

DCM Test Report

Cable Type : 4x2x23 x ALL FL-61BUI-02	Factory Number : FC01BC1401	Data File Name : DA338956.D3S
Cable I.D. : CAT6 LAN CABLE	Order Number : J48230419B007-100M	Specification File : SK-4CT6-396-BG.S3S
Temperature : 22.00 癈	Relative Humidity : 55 %	Test Date/Time : 04/19/2023 08:28:36 AM
Length : 100.00 m	Number of Pairs to Test : 4	Operator : GLY
Starting Position : 1		Analyzer Type : ENA

Pass - Fail Test Certificate - 4 Pairs

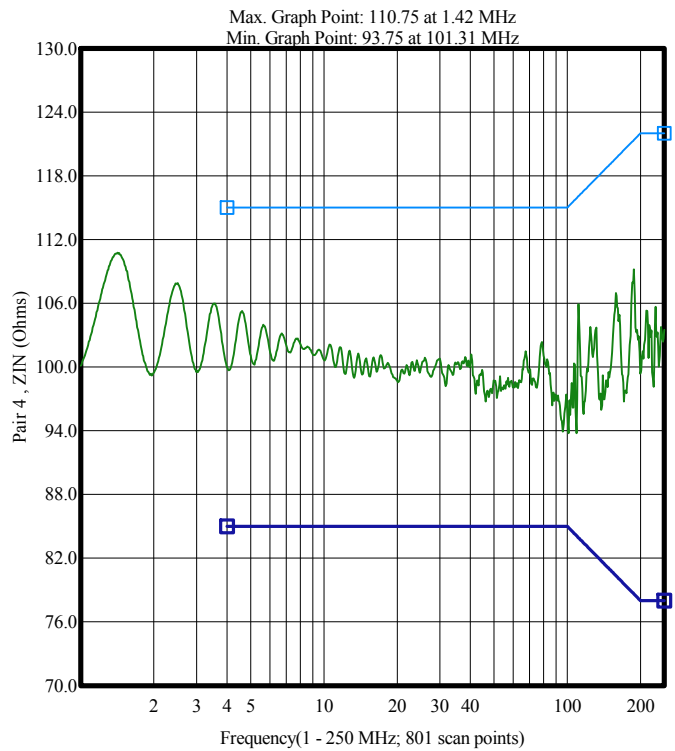
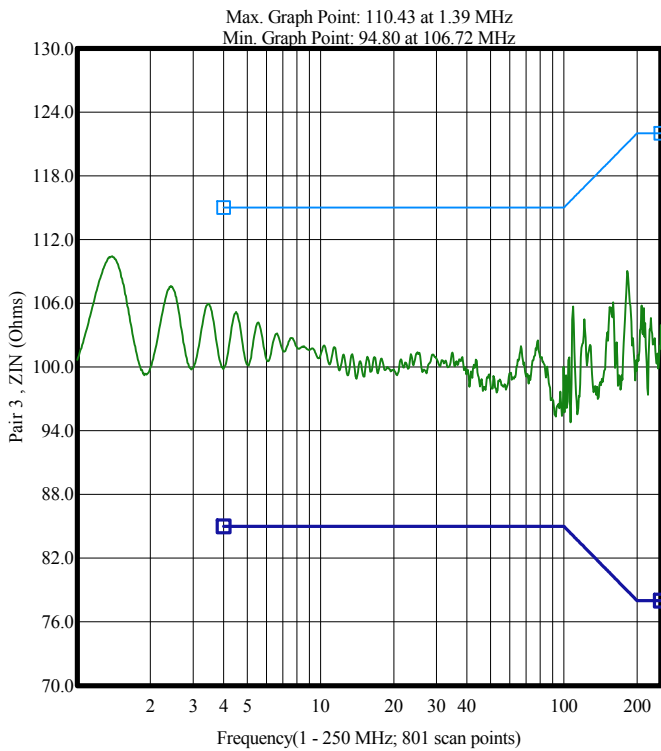
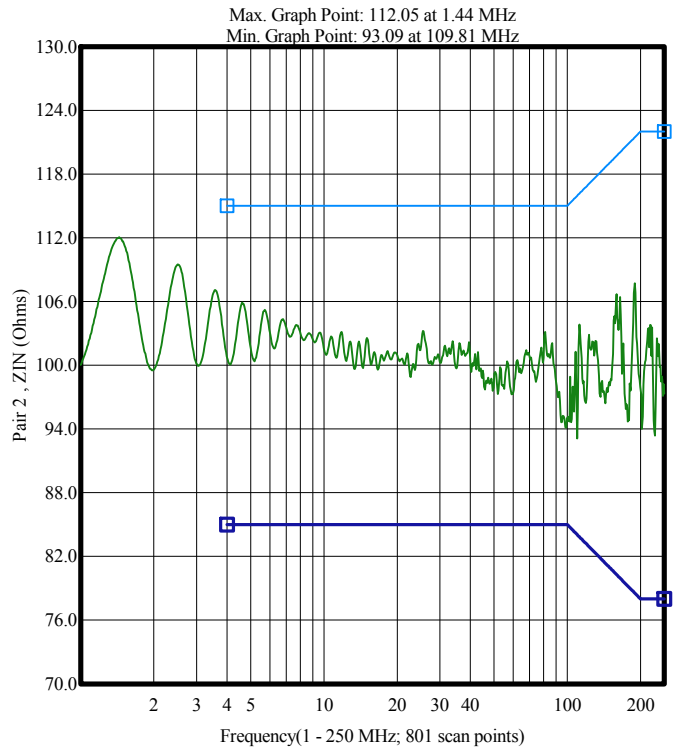
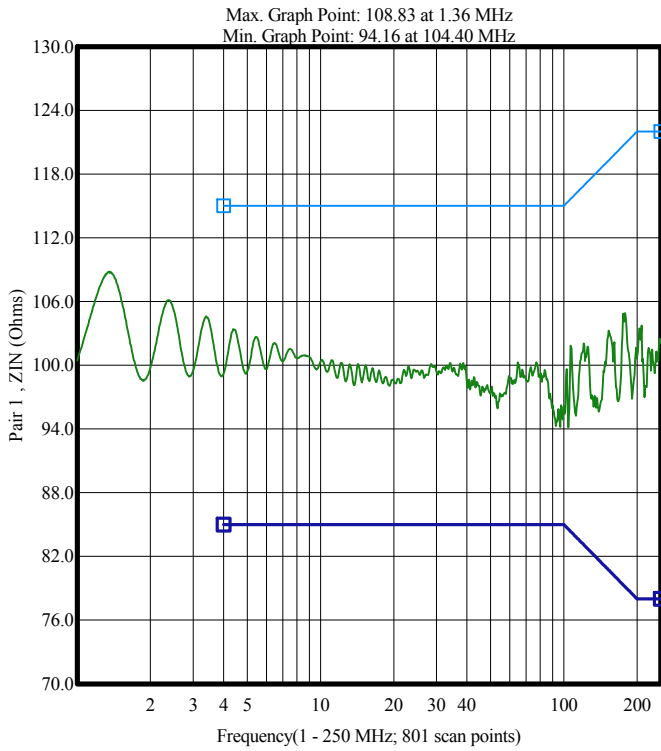
High Frequency

