

DCM Test Report

Cable Type : 4x2x23 x ALL(FL-61BUI-08)	Factory Number : FC01BB4902	Data File Name : DA244783.D3S
Cable I.D. : CAT6 LAN CABLE	Order Number : J47221208B009-100M	Specification File : SK-4CT6-396-BG.S3S
Temperature : 22.00 癈	Relative Humidity : 60 %	Test Date/Time : 12/15/2022 04:46:10 AM
Length : 100.00 m	Number of Pairs to Test : 4	Operator : GL
Starting Position : 1		Analyzer Type : ENA

Pass - Fail Test Certificate - 4 Pairs

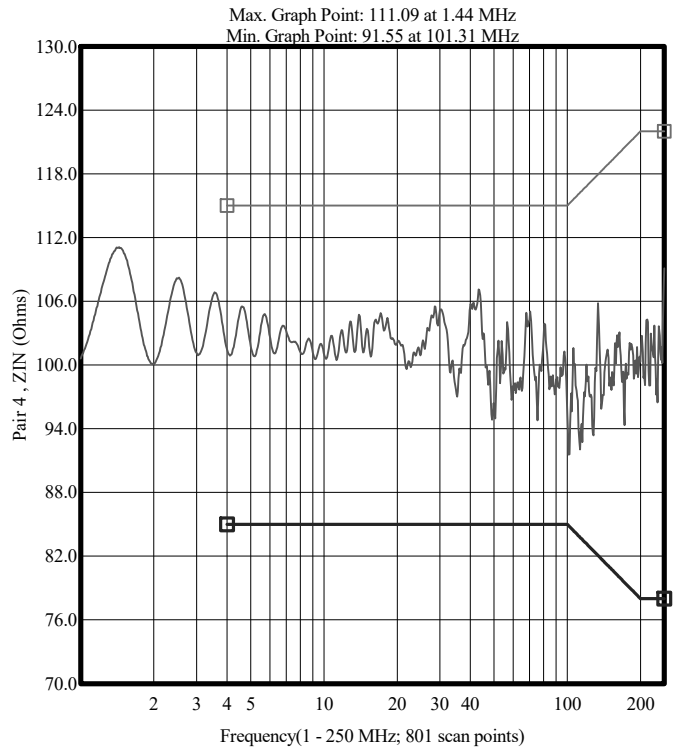
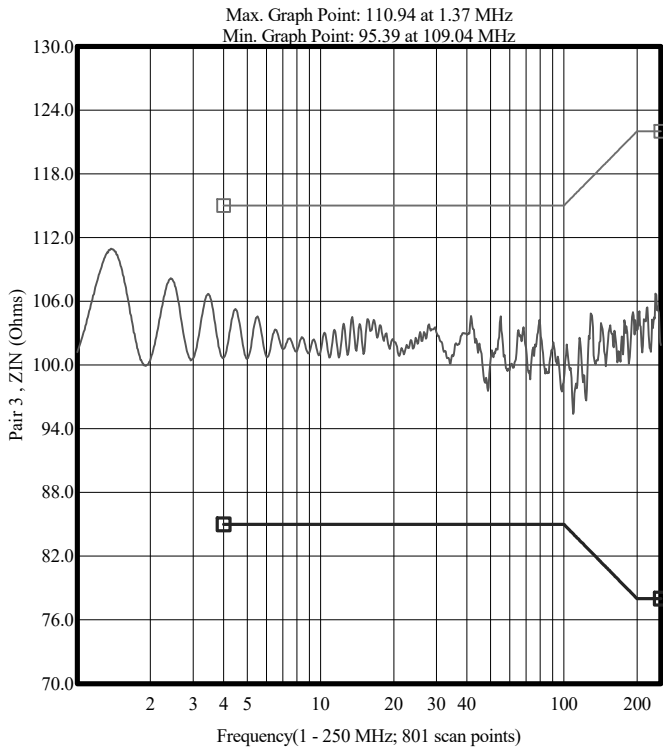
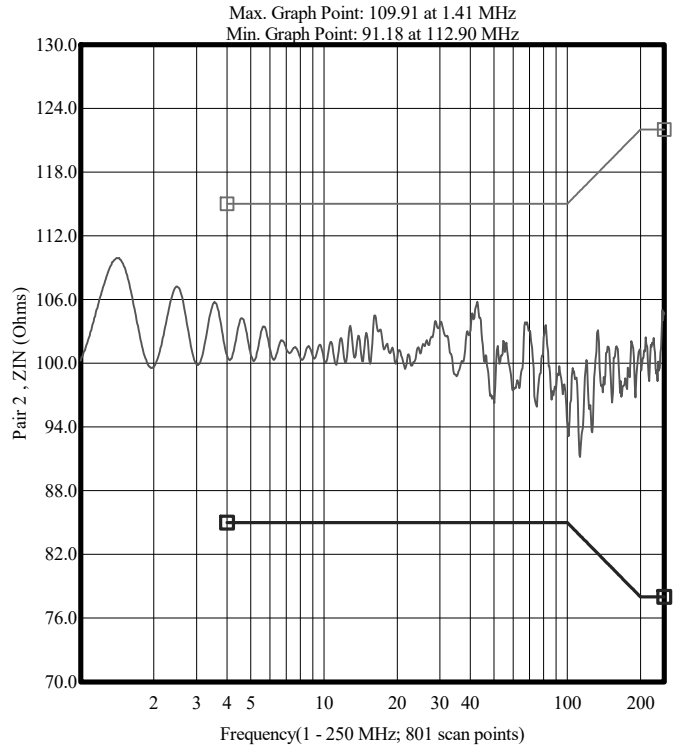
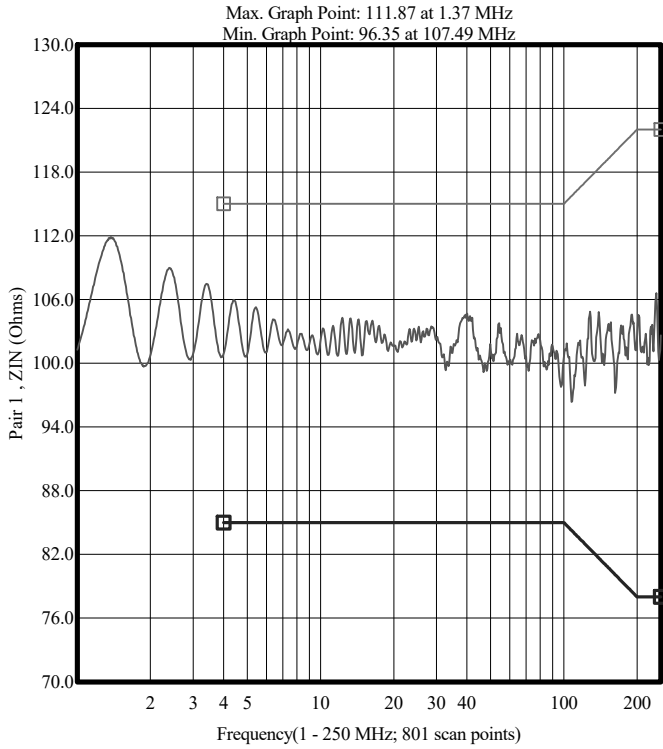
High Frequency

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]	84.27	115.00	96.35	105.98	12.08	9.02	107.49	4.41	Passed
Pair 2 [2]	83.77	115.00	91.18	105.80	7.41	9.20	112.90	42.66	Passed
Pair 3 [3]	84.13	115.00	95.39	105.28	11.26	9.72	109.04	4.47	Passed
