

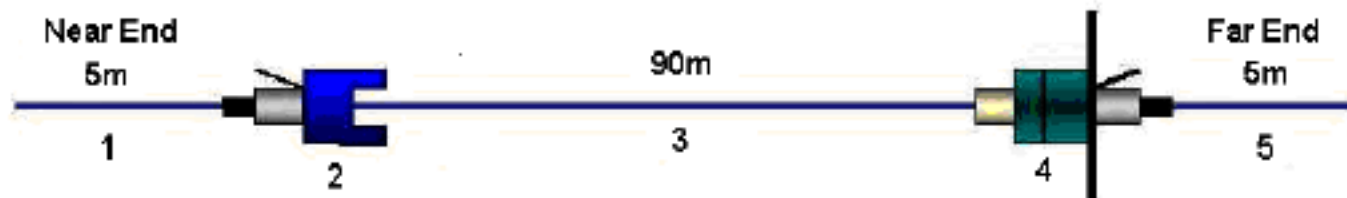
EQUIPMENT LIST:

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:

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



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

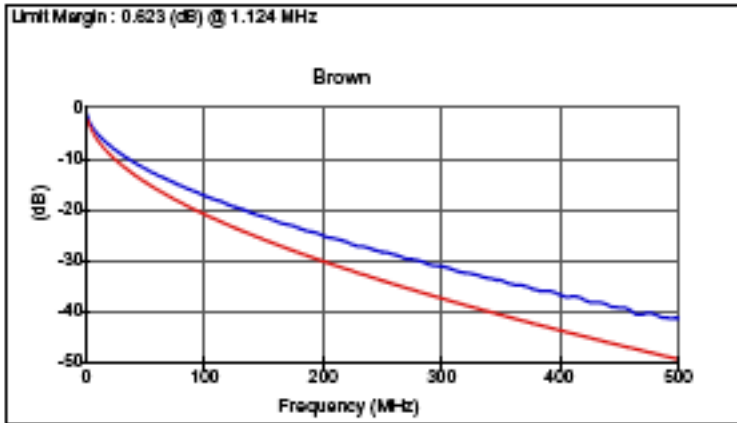
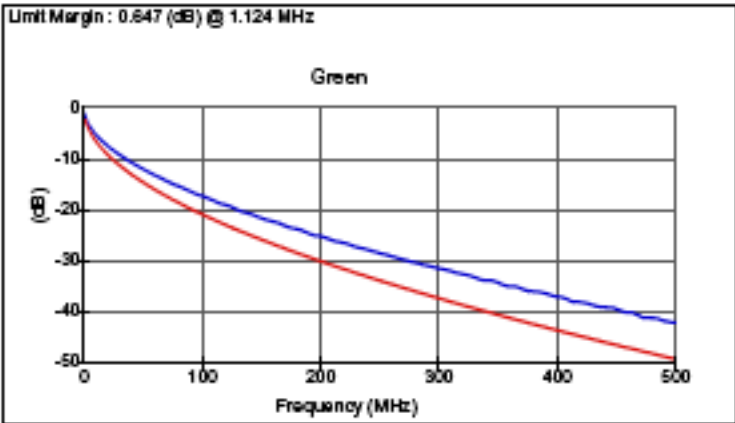
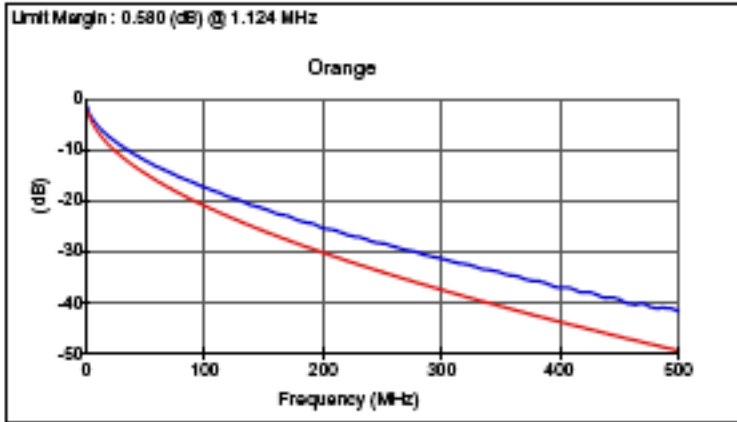
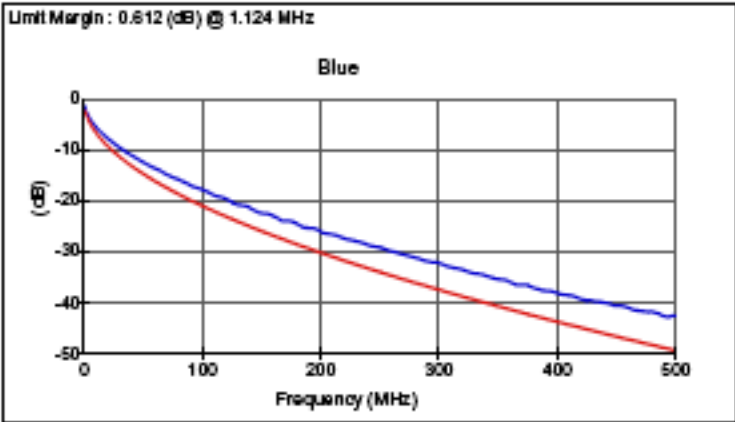
John Cash
 John Cash
 Technician
 Global Cabling Products Testing

Kathy Heath
 Kathy Heath
 Project Coordinator
 Global Cabling Products Testing



Attenuation (Far End)

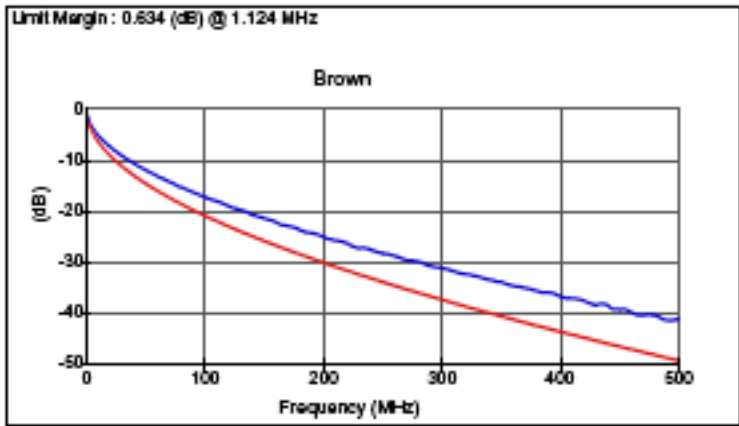
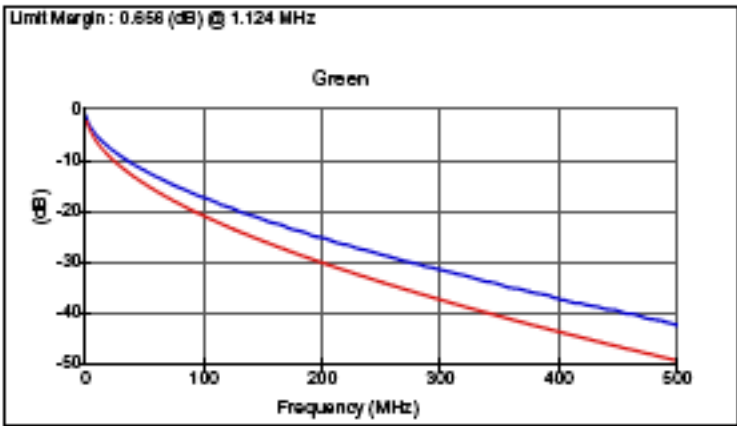
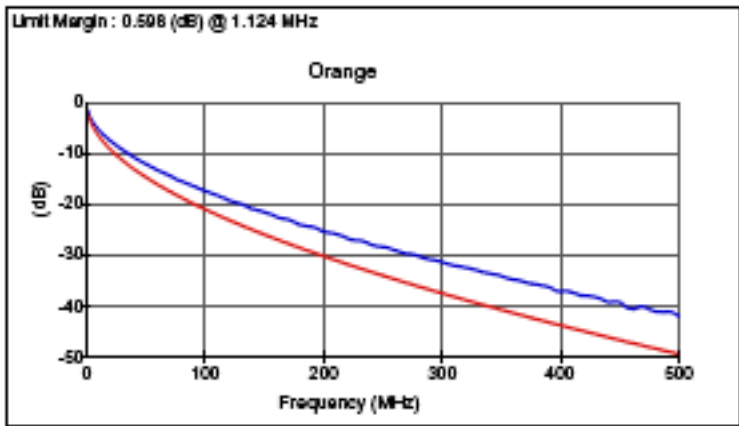
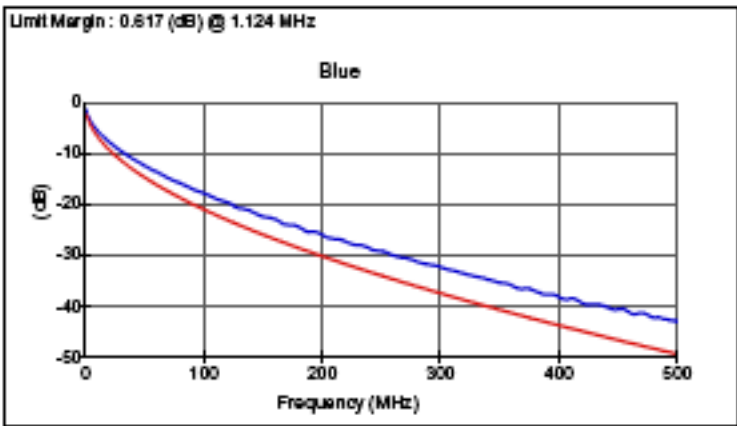
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|----------------------|--|--------------------|-----------------|
| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 10:14:04 AM | Appendix | A |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | John Cash | | |





Attenuation (Near End)