Test Type	Test Result
Input Impedance (Zin)(Ohms)(Terminated)	OK
Return Loss (RL)(dB)	OK
Insertion Loss (IL)(Curve Fit)(dB/100.0 m)@20C	OK
Near End Crosstalk Loss (NEXT)(dB)	OK
ACR to FEXT Ratio (ACRF)(dB)	OK
Power Sum NEXT(PSNEXT)(dB)	OK
Power Sum ACRF (PSACRF)(dB)	OK
Propagation Delay (DELAY)(ns/100m)	OK
Propagation Delay Skew (SKEW)(ns/100m)	OK

Signature:	Approved:	Date:
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Summary and Graphic: Input Impedance (Zin)(Terminated)

Pair	Specification		Measured(Ohms)		Margin (Ohms)		@ Frequency (MHz)		Test Result
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	
Pair 1 [1]	85.00	115.00	94.17	103.41	9.17	11.59	96.67	4.38	Passed
Pair 2 [2]	84.06	115.00	93.09	105.90	9.03	9.10	109.81	4.62	Passed
Pair 3 [3]	85.00	115.00	95.32	105.18	10.32	9.82	92.80	4.50	Passed
Pair 4 [4]	84.87	115.00	93.75	105.28	8.88	9.72	101.31	4.62	Passed



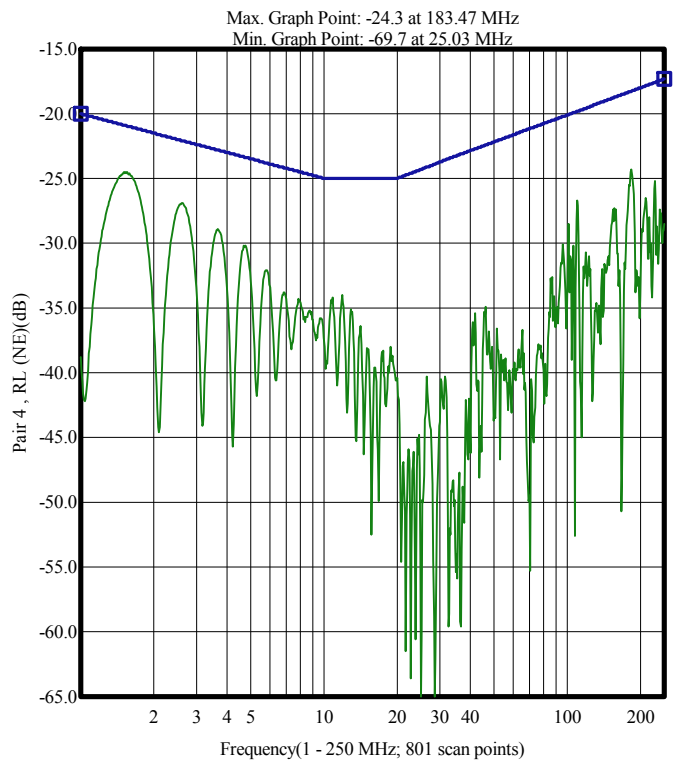
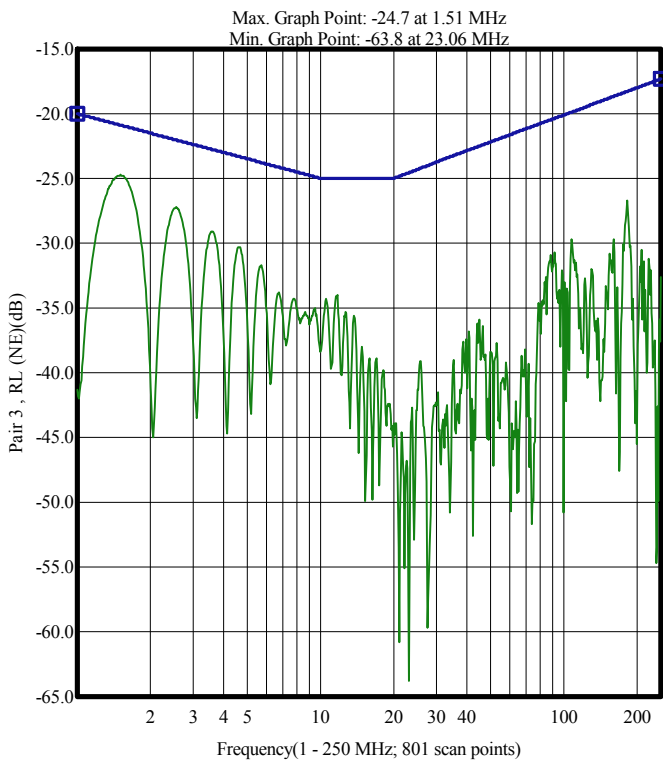
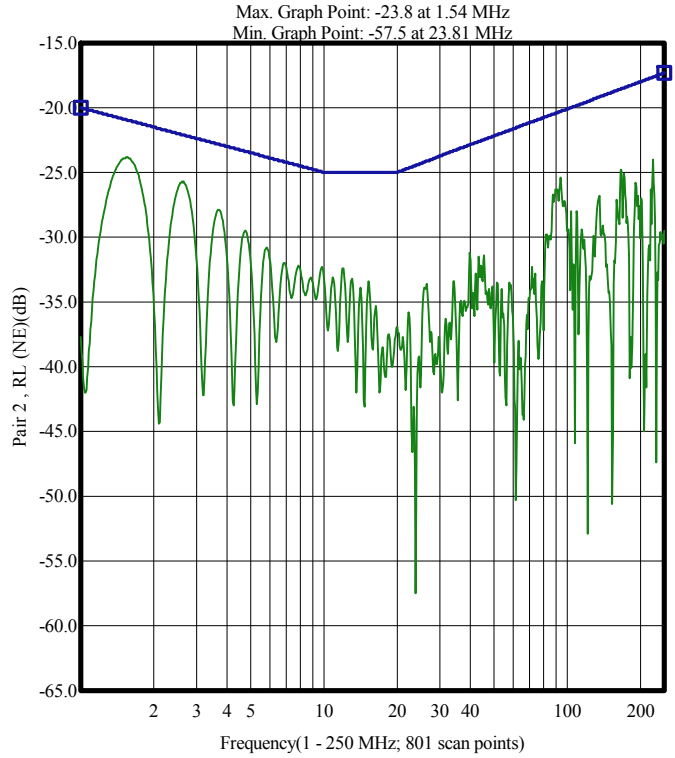
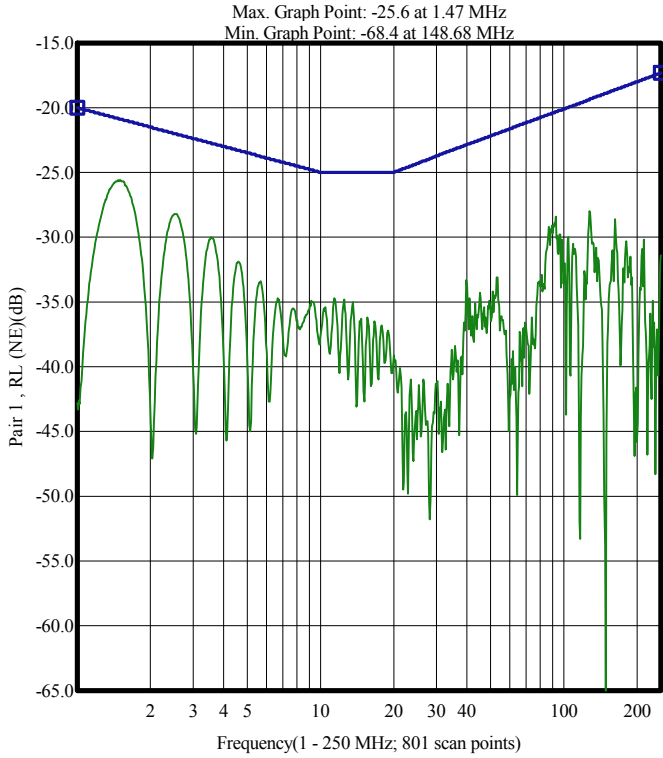
N/A = Not Applicable.
--- = Disable/Bypassed Pair.

