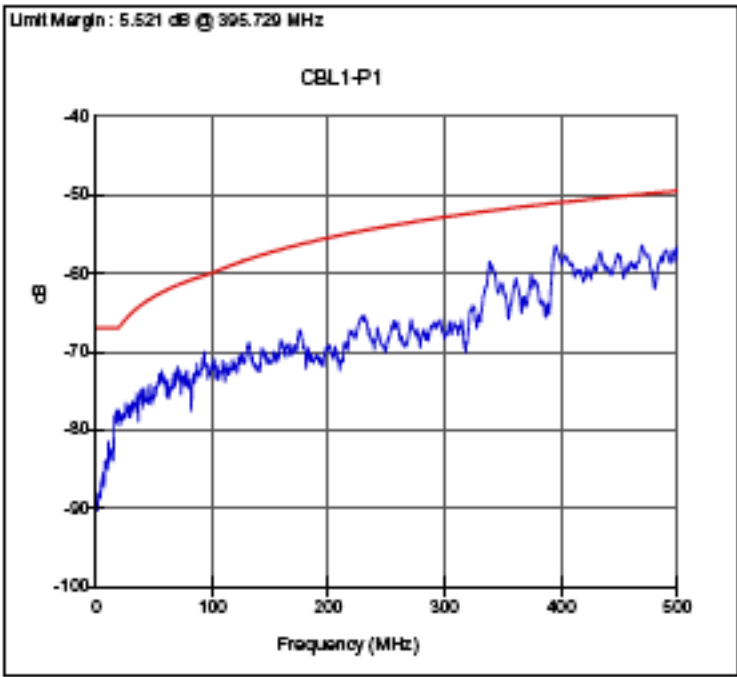
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)	Length(m)	100.
Part No	UTP-4231-C6A	Temperature	20 °C
Test Started	12/17/2008 9:43:47 PM	Appendix	A
Description	4 Connector Channel	Test Status	Complies
Operator Name	John Cash		