Pair 4 [4]	84.87	115.00	91.55	107.10	6.68	7.90	101.31	43.24	Passed



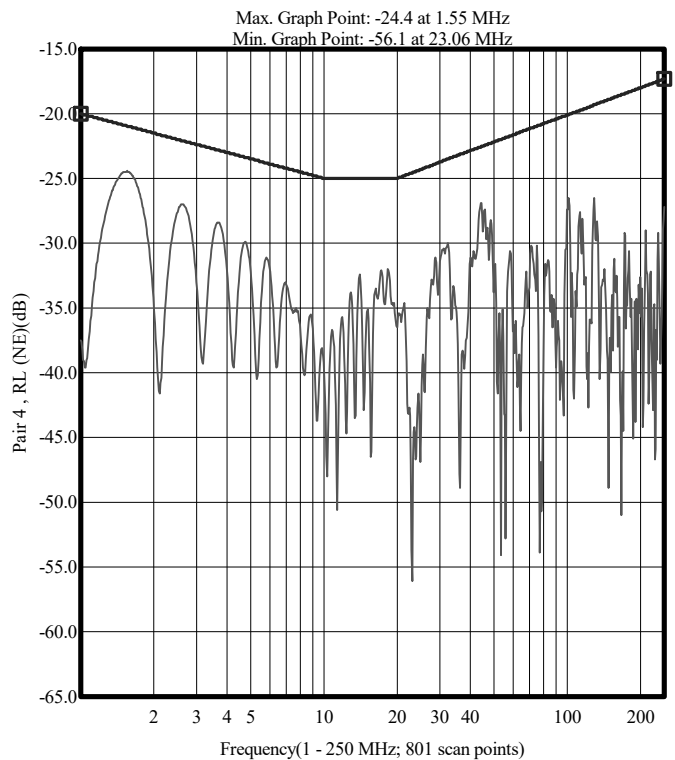
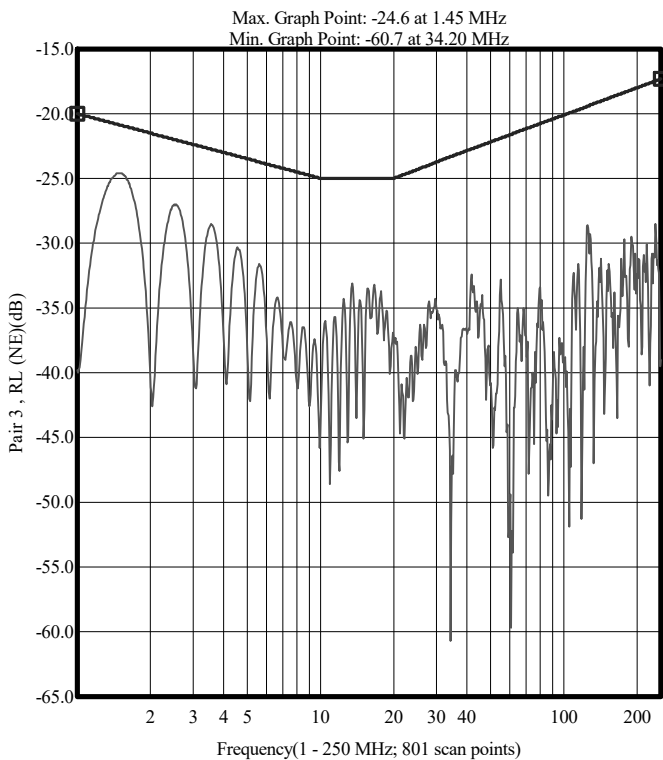
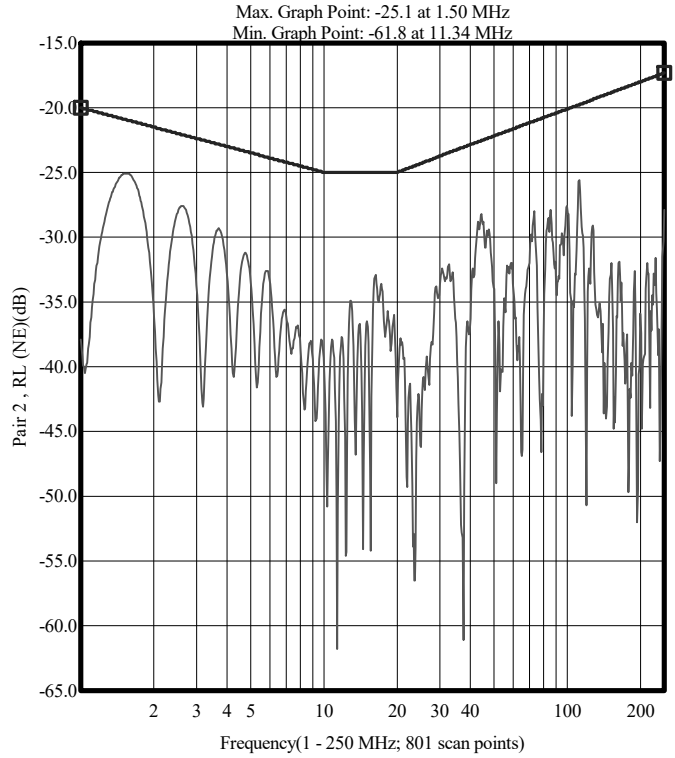
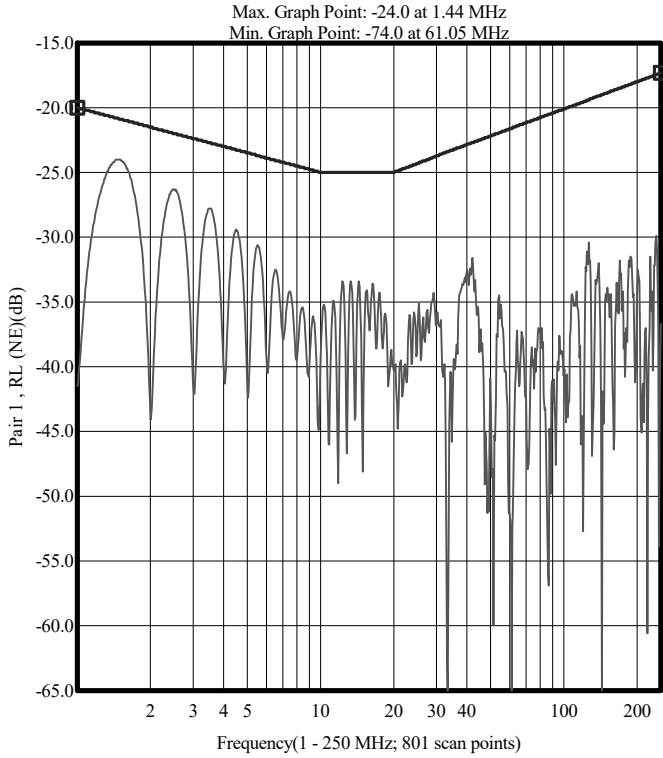
N/A = Not Applicable.
--- = Disable/Bypassed Pair.

* = 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	24.0	3.1	1.48	Passed
Pair 2 [2]	21.0	25.1	4.1	1.55	Passed