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

*** = Measured value is invalid.

Summary and Graphic: Return Loss (RL)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 [1]	20.9	25.6	4.7	1.50	Passed
Pair 2 [2]	21.0	23.8	2.8	1.55	Passed
Pair 3 [3]	21.0	24.8	3.8	1.55	Passed
Pair 4 [4]	21.0	24.5	3.5	1.55	Passed



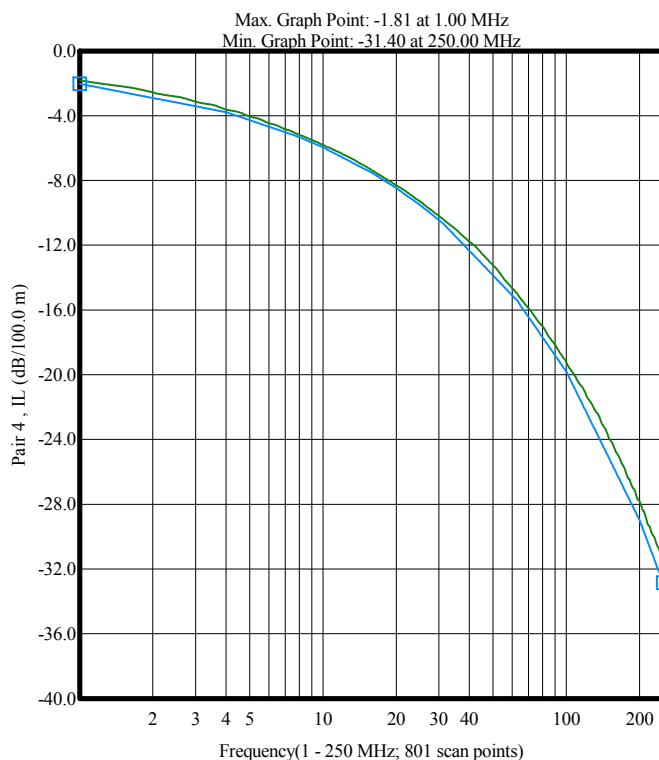
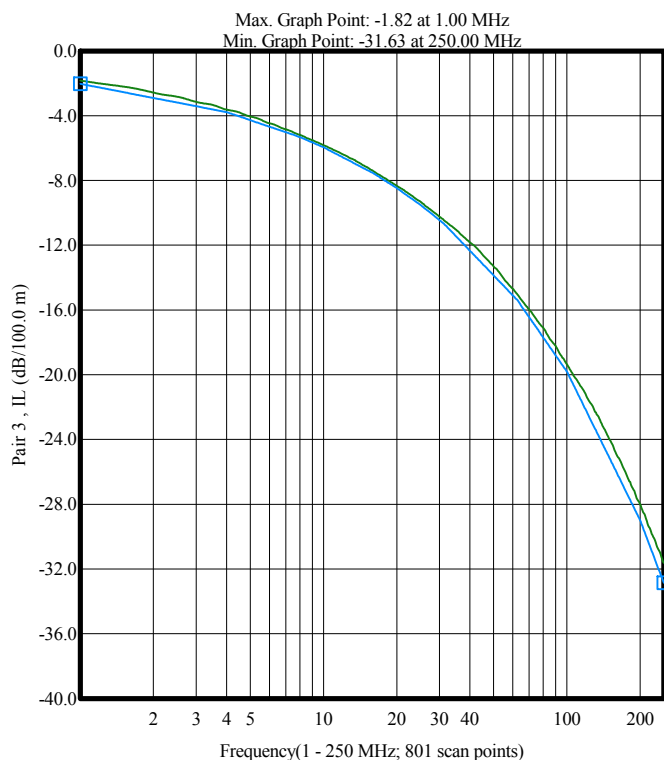
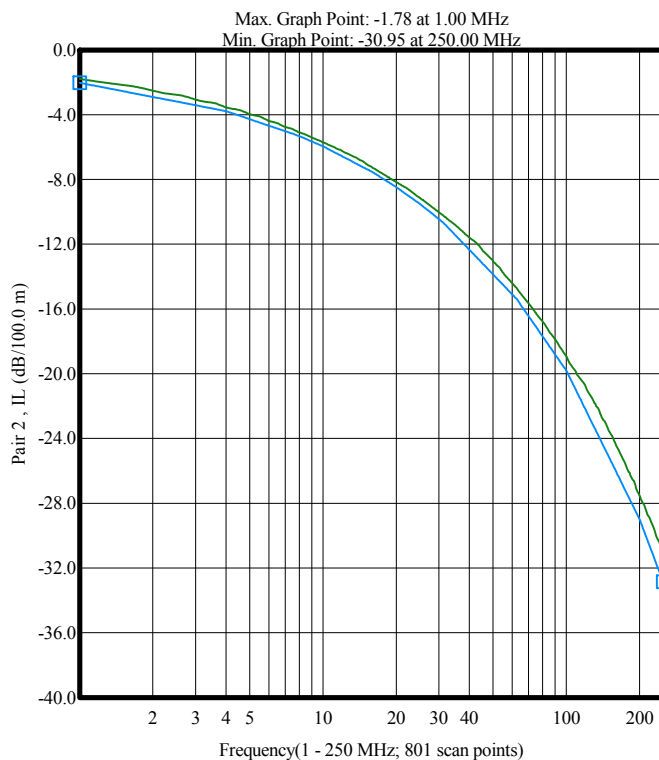
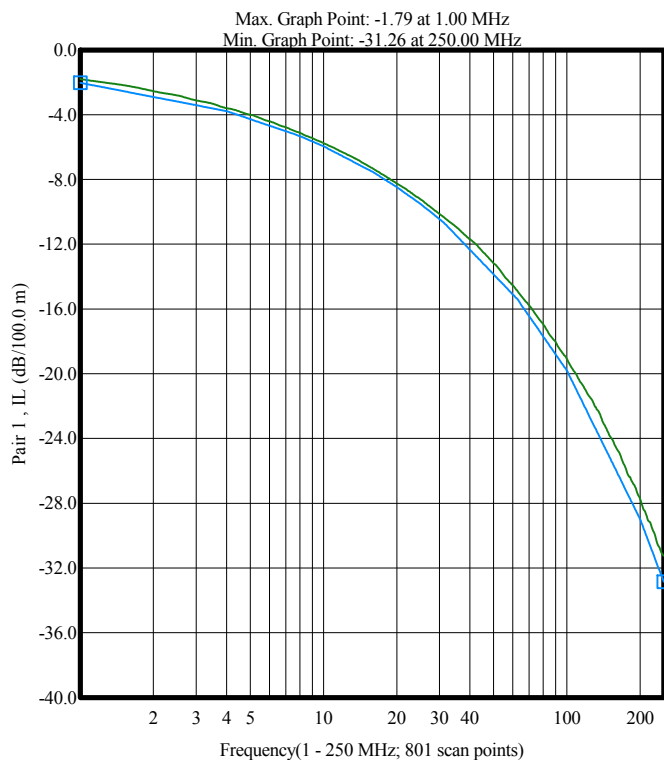
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Summary and Graphic: Insertion Loss (IL)(Curve Fit)@20C