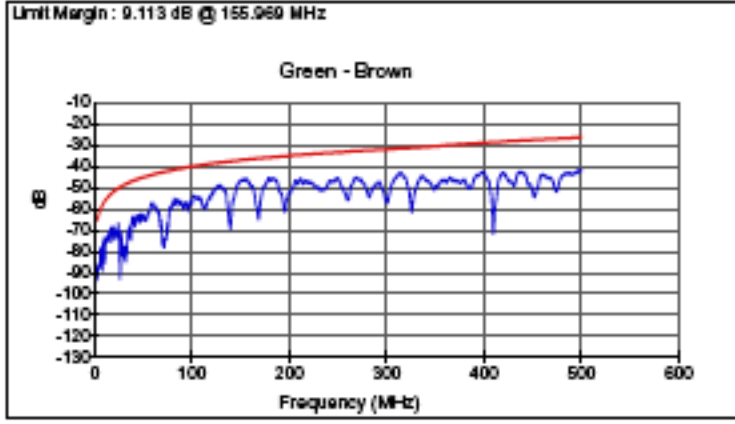
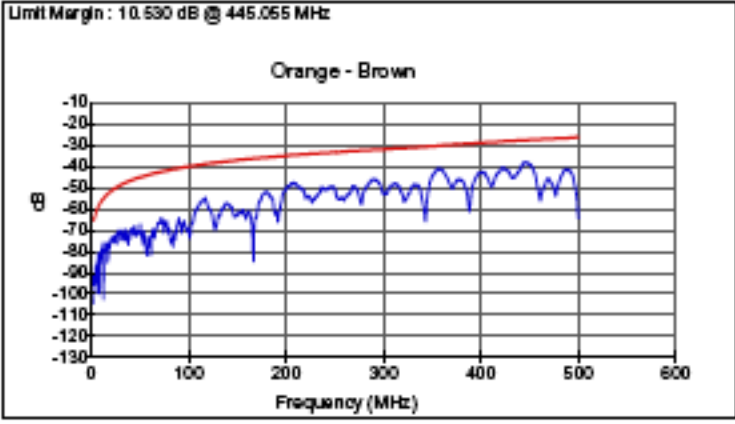
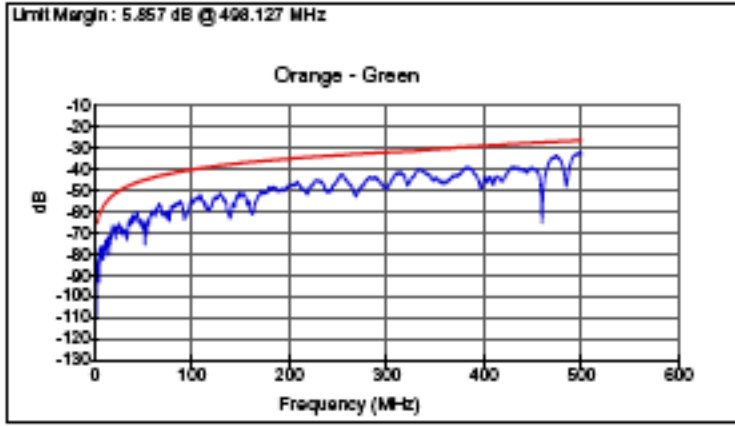
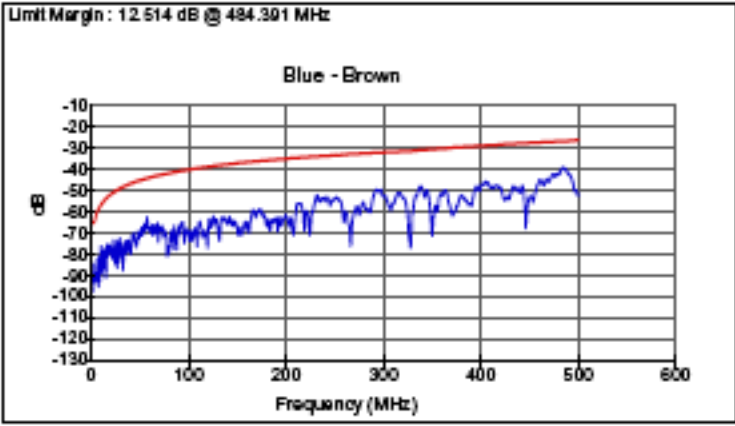
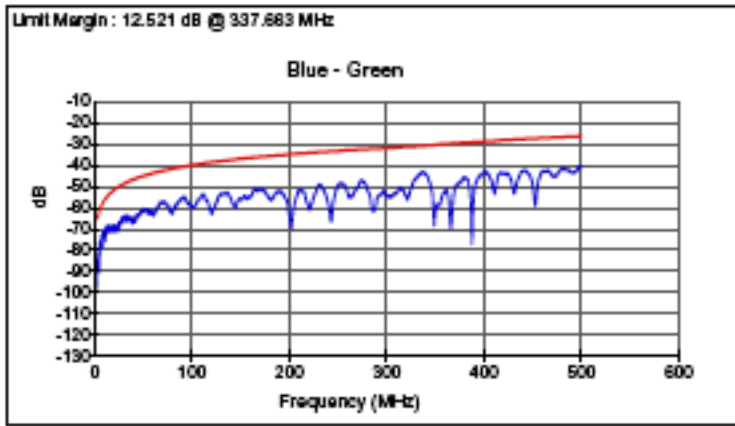
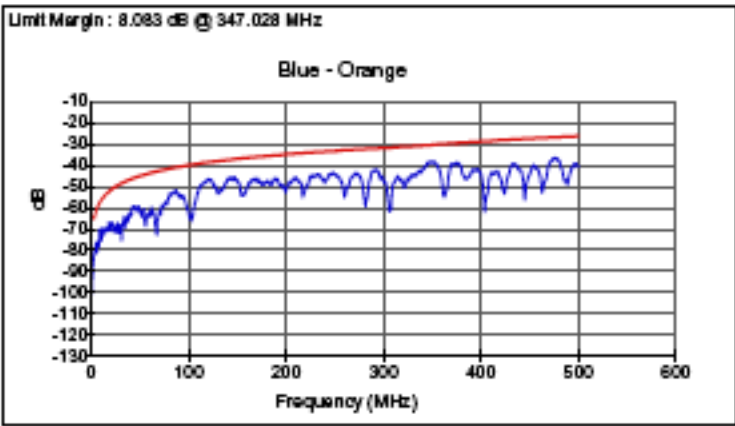
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|----------------------|--|--------------------|-----------------|
| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 10:14:04 AM | Appendix | A |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | John Cash | | |





Near End Cross Talk (Near End)

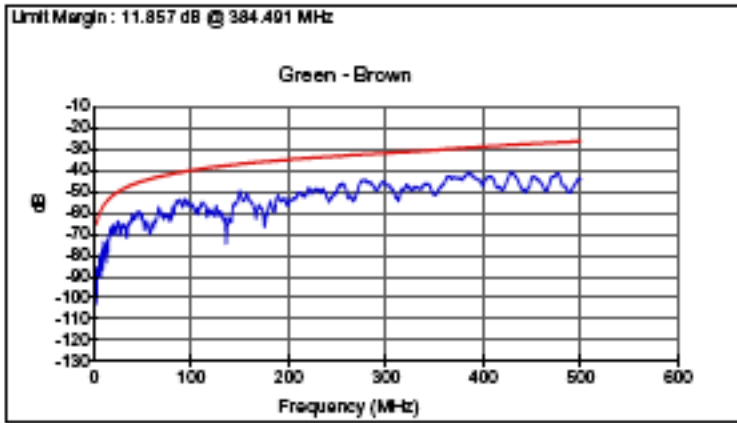
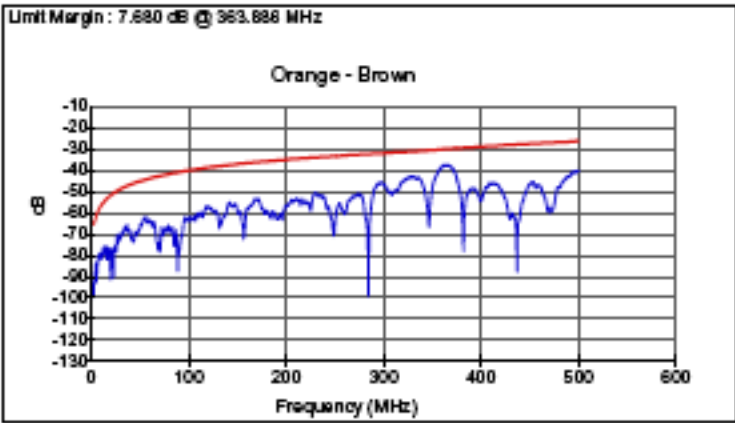
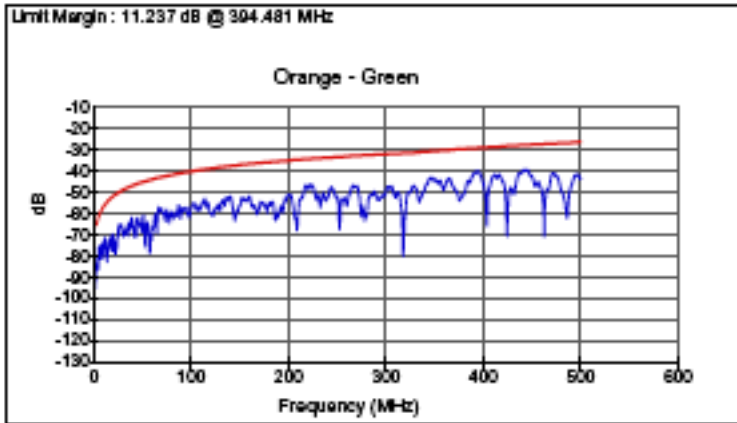
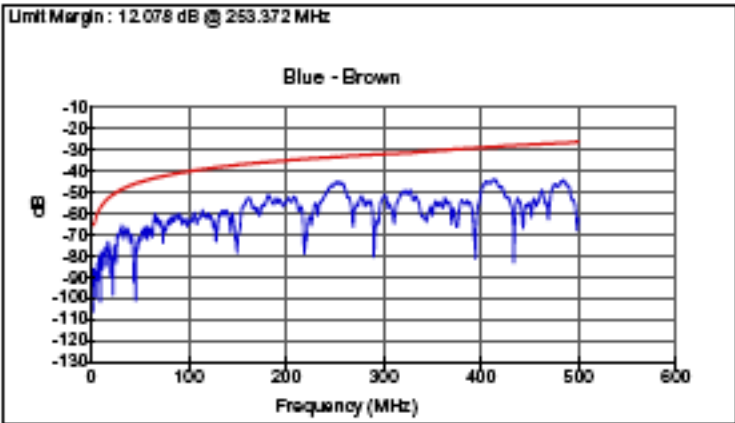
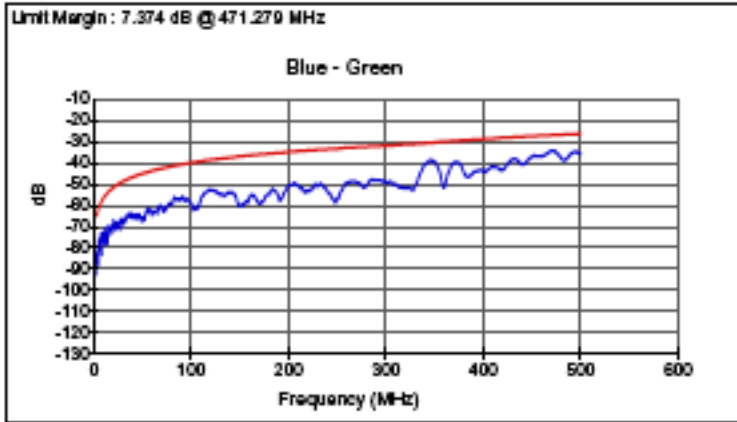
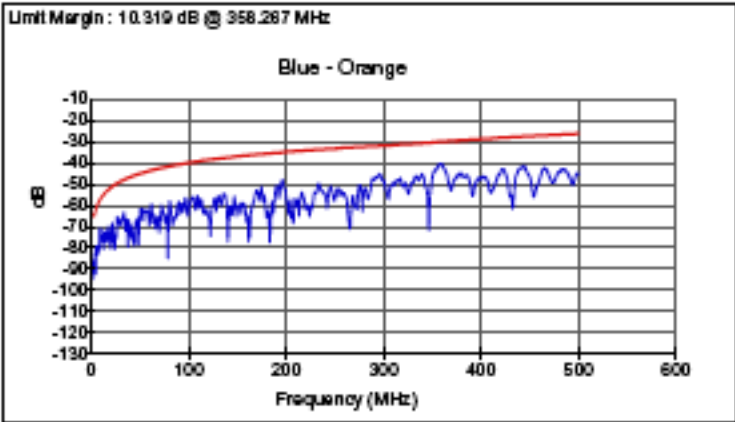
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|----------------------|--|--------------------|-----------------|
| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 10:14:04 AM | Appendix | A |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | John Cash | | |