Pair 3 [3]	20.9	24.6	3.7	1.48	Passed
Pair 4 [4]	21.0	24.4	3.4	1.55	Passed



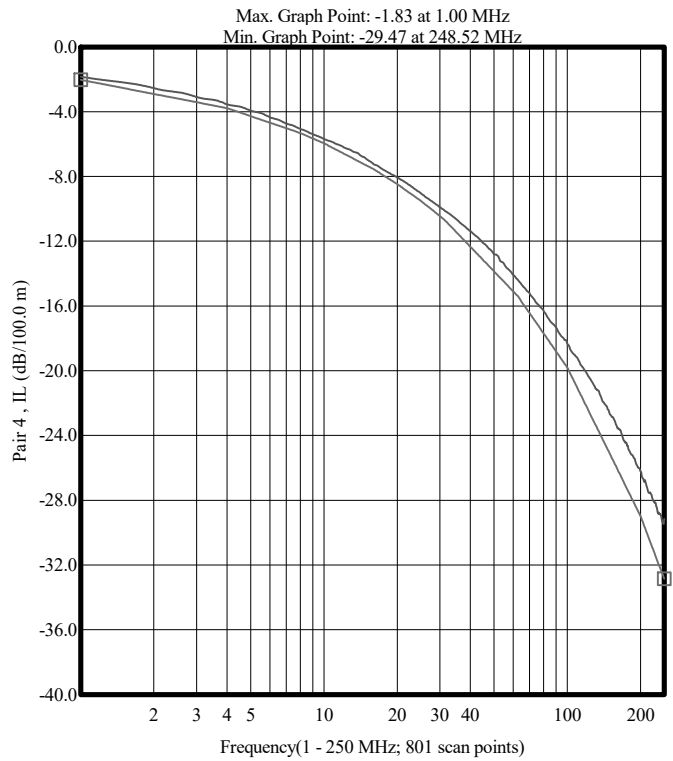
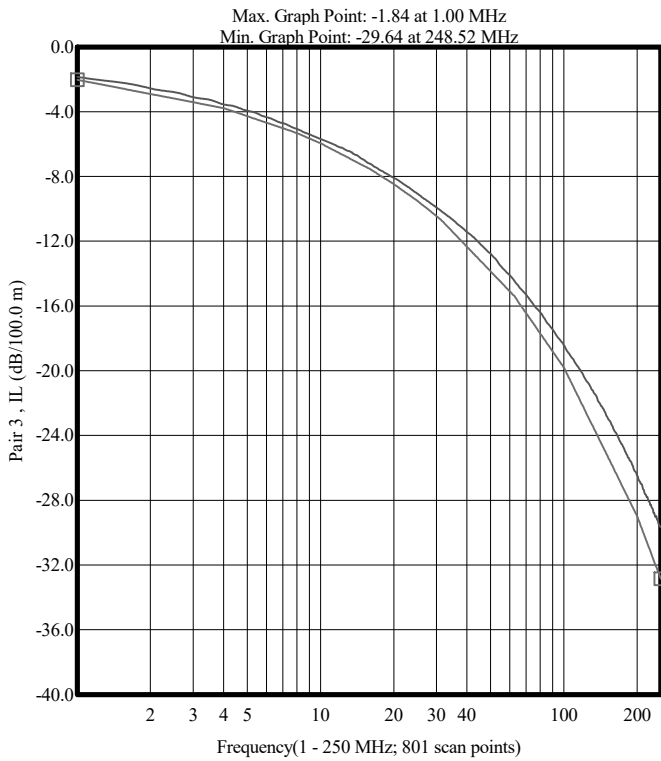
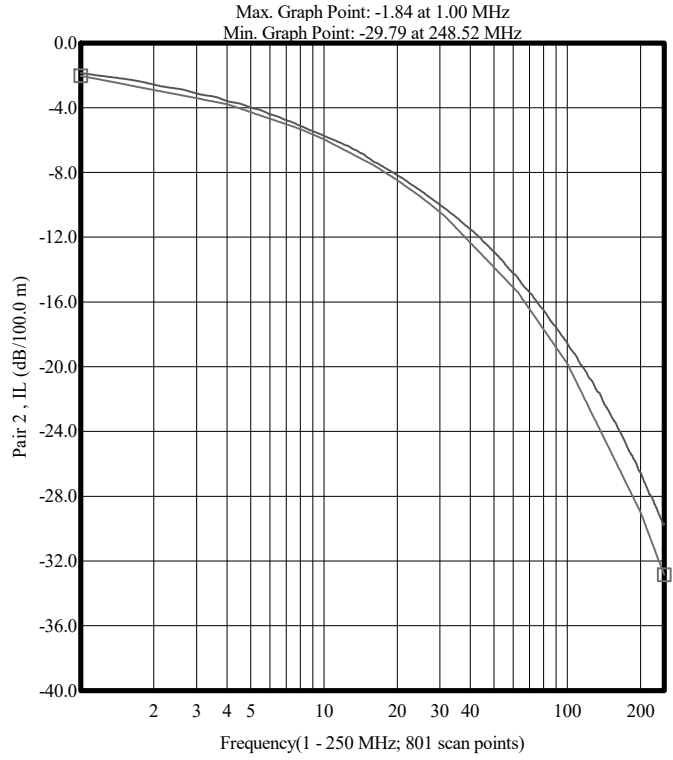
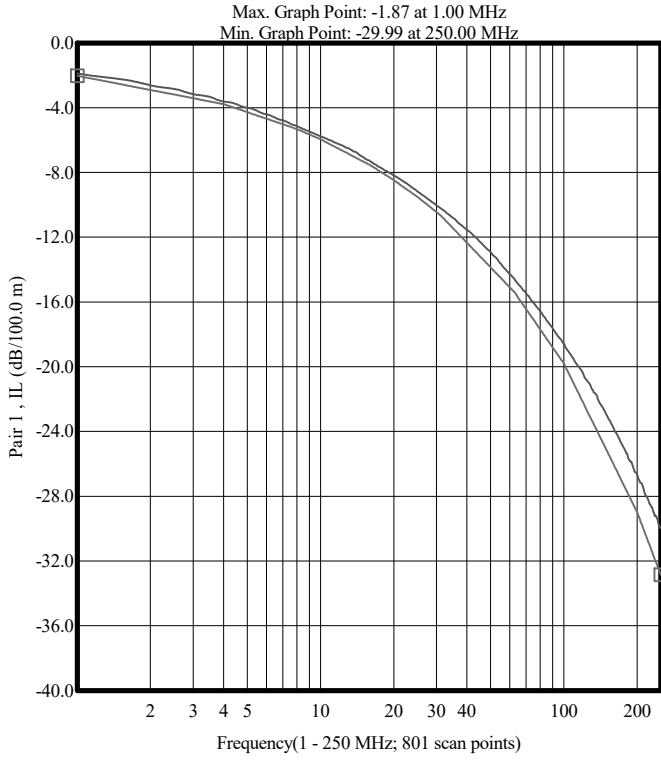
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Summary and Graphic: Insertion Loss (IL)(Curve Fit)@20C

Pair	Spec (Max)(dB/100.0 m)	Measured(dB/100.0 m)	Margin (dB/100.0 m)	@ Frequency (MHz)	Test Result