Pair	Spec (Max)(dB/100.0 m)	Measured(dB/100.0 m)	Margin (dB/100.0 m)	@ Frequency (MHz)	Test Result
Pair 1 [1]	5.50	5.32	0.18	8.54	Passed
Pair 2 [2]	5.31	5.09	0.22	7.97	Passed
Pair 3 [3]	5.50	5.38	0.12	8.54	Passed
Pair 4 [4]	5.31	5.18	0.13	7.97	Passed



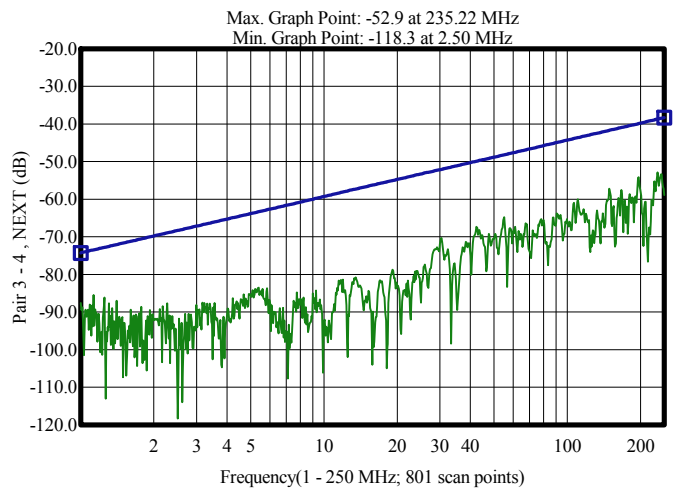
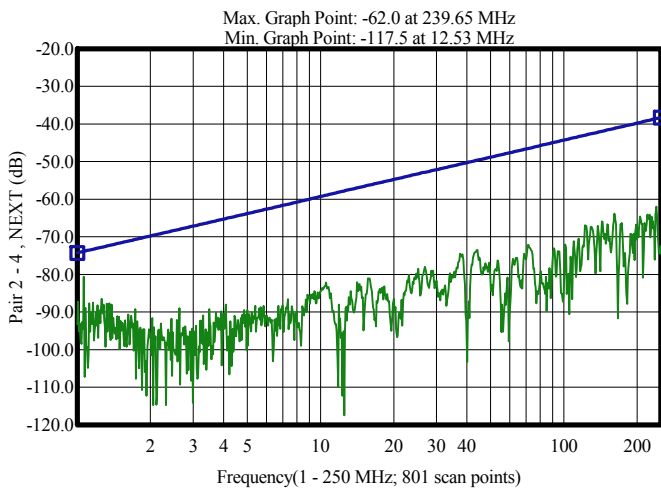
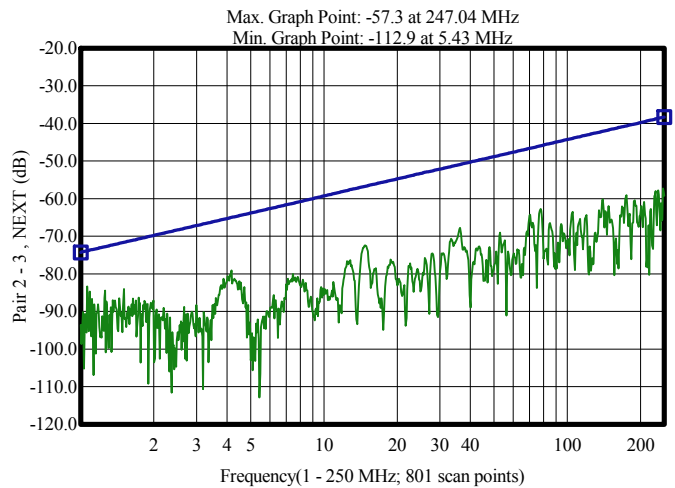
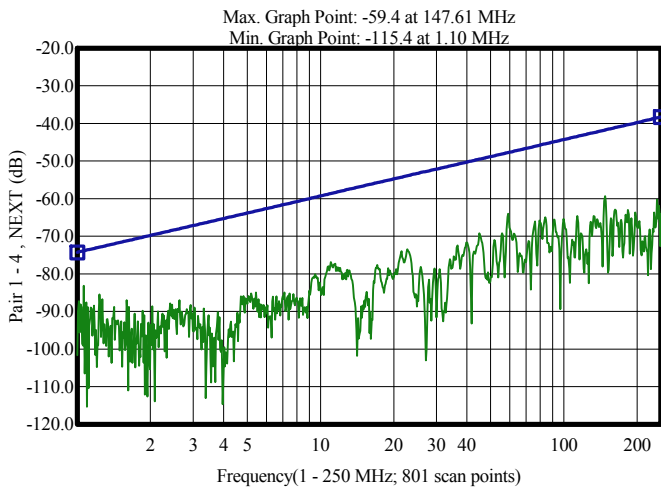
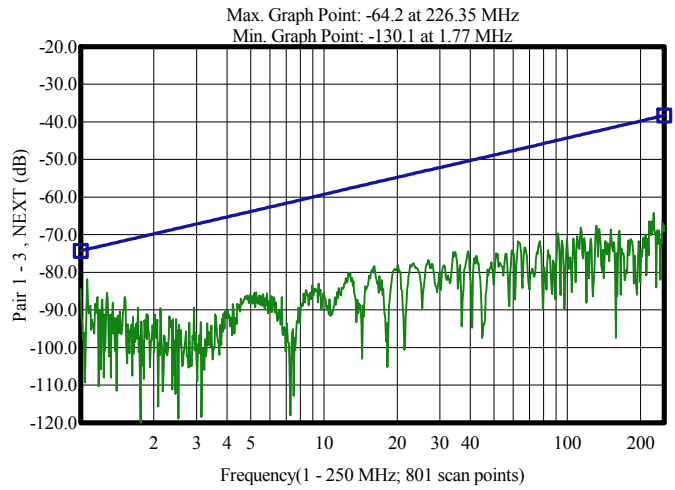
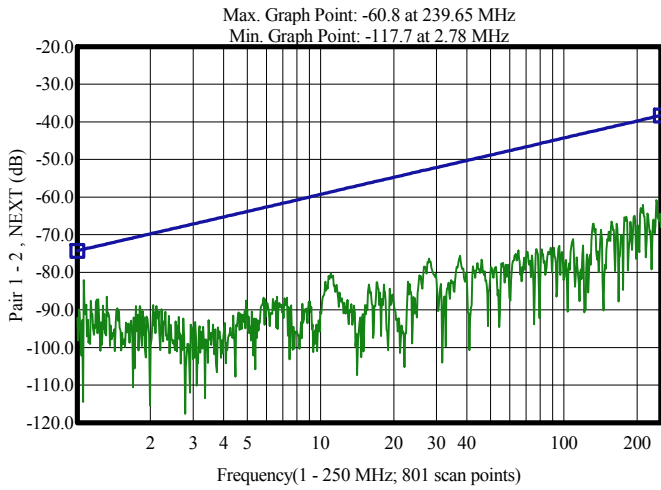
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Summary and Graphic: Near End Crosstalk Loss (NEXT)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 - 2	73.9	82.1	8.2	1.06	Passed
Pair 1 - 3	73.9	81.8	7.9	1.06	Passed
Pair 1 - 4	73.9	83.2	9.3	1.06	Passed
Pair 2 - 3	73.9	83.4	9.5	1.06	Passed
Pair 2 - 4	73.9	80.6	6.7	1.06	Passed
Pair 3 - 4	73.5	85.5	12.0	1.13	Passed