Near End Cross Talk (Far End)

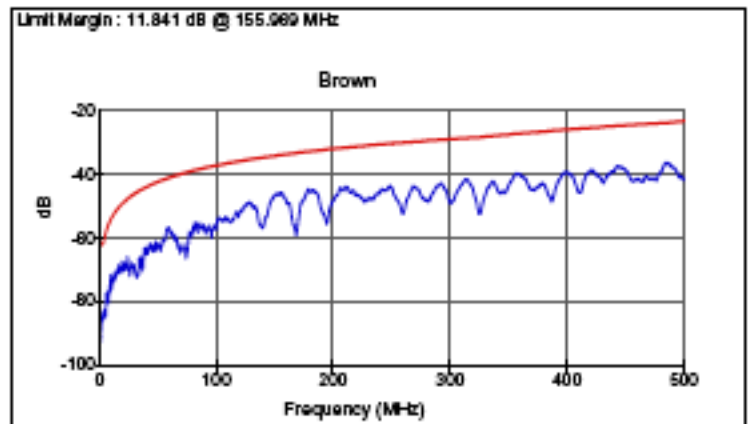
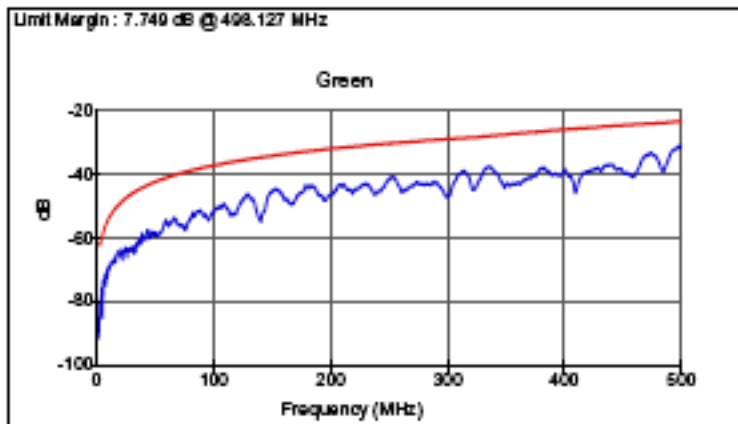
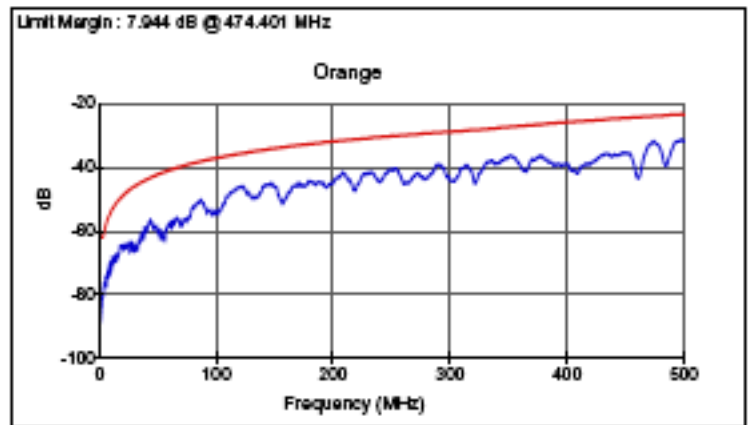
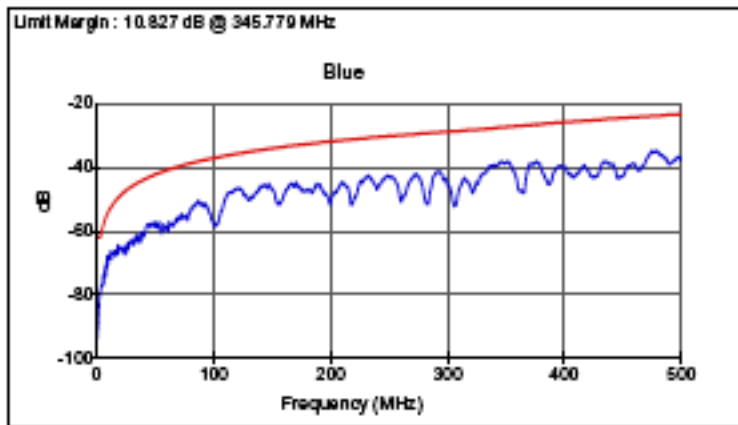
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|----------------------|--|--------------------|-----------------|
| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 10:14:04 AM | Appendix | A |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | John Cash | | |





Power Sum NEXT (Near End)

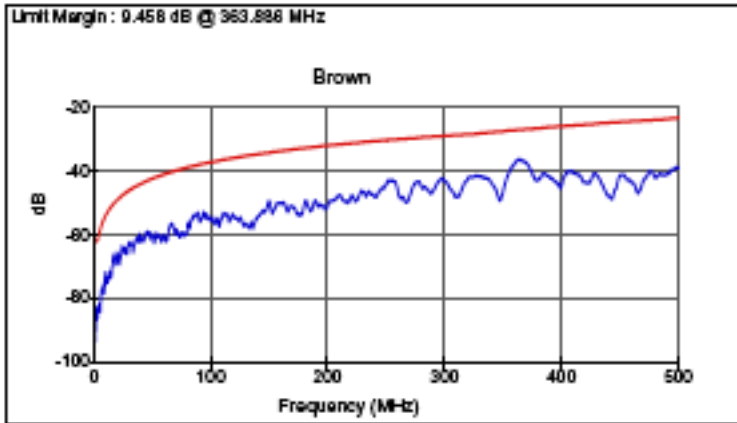
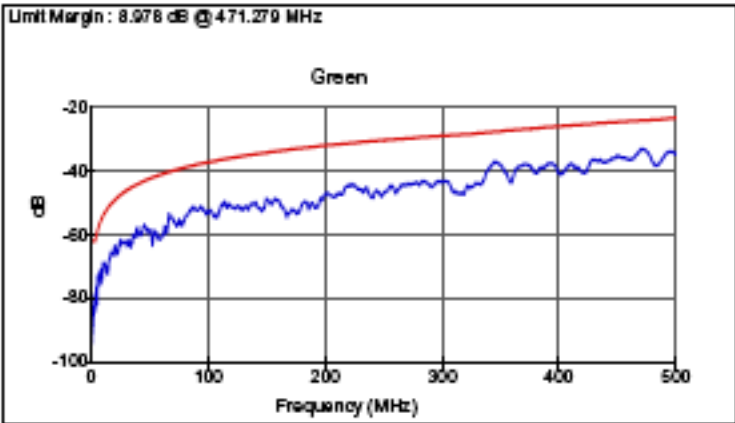
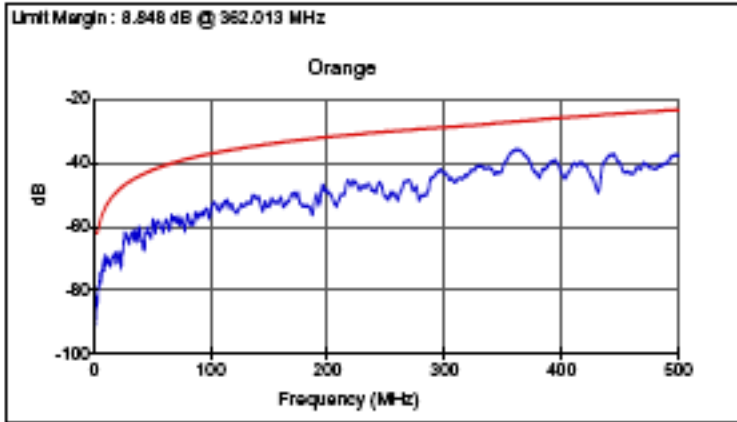
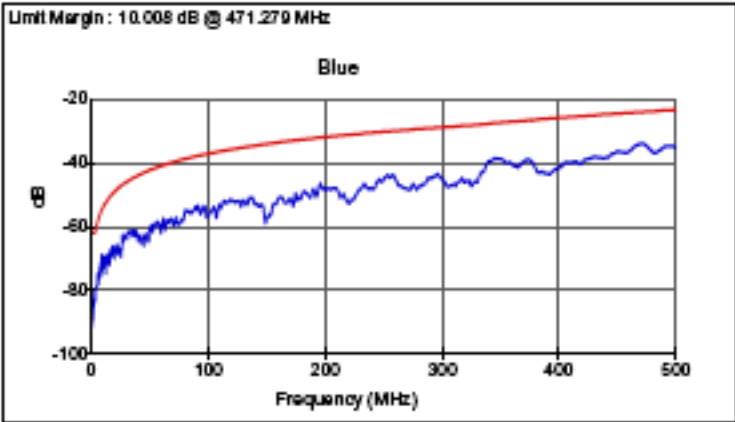
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|----------------------|--|--------------------|-----------------|
| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 10:14:04 AM | Appendix | A |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | John Cash | | |





