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Phone Number: 1-800-345-3851 Fax Number: 607-758-3648

PROJECT NO.: 3030592-311

DATE: June 28, 2010

TEST REPORT NO.: 3030592CRT-079

RENDERED TO:



Ortronics, Incorporated  
125 Eugene O'Neil Drive  
New London, CT 06320



Ph (860) 445-3800 / Fax (860) 405-2970

**TEST:**

Performance testing of the cabling configurations as defined in and to the requirements of ANSI/TIA-568-C.2 Balanced Twisted-Pair Telecommunications Cabling and Components Standard.

**STATEMENT OF LIMITATIONS:**

The purpose of this report is to provide electrical performance data on the test sample. It is not valid to use this report for any other purpose.

**STANDARDS USED:**

ANSI/TIA-568-C.2 Balanced Twisted-Pair Telecommunications Cabling and Components Standard approved August 11, 2009.

**AUTHORIZATION:**

The project was authorized by Robert Aekins, representing, Ortronics Incorporated.

**SPECIMEN DESCRIPTION:**

GT CAT 5E Channel, 3-Connector, 21 meters

**DATE OF TEST:**

28 April 2010

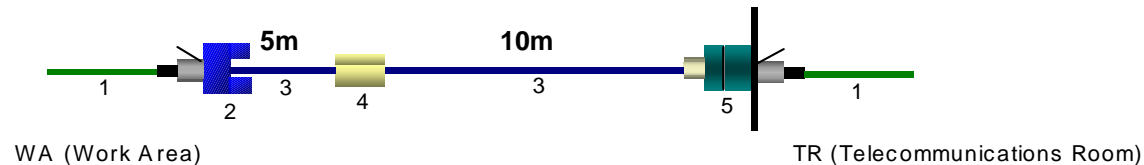
**TEST REPORT REVISION HISTORY:**

|              |            |                   |
|--------------|------------|-------------------|
| First Issue: | 06-28-2010 | Original Document |
|--------------|------------|-------------------|

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**SAMPLE DESCRIPTION:**

Channel (3 Connector w/CP)



| <u>Component ID</u> | <u>Manufacturer</u> | <u>Part Number</u>  | <u>Length/Qty</u> | <u>Description</u>             |
|---------------------|---------------------|---------------------|-------------------|--------------------------------|
| 3                   | BerkTek             | BerkTek LANmark 350 | 15m               | Horizontal Cable, C5E UTP CMP  |
| 5                   | Ortronics, Inc.     | OR-PHD5E6U24        | 1                 | Clarity C5E Patch Panel        |
| 2                   | Ortronics, Inc.     | OR-TJ5E00-13        | 1                 | Clarity C5E Workstation Outlet |
| 1                   | Ortronics, Inc.     | OR-MC5E09-02        | 3m / 2            | Clarity C5E Patch Cords, 9 ft  |
| 4                   | Ortronics, Inc.     | OR-110ABC5E100      | 1                 | Clarity C5E 110 Block (CP)     |

**EQUIPMENT LIST:**

The following equipment was employed in conducting the tests.

| <u>Equipment Used</u>                 | <u>Model Number</u> | <u>Serial Number</u> | <u>Control Number</u> | <u>Calibration Date</u> |
|---------------------------------------|---------------------|----------------------|-----------------------|-------------------------|
| Agilent Technologies Network Analyzer | E5071B              | MY42403324           | N/A                   | 06/03/2009              |
| Hewlett Packard Multimeter            | 34401A              | US36035667           | N/A                   | 06/03/2009              |

**RESULTS:**

See appendix A for the test results.

**CONCLUSION:**

The channel configuration, as previously described, was tested under the SAT program of Intertek in accordance with the standard contained herein, and did comply with the indicated applicable transmission requirements.

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

*Kathy Heath*  
 Kathy Heath  
 Program Coordinator  
 Global Cabling Products Testing

**APPENDIX A**

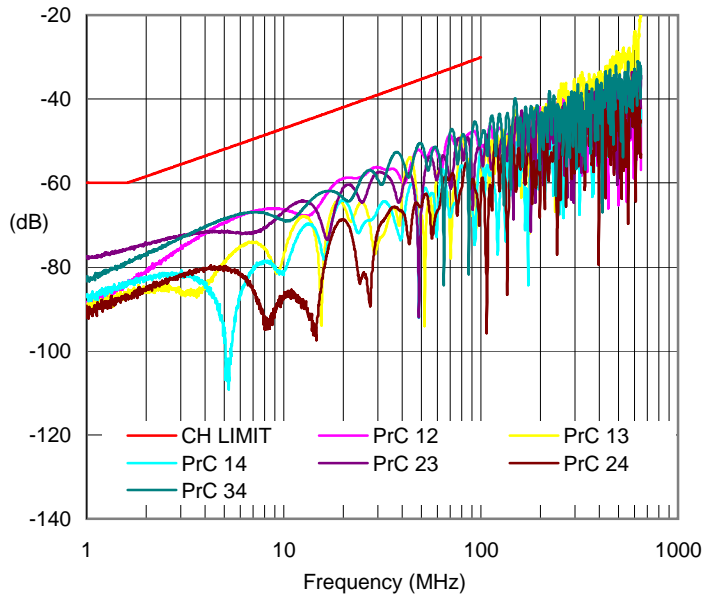
Test Results

Any data shown above 100 MHz is for indication only.

This appendix contains 7 pages.

