

DCM Test Report

| | | |
|--------------------------------|-------------------------------------|---|
| Cable Type : 4x2x23 x PE/LSZH | Factory Number : PHOENIX | Data File Name : DA187448.D3S |
| Cable I.D. : S/FTP#23X4P CABLE | Order Number : 1168 BI-15 260126101 | Specification File : IEC CAT7-305M.S3S |
| Temperature : 25.00 °C | Relative Humidity : 50 % | Test Date/Time : 01/14/2026 08:51:10 PM |
| Length : 305.00 m | Number of Pairs to Test : 4 | Operator : L B2024102100201/604/R1 |
| Starting Position : 25 | | Analyzer Type : ENA |

Pass - Fail Test Certificate - 4 Pairs

High Frequency

| Test Type | Test Result |
|---|-------------|
| Input Impedance(Zin)(Ohms) | OK |
| Return Loss (RL)(dB) | OK |
| Return Loss (RL-Far End)(dB) | OK |
| Insertion Loss (IL)(Curve Fit)(dB/328.0 ft)@20C | OK |
| Near End Crosstalk Loss (NEXT)(dB) | OK |
| Near End Crosstalk Loss (NEXT-Far End)(dB) | OK |
| Power Sum NEXT(PSNEXT)(dB) | OK |
| Power Sum NEXT(PSNEXT_Far End)(dB) | OK |

Low Frequency

| Test Type | Test Result |
|---|-------------|
| Conductor Resistance(Ohms/100.0 m)@20C | OK |
| Resistance Unbalance(%) | OK |
| Mutual Capacitance(nF/100.0 m)@1000Hz | OK |
| Cap. Unbalance to Ground(pF/100.0 m)@1000Hz | OK |

| | | |
|------------|-----------|-------|
| Signature: | Approved: | Date: |
|------------|-----------|-------|

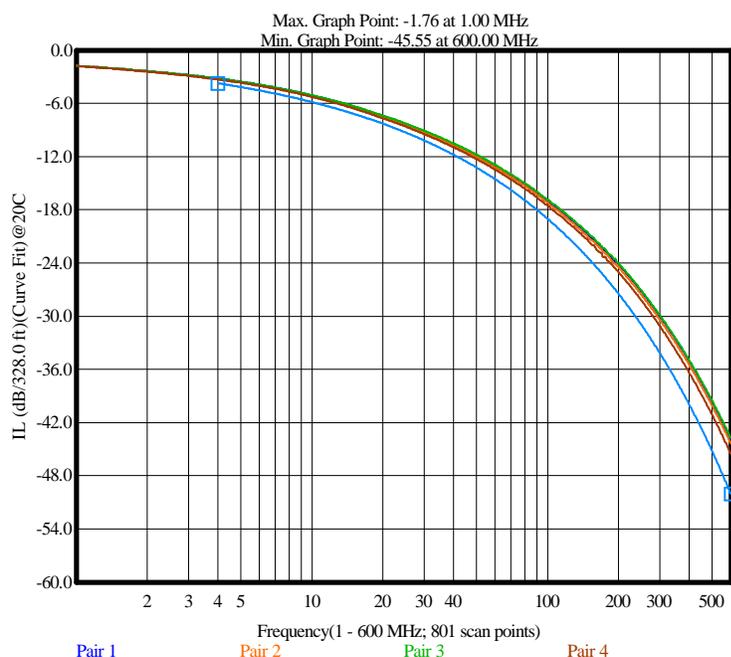
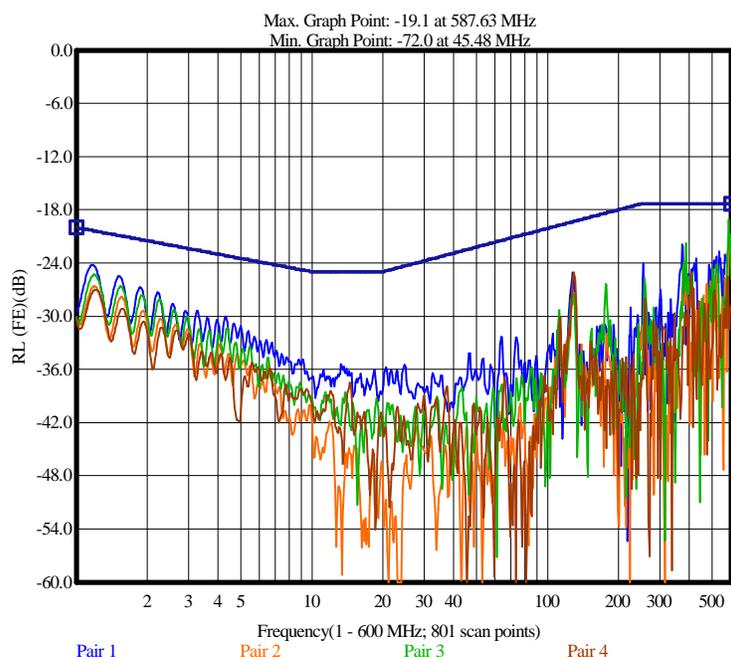
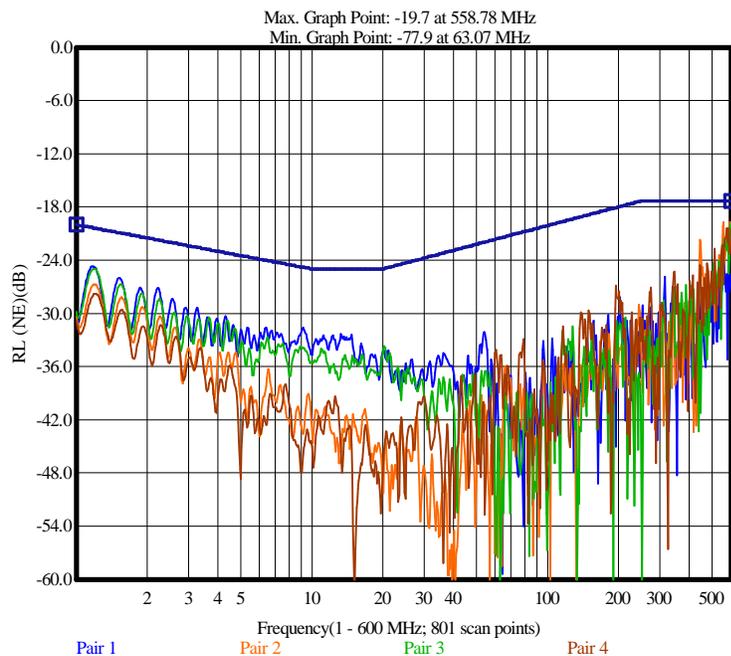
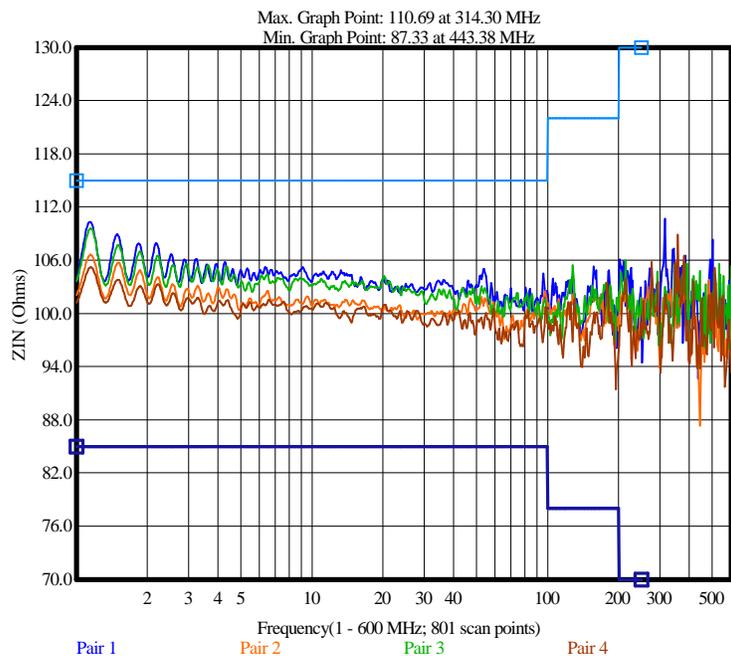
DCM Test Report

| | | |
|--------------------------------|-------------------------------------|---|
| Cable Type : 4x2x23 x PE/LSZH | Factory Number : PHOENIX | Data File Name : DA187448.D3S |
| Cable I.D. : S/FTP#23X4P CABLE | Order Number : 1168 BI-15 260126101 | Specification File : IEC CAT7-305M.S3S |
| Temperature : 25.00 °C | Relative Humidity : 50 % | Test Date/Time : 01/14/2026 08:51:10 PM |
| Length : 305.00 m | Number of Pairs to Test : 4 | Operator : L B2024102100201/604/R1 |
| Starting Position : 25 | | Analyzer Type : ENA |