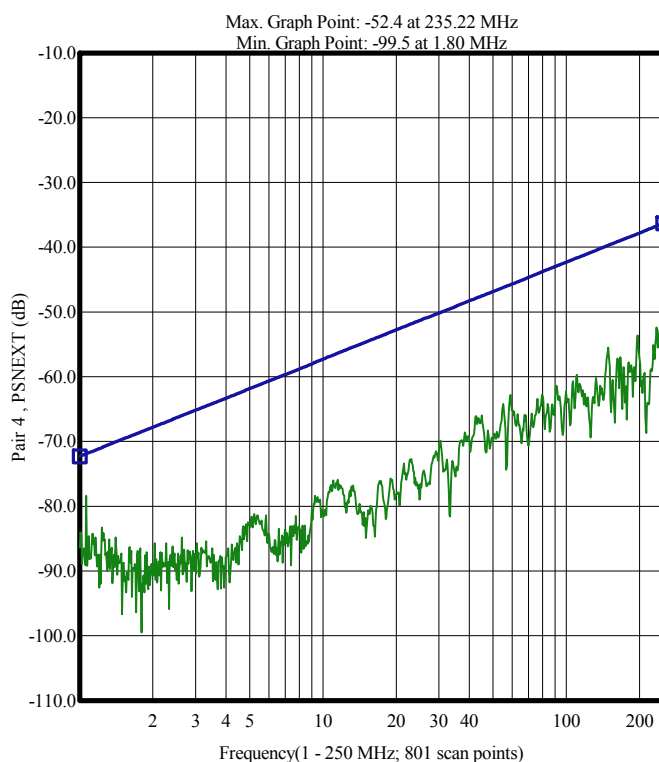
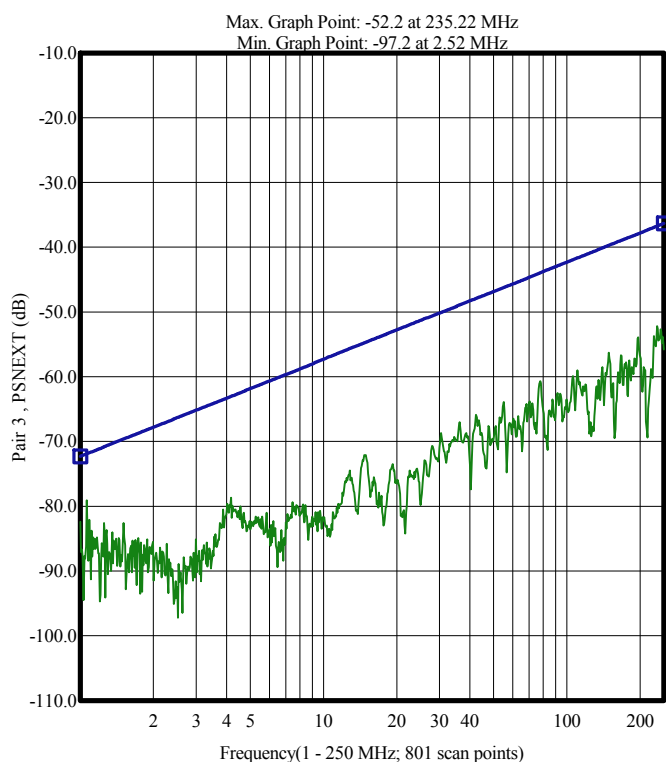
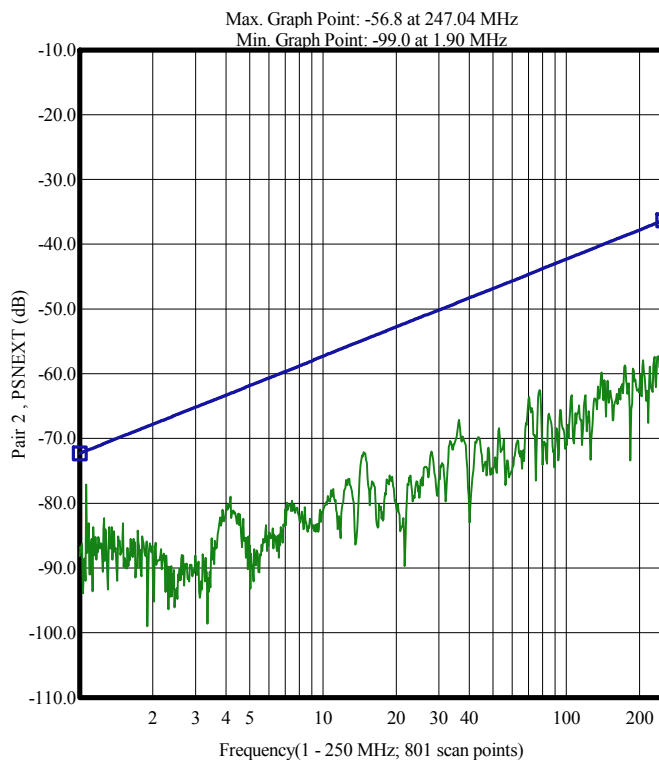
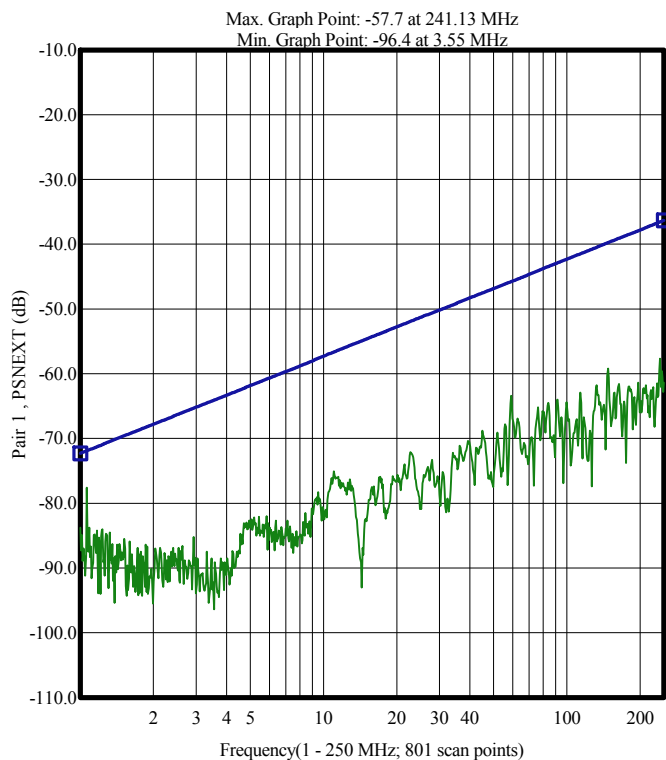
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Summary and Graphic: Power Sum NEXT(PSNEXT)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 [1]	71.9	77.6	5.7	1.06	Passed
Pair 2 [2]	71.9	77.1	5.2	1.06	Passed
Pair 3 [3]	71.9	79.1	7.2	1.06	Passed
Pair 4 [4]	71.9	78.4	6.5	1.06	Passed