Power Sum NEXT (Far End)

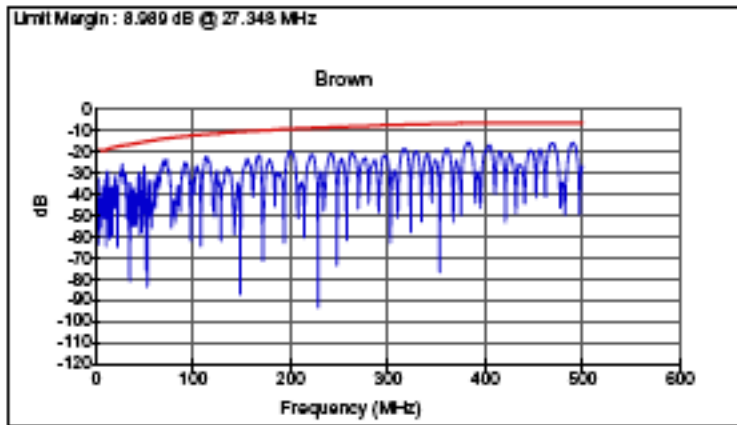
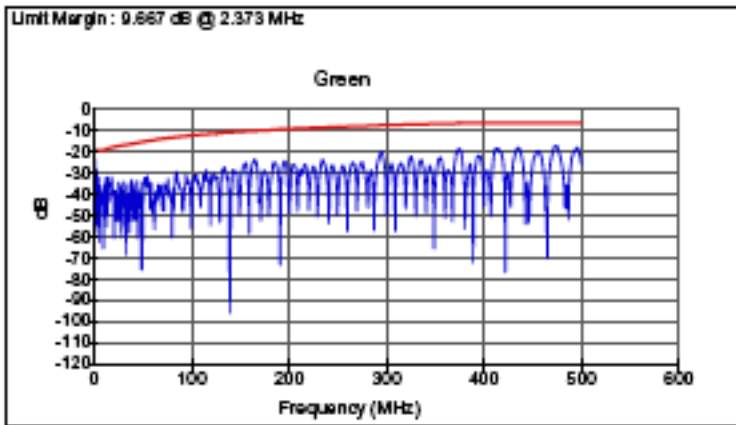
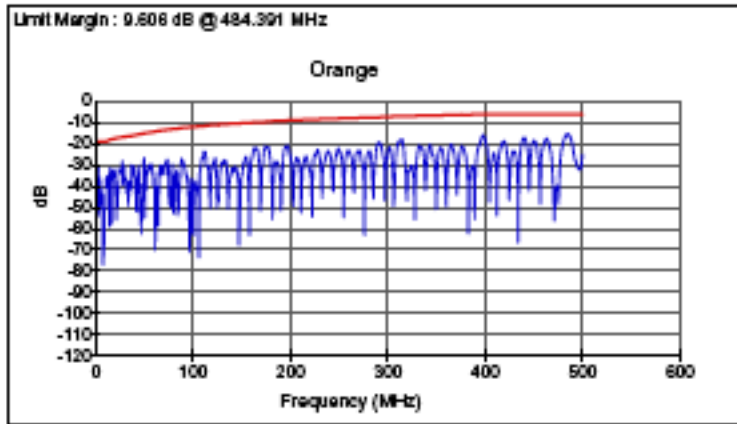
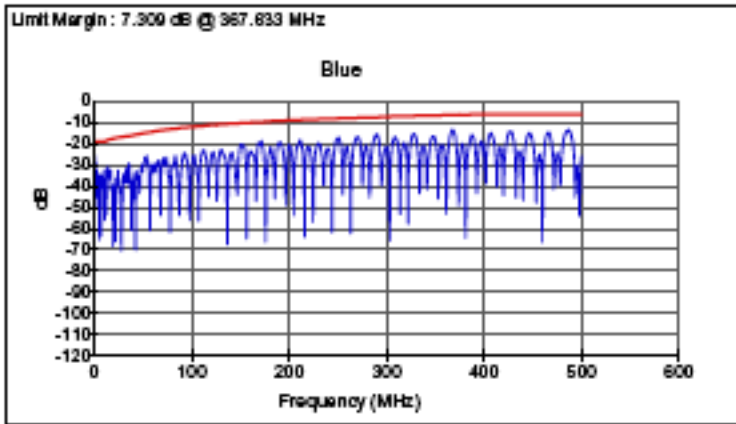
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| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 10:14:04 AM | Appendix | A |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | John Cash | | |





Return Loss (Near End)

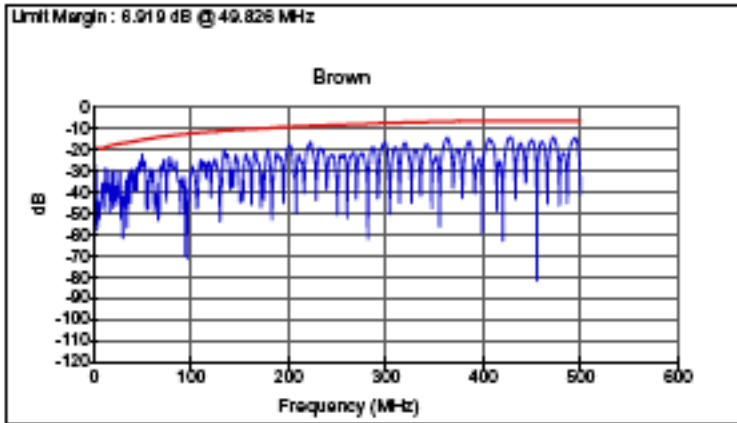
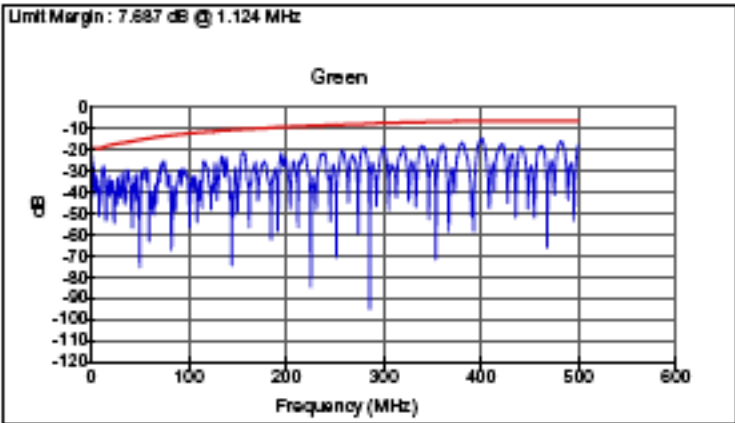
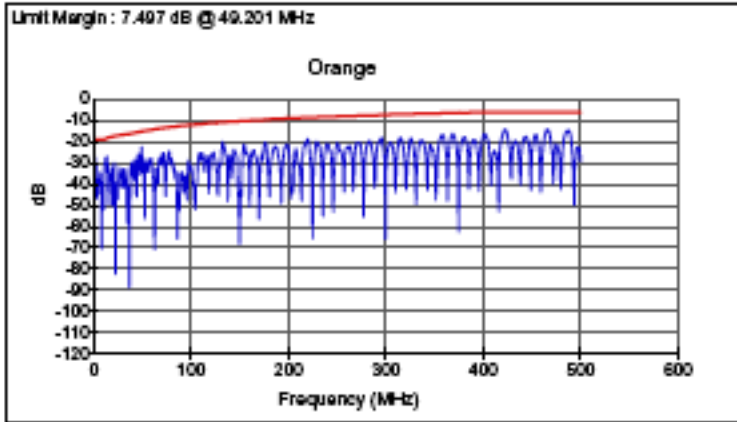
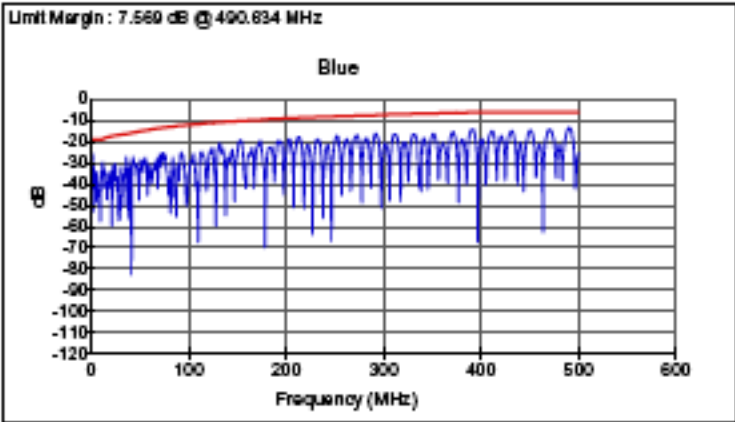
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| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 10:14:04 AM | Appendix | A |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | John Cash | | |





Return Loss (Far End)