Pair 1 [1]	2.04	1.89	0.15	1.01	Passed
Pair 2 [2]	2.04	1.86	0.18	1.01	Passed
Pair 3 [3]	2.03	1.84	0.19	1.00	Passed
Pair 4 [4]	2.03	1.83	0.20	1.00	Passed



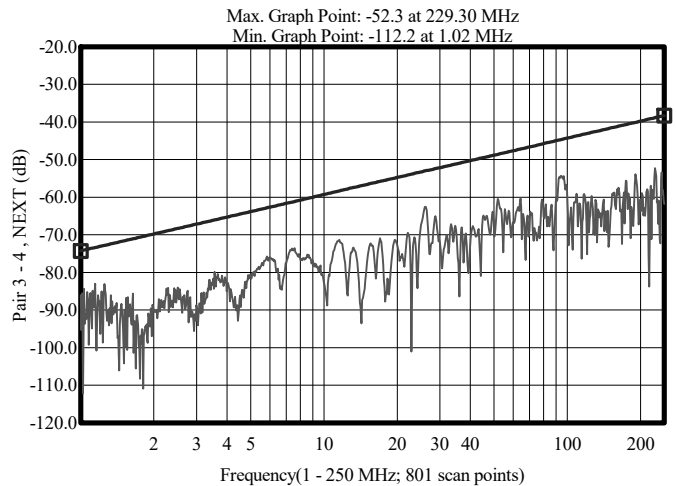
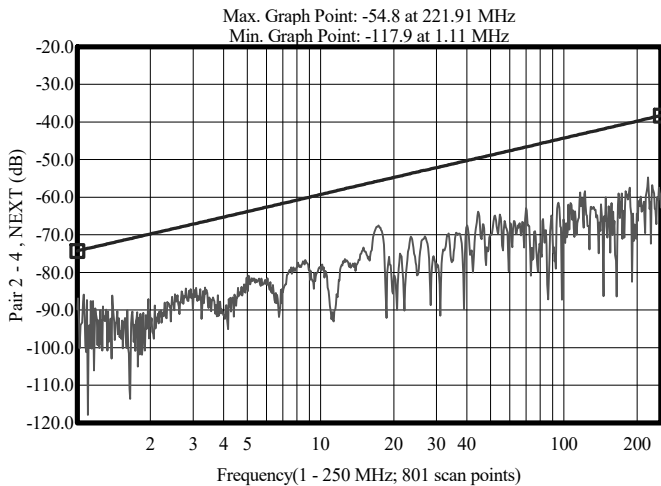
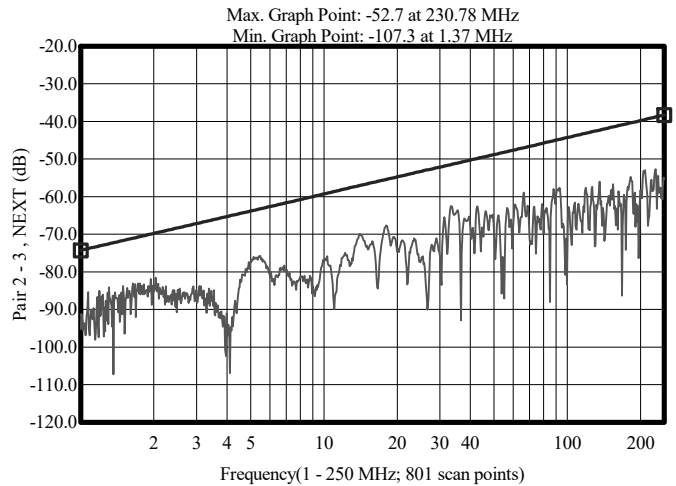
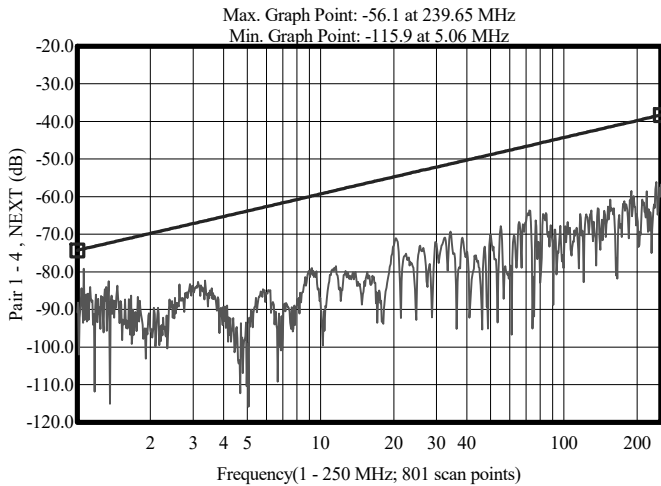
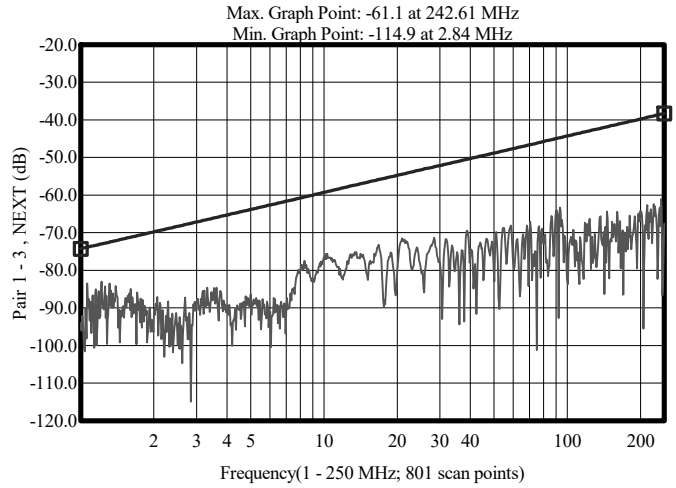
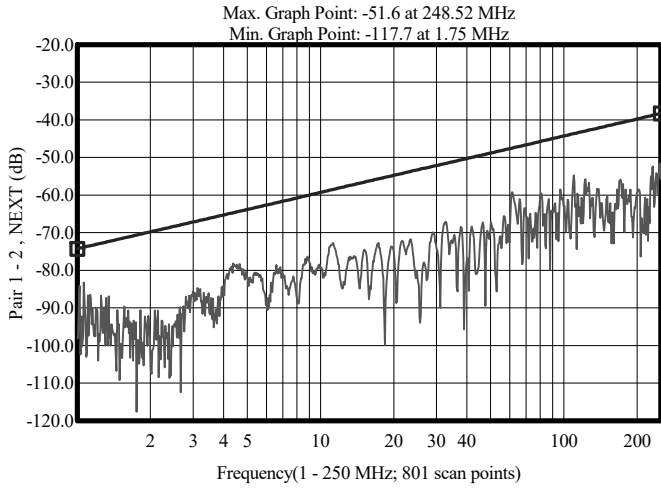