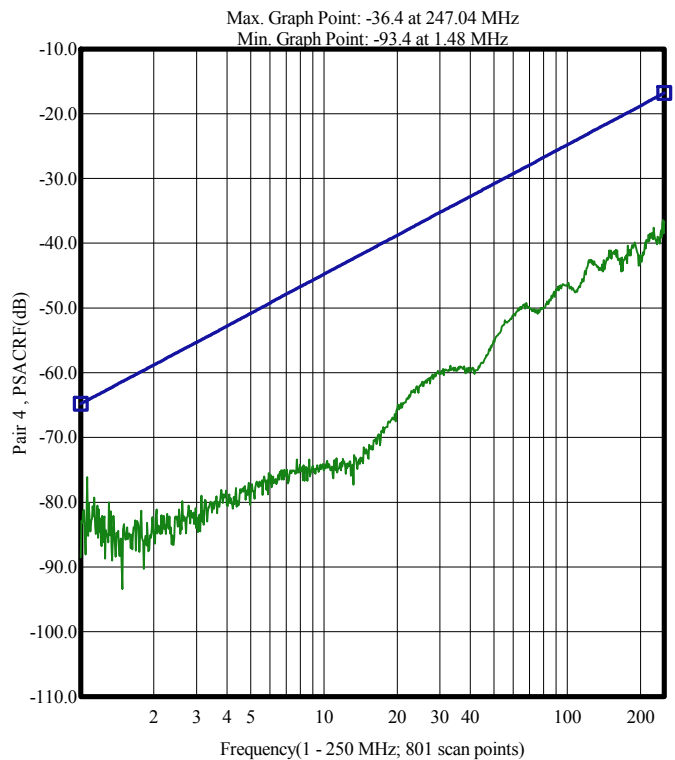
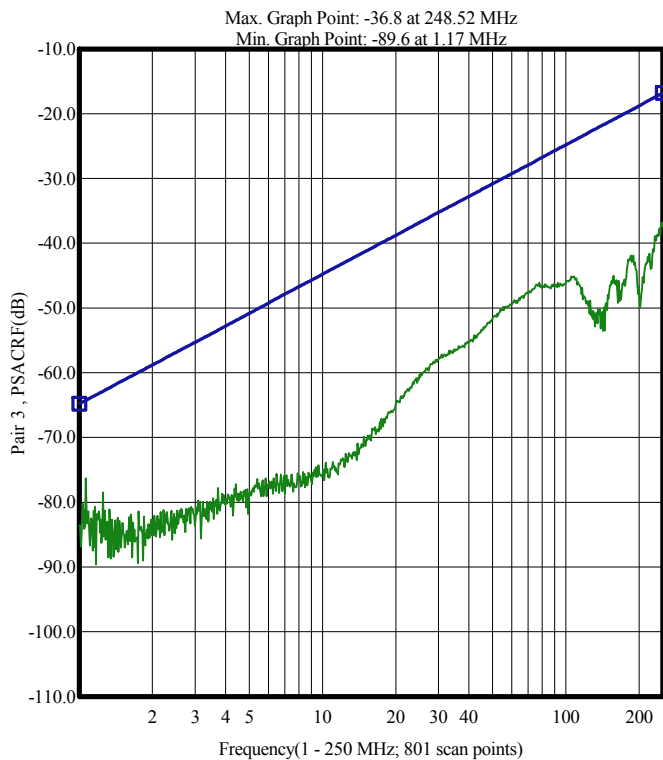
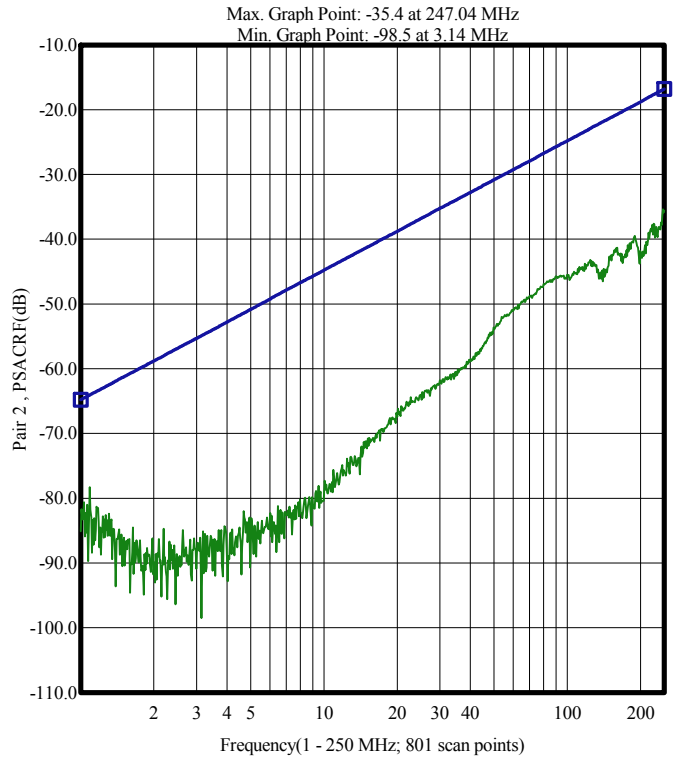
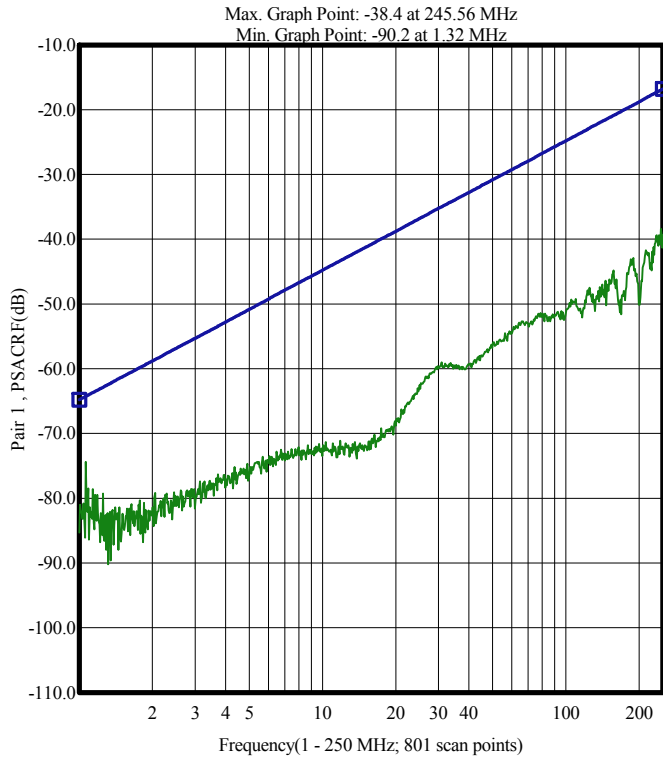
N/A = Not Applicable.
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Summary and Graphic: Power Sum ACRF (PSACRF)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 [1]	64.3	74.4	10.1	1.06	Passed
Pair 2 [2]	64.1	78.3	14.2	1.09	Passed
Pair 3 [3]	64.3	76.3	12.0	1.06	Passed
Pair 4 [4]	64.3	76.1	11.8	1.06	Passed