Worst Case Summary

High Frequency

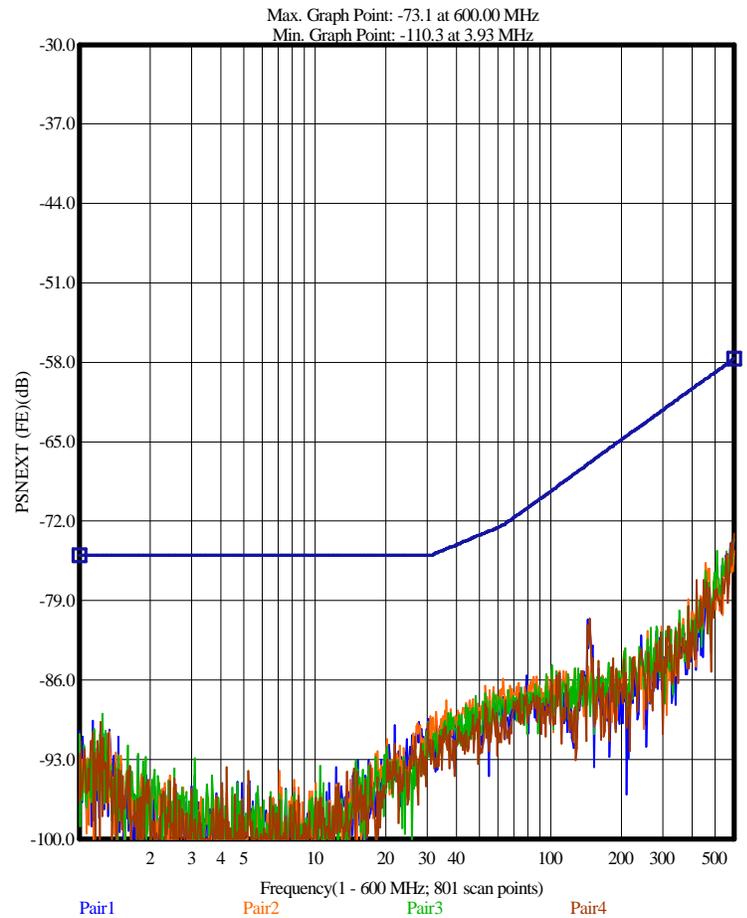
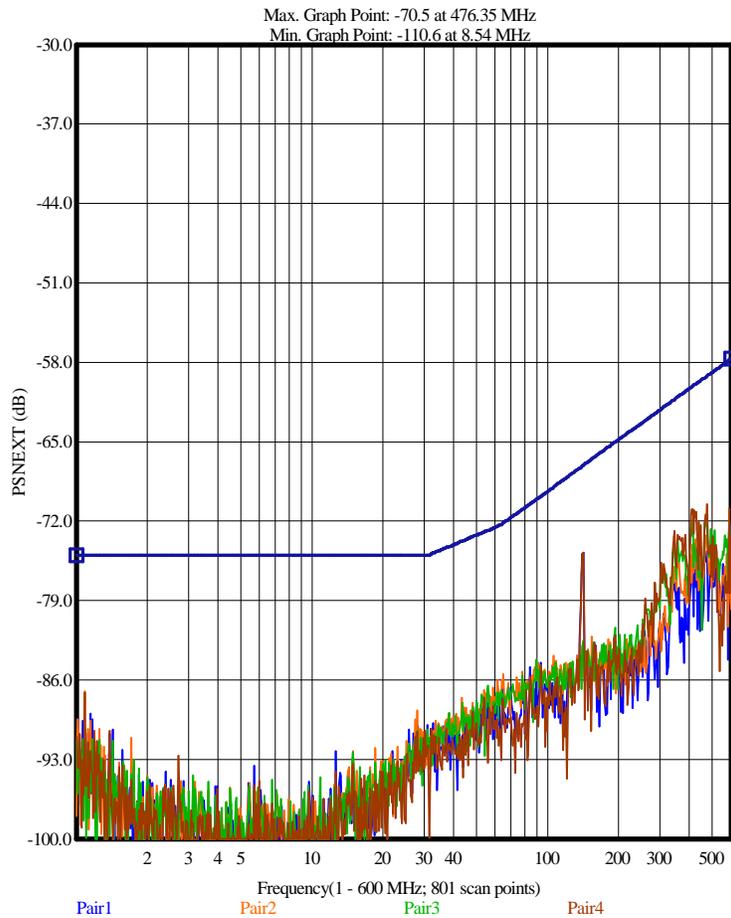
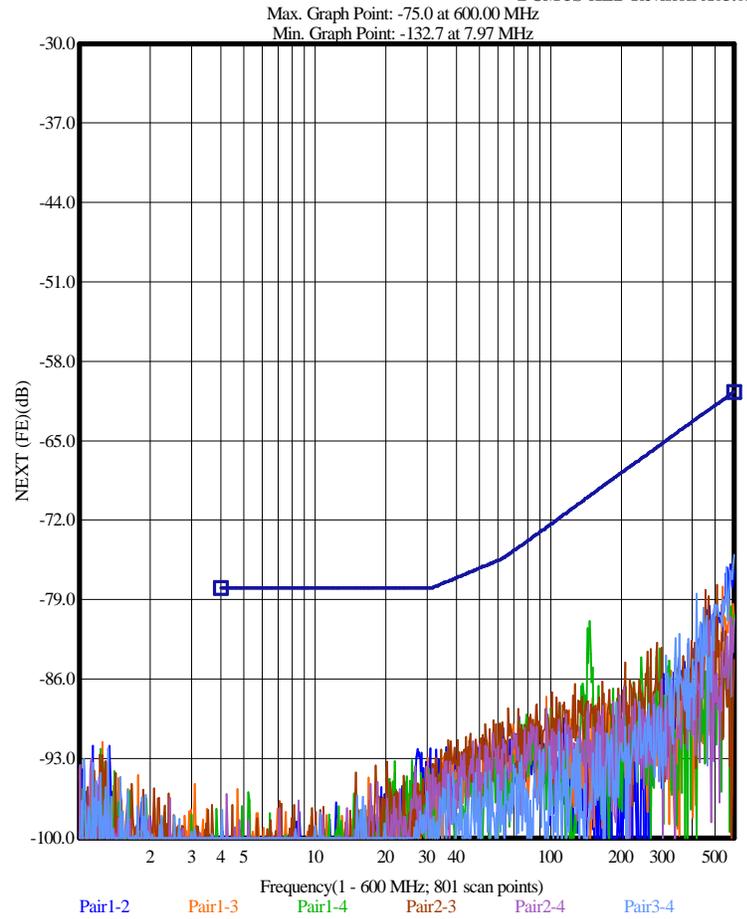
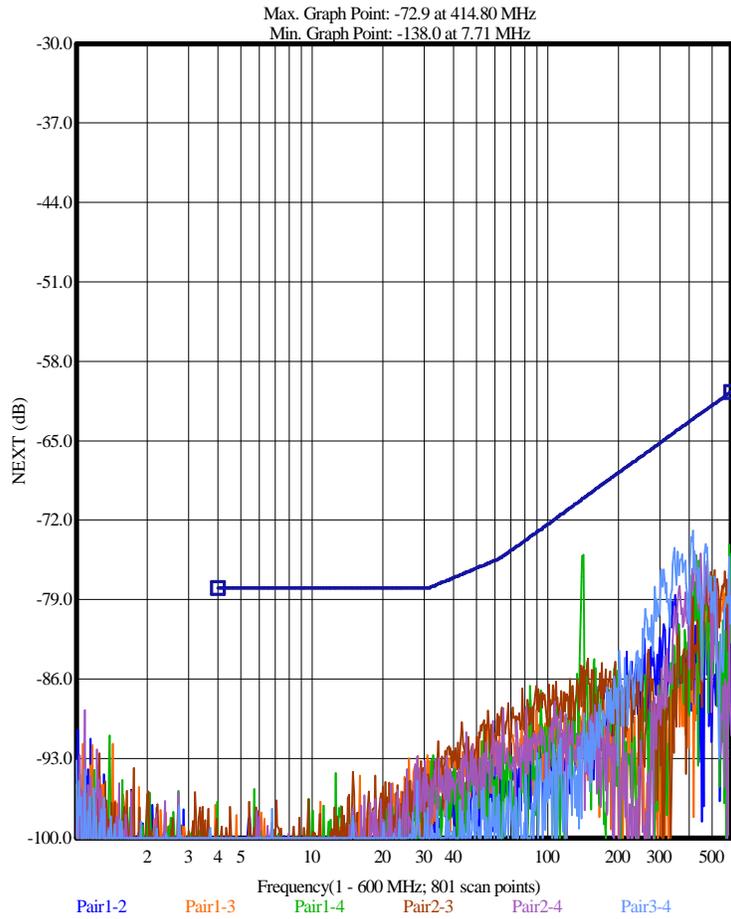
| Test Type | Specification | Measured (Pair) | Margin | @ Frequency (MHz) | Test Result |
|--|---------------|------------------|--------|-------------------|-------------|
| Input Impedance(Zin) | 85.00 (Min) | 96.27 (Pair 4) | 11.27 | 78.37 | Passed |
| Input Impedance(Zin) | 115.00 (Max) | 110.32 (Pair 1) | 4.68 | 1.14 | Passed |
| Return Loss (RL) | 17.3 (Min) | 19.7 (Pair 2) | 2.4 | 558.78 | Passed |
| Return Loss (RL-Far End) | 17.3 (Min) | 19.1 (Pair 3) | 1.8 | 587.63 | Passed |
| Insertion Loss (IL)(Curve Fit)@20C | 3.75 (Max) | 3.33 (Pair 4) | 0.42 | 4.03 | Passed |
| Near End Crosstalk Loss (NEXT) | 70.1 (Min) | 75.1 (Pairs 1-4) | 5.0 | 141.70 | Passed |
| Near End Crosstalk Loss (NEXT-Far End) | 69.9 (Min) | 80.9 (Pairs 1-4) | 11.0 | 146.28 | Passed |
| Power Sum NEXT(PSNEXT) | 67.1 (Min) | 74.8 (Pair 1) | 7.7 | 141.70 | Passed |
| Power Sum NEXT(PSNEXT_Far End) | 74.4 (Min) | 87.8 (Pair 2) | 13.4 | 36.23 | Passed |



N/A = Not Applicable.
 --- = Disable/Bypassed Pair.

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 ISTEP



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ISTP

Worst Case Summary

Low Frequency

| Statistical Parameter | Maximum | | Minimum | | Average Maximum | | Standard Deviation | | Result |
|---|------------|----------|------------|----------|-----------------|----------|--------------------|----------|--------|
| | Spec Limit | Measured | Spec Limit | Measured | Spec Limit | Measured | Spec Limit | Measured | |
| Conductor Resistance(Ohms/100.0 m)@20C | 9.38 | 6.10 | xxx | 5.97 | xxx | 6.02 | xxx | 0.038 | Passed |
| Resistance Unbalance(%) | 5.00 | 1.05 | xxx | 0.07 | xxx | 0.40 | xxx | 0.382 | Passed |
| Mutual Capacitance(nF/100.0 m)@1000Hz | 5.60 | 4.80 | xxx | 4.71 | xxx | 4.75 | xxx | 0.038 | Passed |
| Cap. Unbalance to Ground(pF/100.0 m)@1000Hz | 330 | 37 | xxx | 5 | xxx | 28 | xxx | 13.3 | Passed |

Detail: Resistance/Capacitance Measurement -Normalized

| Test Types | Conductor Resistance Ra @20C | Conductor Resistance Rb @20C | Resistance Unbalance | Mutual Capacitance @1000 Hz | Capacitance Unbalance to Ground @1000 Hz | Test Result |
|-------------|------------------------------|------------------------------|----------------------|-----------------------------|--|--------------------------------------|
| Unit | Ohms/100.0 m | Ohms/100.0 m | % | nF/100.0 m | pF/100.0 m | |
| Max Spec | 9.38 | 9.38 | 5.00 | 5.60 | 330 | |
| Min Spec | xxx | xxx | xxx | xxx | xxx | |
| Pair 1 [25] | 6.04 | 6.10 | 1.05 | 4.72 | 36 | Passed Passed Passed Passed |
| Pair 2 [26] | 6.00 | 6.02 | 0.20 | 4.77 | 33 | |
| Pair 3 [27] | 6.02 | 6.03 | 0.27 | 4.71 | 37 | |
| Pair 4 [28] | 5.97 | 5.98 | 0.07 | 4.80 | 5 | |

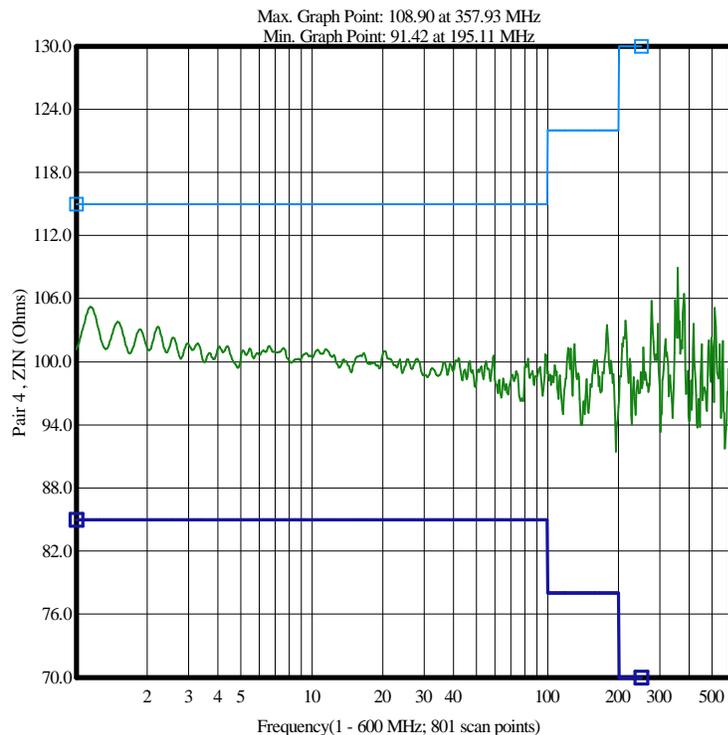
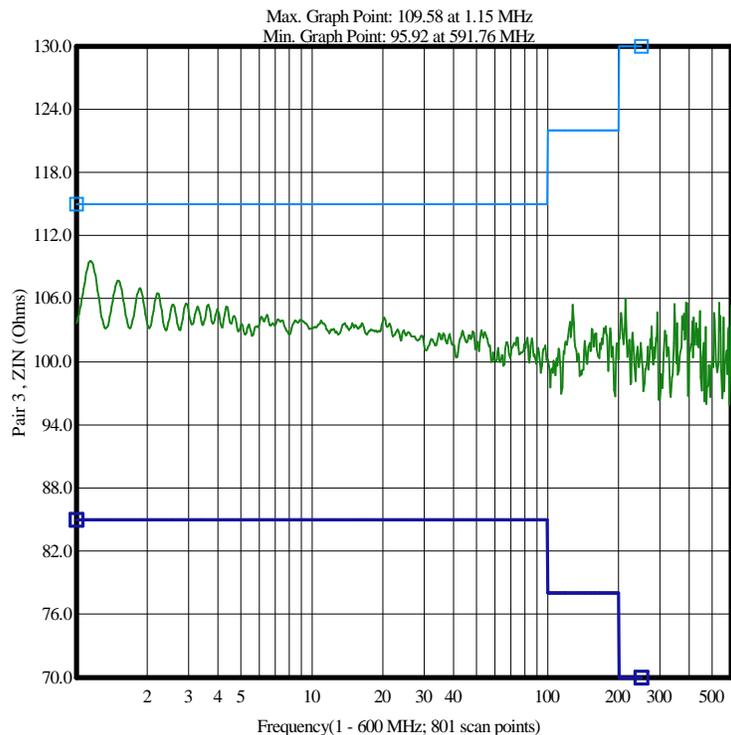
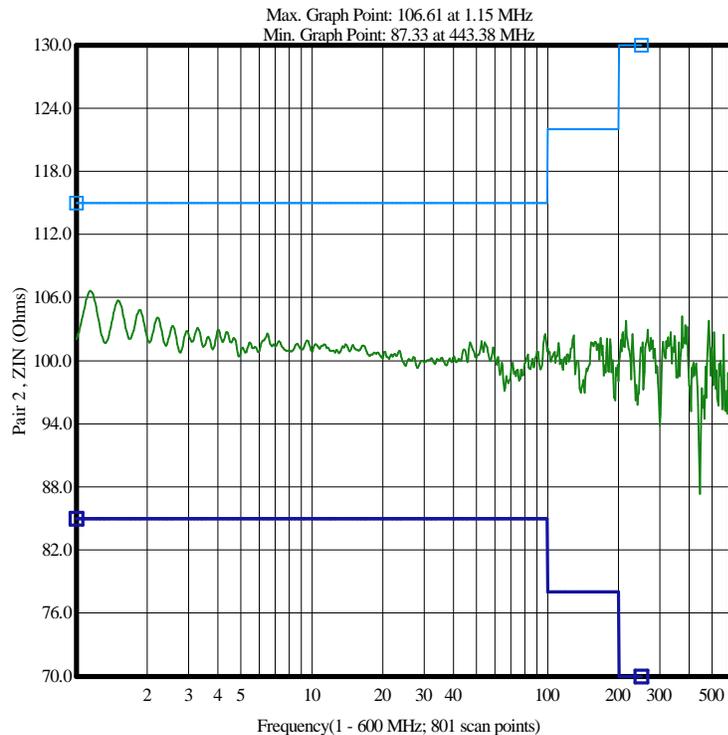
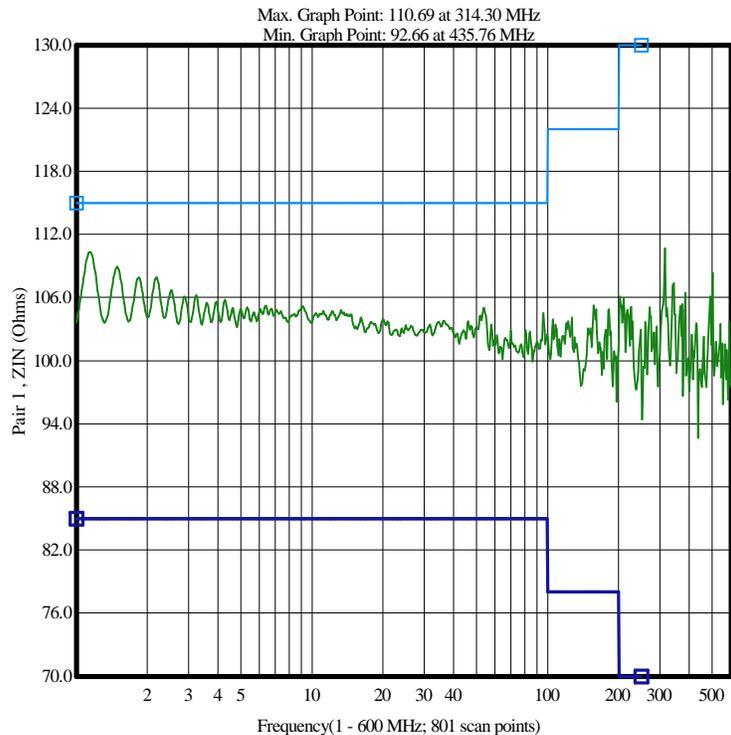
N/A = Not Applicable.
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ISTP