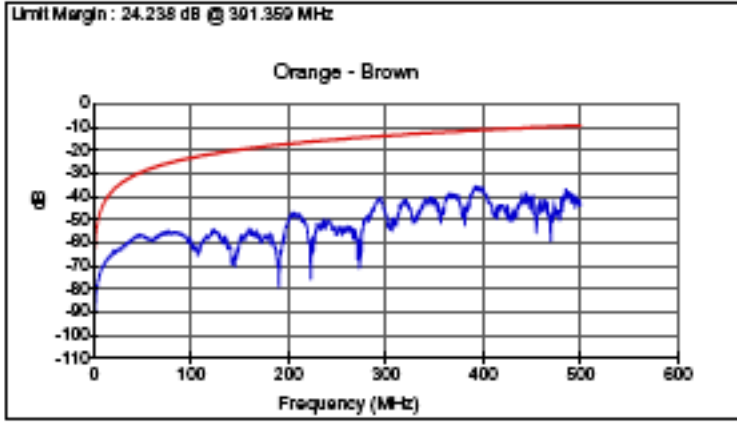
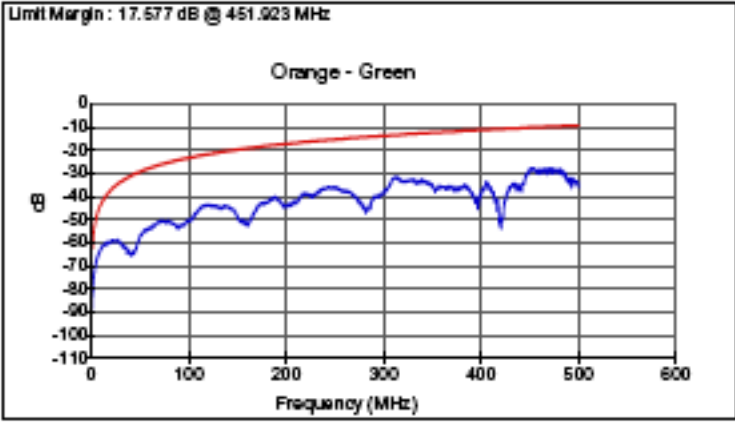
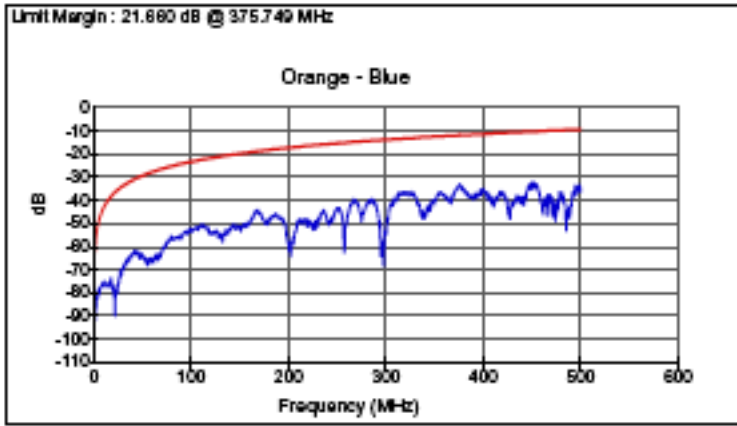
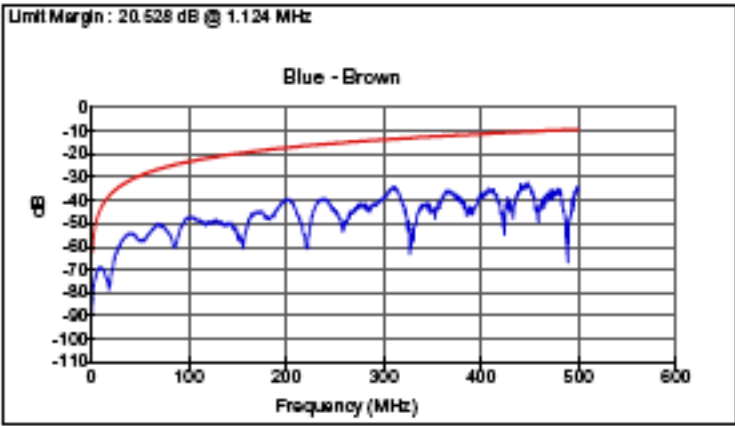
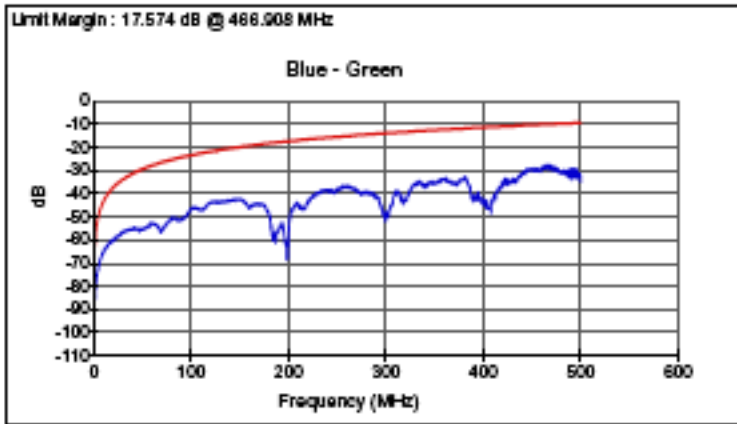
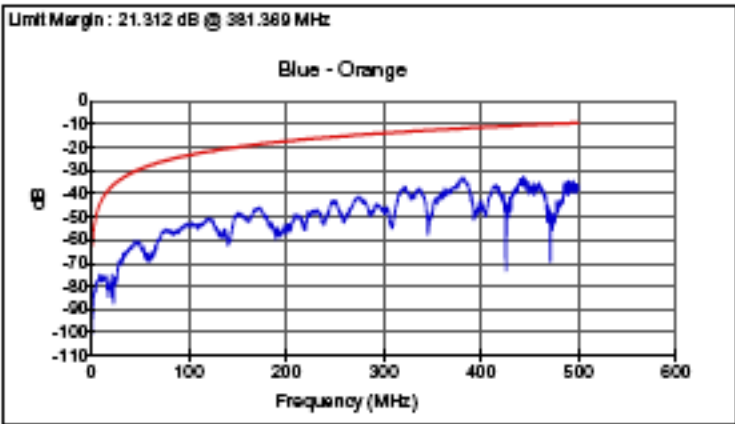
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| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 10:14:04 AM | Appendix | A |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | John Cash | | |





ELFEXT/ACRF (Near End)

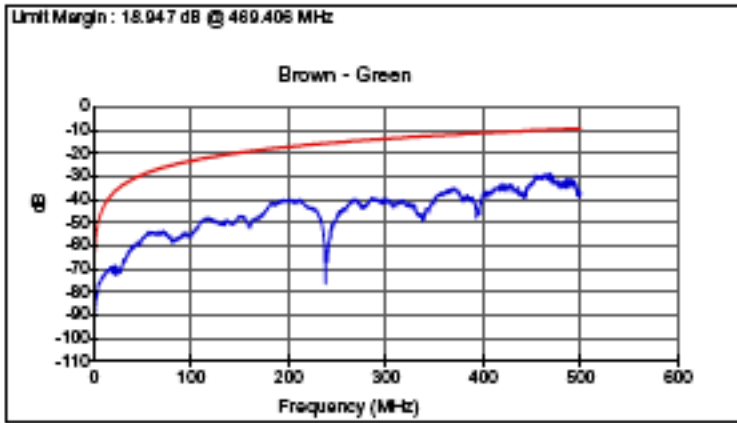
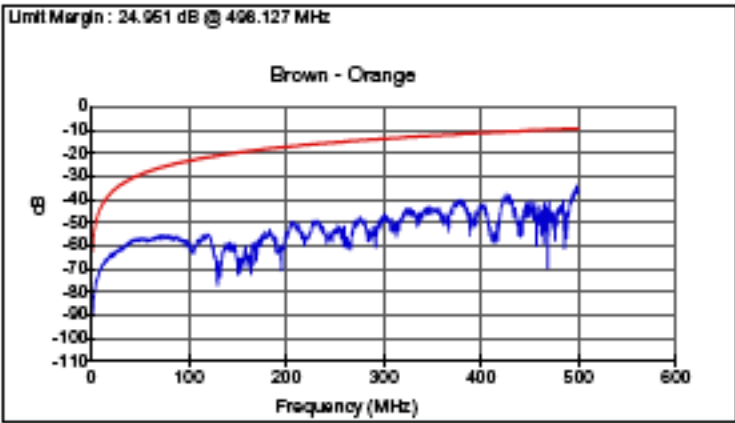
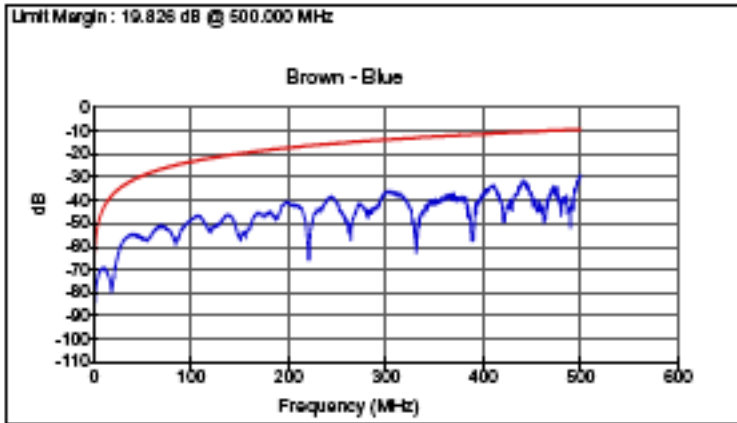
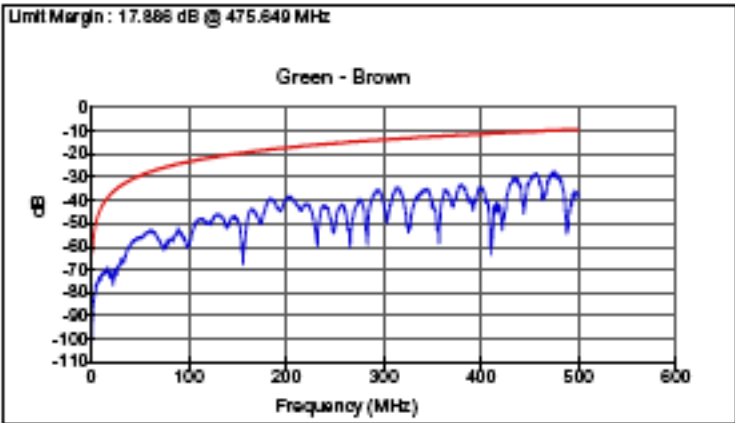
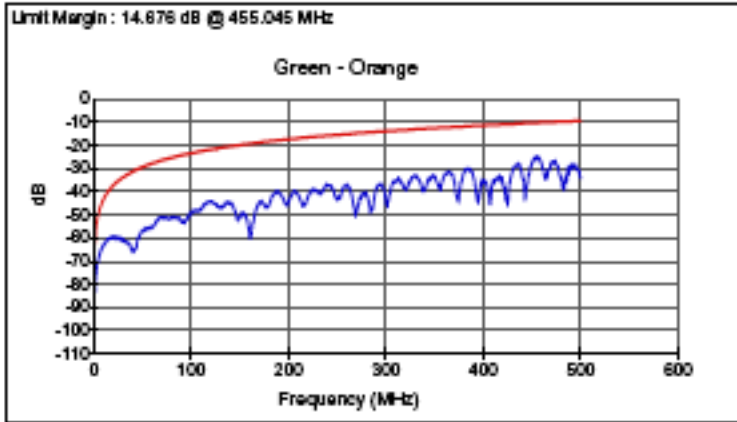
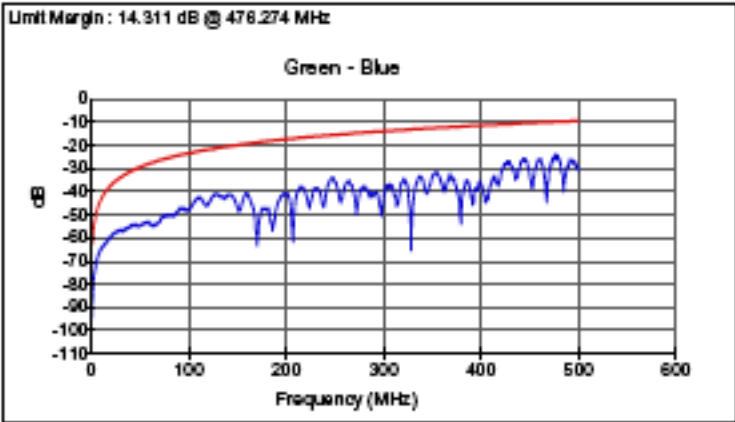
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| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 10:14:04 AM | Appendix | A |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | John Cash | | |