ANEXT (PowerSum) Near

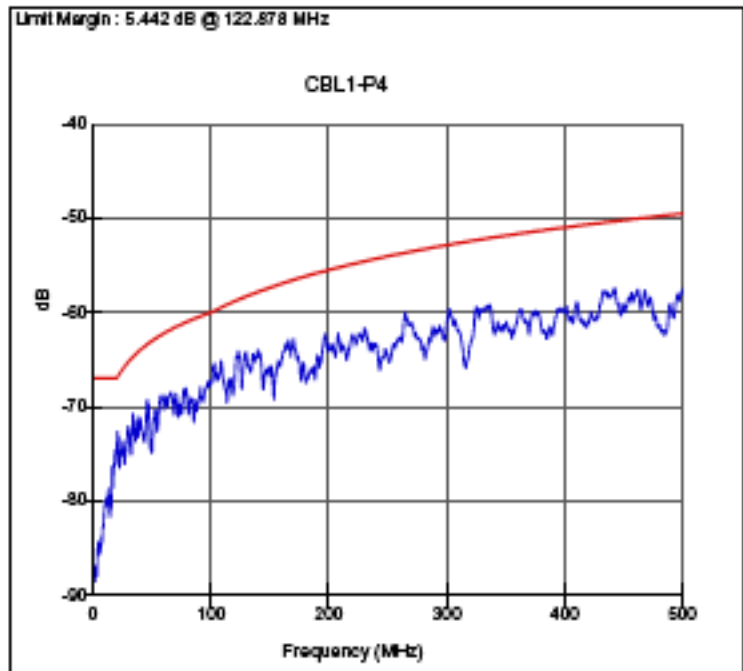
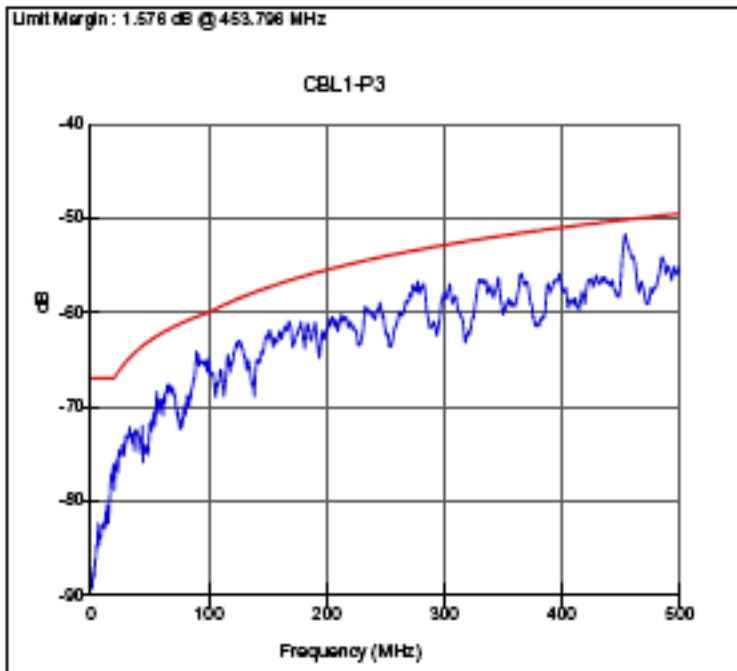
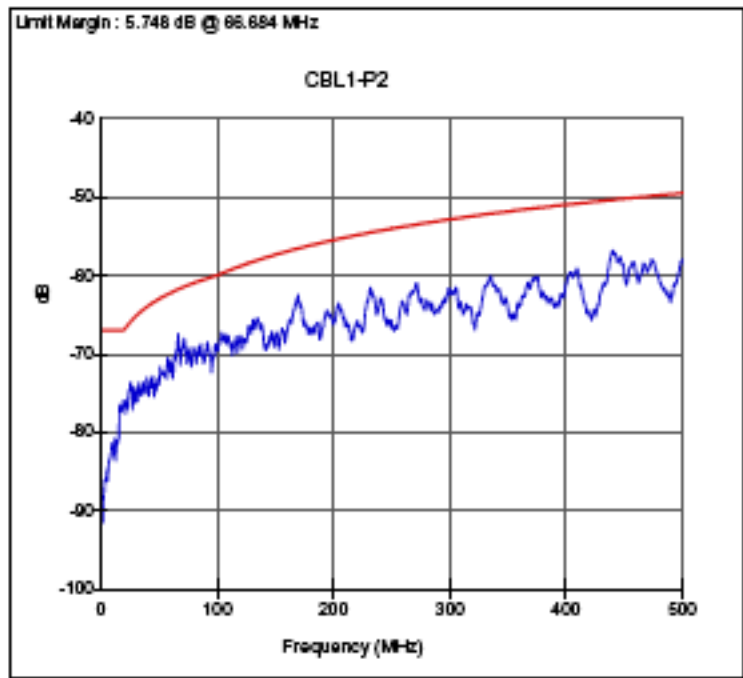
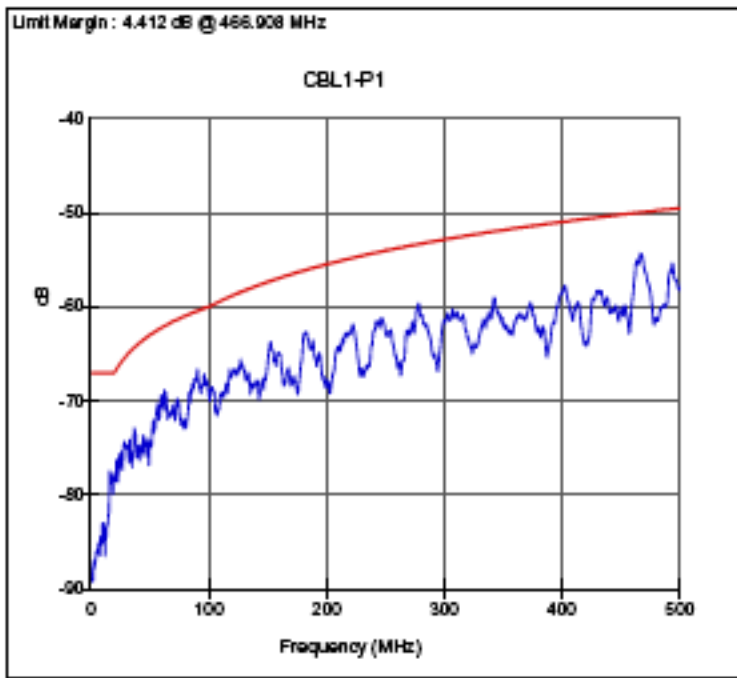
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)		
Part No	UTP-4231-C6A	Length(m)	100.
Test Started	12/17/2008 10:41:02 PM	Temperature	20 °C
Description	4 Connector Channel	Appendix	B
Operator Name	Development	Test Status	Complies