Summary and Graphic: Input Impedance(Zin)

| Pair | Specification | | Measured(Ohms) | | Margin (Ohms) | | @ Frequency (MHz) | | Test Result |
|-------------|---------------|---------|----------------|---------|---------------|---------|-------------------|---------|-------------|
| | Minimum | Maximum | Minimum | Maximum | Minimum | Maximum | Minimum | Maximum | |
| Pair 1 [25] | 85.00 | 115.00 | 99.92 | 110.32 | 14.92 | 4.68 | 86.23 | 1.14 | Passed |
| Pair 2 [26] | 85.00 | 115.00 | 97.11 | 106.61 | 12.11 | 8.39 | 65.67 | 1.15 | Passed |
| Pair 3 [27] | 85.00 | 115.00 | 98.92 | 109.58 | 13.92 | 5.42 | 93.75 | 1.15 | Passed |
| Pair 4 [28] | 85.00 | 115.00 | 96.27 | 105.21 | 11.27 | 9.79 | 78.37 | 1.15 | Passed |



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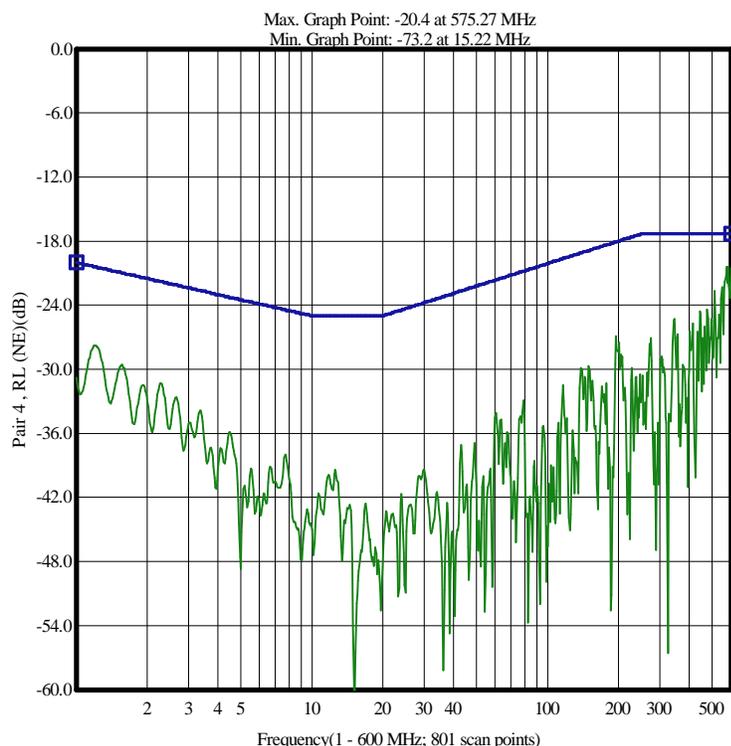
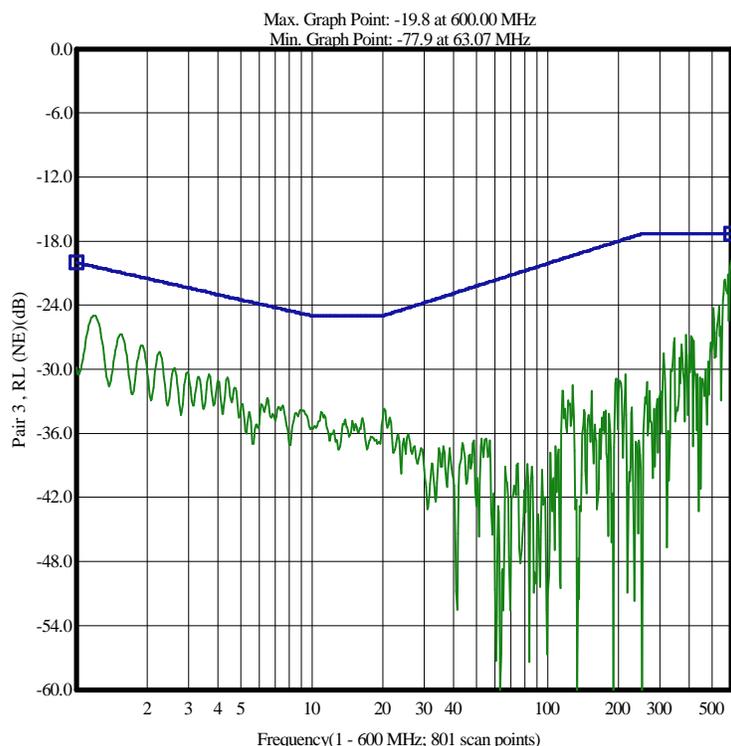
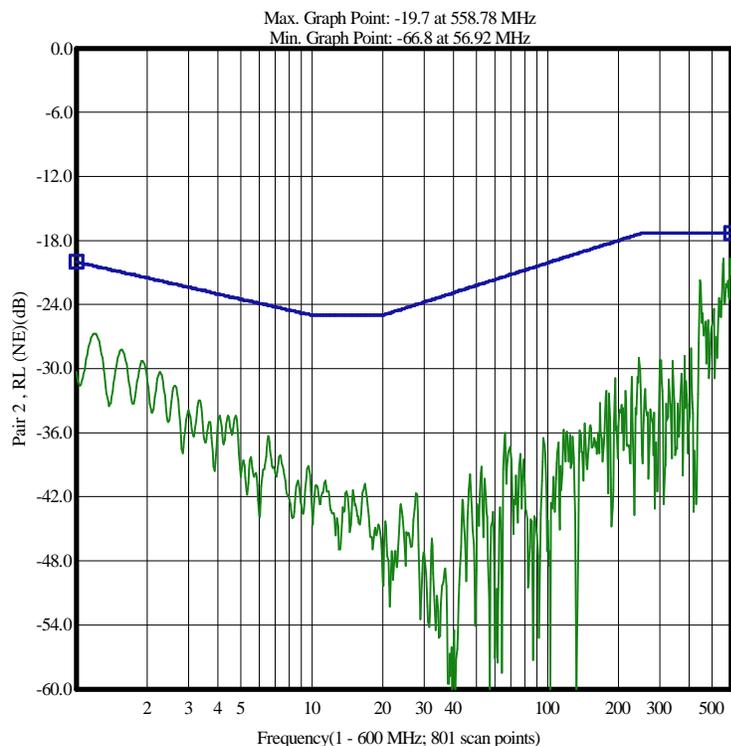
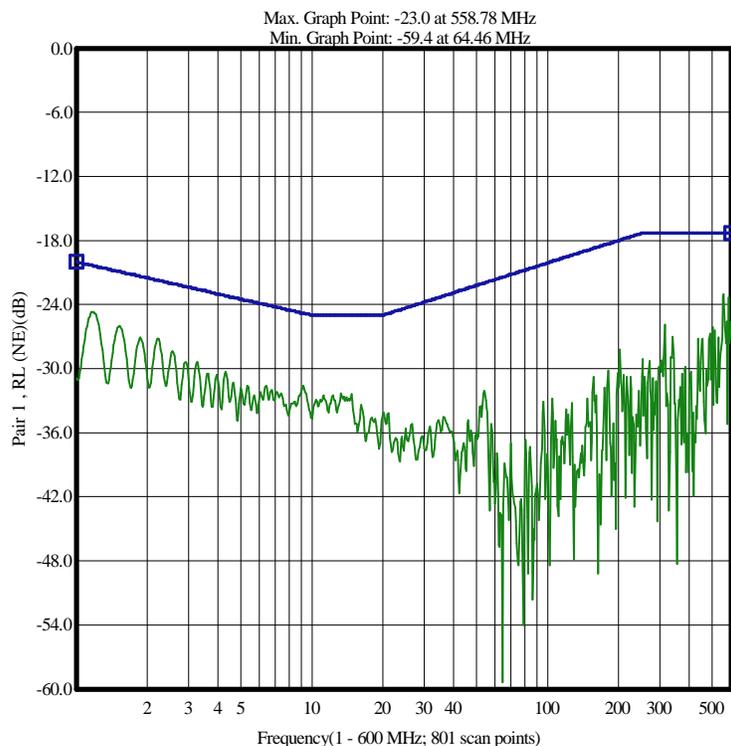
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ISTP

Summary and Graphic: Return Loss (RL)

(Formula): $RL \geq 20.0 + 5.0 * \text{Log}(f/1.0)$; $25.0 + 0.0 * \text{Log}(f/1.0)$; $25.0 - 7.0 * \text{Log}(f/20.0)$; $0.0 + 10.0 * \text{Log}(f/600.0)$; $0.0 + 0.0 * \text{Log}(f/1.0)$; Min=-17.3

| Pair | Spec (Min)(dB) | Measured(dB) | Margin (dB) | @ Frequency (MHz) | Test Result |
|-------------|----------------|--------------|-------------|-------------------|-------------|
| Pair 1 [25] | 20.4 | 24.7 | 4.3 | 1.18 | Passed |
| Pair 2 [26] | 17.3 | 19.7 | 2.4 | 558.78 | Passed |
| Pair 3 [27] | 17.3 | 19.8 | 2.5 | 600.00 | Passed |
| Pair 4 [28] | 17.3 | 20.4 | 3.1 | 575.27 | Passed |