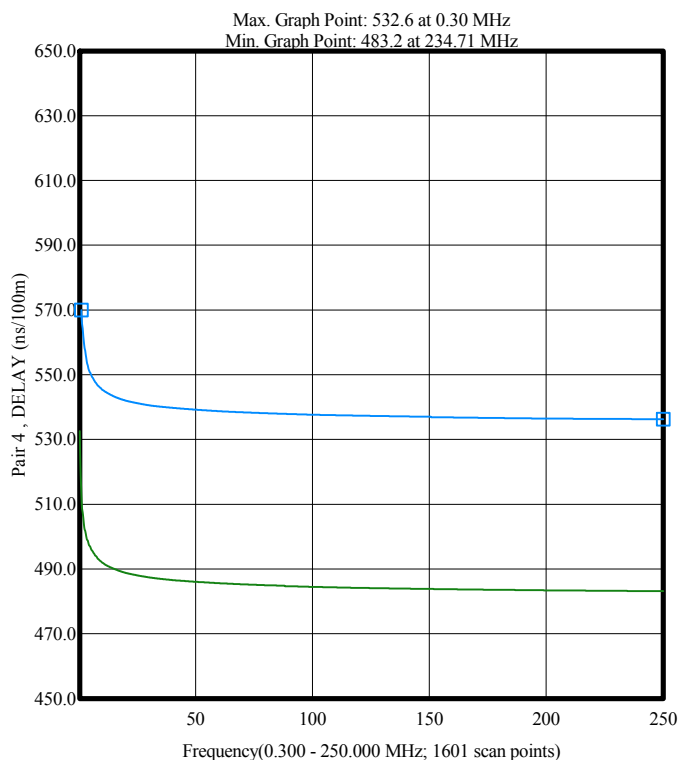
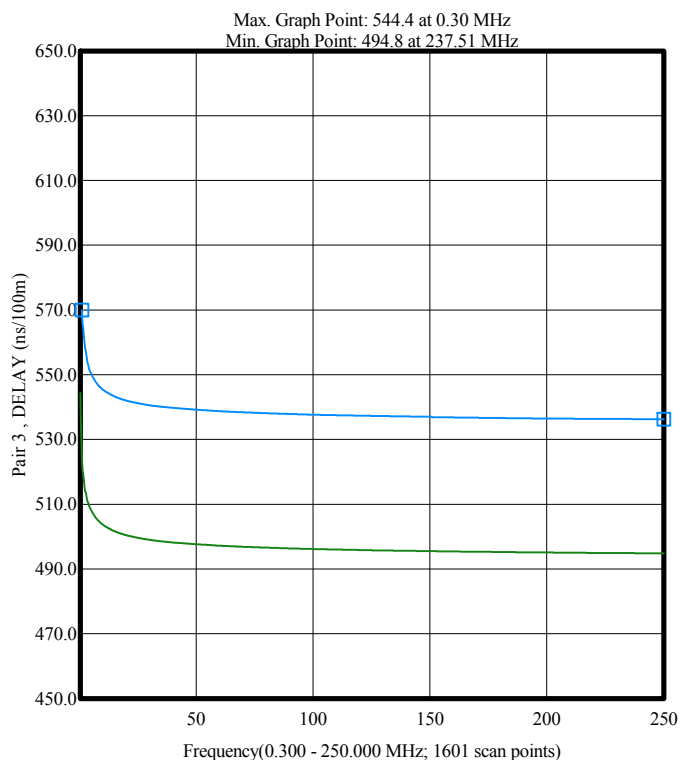
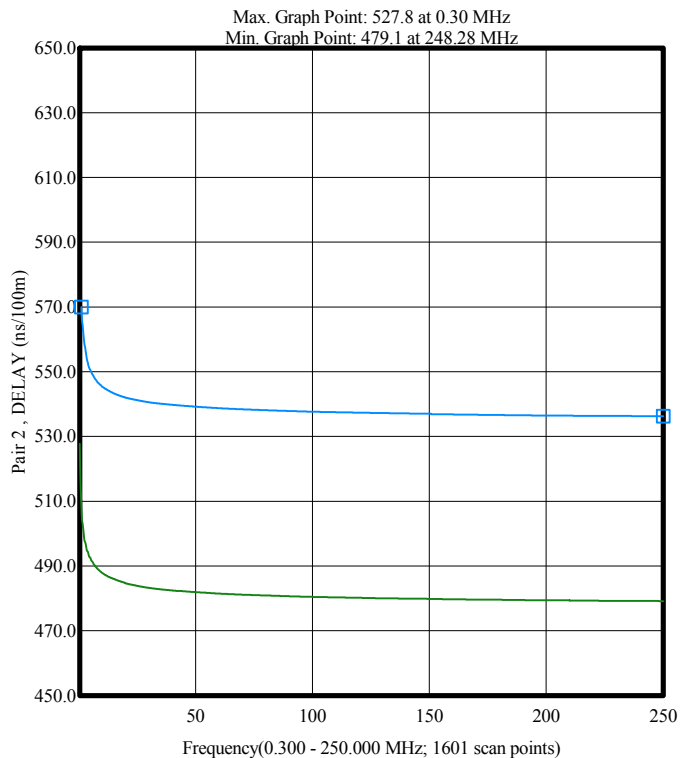
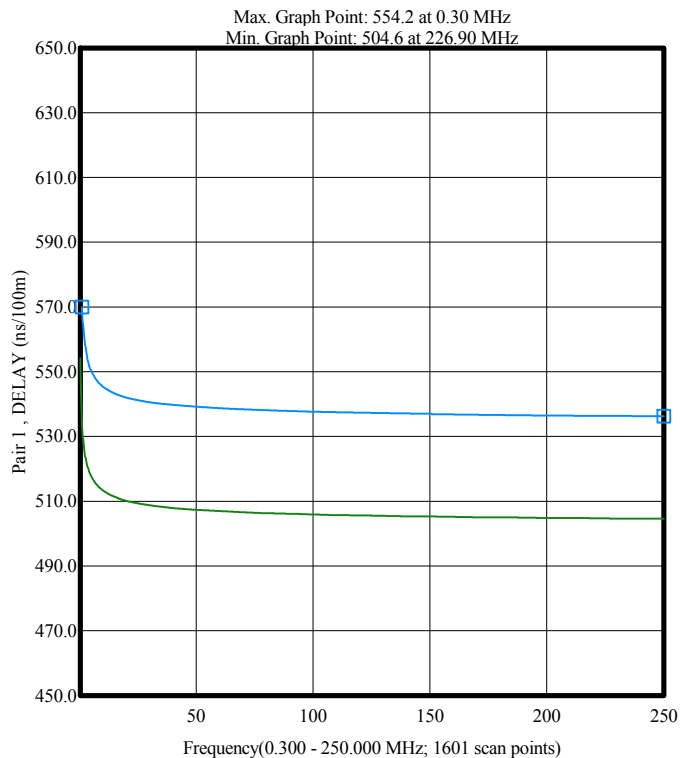
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Summary and Graphic: Propagation Delay (DELAY)

Pair	Spec (Max)(ns/100m)	Measured(ns/100m)	Margin (ns/100m)	@ Frequency (MHz)	Test Result
Pair 1 [1]	537.6	506.0	31.6	97.68	Passed
Pair 2 [2]	538.1	481.0	57.1	77.24	Passed
Pair 3 [3]	537.6	496.2	41.4	97.68	Passed
Pair 4 [4]	537.6	484.6	53.0	97.68	Passed