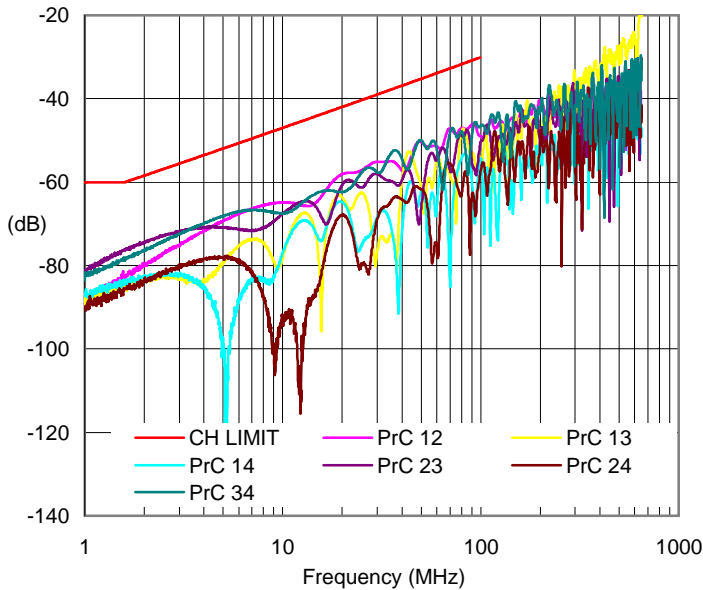


**NEXT as measured from the TELECOMMUNICATIONS ROOM (TR)**



| Worst Case Margin |                       |                        |                     |                     |
|-------------------|-----------------------|------------------------|---------------------|---------------------|
|                   | Frequency Point (MHz) | Calculated Margin (dB) | Measured Value (dB) | CH LIMIT Value (dB) |
| Swept Freq        | 71.2                  | 14.5                   | 47.1                | 32.6                |
| Discrete Points   | 1.00                  | 17.5                   | 77.5                | 60.0                |
|                   | 4.00                  | 16.8                   | 70.3                | 53.5                |
|                   | 8.00                  | 17.6                   | 66.2                | 48.6                |
|                   | 10.00                 | 19.3                   | 66.3                | 47.0                |
|                   | 16.00                 | 18.5                   | 62.1                | 43.6                |
|                   | 20.00                 | 17.0                   | 59.0                | 42.0                |
|                   | 25.00                 | 18.1                   | 58.4                | 40.3                |
|                   | 31.25                 | 17.7                   | 56.5                | 38.7                |
|                   | 62.50                 | 21.4                   | 55.0                | 33.6                |
|                   | 100.00                | 19.9                   | 50.0                | 30.1                |
|                   | 200.00                |                        | 42.2                | n/a                 |
|                   | 250.00                |                        | 40.3                | n/a                 |
|                   | 300.00                |                        | 36.7                | n/a                 |
|                   | 400.00                |                        | 39.4                | n/a                 |
|                   | 500.00                |                        | 30.1                | n/a                 |
|                   | 650.00                |                        | 19.4                | n/a                 |

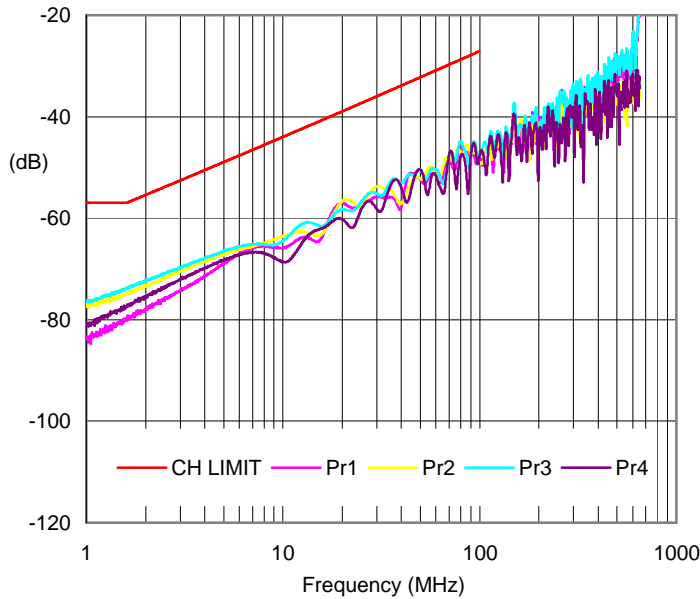
**NEXT as measured from the WORK AREA (WA)**



| Worst Case Margin |                       |                        |                     |                     |
|-------------------|-----------------------|------------------------|---------------------|---------------------|
|                   | Frequency Point (MHz) | Calculated Margin (dB) | Measured Value (dB) | CH LIMIT Value (dB) |
| Swept Freq        | 69.6                  | 14.3                   | 47.1                | 32.8                |
| Discrete Points   | 1.00                  | 21.4                   | 81.4                | 60.0                |
|                   | 4.00                  | 16.4                   | 69.9                | 53.5                |
|                   | 8.00                  | 17.0                   | 65.6                | 48.6                |
|                   | 10.00                 | 17.9                   | 64.9                | 47.0                |
|                   | 16.00                 | 18.5                   | 62.1                | 43.6                |
|                   | 20.00                 | 16.1                   | 58.1                | 42.0                |
|                   | 25.00                 | 16.8                   | 57.2                | 40.3                |
|                   | 31.25                 | 16.4                   | 55.1                | 38.7                |
|                   | 62.50                 | 18.5                   | 52.1                | 33.6                |
|                   | 100.00                | 16.4                   | 46.5                | 30.1                |
|                   | 200.00                |                        | 40.4                | n/a                 |
|                   | 250.00                |                        | 37.8                | n/a                 |
|                   | 300.00                |                        | 36.0                | n/a                 |
|                   | 400.00                |                        | 33.3                | n/a                 |
|                   | 500.00                |                        | 30.5                | n/a                 |
|                   | 650.00                |                        | 19.6                | n/a                 |