ANEXT (PowerSum) Far

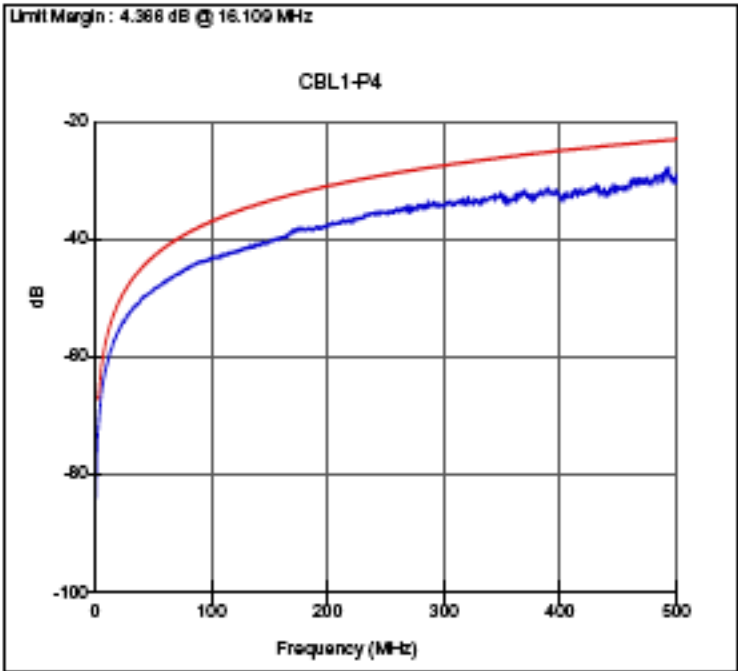
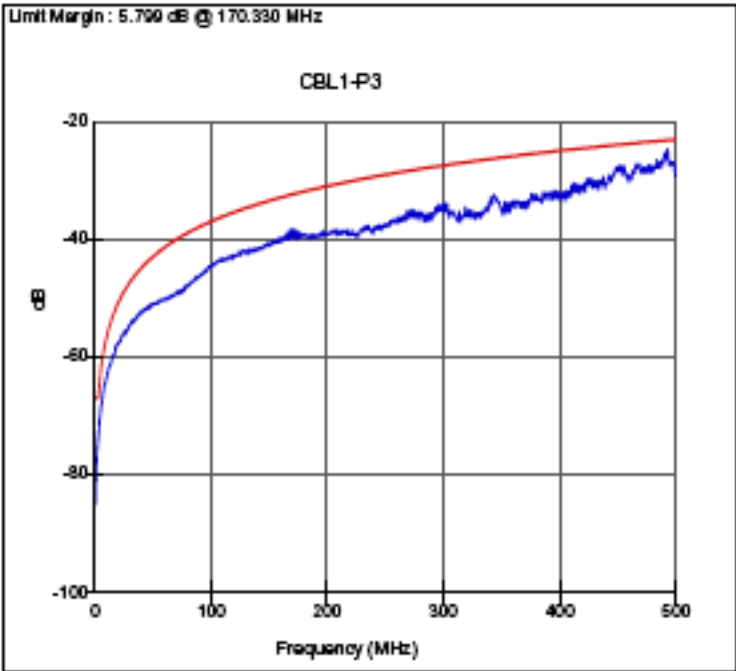
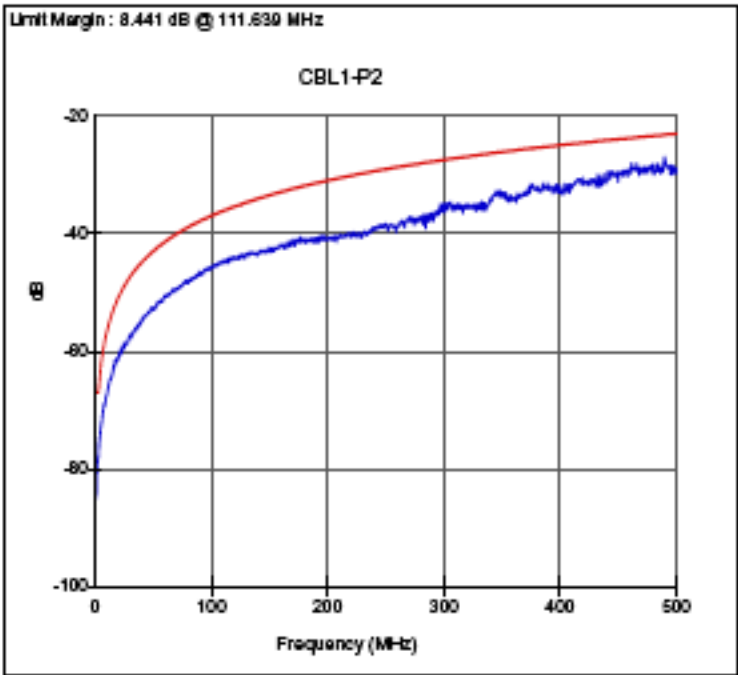
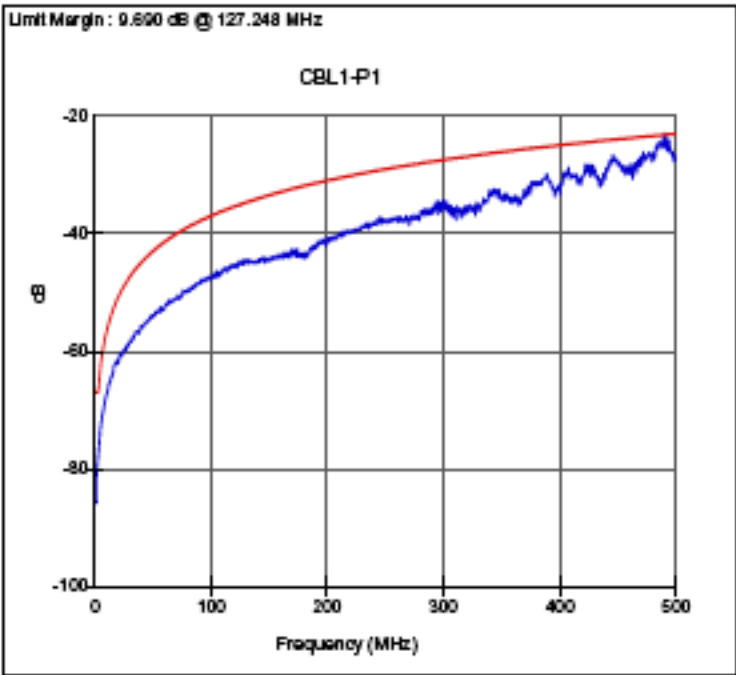
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)	Length(m)	100.
Part No	UTP-4231-C6A	Temperature	20 °C
Test Started	12/17/2008 10:41:02 PM	Appendix	B
Description	4 Connector Channel	Test Status	Complies
Operator Name	Development		