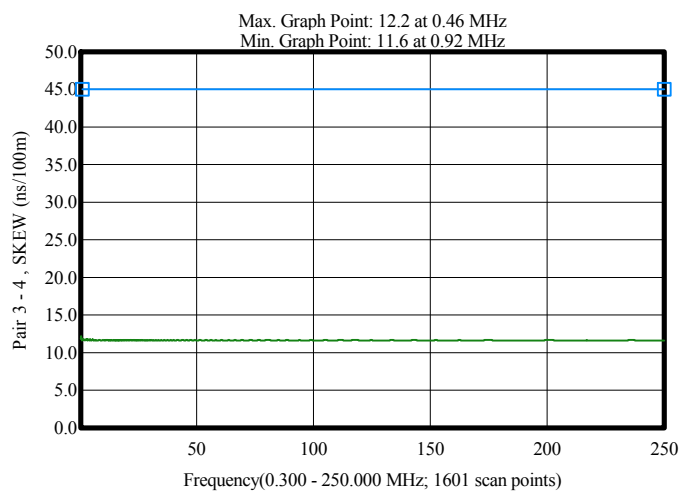
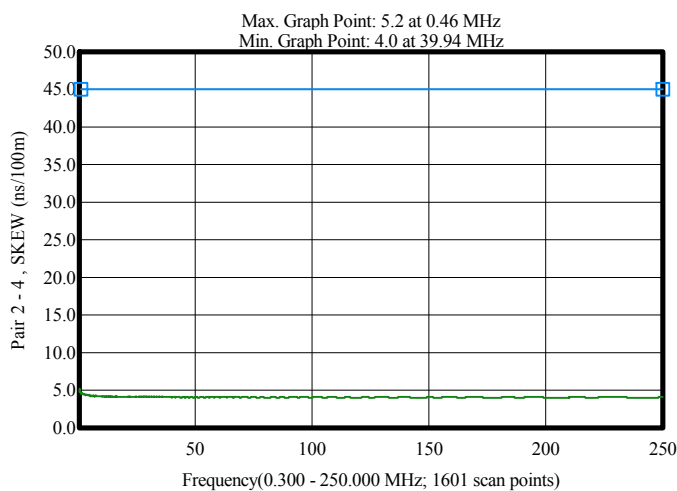
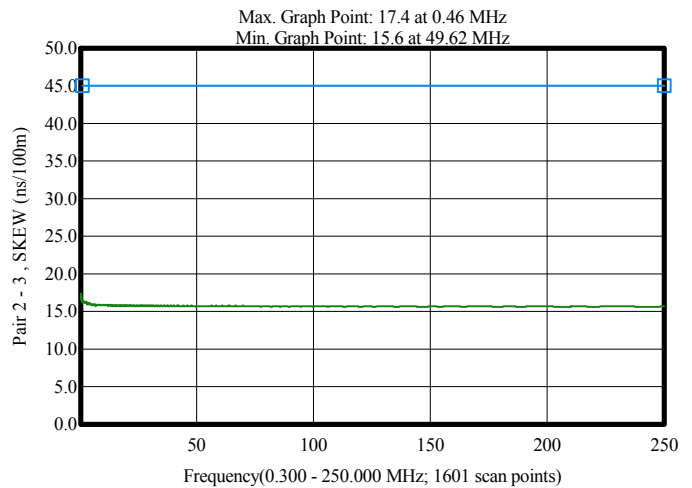
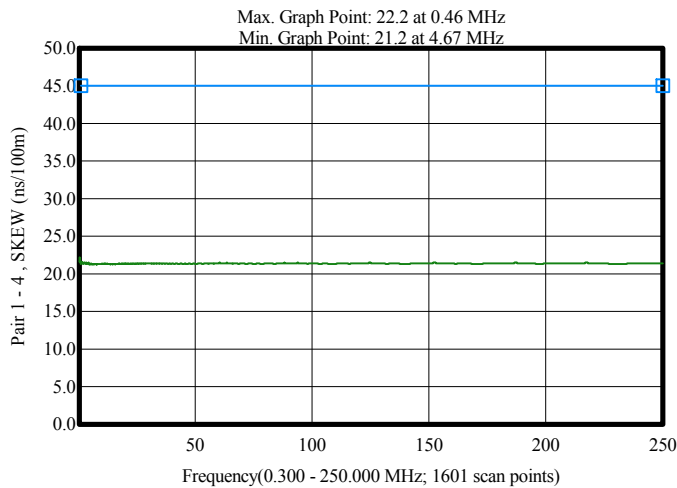
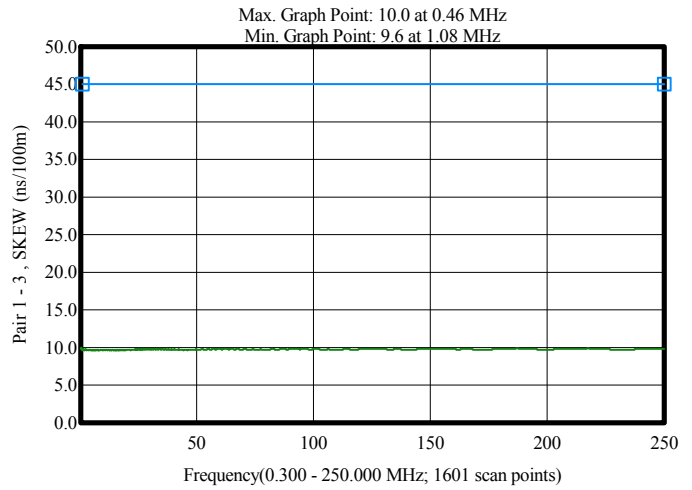
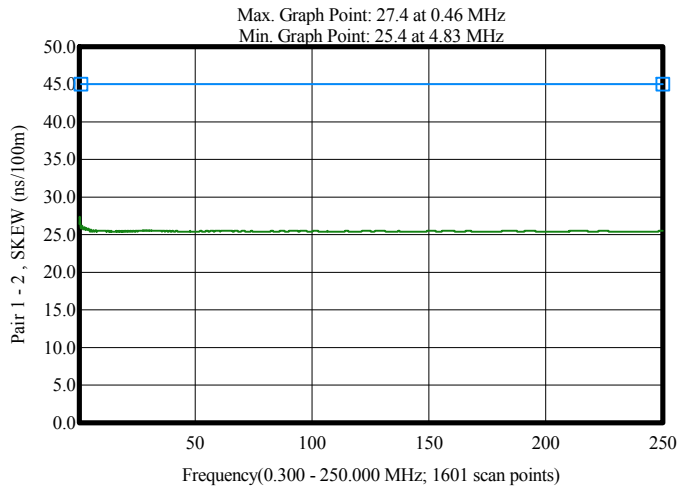
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Summary and Graphic: Propagation Delay Skew (SKEW)

Pair	Spec (Max)(ns/100m)	Measured(ns/100m)	Margin (ns/100m)	@ Frequency (MHz)	Test Result
Pair 1 - 2	45.0	26.2	18.8	1.55	Passed
Pair 1 - 3	45.0	9.9	35.1	186.64	Passed
Pair 1 - 4	45.0	21.6	23.4	1.55	Passed
Pair 2 - 3	45.0	16.4	28.6	1.55	Passed
Pair 2 - 4	45.0	4.6	40.4	1.39	Passed
Pair 3 - 4	45.0	11.8	33.2	1.55	Passed



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