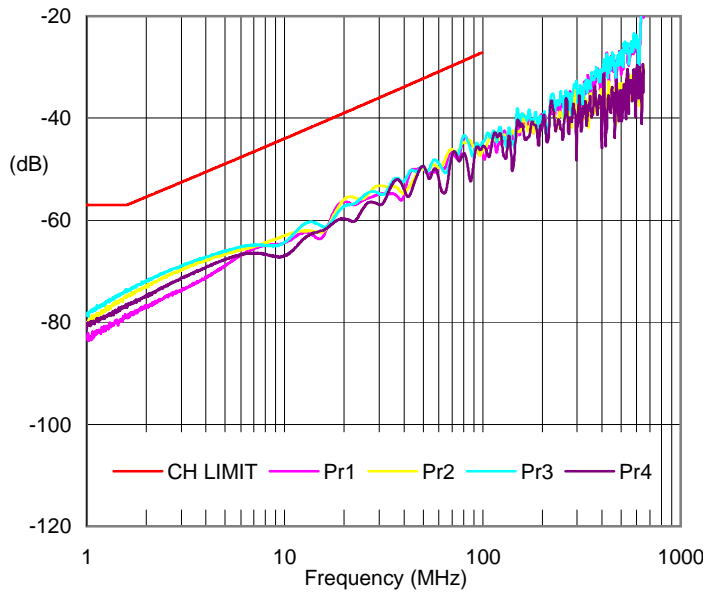


PSNEXT as measured from the TELECOMMUNICATIONS ROOM (TR)



| Worst Case Margin |                       |                        |                       |                     |
|-------------------|-----------------------|------------------------|-----------------------|---------------------|
|                   | Frequency Point (MHz) | Calculated Margin (dB) | Calculated Value (dB) | CH LIMIT Value (dB) |
| Swept Freq        | 79.9                  | 16.0                   | 44.8                  | 28.8                |
| Discrete Points   | 1.00                  | 19.3                   | 76.3                  | 57.0                |
|                   | 4.00                  | 17.3                   | 67.8                  | 50.5                |
|                   | 8.00                  | 19.3                   | 64.9                  | 45.6                |
|                   | 10.00                 | 19.5                   | 63.5                  | 44.0                |
|                   | 16.00                 | 21.0                   | 61.6                  | 40.6                |
|                   | 20.00                 | 17.7                   | 56.7                  | 39.0                |
|                   | 25.00                 | 19.5                   | 56.8                  | 37.3                |
|                   | 31.25                 | 18.1                   | 53.8                  | 35.7                |
|                   | 62.50                 | 20.9                   | 51.5                  | 30.6                |
|                   | 100.00                | 20.6                   | 47.7                  | 27.1                |
|                   | 200.00                |                        | 40.4                  | n/a                 |
|                   | 250.00                |                        | 39.3                  | n/a                 |
|                   | 300.00                |                        | 34.4                  | n/a                 |
|                   | 400.00                |                        | 35.6                  | n/a                 |
|                   | 500.00                |                        | 29.1                  | n/a                 |
| 650.00            |                       | 19.2                   | n/a                   |                     |

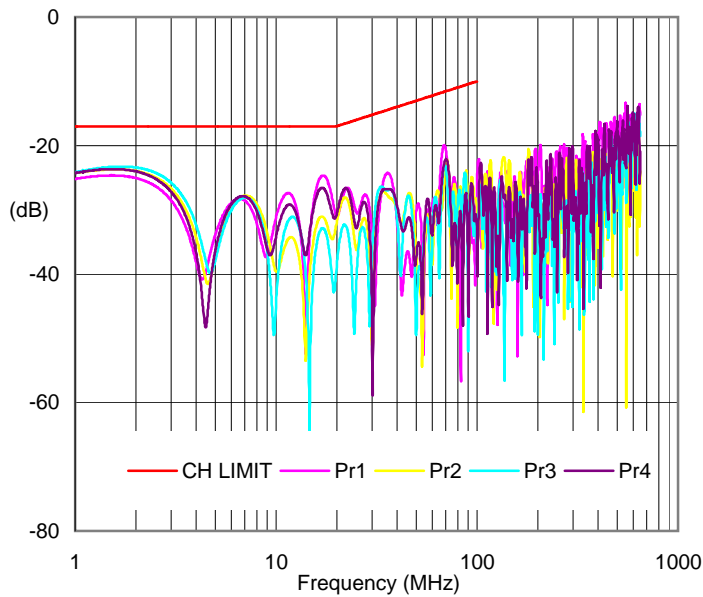
PSNEXT as measured from the WORK AREA (WA)