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Summary and Graphic: Near End Crosstalk Loss (NEXT)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 - 2	73.9	83.3	9.4	1.06	Passed
Pair 1 - 3	73.9	83.5	9.6	1.06	Passed
Pair 1 - 4	73.9	79.2	5.3	1.06	Passed
Pair 2 - 3	51.5	62.5	11.0	33.36	Passed
Pair 2 - 4	55.7	67.5	11.8	17.33	Passed
Pair 3 - 4	73.4	83.0	9.6	1.15	Passed



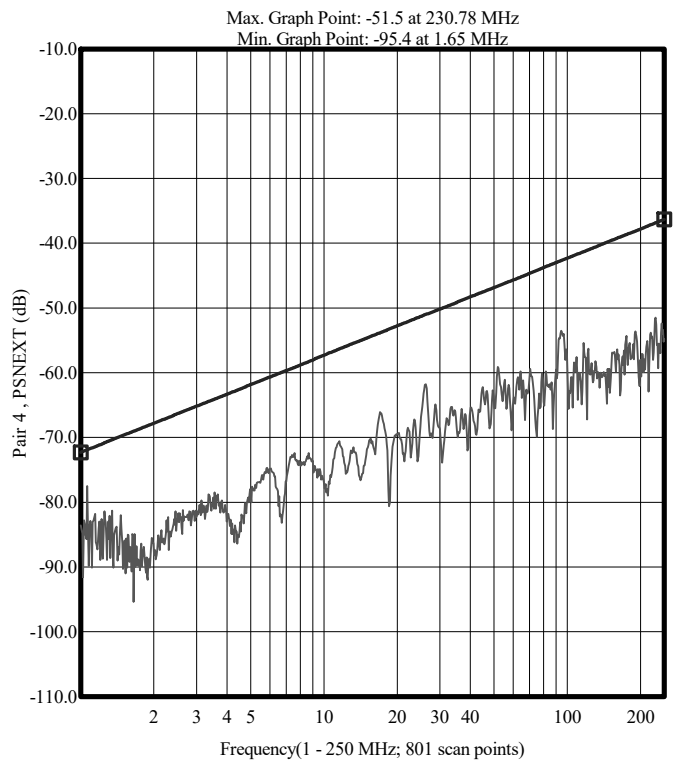