PSAACRF Near

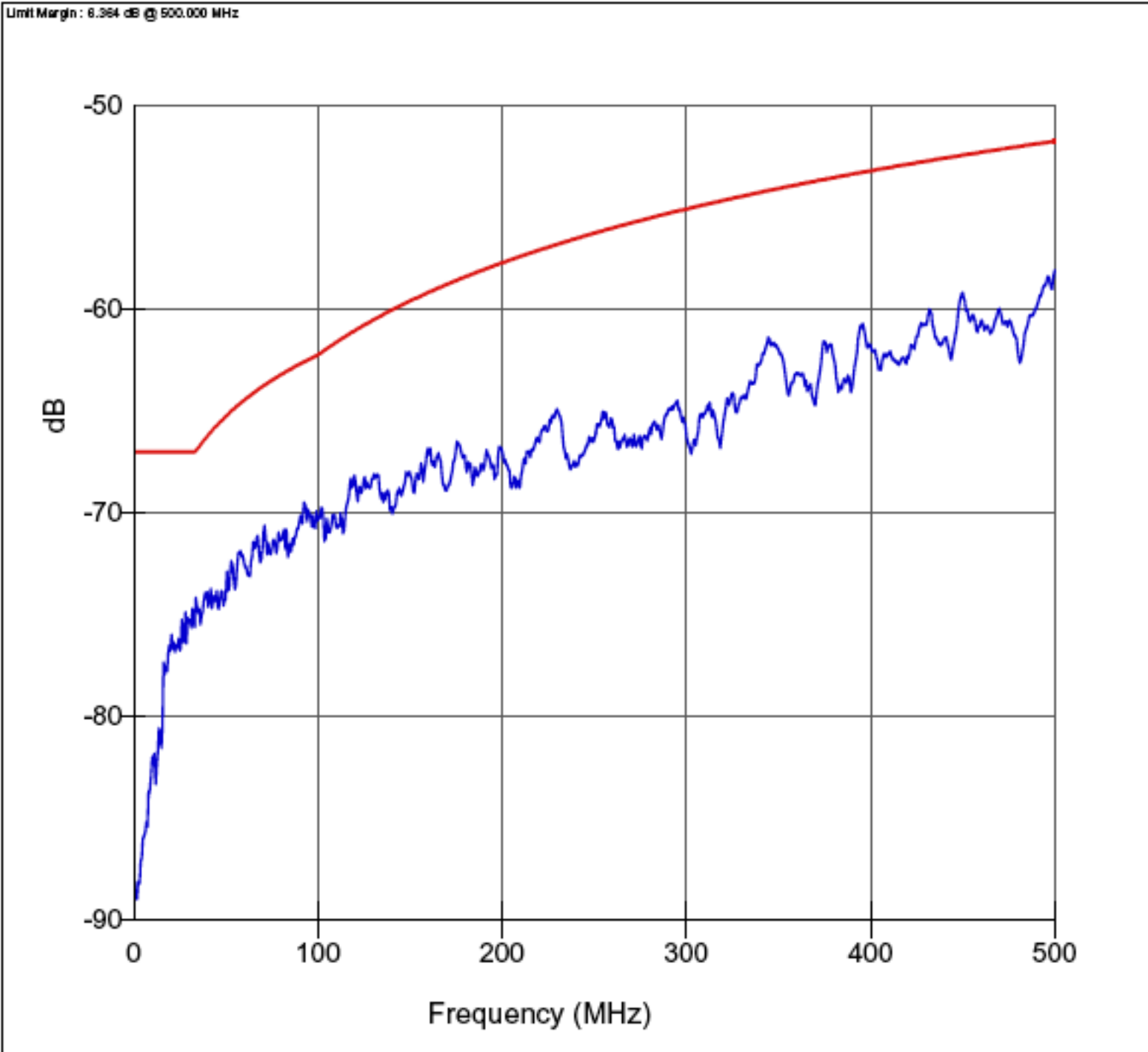
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)	Length(m)	100.
Part No	UTP-4231-C6A	Temperature	20 °C
Test Started	12/17/2008 10:41:02 PM	Appendix	B
Description	4 Connector Channel	Test Status	Complies
Operator Name	Development		