| Worst Case Margin |                       |                        |                       |                     |
|-------------------|-----------------------|------------------------|-----------------------|---------------------|
|                   | Frequency Point (MHz) | Calculated Margin (dB) | Calculated Value (dB) | CH LIMIT Value (dB) |
| Swept Freq        | 80.5                  | 14.6                   | 43.3                  | 28.7                |
| Discrete Points   | 1.00                  | 21.7                   | 78.7                  | 57.0                |
|                   | 4.00                  | 16.7                   | 67.3                  | 50.5                |
|                   | 8.00                  | 18.9                   | 64.5                  | 45.6                |
|                   | 10.00                 | 19.0                   | 63.0                  | 44.0                |
|                   | 16.00                 | 20.7                   | 61.3                  | 40.6                |
|                   | 20.00                 | 16.9                   | 55.9                  | 39.0                |
|                   | 25.00                 | 17.9                   | 55.3                  | 37.3                |
|                   | 31.25                 | 17.6                   | 53.3                  | 35.7                |
|                   | 62.50                 | 18.8                   | 49.4                  | 30.6                |
|                   | 100.00                | 17.6                   | 44.6                  | 27.1                |
|                   | 200.00                |                        | 39.5                  | n/a                 |
|                   | 250.00                |                        | 35.6                  | n/a                 |
|                   | 300.00                |                        | 34.3                  | n/a                 |
|                   | 400.00                |                        | 31.5                  | n/a                 |
|                   | 500.00                |                        | 28.7                  | n/a                 |
| 650.00            |                       | 19.3                   | n/a                   |                     |

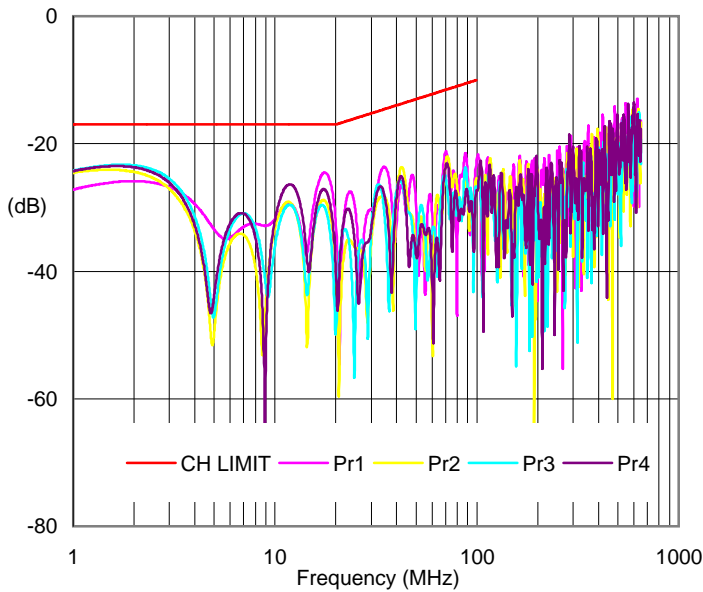


RL as measured from the TELECOMMUNICATIONS ROOM (TR)



| Worst Case Margin |                       |                        |                     |                     |
|-------------------|-----------------------|------------------------|---------------------|---------------------|
|                   | Frequency Point (MHz) | Calculated Margin (dB) | Measured Value (dB) | CH LIMIT Value (dB) |
| Swept Freq        | 1.7                   | 6.3                    | 23.3                | 17.0                |
| Discrete Points   | 1.00                  | 7.2                    | 24.2                | 17.0                |
|                   | 4.00                  | 15.3                   | 32.3                | 17.0                |
|                   | 8.00                  | 12.0                   | 29.0                | 17.0                |
|                   | 10.00                 | 14.2                   | 31.2                | 17.0                |
|                   | 16.00                 | 9.2                    | 26.2                | 17.0                |
|                   | 20.00                 | 13.8                   | 30.8                | 17.0                |
|                   | 25.00                 | 14.2                   | 30.3                | 16.0                |
|                   | 31.25                 | 14.4                   | 29.5                | 15.1                |
|                   | 62.50                 | 16.1                   | 28.2                | 12.1                |
|                   | 100.00                | 15.8                   | 25.8                | 10.0                |
|                   | 200.00                |                        | 25.1                | n/a                 |
|                   | 250.00                |                        | 21.4                | n/a                 |
|                   | 300.00                |                        | 20.5                | n/a                 |
|                   | 400.00                |                        | 18.2                | n/a                 |
|                   | 500.00                |                        | 18.0                | n/a                 |
|                   | 650.00                |                        | 15.3                | n/a                 |

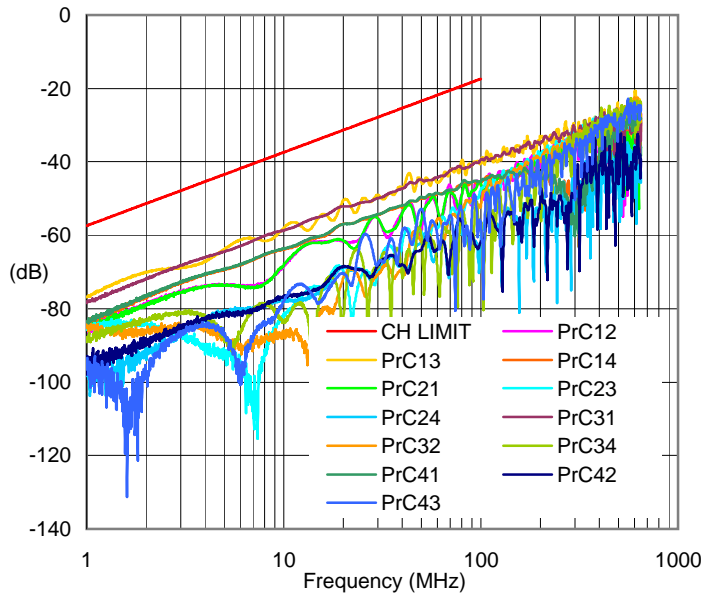
RL as measured from the WORK AREA (WA)