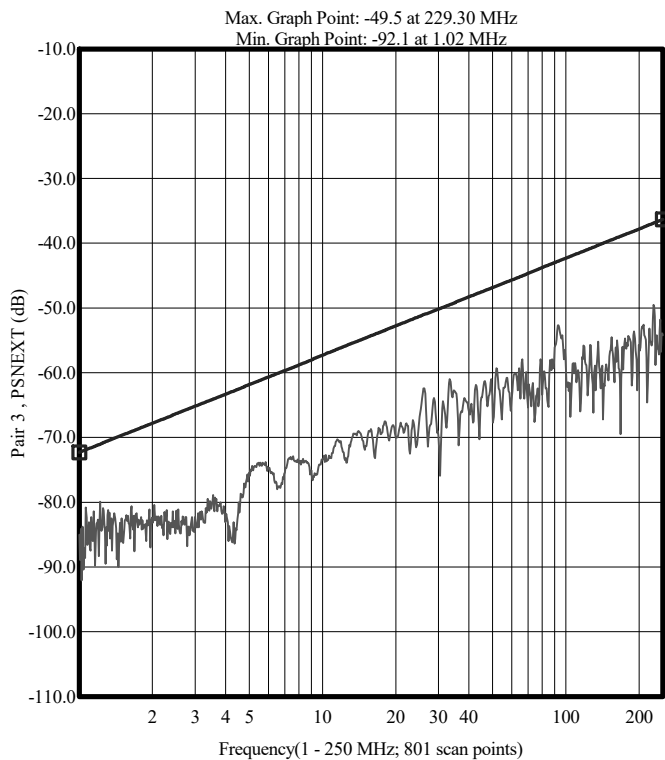
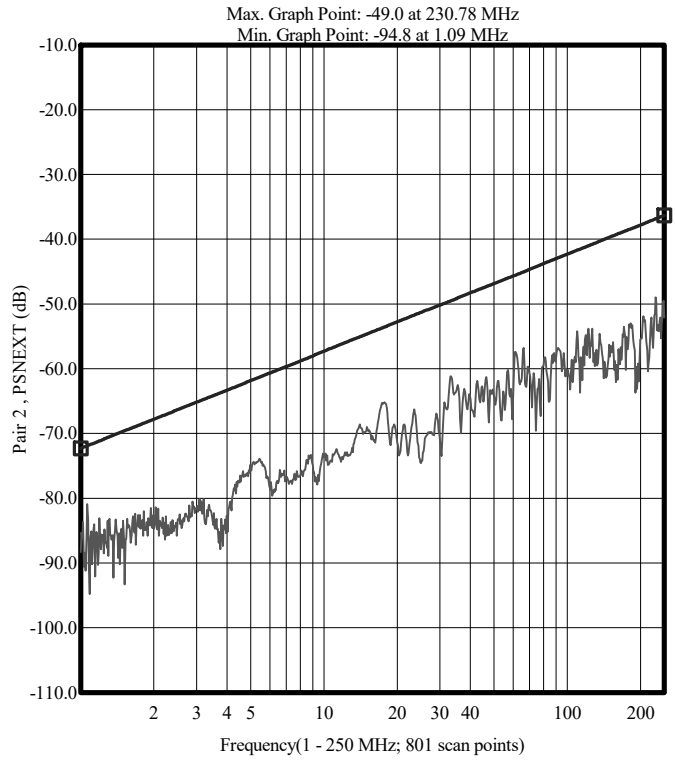
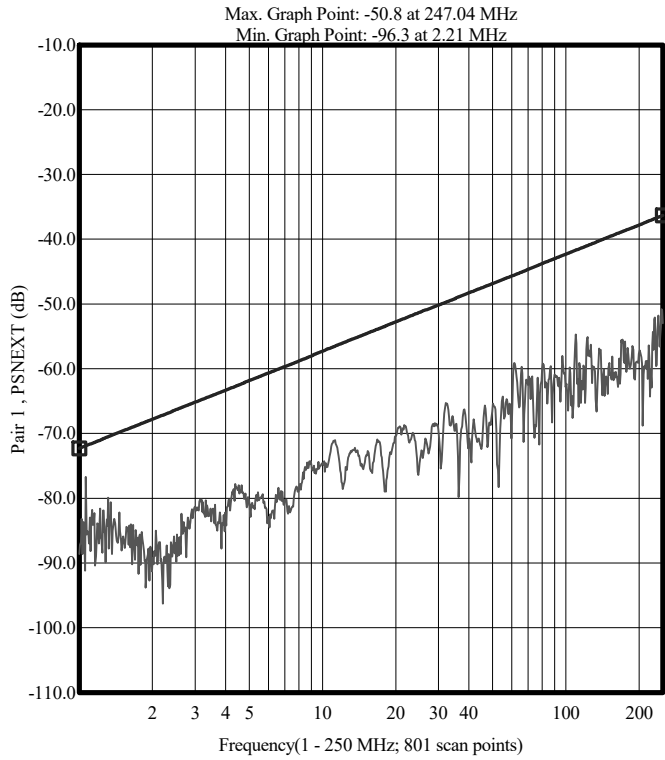
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Summary and Graphic: Power Sum NEXT(PSNEXT)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 [1]	71.9	76.7	4.8	1.06	Passed
Pair 2 [2]	71.9	80.9	9.0	1.06	Passed
Pair 3 [3]	71.9	80.8	8.9	1.06	Passed
Pair 4 [4]	71.9	77.5	5.6	1.06	Passed