ANEXT (PowerSum Average) Near

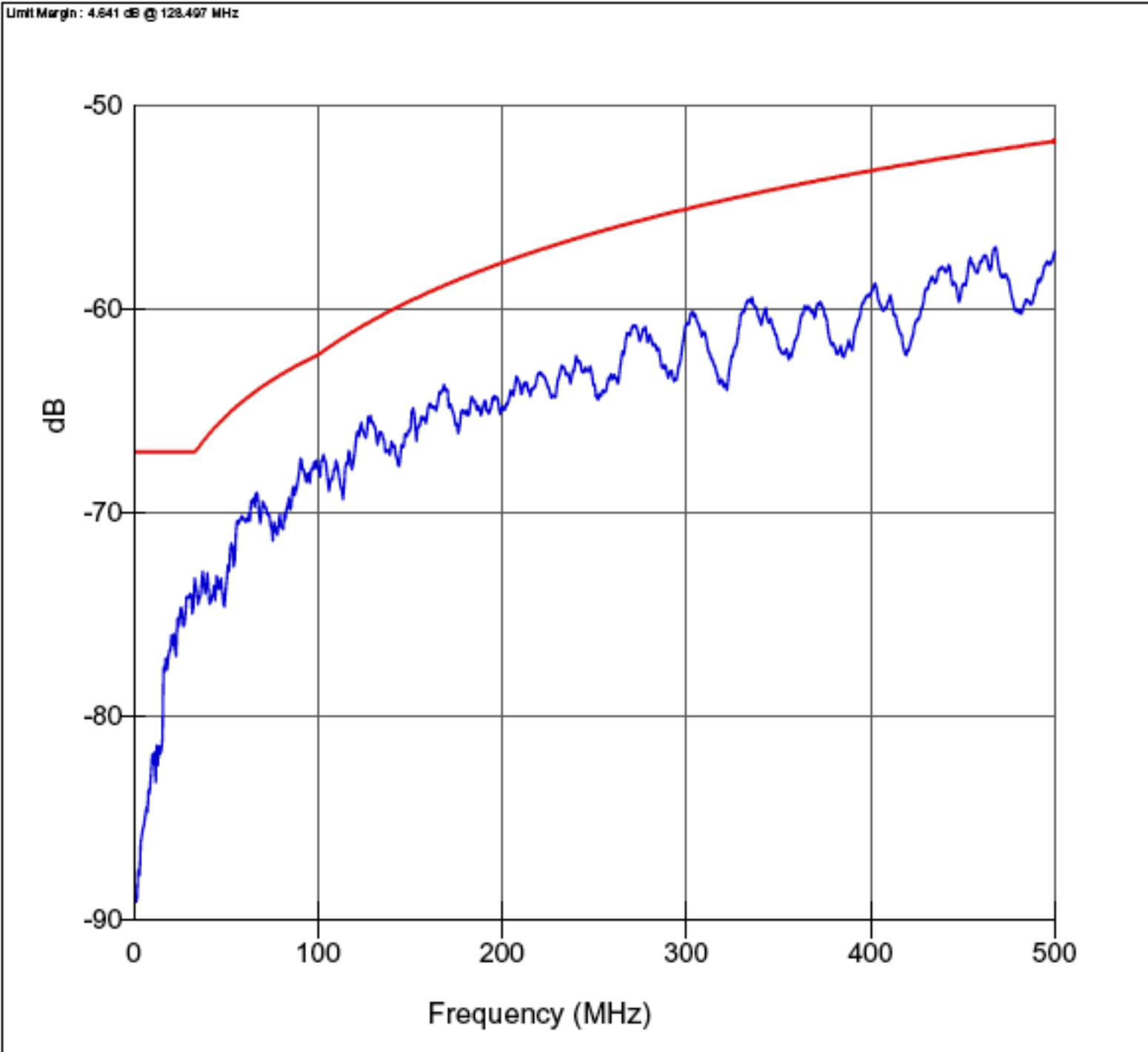
Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)		
Part No	UTP-4231-C6A	Length(m)	100.
Test Started	12/17/2008 10:41:02 PM	Temperature	20 °C
Description	4 Connector Channel	Appendix	B
Operator Name	Development	Test Status	Complies





ANEXT (PowerSum Average) Far

Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)		
Part No	UTP-4231-C6A	Length(m)	100.
Test Started	12/17/2008 10:41:02 PM	Temperature	20 °C
Description	4 Connector Channel	Appendix	B
Operator Name	Development	Test Status	Complies





PSAACRF (Average) Near

Client	Dan-Chief	Project No	3154740CRT-010
Specification	TIA 568B2-10 - Augmented Cat 6 (Channel)		
Part No	UTP-4231-C6A	Length(m)	100.
Test Started	12/17/2008 10:41:02 PM	Temperature	20 °C
Description	4 Connector Channel	Appendix	B
Operator Name	Development	Test Status	Complies