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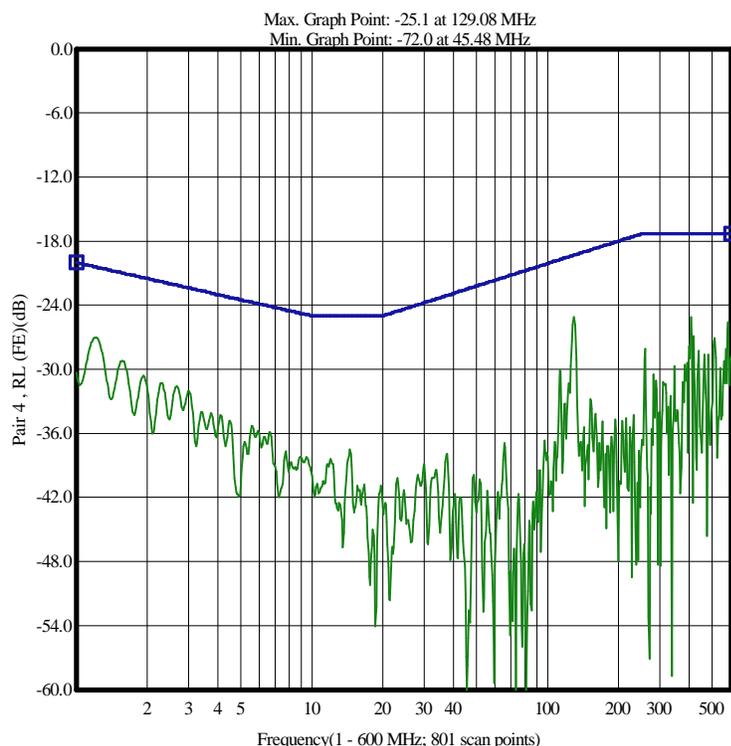
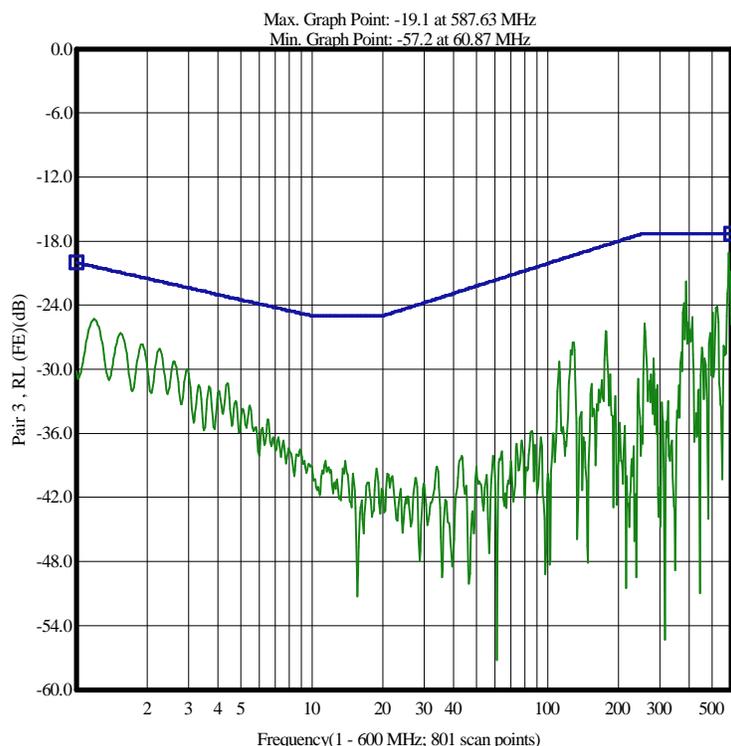
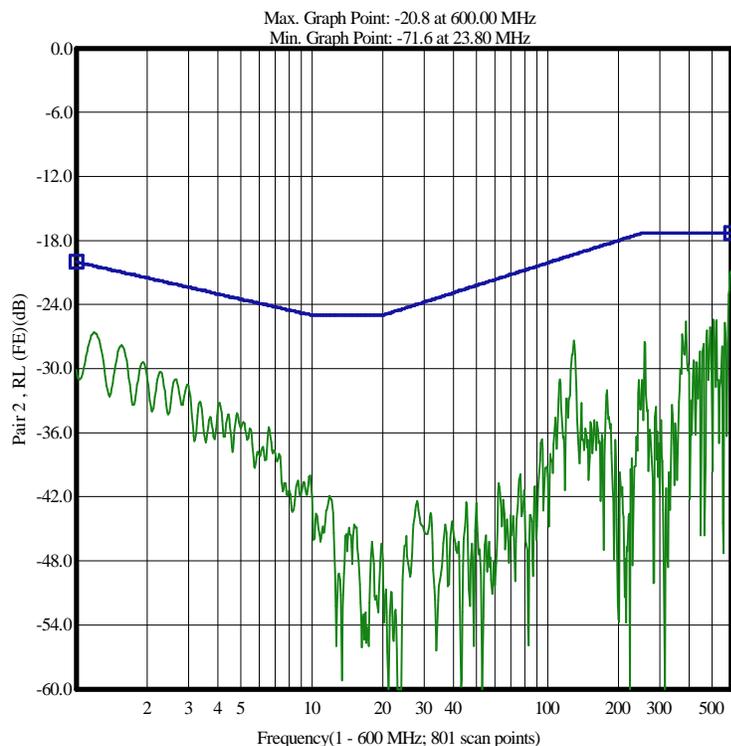
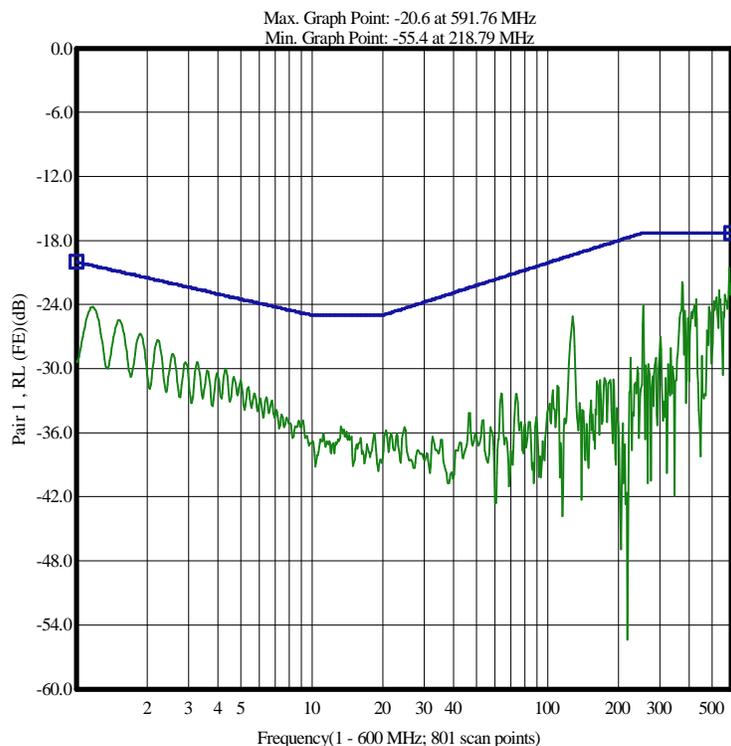
* = Measured value out of spec.
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ISTP

Summary and Graphic: Return Loss (RL_FE)

(Formula): $RL \geq 20.0 + 5.0 * \text{Log}(f/1.0)$; $25.0 + 0.0 * \text{Log}(f/1.0)$; $25.0 + -7.0 * \text{Log}(f/20.0)$; $0.0 + 10.0 * \text{Log}(f/600.0)$; $0.0 + 0.0 * \text{Log}(f/1.0)$; Min=-17.3

| Pair | Spec (Min)(dB) | Measured(dB) | Margin (dB) | @ Frequency (MHz) | Test Result |
|-------------|----------------|--------------|-------------|-------------------|-------------|
| Pair 1 [25] | 17.3 | 20.6 | 3.3 | 591.76 | Passed |
| Pair 2 [26] | 17.3 | 20.8 | 3.5 | 600.00 | Passed |
| Pair 3 [27] | 17.3 | 19.1 | 1.8 | 587.63 | Passed |
| Pair 4 [28] | 19.3 | 25.1 | 5.8 | 129.08 | Passed |



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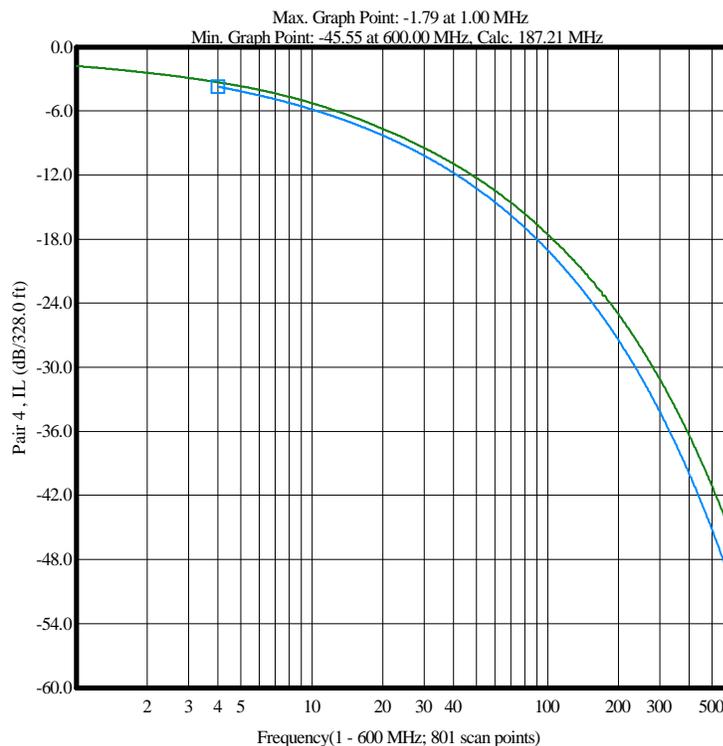
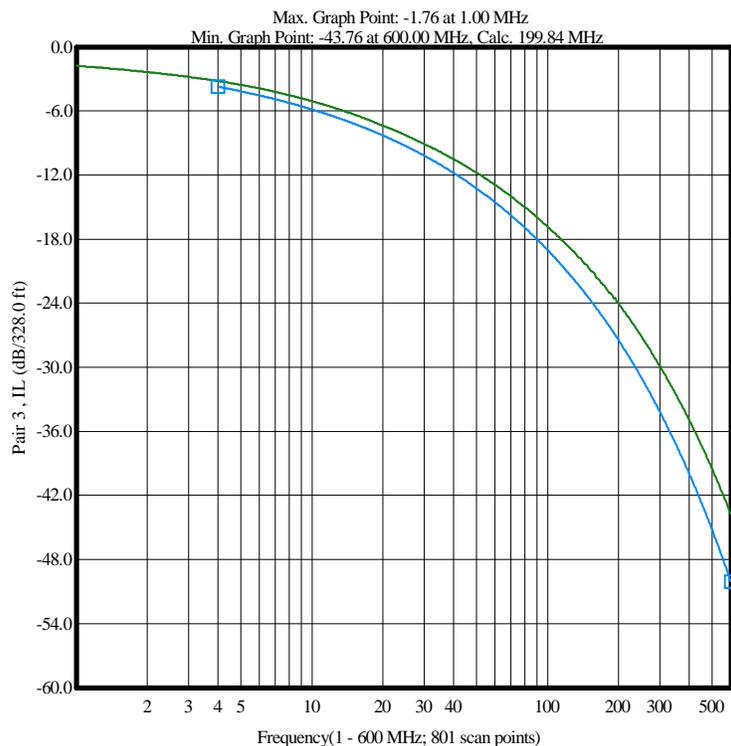
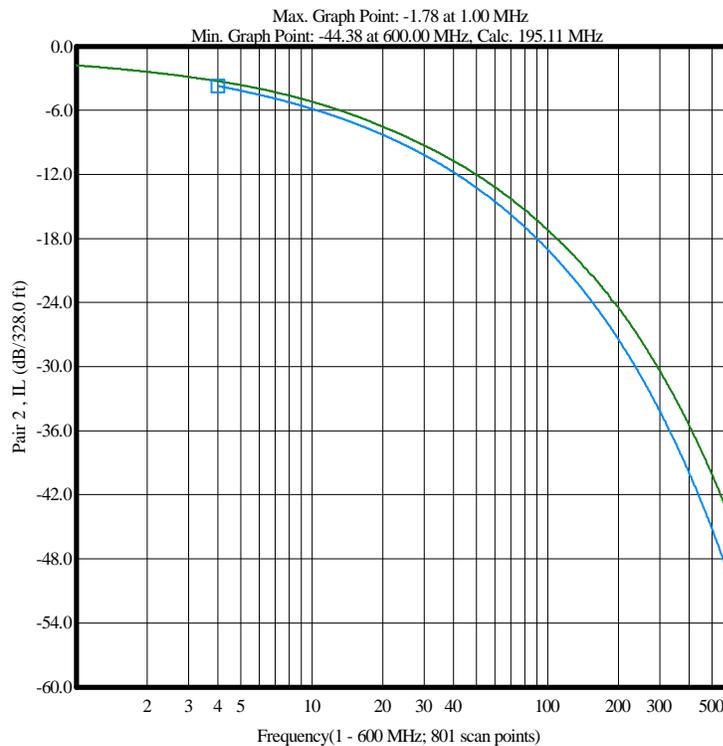
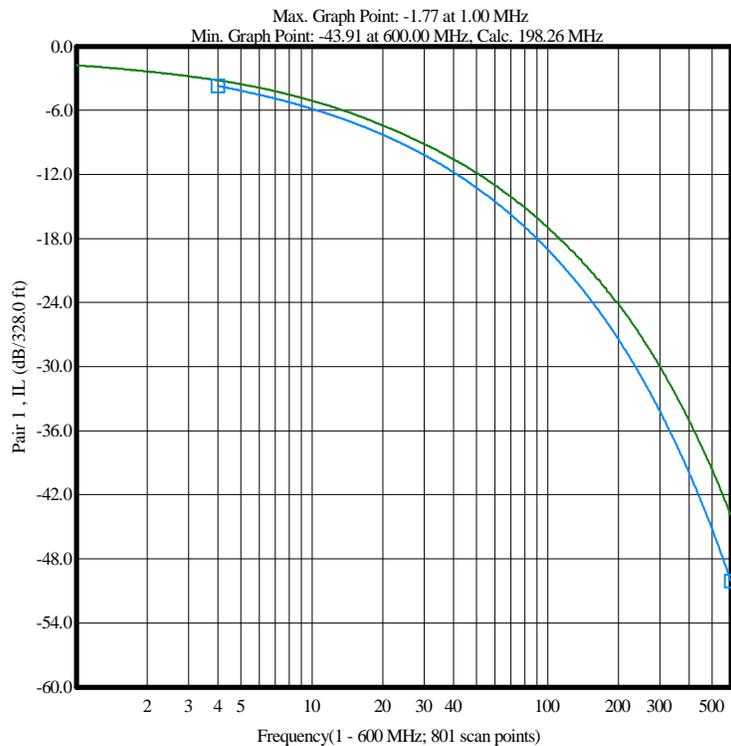
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ISTP