| Worst Case Margin |                       |                        |                     |                     |
|-------------------|-----------------------|------------------------|---------------------|---------------------|
|                   | Frequency Point (MHz) | Calculated Margin (dB) | Measured Value (dB) | CH LIMIT Value (dB) |
| Swept Freq        | 1.8                   | 6.3                    | 23.3                | 17.0                |
| Discrete Points   | 1.00                  | 7.3                    | 24.3                | 17.0                |
|                   | 4.00                  | 12.4                   | 29.4                | 17.0                |
|                   | 8.00                  | 15.6                   | 32.6                | 17.0                |
|                   | 10.00                 | 14.8                   | 31.8                | 17.0                |
|                   | 16.00                 | 10.5                   | 27.5                | 17.0                |
|                   | 20.00                 | 15.5                   | 32.5                | 17.0                |
|                   | 25.00                 | 14.4                   | 30.5                | 16.0                |
|                   | 31.25                 | 13.0                   | 28.0                | 15.1                |
|                   | 62.50                 | 17.7                   | 29.7                | 12.1                |
|                   | 100.00                | 12.3                   | 22.4                | 10.0                |
|                   | 200.00                |                        | 24.1                | n/a                 |
|                   | 250.00                |                        | 22.4                | n/a                 |
|                   | 300.00                |                        | 20.7                | n/a                 |
|                   | 400.00                |                        | 19.3                | n/a                 |
|                   | 500.00                |                        | 18.0                | n/a                 |
|                   | 650.00                |                        | 16.4                | n/a                 |



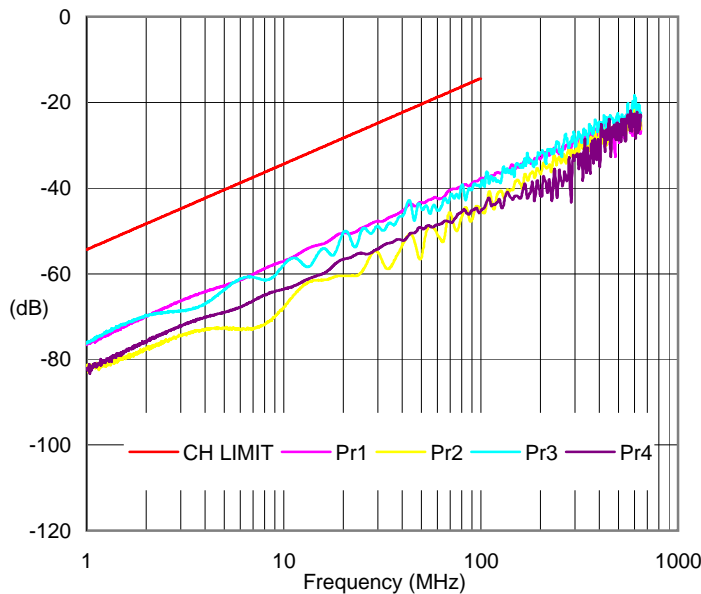
ELFEXT



Worst Case Margin

|                 | Frequency Point (MHz) | Calculated Margin (dB) | Measured Value (dB) | CH LIMIT Value (dB) |
|-----------------|-----------------------|------------------------|---------------------|---------------------|
| Swept Freq      | 43.2                  | 18.4                   | 43.1                | 24.7                |
| Discrete Points | 1.00                  | 19.5                   | 76.9                | 57.4                |
|                 | 4.00                  | 20.6                   | 66.0                | 45.4                |
|                 | 8.00                  | 20.9                   | 60.2                | 39.3                |
|                 | 10.00                 | 20.6                   | 58.0                | 37.4                |
|                 | 16.00                 | 20.9                   | 54.2                | 33.3                |
|                 | 20.00                 | 19.2                   | 50.6                | 31.4                |
|                 | 25.00                 | 20.7                   | 50.1                | 29.4                |
|                 | 31.25                 | 22.2                   | 49.7                | 27.5                |
|                 | 62.50                 | 22.4                   | 43.9                | 21.5                |
|                 | 100.00                | 22.0                   | 39.4                | 17.4                |
|                 | 200.00                |                        | 32.9                | n/a                 |
|                 | 250.00                |                        | 34.3                | n/a                 |
|                 | 300.00                |                        | 31.3                | n/a                 |
|                 | 400.00                |                        | 28.0                | n/a                 |
|                 | 500.00                |                        | 25.5                | n/a                 |
| 650.00          |                       | 24.9                   | n/a                 |                     |