ELFEXT/ACRF (Near End)

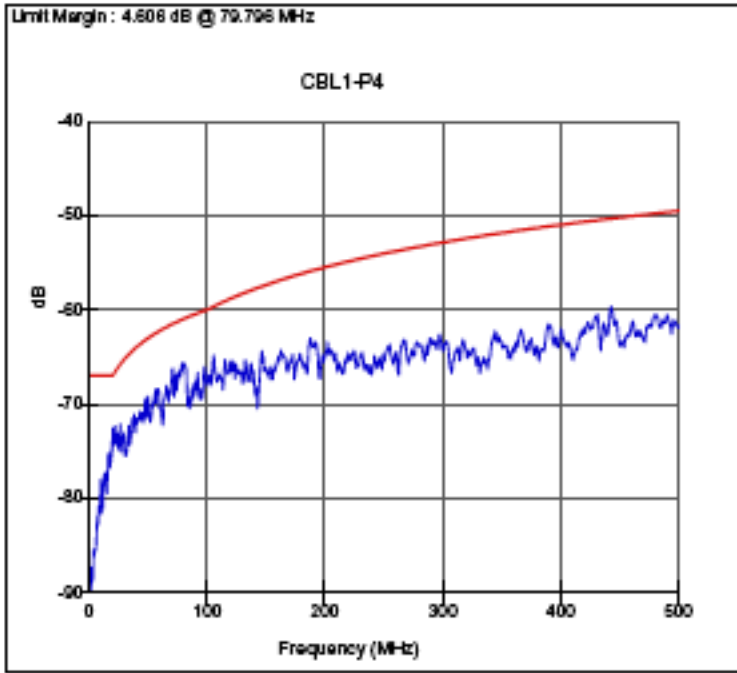
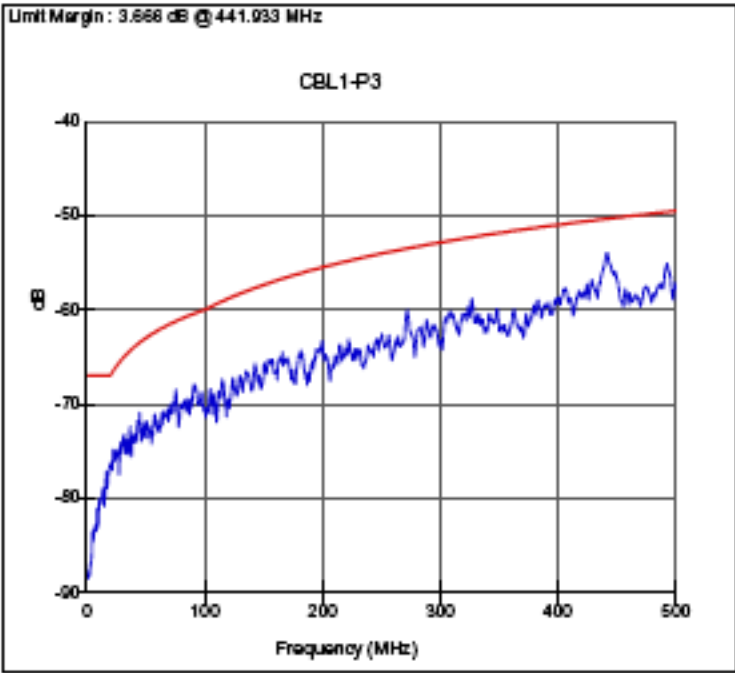
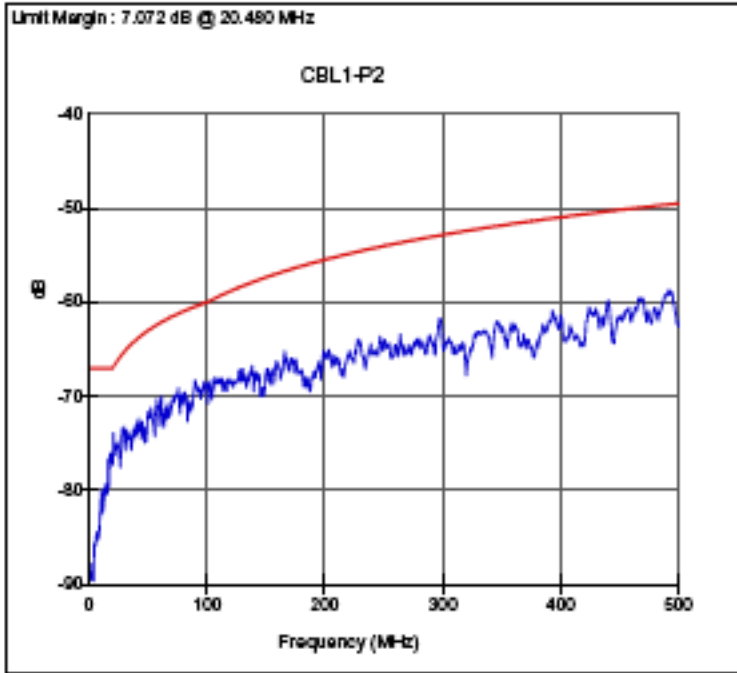
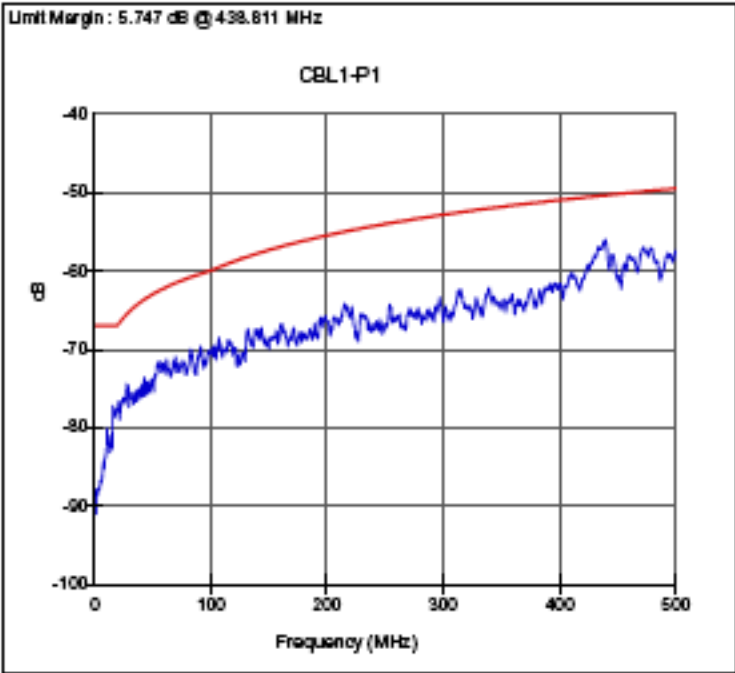
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| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | | |
| Part No | UTP-4231-C6A | Length(m) | 100. |
| Test Started | 12/17/2008 10:14:04 AM | Temperature | 20 °C |
| Description | 2 Connector Channel | Appendix | A |
| Operator Name | John Cash | Test Status | Complies |