Summary and Graphic: Insertion Loss (IL)(Curve Fit)@20C

(Formula): $IL \leq [(1.800 * \sqrt{f}) + (0.010 * f) + (0.200 * \sqrt{f})] * 1.000 * \text{Stranded Factor}$ (Refer to manual)

| Pair | Spec (Max)(dB/328.0 ft) | Measured(dB/328.0 ft) | Margin (dB/328.0 ft) | @ Frequency (MHz) | Test Result |
|-------------|-------------------------|-----------------------|----------------------|-------------------|-------------|
| Pair 1 [25] | 3.75 | 3.21 | 0.54 | 4.03 | Passed |
| Pair 2 [26] | 3.75 | 3.28 | 0.47 | 4.03 | Passed |
| Pair 3 [27] | 3.75 | 3.21 | 0.54 | 4.03 | Passed |
| Pair 4 [28] | 3.75 | 3.33 | 0.42 | 4.03 | Passed |



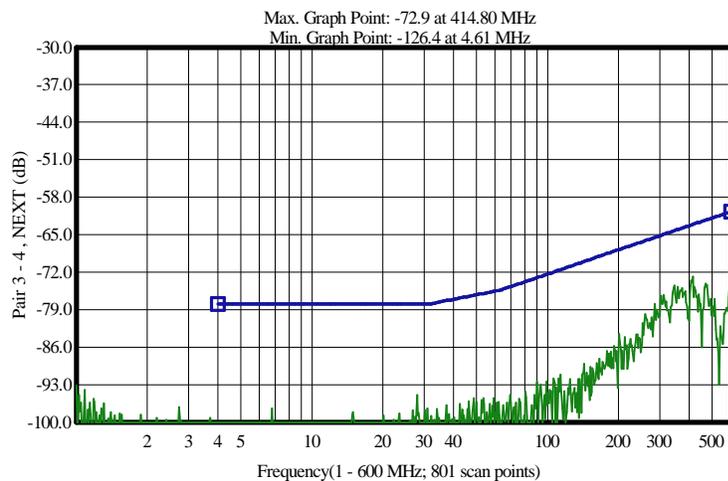
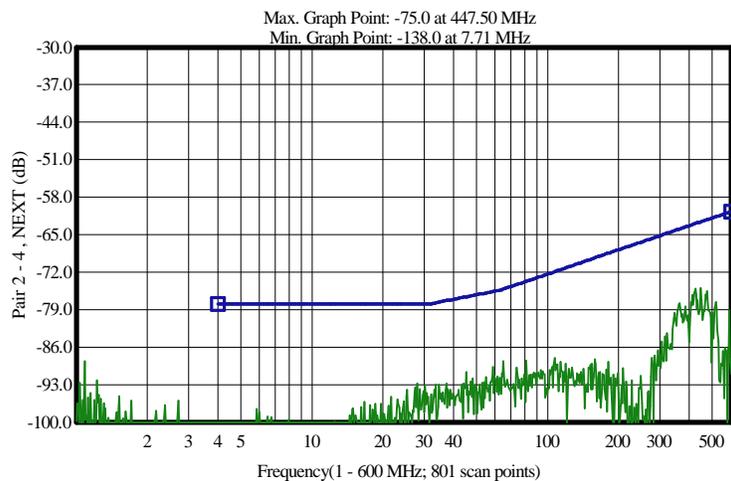
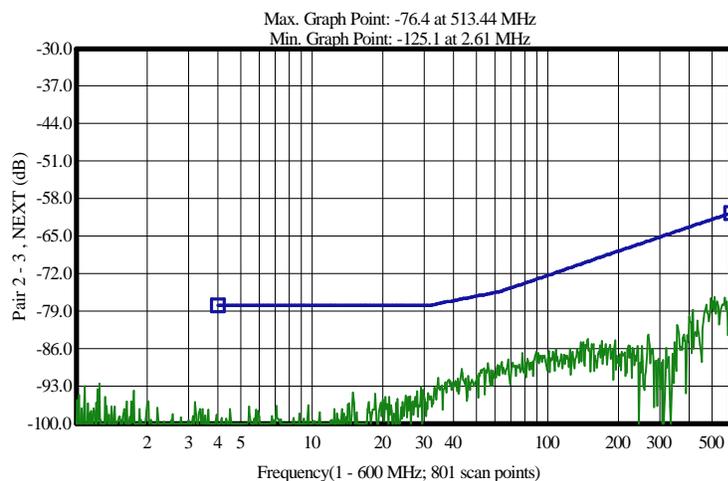
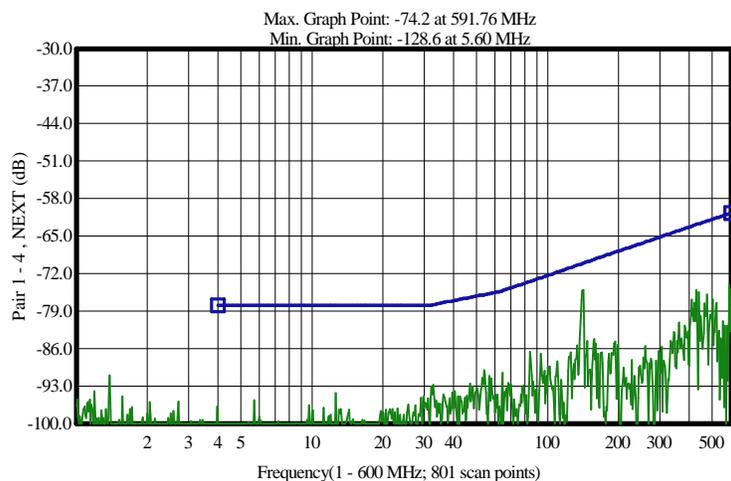
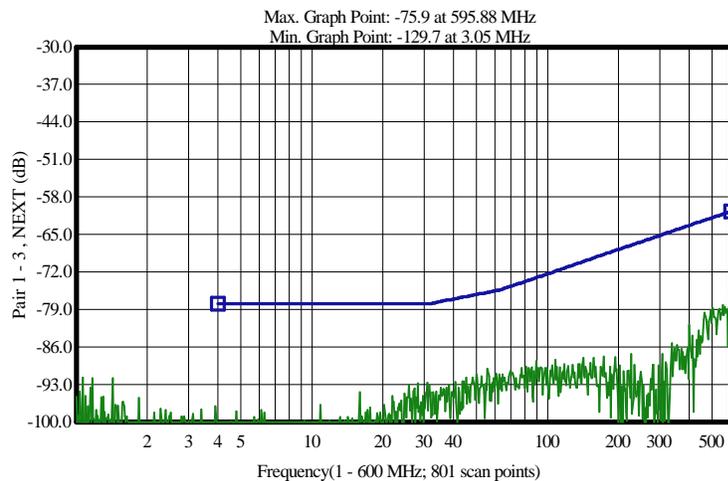
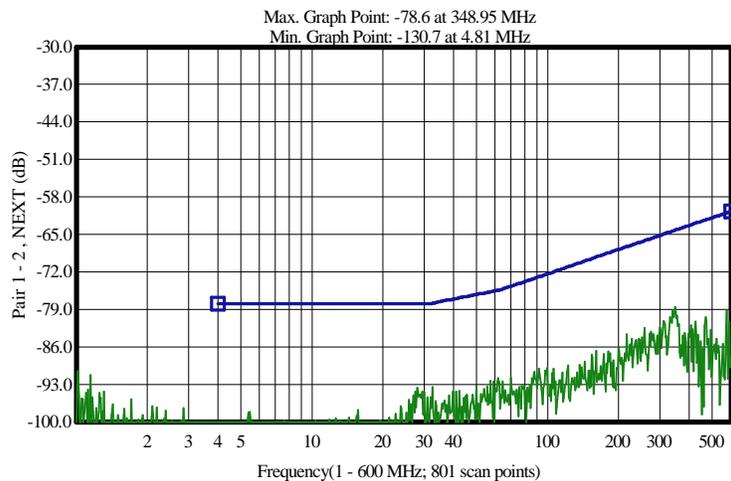
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Summary and Graphic: Near End Crosstalk Loss (NEXT)

| Pair | Spec (Min)(dB) | Measured(dB) | Margin (dB) | @ Frequency (MHz) | Test Result |
|------------|----------------|--------------|-------------|-------------------|-------------|
| Pair 1 - 2 | 64.2 | 78.6 | 14.4 | 348.95 | Passed |
| Pair 1 - 3 | 75.8 | 90.1 | 14.3 | 55.60 | Passed |
| Pair 1 - 4 | 70.1 | 75.1 | 5.0 | 141.70 | Passed |
| Pair 2 - 3 | 74.0 | 86.9 | 12.9 | 78.37 | Passed |
| Pair 2 - 4 | 62.9 | 75.1 | 12.2 | 423.78 | Passed |
| Pair 3 - 4 | 63.1 | 72.9 | 9.8 | 414.80 | Passed |