PSELFEXT

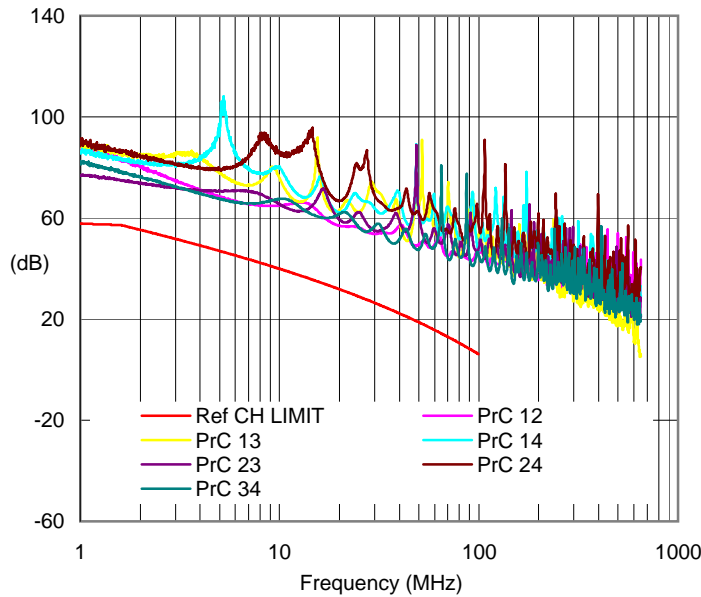


Worst Case Margin

|                 | Frequency Point (MHz) | Calculated Margin (dB) | Calculated Value (dB) | CH LIMIT Value (dB) |
|-----------------|-----------------------|------------------------|-----------------------|---------------------|
| Swept Freq      | 1.5                   | 21.0                   | 71.9                  | 51.0                |
| Discrete Points | 1.00                  | 21.9                   | 76.4                  | 54.4                |
|                 | 4.00                  | 21.8                   | 64.2                  | 42.4                |
|                 | 8.00                  | 22.5                   | 58.8                  | 36.3                |
|                 | 10.00                 | 22.7                   | 57.1                  | 34.4                |
|                 | 16.00                 | 22.7                   | 53.0                  | 30.3                |
|                 | 20.00                 | 22.1                   | 50.5                  | 28.4                |
|                 | 25.00                 | 22.9                   | 49.3                  | 26.4                |
|                 | 31.25                 | 23.3                   | 47.8                  | 24.5                |
|                 | 62.50                 | 24.0                   | 42.5                  | 18.5                |
|                 | 100.00                | 23.3                   | 37.7                  | 14.4                |
|                 | 200.00                |                        | 31.8                  | n/a                 |
|                 | 250.00                |                        | 31.5                  | n/a                 |
|                 | 300.00                |                        | 29.6                  | n/a                 |
|                 | 400.00                |                        | 24.8                  | n/a                 |
|                 | 500.00                |                        | 23.3                  | n/a                 |
| 650.00          |                       | 22.5                   | n/a                   |                     |

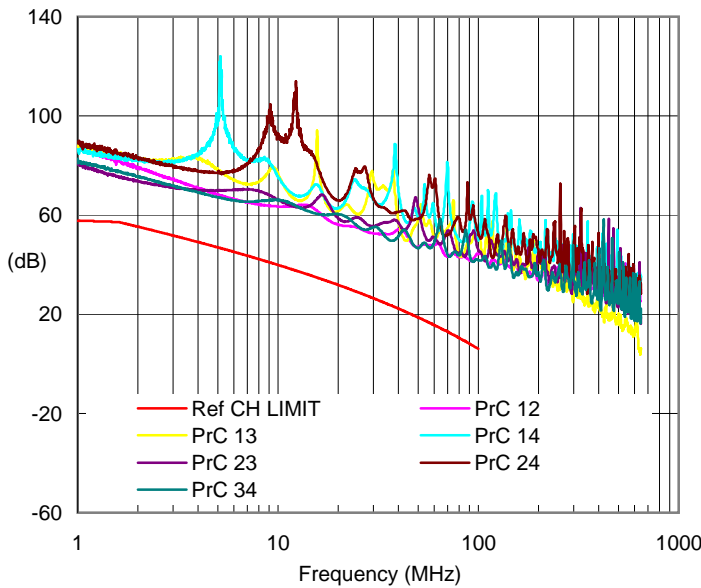


Pair-to-Pair ACR as measured from the TELECOMMUNICATIONS ROOM (TR)



| Worst Case Margin |                       |                        |                       |                     |
|-------------------|-----------------------|------------------------|-----------------------|---------------------|
|                   | Frequency Point (MHz) | Calculated Margin (dB) | Calculated Value (dB) | CH LIMIT Value (dB) |
| Swept Freq        | 1.6                   | 17.6                   | 74.8                  | 57.2                |
| Discrete Points   | 1.00                  | 18.9                   | 76.7                  | 57.8                |
|                   | 4.00                  | 20.5                   | 69.6                  | 49.0                |
|                   | 8.00                  | 22.7                   | 64.9                  | 42.3                |
|                   | 10.00                 | 25.0                   | 64.9                  | 39.9                |
|                   | 16.00                 | 25.7                   | 60.3                  | 34.5                |
|                   | 20.00                 | 25.2                   | 57.0                  | 31.8                |
|                   | 25.00                 | 27.3                   | 56.2                  | 28.9                |
|                   | 31.25                 | 28.0                   | 53.8                  | 25.9                |
|                   | 62.50                 | 36.5                   | 51.5                  | 15.0                |
|                   | 100.00                | 39.2                   | 45.3                  | 6.1                 |
|                   | 200.00                |                        | 35.6                  | n/a                 |
|                   | 250.00                |                        | 33.0                  | n/a                 |
|                   | 300.00                |                        | 28.2                  | n/a                 |
|                   | 400.00                |                        | 29.3                  | n/a                 |
| 500.00            |                       | 18.5                   | n/a                   |                     |
| 650.00            |                       | 5.3                    | n/a                   |                     |

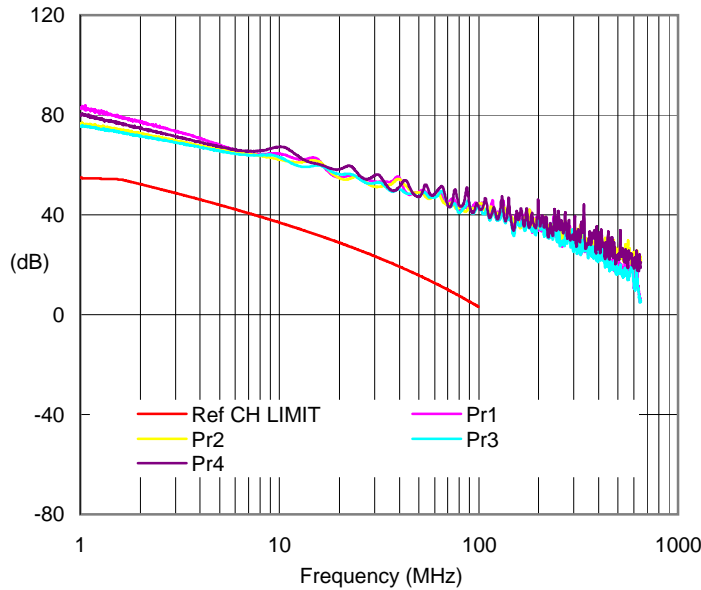
Pair-to-Pair ACR as measured from the WORK AREA (WA)