ANEXT (PowerSum) Near

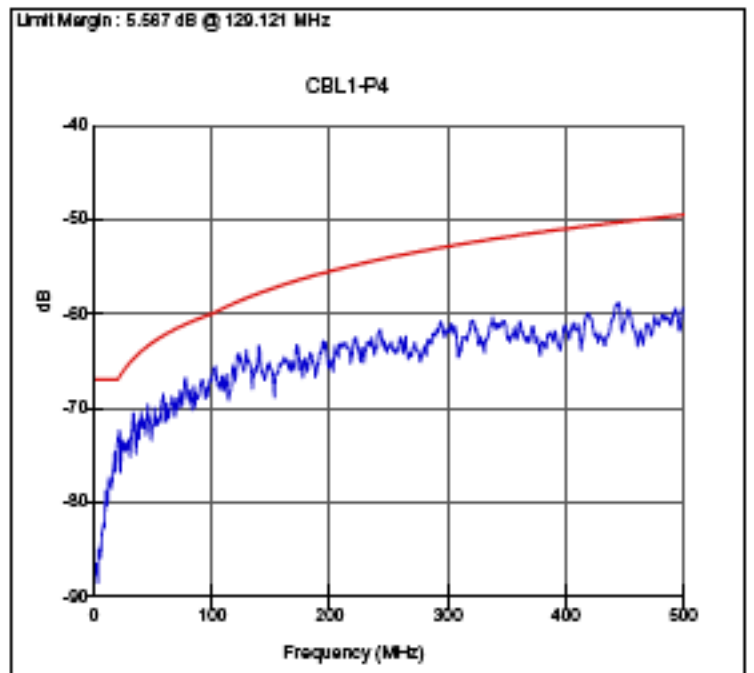
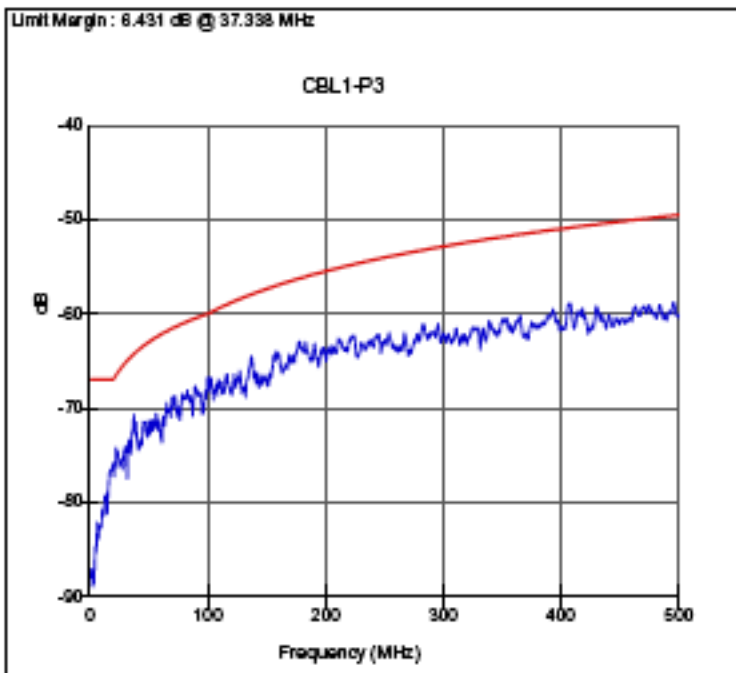
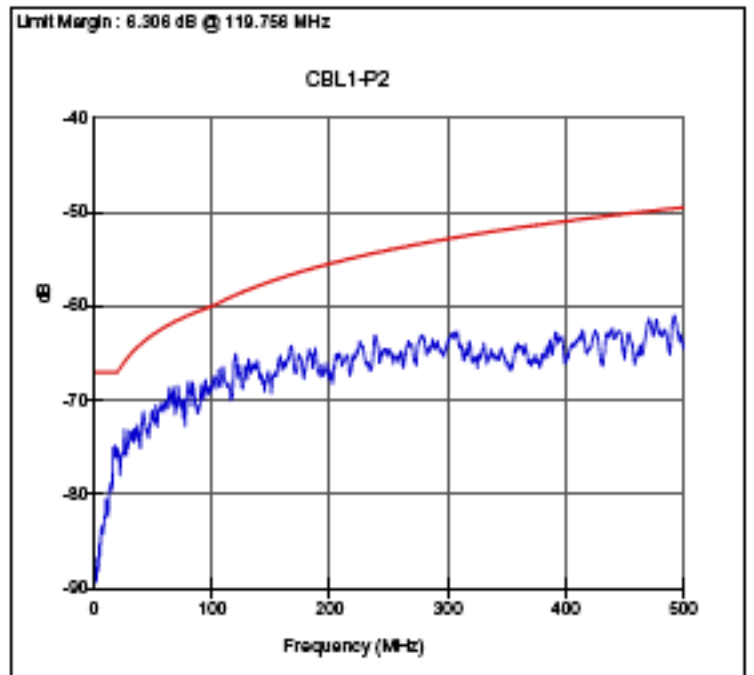
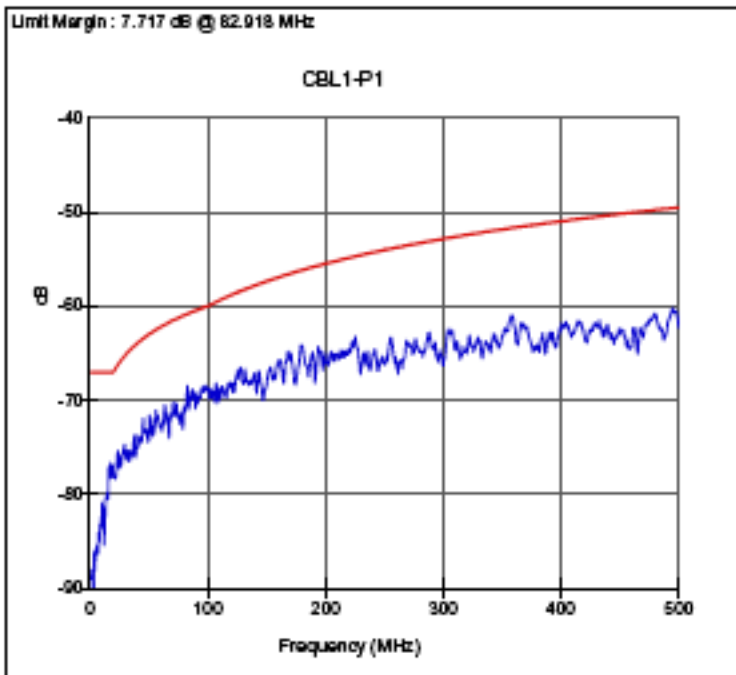
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|----------------------|--|--------------------|-----------------|
| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 1:14:44 PM | Appendix | B |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | Development | | |





ANEXT (PowerSum) Far

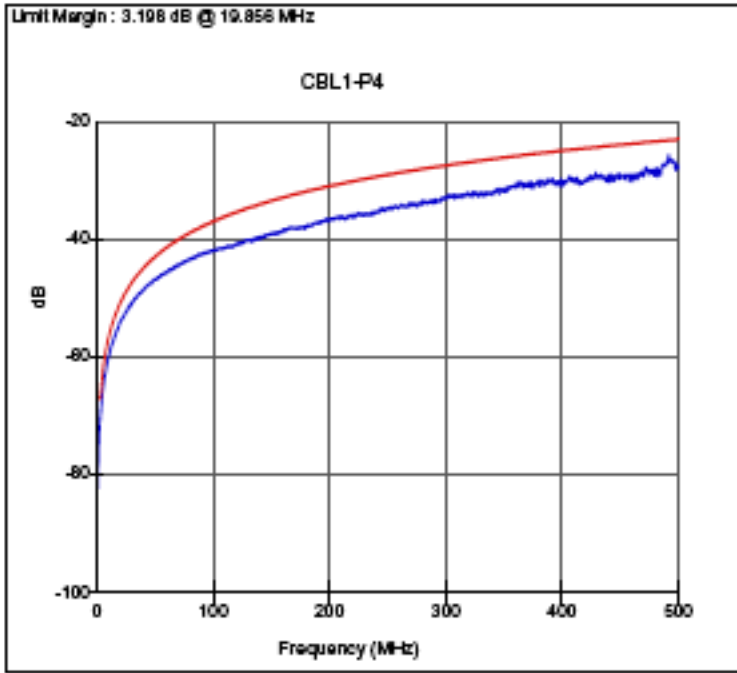
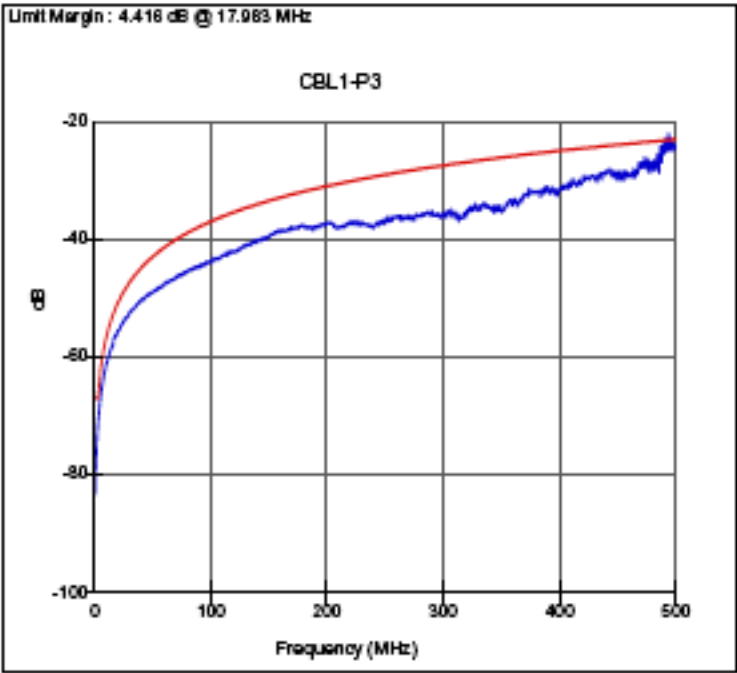
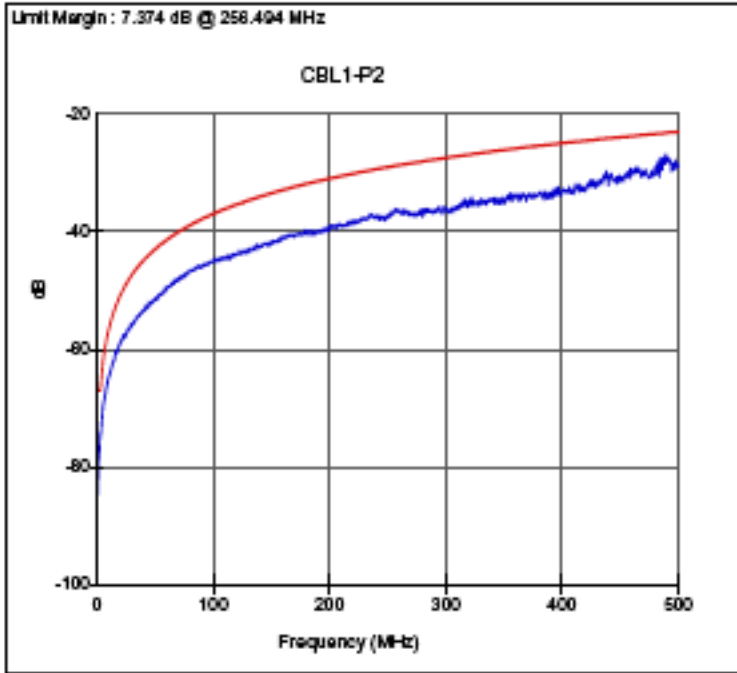
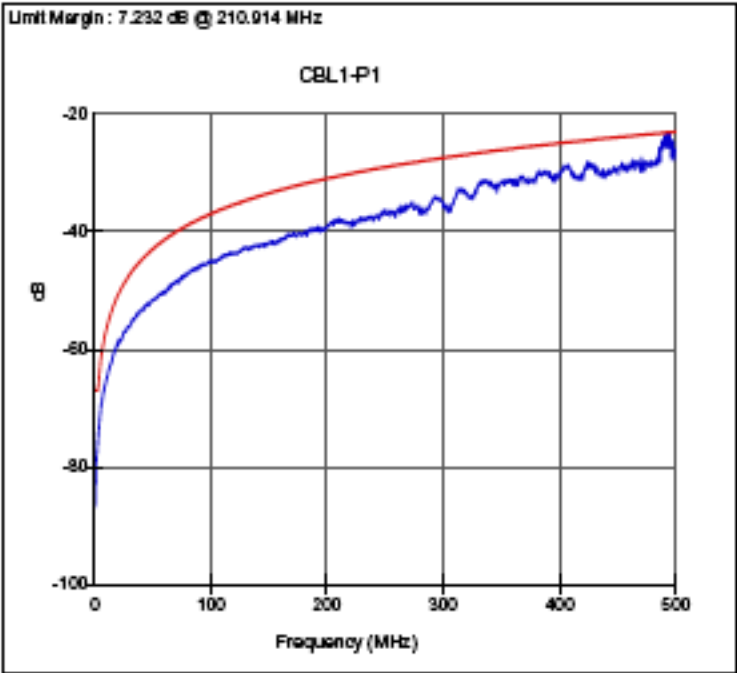
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| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 1:14:44 PM | Appendix | B |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | Development | | |