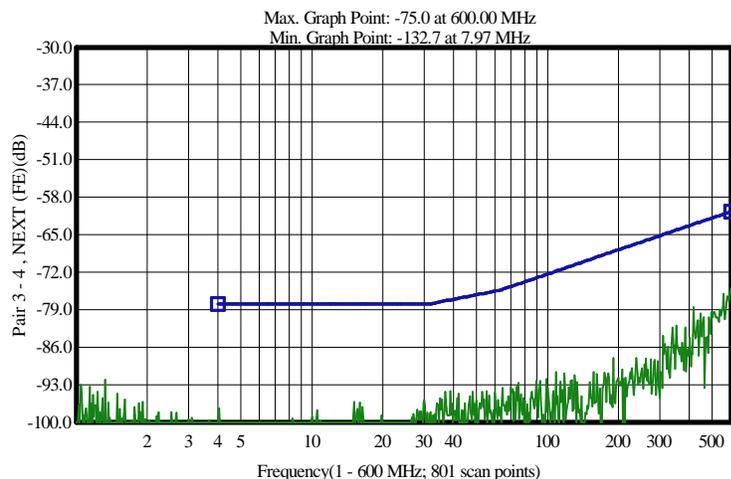
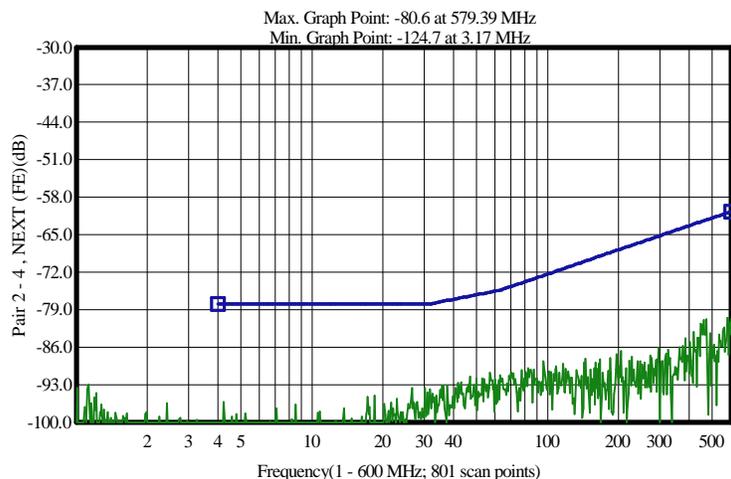
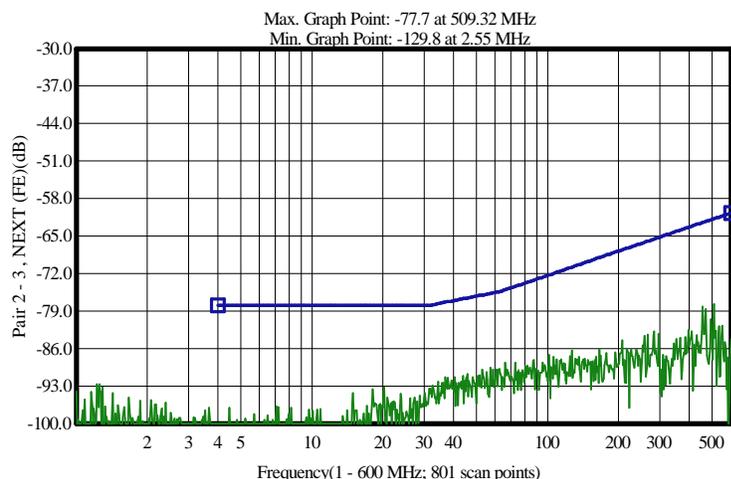
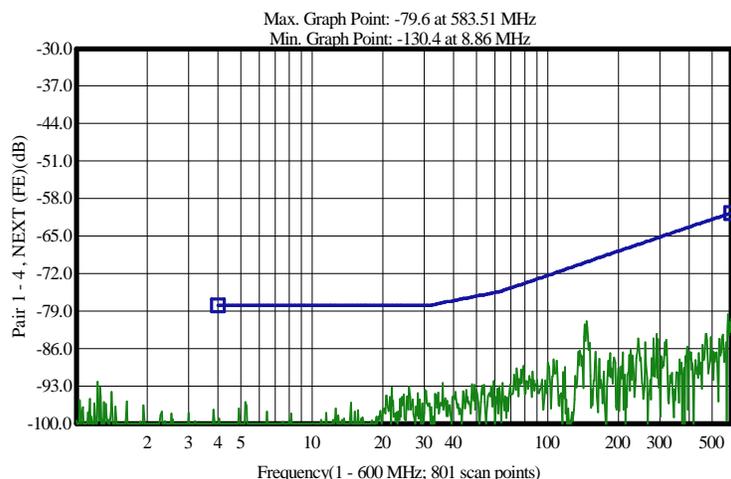
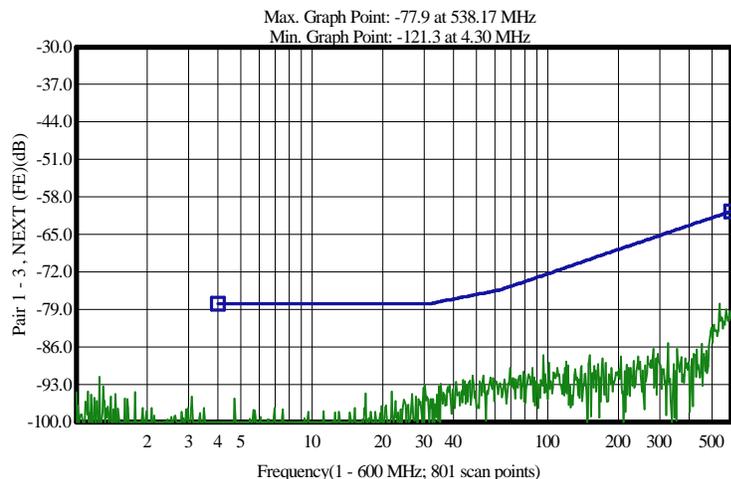
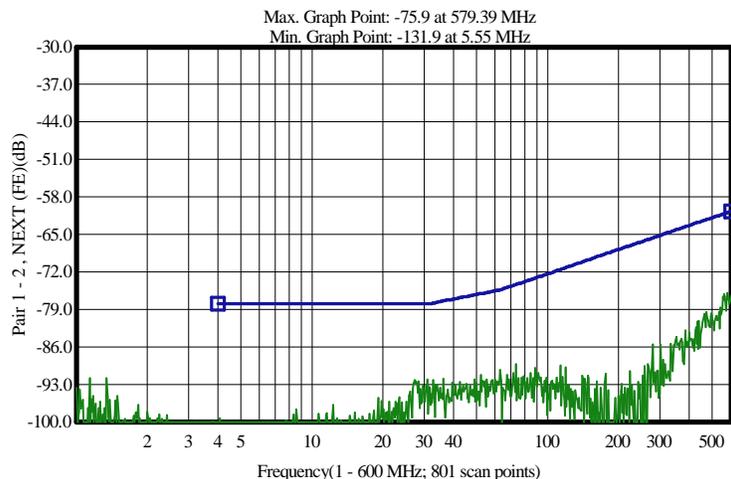
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Summary and Graphic: Near End Crosstalk Loss (NEXT-Far End)

| Pair | Spec (Min)(dB) | Measured(dB) | Margin (dB) | @ Frequency (MHz) | Test Result |
|------------|----------------|--------------|-------------|-------------------|-------------|
| Pair 1 - 2 | 78.0 | 92.1 | 14.1 | 30.96 | Passed |
| Pair 1 - 3 | 78.0 | 93.0 | 15.0 | 30.27 | Passed |
| Pair 1 - 4 | 69.9 | 80.9 | 11.0 | 146.28 | Passed |
| Pair 2 - 3 | 75.0 | 88.6 | 13.6 | 66.27 | Passed |
| Pair 2 - 4 | 76.5 | 91.5 | 15.0 | 46.81 | Passed |
| Pair 3 - 4 | 60.7 | 75.0 | 14.3 | 600.00 | Passed |



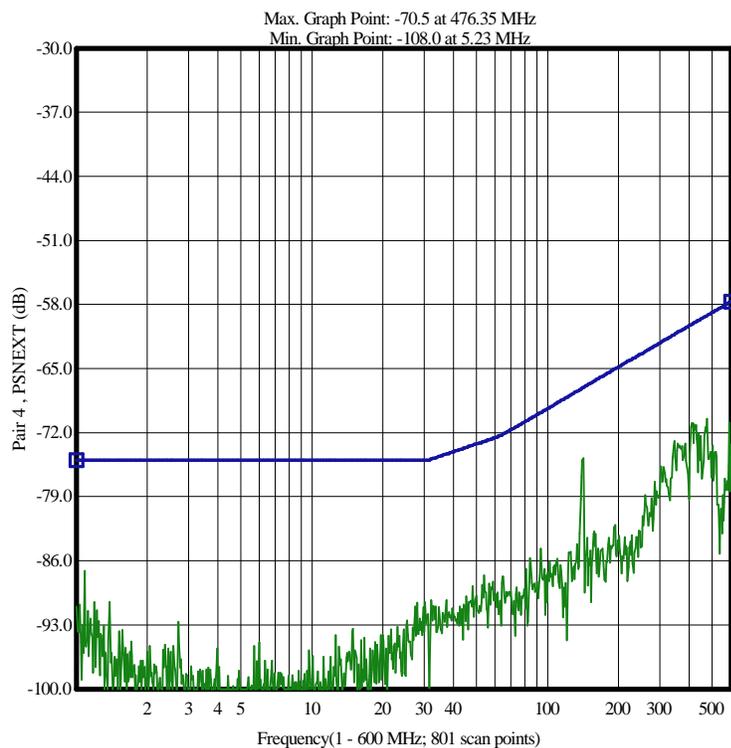
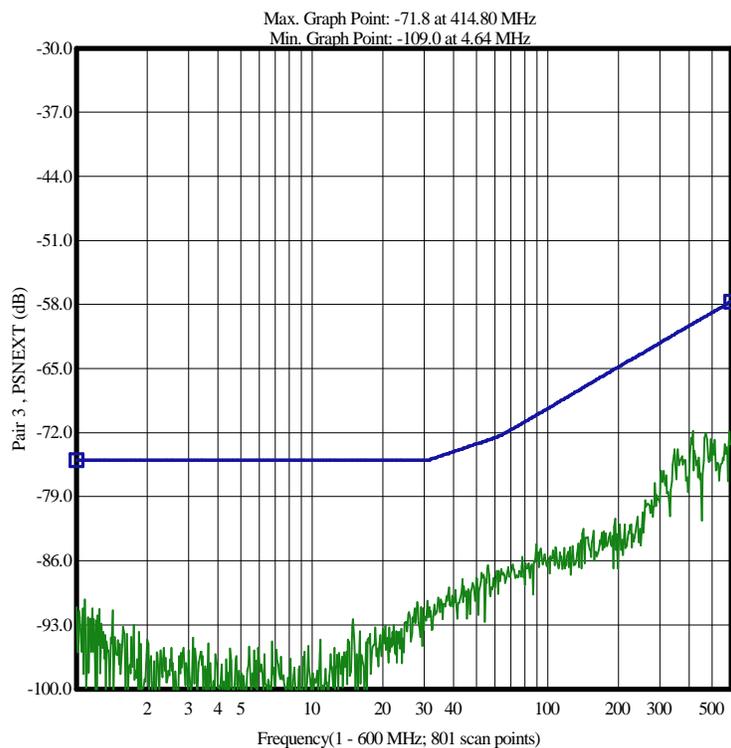
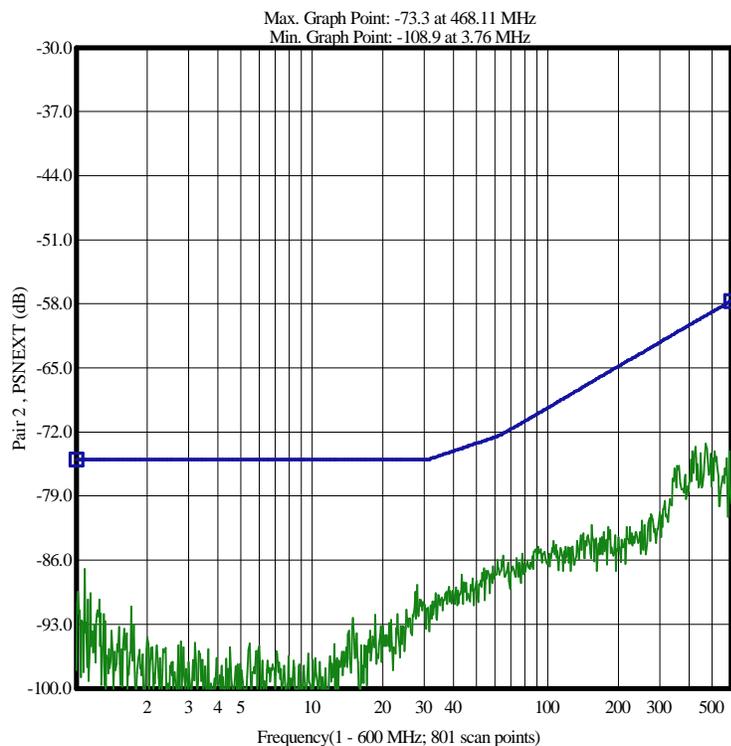
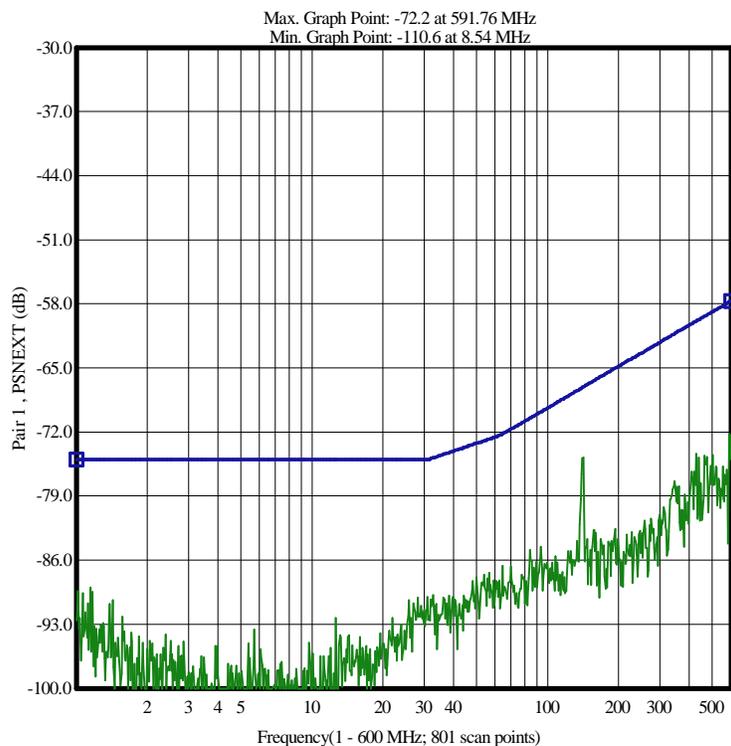
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Summary and Graphic: Power Sum NEXT(PSNEXT)

| Pair | Spec (Min)(dB) | Measured(dB) | Margin (dB) | @ Frequency (MHz) | Test Result |
|-------------|----------------|--------------|-------------|-------------------|-------------|
| Pair 1 [25] | 67.1 | 74.8 | 7.7 | 141.70 | Passed |
| Pair 2 [26] | 75.0 | 87.0 | 12.0 | 1.08 | Passed |
| Pair 3 [27] | 60.1 | 71.8 | 11.7 | 414.80 | Passed |
| Pair 4 [28] | 67.1 | 74.8 | 7.7 | 141.70 | Passed |