| Worst Case Margin |                       |                        |                       |                     |
|-------------------|-----------------------|------------------------|-----------------------|---------------------|
|                   | Frequency Point (MHz) | Calculated Margin (dB) | Calculated Value (dB) | CH LIMIT Value (dB) |
| Swept Freq        | 1.9                   | 17.9                   | 73.7                  | 55.7                |
| Discrete Points   | 1.00                  | 22.8                   | 80.5                  | 57.8                |
|                   | 4.00                  | 20.1                   | 69.1                  | 49.0                |
|                   | 8.00                  | 22.1                   | 64.3                  | 42.3                |
|                   | 10.00                 | 23.6                   | 63.5                  | 39.9                |
|                   | 16.00                 | 25.8                   | 60.3                  | 34.5                |
|                   | 20.00                 | 24.3                   | 56.1                  | 31.8                |
|                   | 25.00                 | 26.0                   | 54.9                  | 28.9                |
|                   | 31.25                 | 26.6                   | 52.5                  | 25.9                |
|                   | 62.50                 | 33.5                   | 48.5                  | 15.0                |
|                   | 100.00                | 35.8                   | 41.8                  | 6.1                 |
|                   | 200.00                |                        | 33.8                  | n/a                 |
|                   | 250.00                |                        | 30.5                  | n/a                 |
|                   | 300.00                |                        | 27.5                  | n/a                 |
|                   | 400.00                |                        | 23.2                  | n/a                 |
| 500.00            |                       | 18.9                   | n/a                   |                     |
| 650.00            |                       | 5.5                    | n/a                   |                     |



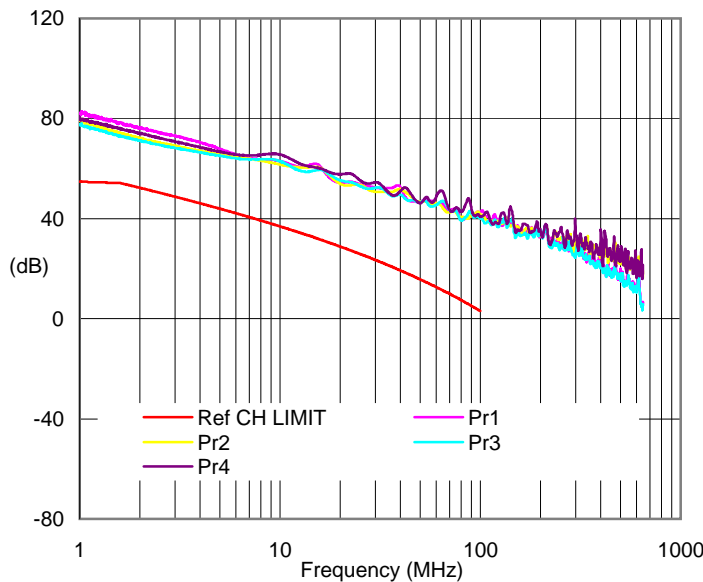
**Power Sum (PS) ACR as measured from the TELECOMMUNICATIONS ROOM (TR)**



**Worst Case Margin**

|                        | Frequency Point (MHz) | Calculated Margin (dB) | Calculated Value (dB) | CH LIMIT Value (dB) |
|------------------------|-----------------------|------------------------|-----------------------|---------------------|
| <b>Swept Freq</b>      | 1.7                   | 18.7                   | 72.6                  | 53.9                |
| <b>Discrete Points</b> | 1.00                  | 20.7                   | 75.5                  | 54.8                |
|                        | 4.00                  | 20.9                   | 67.0                  | 46.1                |
|                        | 8.00                  | 24.3                   | 63.6                  | 39.3                |
|                        | 10.00                 | 25.2                   | 62.1                  | 36.9                |
|                        | 16.00                 | 28.2                   | 59.7                  | 31.5                |
|                        | 20.00                 | 25.9                   | 54.7                  | 28.8                |
|                        | 25.00                 | 28.6                   | 54.6                  | 25.9                |
|                        | 31.25                 | 28.3                   | 51.2                  | 22.9                |
|                        | 62.50                 | 36.0                   | 48.0                  | 12.0                |
|                        | 100.00                | 39.9                   | 43.0                  | 3.1                 |
|                        | 200.00                |                        | 33.8                  | n/a                 |
|                        | 250.00                |                        | 31.9                  | n/a                 |
|                        | 300.00                |                        | 25.8                  | n/a                 |
|                        | 400.00                |                        | 25.5                  | n/a                 |
|                        | 500.00                |                        | 17.5                  | n/a                 |
|                        | 650.00                |                        | 5.1                   | n/a                 |