PSAACRF Near

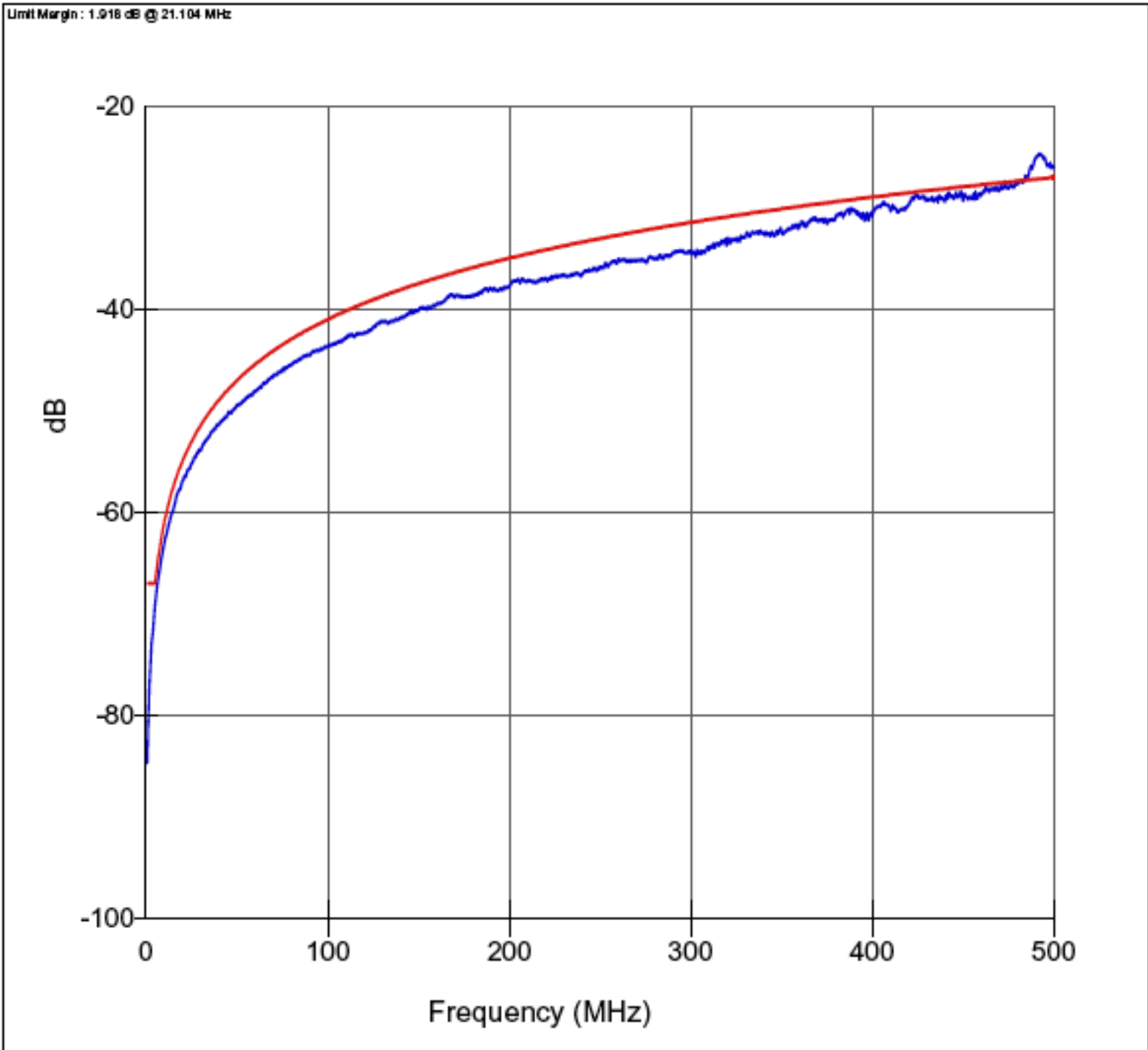
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|----------------------|--|--------------------|-----------------|
| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | Length(m) | 100. |
| Part No | UTP-4231-C6A | Temperature | 20 °C |
| Test Started | 12/17/2008 1:14:44 PM | Appendix | B |
| Description | 2 Connector Channel | Test Status | Complies |
| Operator Name | Development | | |





PSAACRF (Average) Near

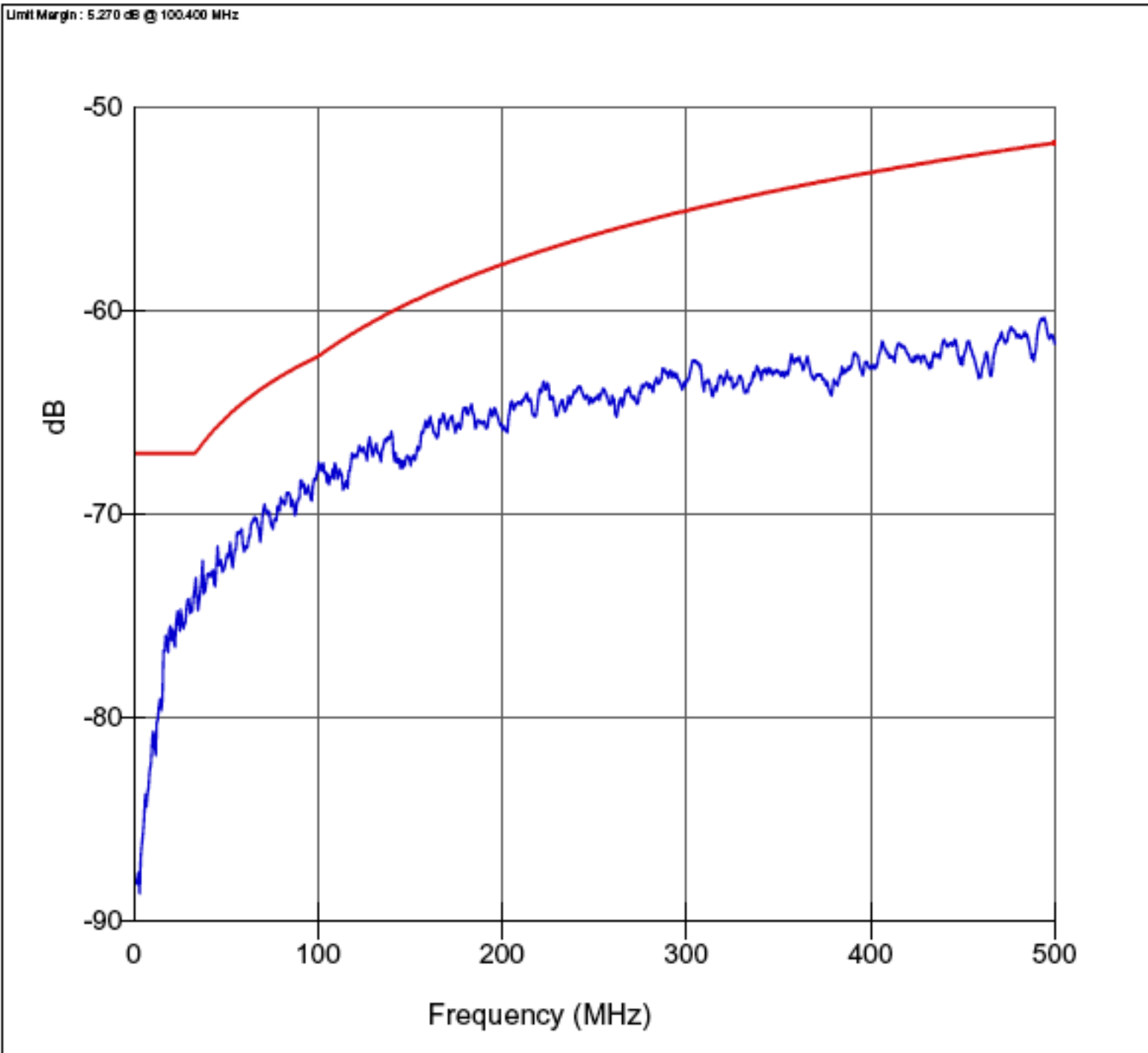
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| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | | |
| Part No | UTP-4231-C6A | Length(m) | 100. |
| Test Started | 12/17/2008 1:14:44 PM | Temperature | 20 °C |
| Description | 2 Connector Channel | Appendix | B |
| Operator Name | Development | Test Status | Complies |





ANEXT (PowerSum Average) Far

| | | | |
|----------------------|--|--------------------|-----------------|
| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | | |
| Part No | UTP-4231-C6A | Length(m) | 100. |
| Test Started | 12/17/2008 1:14:44 PM | Temperature | 20 °C |
| Description | 2 Connector Channel | Appendix | B |
| Operator Name | Development | Test Status | Complies |





ANEXT (PowerSum Average) Near

| | | | |
|----------------------|--|--------------------|-----------------|
| Client | Dan-Chief | Project No | 3154740CRT-003A |
| Specification | TIA 568B2-10 - Augmented Cat 6 (Channel) | | |
| Part No | UTP-4231-C6A | Length(m) | 100. |
| Test Started | 12/17/2008 1:14:44 PM | Temperature | 20 °C |
| Description | 2 Connector Channel | Appendix | B |
| Operator Name | Development | Test Status | Complies |