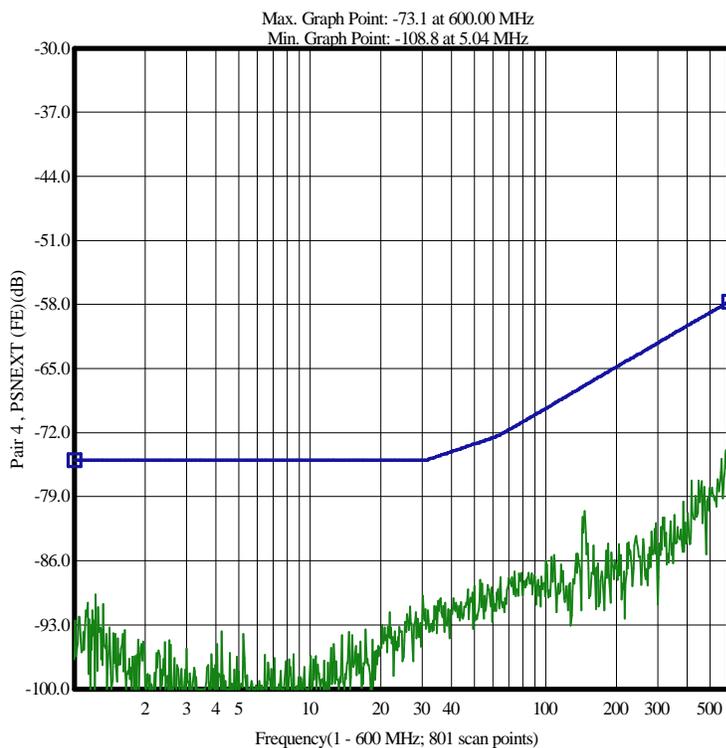
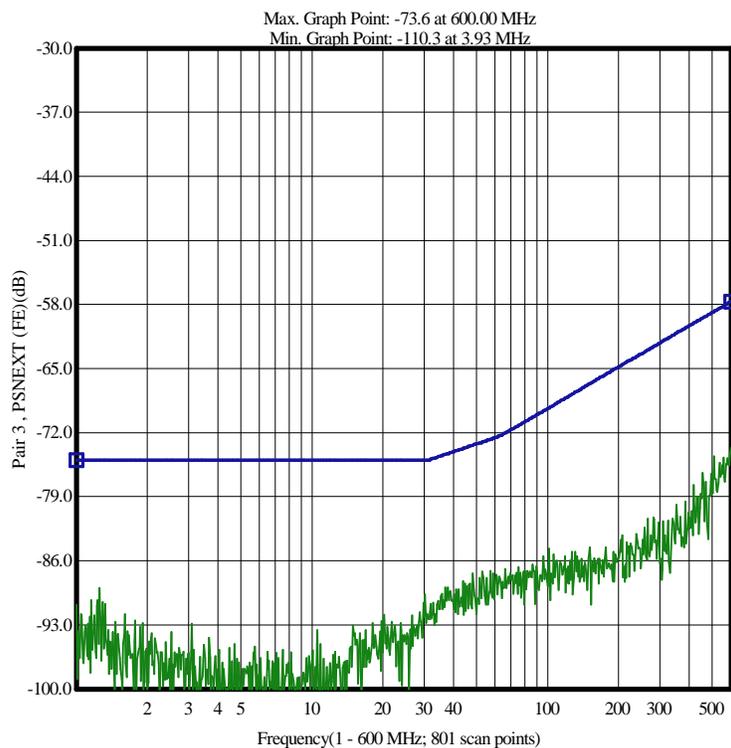
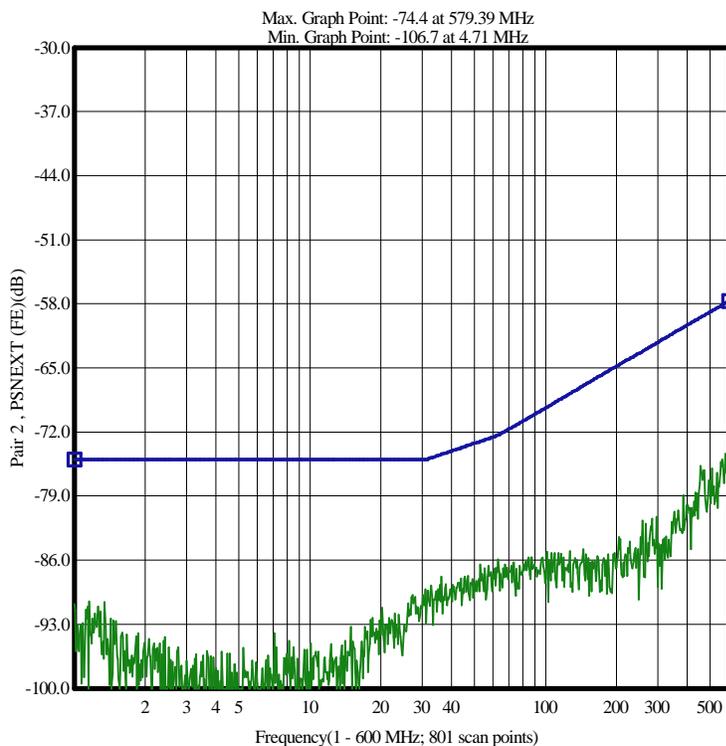
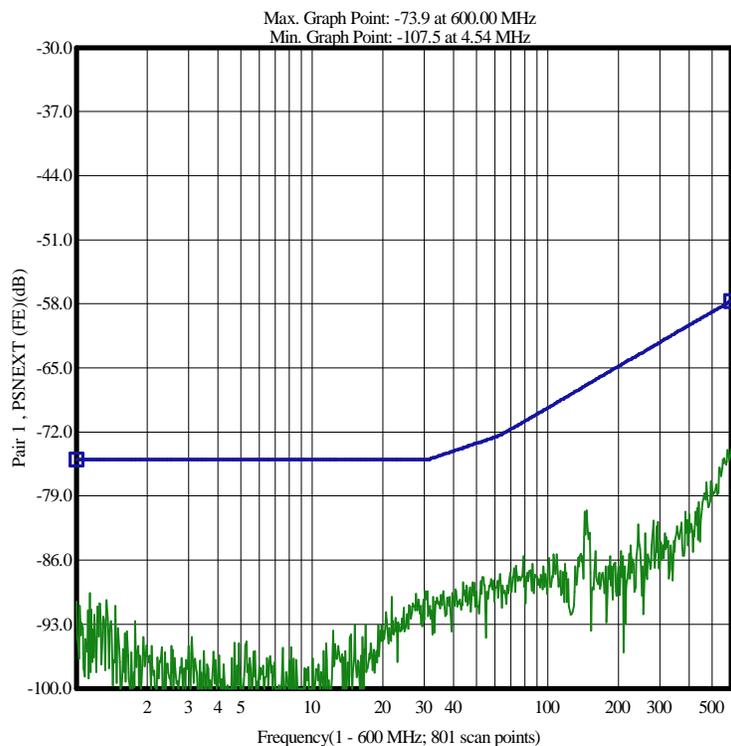
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Summary and Graphic: Power Sum NEXT(PSNEXT_Far End)

| Pair | Spec (Min)(dB) | Measured(dB) | Margin (dB) | @ Frequency (MHz) | Test Result |
|-------------|----------------|--------------|-------------|-------------------|-------------|
| Pair 1 [25] | 67.0 | 80.7 | 13.7 | 143.99 | Passed |
| Pair 2 [26] | 74.4 | 87.8 | 13.4 | 36.23 | Passed |
| Pair 3 [27] | 75.0 | 89.0 | 14.0 | 1.25 | Passed |
| Pair 4 [28] | 66.9 | 80.6 | 13.7 | 146.28 | Passed |



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NEXT SWEEP - Worst Margin (dB) (Negative sign indicates a failure.)

| Dv/Rc | 2 | 3 | 4 |
|-------|------|------|------|
| 1 | 14.4 | 14.3 | 5.0 |
| 2 | ... | 12.9 | 12.2 |
| 3 | ... | ... | 9.8 |

NEXT SWEEP - Worst Frequency (MHz)

| Dv/Rc | 2 | 3 | 4 |
|-------|-----|------|-----|
| 1 | 349 | 55.6 | 142 |
| 2 | ... | 78.4 | 424 |
| 3 | ... | ... | 415 |

Detail Discrete Frequencies ---Input Impedance(Zin)(Ohms)

| Frequency | 1.00 | 4.00 | 8.00 | 10.00 | 16.00 | 20.00 | 25.00 | 31.25 | 62.50 | 99.90 |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max Spec | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 |
| Min Spec | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 |
| Pair 1 [25] | 103.61 | 104.78 | 103.84 | 103.63 | 103.79 | 103.90 | 103.31 | 103.19 | 100.83 | 102.38 |
| Pair 2 [26] | 102.04 | 102.93 | 100.94 | 100.84 | 101.03 | 100.29 | 99.51 | 100.05 | 99.31 | 100.97 |
| Pair 3 [27] | 103.63 | 104.86 | 102.61 | 103.17 | 103.32 | 103.88 | 102.51 | 101.48 | 100.24 | 100.25 |
| Pair 4 [28] | 101.17 | 101.28 | 100.12 | 100.44 | 100.56 | 100.82 | 99.72 | 98.63 | 98.25 | 98.96 |

Continue:Input Impedance(Zin)(Ohms)

| Frequency | 100.00 | 125.00 | 155.00 | 199.90 | 200.00 | 250.00 | | | | |
|-------------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| Max Spec | 122.00 | 122.00 | 122.00 | 122.00 | 132.00 | 132.00 | | | | |
| Min Spec | 78.00 | 78.00 | 78.00 | 78.00 | 68.00 | 68.00 | | | | |
| Pair 1 [25] | 102.33 | 102.37 | 102.12 | 101.08 | 101.26 | 99.32 | | | | |
| Pair 2 [26] | 101.01 | 100.63 | 101.61 | 98.09 | 98.20 | 101.05 | | | | |
| Pair 3 [27] | 100.24 | 103.16 | 103.09 | 100.32 | 100.46 | 101.01 | | | | |
| Pair 4 [28] | 98.99 | 100.17 | 98.27 | 95.70 | 95.74 | 98.35 | | | | |

Detail Discrete Frequencies ---Return Loss (RL)(dB)

(Formula): $RL \geq 20.0 + 5.0 * \log(f/1.0)$; $25.0 + 0.0 * \log(f/1.0)$; $25.0 + -7.0 * \log(f/20.0)$; $0.0 + 10.0 * \log(f/600.0)$; $0.0 + 0.0 * \log(f/1.0)$; Min=17.3

| Frequency | 1.00 | 4.00 | 8.00 | 10.00 | 16.00 | 20.00 | 25.00 | 31.25 | 62.50 | 100.00 |
|-------------|------|------|------|-------|-------|-------|-------|-------|-------|--------|
| Min Spec | 20.0 | 23.0 | 24.5 | 25.0 | 25.0 | 25.0 | 24.3 | 23.6 | 21.5 | 20.1 |
| Pair 1 [25] | 30.9 | 31.0 | 34.2 | 34.7 | 34.3 | 34.3 | 35.7 | 36.0 | 46.6 | 38.7 |
| Pair 2 [26] | 30.3 | 35.0 | 42.1 | 43.4 | 44.4 | 50.1 | 47.9 | 53.8 | 45.8 | 45.6 |
| Pair 3 [27] | 29.8 | 31.1 | 36.8 | 35.5 | 35.5 | 34.4 | 37.7 | 42.6 | 46.0 | 53.8 |
| Pair 4 [28] | 30.8 | 39.3 | 40.1 | 45.0 | 47.8 | 47.6 | 49.8 | 42.7 | 37.7 | 45.7 |

Continue:Return Loss (RL)(dB)

| Frequency | 200.00 | 250.00 | 300.00 | 350.00 | 400.00 | 500.00 | 600.00 | | | |
|-------------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| Min Spec | 18.0 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | | | |
| Pair 1 [25] | 31.6 | 33.2 | 29.7 | 35.9 | 31.7 | 27.4 | 25.6 | | | |
| Pair 2 [26] | 35.2 | 34.6 | 29.3 | 37.9 | 34.9 | 25.8 | 21.2 | | | |
| Pair 3 [27] | 32.0 | 50.2 | 32.3 | 34.5 | 28.7 | 27.8 | 19.8 | | | |
| Pair 4 [28] | 28.3 | 32.8 | 31.7 | 28.1 | 30.0 | 28.0 | 20.5 | | | |

Detail Discrete Frequencies ---Return Loss (RL-FE)(dB)

(Formula): $RL \geq 20.0 + 5.0 * \log(f/1.0)$; $25.0 + 0.0 * \log(f/1.0)$; $25.0 + -7.0 * \log(f/20.0)$; $0.0 + 10.0 * \log(f/600.0)$; $0.0 + 0.0 * \log(f/1.0)$; Min=17.3

| Frequency | 1.00 | 4.00 | 8.00 | 10.00 | 16.00 | 20.00 | 25.00 | 31.25 | 62.50 | 100.00 |
|-------------|------|------|------|-------|-------|-------|-------|-------|-------|--------|
| Min Spec | 20.0 | 23.0 | 24.5 | 25.0 | 25.0 | 25.0 | 24.3 | 23.6 | 21.5 | 20.1 |
| Pair 1 [25] | 29.3 | 30.7 | 35.1 | 37.0 | 36.8 | 38.2 | 36.1 | 38.8 | 35.6 | 34.0 |
| Pair 2 [26] | 30.1 | 33.7 | 41.4 | 42.1 | 50.9 | 48.8 | 46.3 | 45.1 | 41.0 | 39.6 |
| Pair 3 [27] | 30.2 | 32.2 | 37.5 | 39.2 | 43.3 | 41.6 | 42.2 | 44.1 | 38.5 | 40.3 |
| Pair 4 [28] | 30.3 | 35.5 | 39.4 | 40.0 | 41.7 | 43.1 | 43.6 | 45.9 | 43.6 | 38.0 |

Continue:Return Loss (RL-FE)(dB)

| Frequency | 200.00 | 250.00 | 300.00 | 350.00 | 400.00 | 500.00 | 600.00 | | | |
|-------------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| Min Spec | 18.0 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | | | |
| Pair 1 [25] | 35.8 | 31.7 | 27.7 | 31.2 | 31.0 | 28.1 | 22.0 | | | |
| Pair 2 [26] | 53.4 | 32.7 | 40.3 | 35.8 | 31.1 | 37.0 | 20.8 | | | |
| Pair 3 [27] | 38.4 | 36.9 | 42.6 | 44.2 | 27.4 | 26.2 | 25.8 | | | |
| Pair 4 [28] | 47.3 | 37.6 | 40.1 | 34.8 | 27.9 | 33.2 | 28.8 | | | |

N/A = Not Applicable.
--- = Disable/Bypassed Pair.