**Power Sum (PS) ACR as measured from the WORK AREA (WA)**

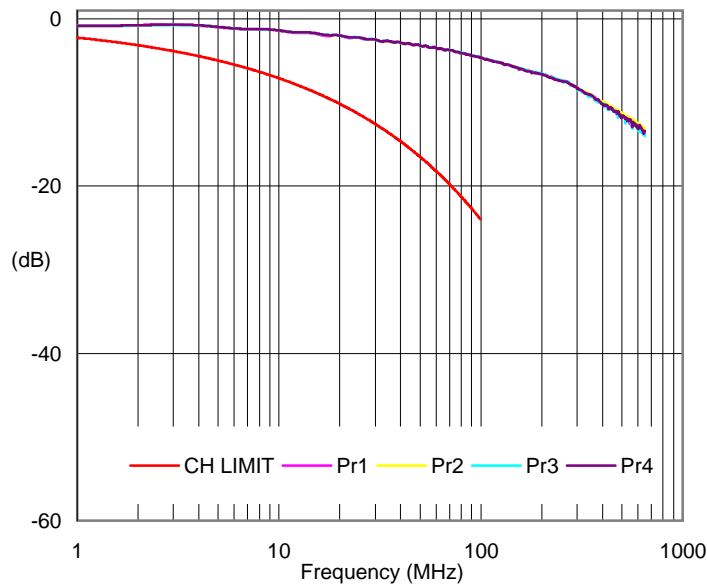


**Worst Case Margin**

|                        | Frequency Point (MHz) | Calculated Margin (dB) | Calculated Value (dB) | CH LIMIT Value (dB) |
|------------------------|-----------------------|------------------------|-----------------------|---------------------|
| <b>Swept Freq</b>      | 1.7                   | 18.6                   | 72.3                  | 53.7                |
| <b>Discrete Points</b> | 1.00                  | 23.1                   | 77.9                  | 54.8                |
|                        | 4.00                  | 20.4                   | 66.5                  | 46.1                |
|                        | 8.00                  | 24.0                   | 63.2                  | 39.3                |
|                        | 10.00                 | 24.7                   | 61.6                  | 36.9                |
|                        | 16.00                 | 27.9                   | 59.5                  | 31.5                |
|                        | 20.00                 | 25.1                   | 53.9                  | 28.8                |
|                        | 25.00                 | 27.1                   | 53.0                  | 25.9                |
|                        | 31.25                 | 27.8                   | 50.6                  | 22.9                |
|                        | 62.50                 | 33.8                   | 45.8                  | 12.0                |
|                        | 100.00                | 36.9                   | 40.0                  | 3.1                 |
|                        | 200.00                |                        | 32.9                  | n/a                 |
|                        | 250.00                |                        | 28.2                  | n/a                 |
|                        | 300.00                |                        | 25.8                  | n/a                 |
|                        | 400.00                |                        | 21.4                  | n/a                 |
|                        | 500.00                |                        | 17.1                  | n/a                 |
|                        | 650.00                |                        | 5.2                   | n/a                 |



INSERTION LOSS (ATTN)



| Worst Case Margin |                       |                        |                     |                     |
|-------------------|-----------------------|------------------------|---------------------|---------------------|
|                   | Frequency Point (MHz) | Calculated Margin (dB) | Measured Value (dB) | CH LIMIT Value (dB) |
| Swept Freq        | 1.00                  | 1.38                   | 0.86                | 2.24                |
| Discrete Points   | 1.00                  | 1.38                   | 0.9                 | 2.2                 |
|                   | 4.00                  | 3.65                   | 0.8                 | 4.5                 |
|                   | 8.00                  | 5.07                   | 1.3                 | 6.3                 |
|                   | 10.00                 | 5.69                   | 1.4                 | 7.1                 |
|                   | 16.00                 | 7.15                   | 1.9                 | 9.1                 |
|                   | 20.00                 | 8.16                   | 2.0                 | 10.2                |
|                   | 25.00                 | 9.17                   | 2.3                 | 11.4                |
|                   | 31.25                 | 10.21                  | 2.6                 | 12.9                |
|                   | 62.50                 | 15.00                  | 3.6                 | 18.6                |
|                   | 100.00                | 19.35                  | 4.7                 | 24.0                |
|                   | 200.00                |                        | 6.6                 | n/a                 |
|                   | 250.00                |                        | 7.4                 | n/a                 |
|                   | 300.00                |                        | 8.5                 | n/a                 |
|                   | 400.00                |                        | 10.2                | n/a                 |
| 500.00            |                       | 11.7                   | n/a                 |                     |
| 650.00            |                       | 14.0                   | n/a                 |                     |

GLOSSARY of TERMS

- Calculated Margin:** The minimum difference in dB between the measured value and the CH LIMIT value at the specified frequency point for all tested pairs ( $CalculateMargin_{RL100MHz} = MeasuredValue_{RL100MHz} - CH\ LIMITValue_{RL100MHz}$  (dB)).
- Discrete Points:** Specific reference points of interest in MHz within the swept frequencies.
- Frequency Point:** A specific frequency point in megahertz (MHz) for which the data indicated is applicable.
- CH LIMIT Value:** The calculated response CH LIMIT in dB at the indicated frequency point as calculated using applicable equations defined by the appropriate standard.
- Measured Value:** The worst case measured response in dB at the frequency indicated for all tested pairs.
- Swept Freq:** The band of measured values from 1 MHz to the upper frequency CH LIMIT as defined by the category of test.
- Swept Freq (Margin):** The minimum margin in dB detected across the Swept Frequency band.
- Worst Case:** A composite value calculated from the maximum response of each pair or pair combination at a given frequency. ( $WorstCase_{RL100MHz} = Max(Pr1_{RL100MHz}, Pr2_{RL100MHz}, Pr3_{RL100MHz}, Pr4_{RL100MHz})$ )