* = Measured value out of spec.
xxx = No entry.

*** = Measured value is invalid.
ISTP

Detail Discrete Frequencies ---Insertion Loss (IL)(dB/328.0 ft)(Curve Fit)@20C

(Formula: $IL \leq [(1.800 * \sqrt{f}) + (0.010 * f) + (0.200 * \sqrt{f})] * 1.000 * \text{Stranded Factor}$ (Refer to manual)

| | | | | | | | | | | |
|-------------|------|------|-------|-------|-------|-------|-------|-------|--------|--------|
| Frequency | 4.00 | 8.00 | 10.00 | 16.00 | 20.00 | 25.00 | 31.25 | 62.50 | 100.00 | 125.00 |
| Max Spec | 3.74 | 5.24 | 5.85 | 7.41 | 8.29 | 9.29 | 10.41 | 14.88 | 19.02 | 21.39 |
| Pair 1 [25] | 3.20 | 4.53 | 5.10 | 6.57 | 7.43 | 8.34 | 9.35 | 13.29 | 16.96 | 19.04 |
| Pair 2 [26] | 3.27 | 4.61 | 5.19 | 6.67 | 7.54 | 8.46 | 9.49 | 13.48 | 17.18 | 19.28 |
| Pair 3 [27] | 3.20 | 4.52 | 5.09 | 6.53 | 7.38 | 8.28 | 9.29 | 13.20 | 16.83 | 18.88 |
| Pair 4 [28] | 3.32 | 4.68 | 5.27 | 6.80 | 7.69 | 8.61 | 9.67 | 13.76 | 17.55 | 19.67 |

Continue:Insertion Loss (IL)(dB/328.0 ft)(Curve Fit)@20C

| | | | | | | | | | | |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| Frequency | 155.00 | 200.00 | 250.00 | 300.00 | 350.00 | 400.00 | 500.00 | 600.00 | | |
| Max Spec | 23.97 | 27.46 | 30.97 | 34.18 | 37.18 | 40.00 | 45.25 | 50.09 | | |
| Pair 1 [25] | 21.22 | 24.13 | 27.20 | 30.01 | 32.63 | 35.10 | 39.69 | 43.91 | | |
| Pair 2 [26] | 21.46 | 24.48 | 27.57 | 30.41 | 33.05 | 35.53 | 40.14 | 44.38 | | |
| Pair 3 [27] | 21.05 | 24.04 | 27.10 | 29.90 | 32.52 | 34.98 | 39.55 | 43.76 | | |
| Pair 4 [28] | 21.94 | 25.03 | 28.21 | 31.13 | 33.85 | 36.41 | 41.16 | 45.55 | | |

Detail Discrete Frequencies ---Near End Crosstalk Loss (NEXT)(dB)

| | | | | | | | | | | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Frequency | 4.00 | 8.00 | 10.00 | 16.00 | 20.00 | 25.00 | 31.25 | 62.50 | 100.00 | 200.00 |
| Min Spec | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 75.4 | 72.4 | 67.8 |
| Pair 1 - 2 | 101.1 | 114.6 | 114.1 | 108.2 | 102.5 | 103.0 | 100.0 | 92.7 | 92.6 | 86.2 |
| Pair 1 - 3 | 103.1 | 110.8 | 110.7 | 98.2 | 100.6 | 97.4 | 96.6 | 91.6 | 91.5 | 101.6 |
| Pair 1 - 4 | 111.4 | 111.3 | 104.5 | 110.2 | 98.0 | 103.9 | 97.2 | 97.8 | 91.9 | 91.3 |
| Pair 2 - 3 | 107.9 | 101.7 | 106.4 | 105.7 | 95.8 | 95.0 | 94.6 | 90.5 | 89.0 | 87.9 |
| Pair 2 - 4 | 108.9 | 105.0 | 102.3 | 110.6 | 99.7 | 99.4 | 97.6 | 94.2 | 94.3 | 95.4 |
| Pair 3 - 4 | 104.4 | 111.5 | 107.7 | 106.5 | 100.3 | 107.9 | 104.6 | 98.0 | 95.7 | 86.6 |

Continue:Near End Crosstalk Loss (NEXT)(dB)

| | | | | | | | | | | |
|------------|--------|--------|--------|--------|--------|--|--|--|--|--|
| Frequency | 250.00 | 300.00 | 400.00 | 500.00 | 600.00 | | | | | |
| Min Spec | 66.4 | 65.2 | 63.3 | 61.9 | 60.7 | | | | | |
| Pair 1 - 2 | 86.8 | 82.5 | 83.5 | 88.3 | 87.9 | | | | | |
| Pair 1 - 3 | 91.5 | 96.3 | 82.1 | 79.5 | 75.9 | | | | | |
| Pair 1 - 4 | 91.5 | 88.6 | 88.8 | 77.8 | 74.9 | | | | | |
| Pair 2 - 3 | 88.4 | 92.0 | 80.1 | 77.5 | 80.9 | | | | | |
| Pair 2 - 4 | 93.6 | 88.6 | 84.9 | 82.0 | 91.0 | | | | | |
| Pair 3 - 4 | 86.4 | 78.8 | 81.0 | 78.9 | 78.7 | | | | | |

Detail Discrete Frequencies ---Near End Crosstalk Loss (NEXT-Far End)(dB)

| | | | | | | | | | | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Frequency | 4.00 | 8.00 | 10.00 | 16.00 | 20.00 | 25.00 | 31.25 | 62.50 | 100.00 | 200.00 |
| Min Spec | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 75.4 | 72.4 | 67.8 |
| Pair 1 - 2 | 101.1 | 103.2 | 108.8 | 107.8 | 98.8 | 97.7 | 97.1 | 92.7 | 96.7 | 95.5 |
| Pair 1 - 3 | 104.6 | 106.5 | 106.4 | 104.9 | 104.6 | 97.6 | 98.1 | 93.4 | 94.6 | 91.4 |
| Pair 1 - 4 | 106.9 | 104.4 | 105.6 | 108.4 | 97.5 | 99.1 | 96.6 | 93.4 | 90.9 | 90.4 |
| Pair 2 - 3 | 104.2 | 100.3 | 102.3 | 101.1 | 96.4 | 98.5 | 95.7 | 89.9 | 91.4 | 88.9 |
| Pair 2 - 4 | 103.2 | 107.8 | 106.6 | 107.2 | 101.6 | 99.7 | 97.9 | 94.7 | 92.8 | 92.6 |
| Pair 3 - 4 | 109.6 | 119.1 | 99.0 | 97.9 | 104.2 | 111.4 | 100.1 | 97.7 | 95.8 | 91.8 |

Continue:Near End Crosstalk Loss (NEXT-Far End)(dB)

| | | | | | | | | | | |
|------------|--------|--------|--------|--------|--------|--|--|--|--|--|
| Frequency | 250.00 | 300.00 | 400.00 | 500.00 | 600.00 | | | | | |
| Min Spec | 66.4 | 65.2 | 63.3 | 61.9 | 60.7 | | | | | |
| Pair 1 - 2 | 101.7 | 90.9 | 83.4 | 81.0 | 76.4 | | | | | |
| Pair 1 - 3 | 92.7 | 89.4 | 90.2 | 84.5 | 80.7 | | | | | |
| Pair 1 - 4 | 89.7 | 95.6 | 86.7 | 86.9 | 80.4 | | | | | |
| Pair 2 - 3 | 90.4 | 92.2 | 85.6 | 86.8 | 84.3 | | | | | |
| Pair 2 - 4 | 93.0 | 97.0 | 90.6 | 87.4 | 80.7 | | | | | |
| Pair 3 - 4 | 90.6 | 93.5 | 87.3 | 80.1 | 75.0 | | | | | |

Detail Discrete Frequencies ---Power Sum NEXT(PSNEXT)(dB)

| | | | | | | | | | | |
|-------------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Frequency | 1.00 | 4.00 | 8.00 | 10.00 | 16.00 | 20.00 | 25.00 | 31.25 | 62.50 | 100.00 |
| Min Spec | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 72.4 | 69.4 |
| Pair 1 [25] | 92.6 | 98.6 | 103.7 | 103.2 | 96.1 | 95.2 | 95.5 | 92.4 | 88.6 | 86.7 |
| Pair 2 [26] | 98.0 | 99.6 | 99.2 | 100.7 | 101.4 | 93.5 | 93.0 | 91.9 | 87.4 | 86.4 |
| Pair 3 [27] | 91.1 | 99.9 | 100.1 | 103.2 | 96.0 | 93.5 | 92.8 | 91.9 | 87.5 | 86.3 |
| Pair 4 [28] | 91.0 | 102.4 | 102.9 | 99.5 | 103.7 | 94.3 | 97.6 | 94.0 | 91.4 | 88.9 |

N/A = Not Applicable.
--- = Disable/Bypassed Pair.

* = Measured value out of spec.
xxx = No entry.

*** = Measured value is invalid.
ISTP

Continue:Power Sum NEXT(PSNEXT)(dB)

| | | | | | | | | | | |
|-------------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| Frequency | 200.00 | 250.00 | 300.00 | 400.00 | 500.00 | 600.00 | | | | |
| Min Spec | 64.8 | 63.4 | 62.2 | 60.3 | 58.9 | 57.7 | | | | |
| Pair 1 [25] | 84.8 | 84.3 | 81.3 | 79.1 | 75.3 | 72.3 | | | | |
| Pair 2 [26] | 83.6 | 83.8 | 81.2 | 77.6 | 75.7 | 79.8 | | | | |
| Pair 3 [27] | 84.1 | 83.4 | 78.5 | 76.1 | 73.8 | 73.2 | | | | |
| Pair 4 [28] | 84.7 | 84.5 | 77.9 | 79.0 | 74.3 | 73.3 | | | | |

Detail Discrete Frequencies ---Power Sum NEXT(PSNEXT_Far End)(dB)

| | | | | | | | | | | |
|-------------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Frequency | 1.00 | 4.00 | 8.00 | 10.00 | 16.00 | 20.00 | 25.00 | 31.25 | 62.50 | 100.00 |
| Min Spec | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 72.4 | 69.4 |
| Pair 1 [25] | 90.5 | 98.7 | 98.7 | 102.0 | 100.3 | 94.6 | 93.2 | 91.9 | 88.4 | 88.3 |
| Pair 2 [26] | 90.8 | 97.9 | 97.4 | 100.3 | 98.8 | 93.6 | 93.8 | 92.0 | 87.2 | 88.1 |
| Pair 3 [27] | 90.8 | 100.7 | 98.9 | 96.8 | 95.6 | 95.2 | 94.7 | 92.3 | 87.8 | 88.5 |
| Pair 4 [28] | 96.8 | 100.8 | 100.1 | 97.5 | 96.2 | 95.3 | 96.2 | 93.2 | 90.0 | 87.9 |

Continue:Power Sum NEXT(PSNEXT_Far End)(dB)

| | | | | | | | | | | |
|-------------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| Frequency | 200.00 | 250.00 | 300.00 | 400.00 | 500.00 | 600.00 | | | | |
| Min Spec | 64.8 | 63.4 | 62.2 | 60.3 | 58.9 | 57.7 | | | | |
| Pair 1 [25] | 86.9 | 87.7 | 85.7 | 81.1 | 78.6 | 73.9 | | | | |
| Pair 2 [26] | 86.7 | 88.2 | 86.9 | 80.9 | 79.1 | 74.6 | | | | |
| Pair 3 [27] | 85.7 | 86.1 | 86.3 | 82.4 | 78.0 | 73.6 | | | | |
| Pair 4 [28] | 86.5 | 85.6 | 89.5 | 83.1 | 78.7 | 73.1 | | | | |

N/A = Not Applicable.
--- = Disable/Bypassed Pair.

* = Measured value out of spec.
xxx = No entry.

*** = Measured value is invalid.
ISTP