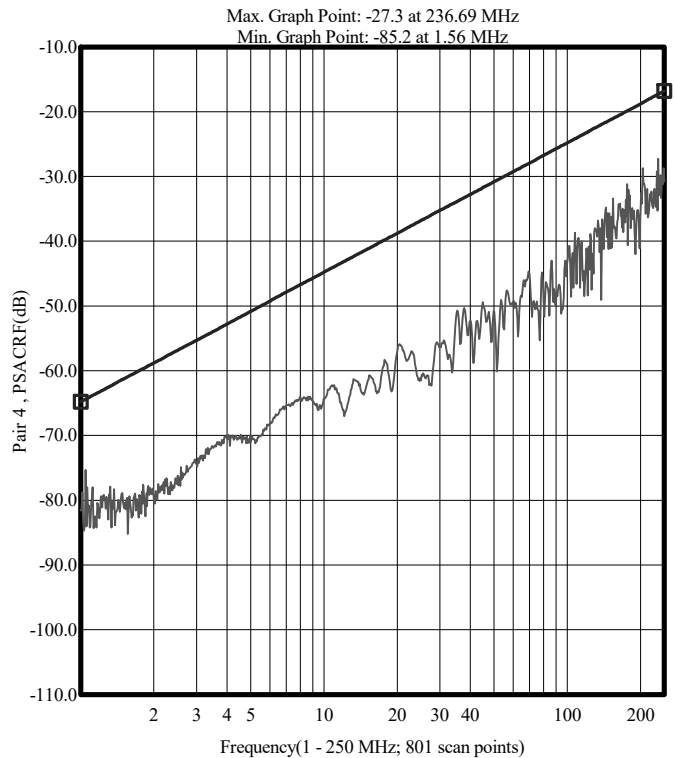
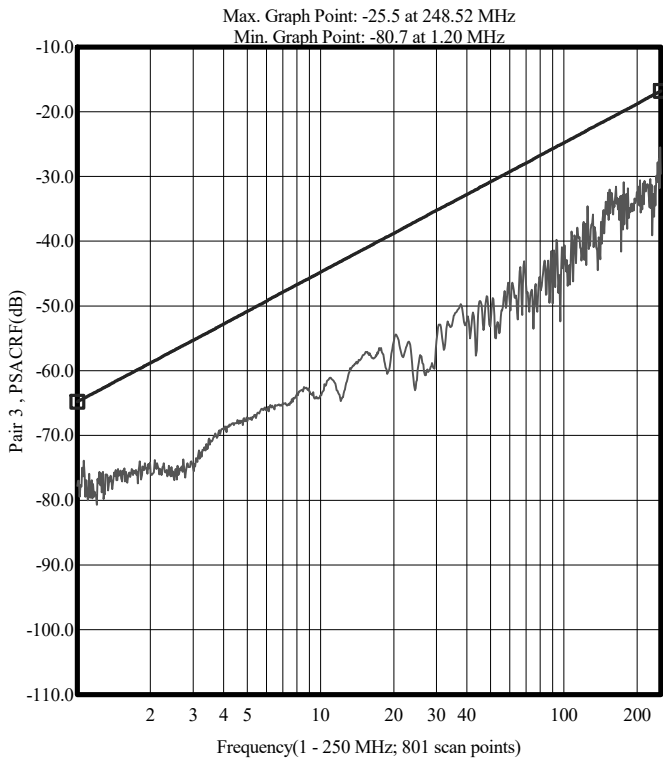
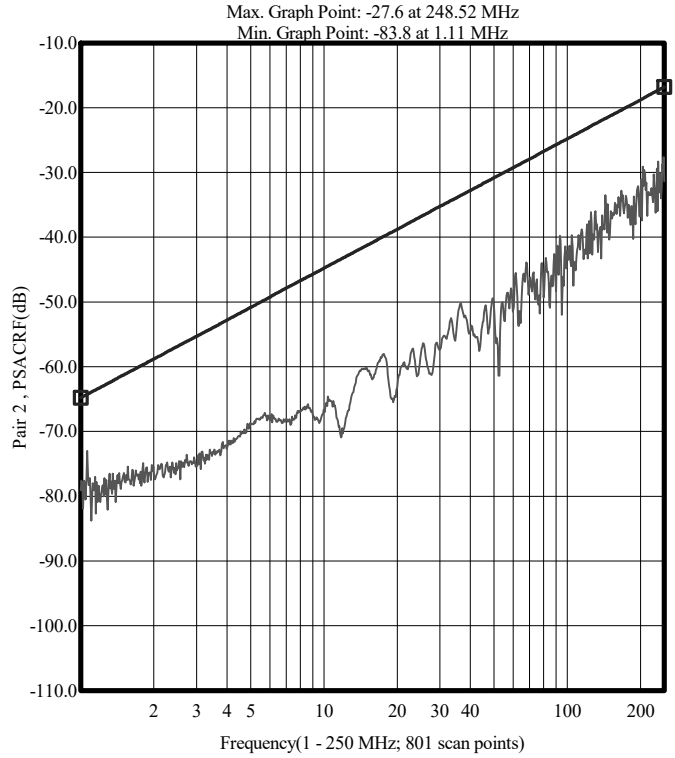
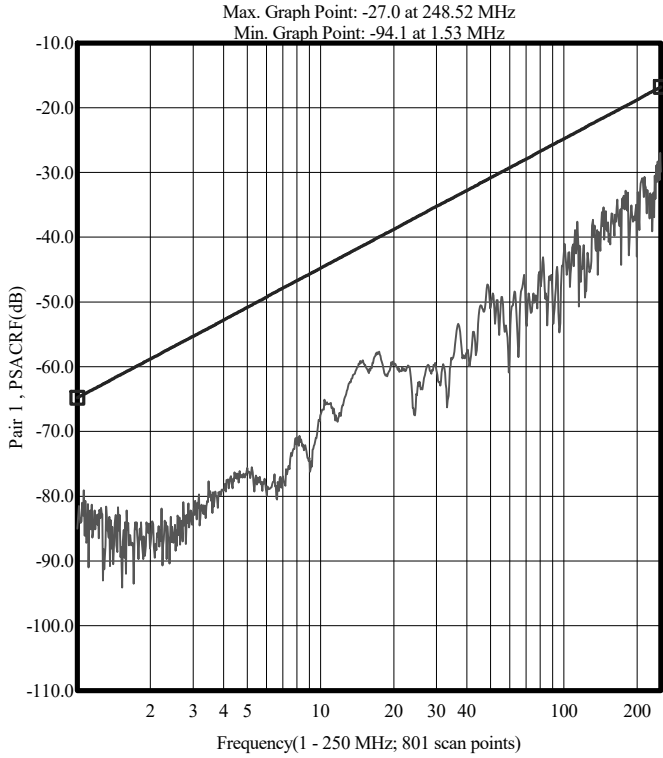
N/A = Not Applicable.
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Summary and Graphic: Power Sum ACRF (PSACRF)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 [1]	16.9	27.0	10.1	248.52	Passed
Pair 2 [2]	64.3	73.0	8.7	1.06	Passed
Pair 3 [3]	16.9	25.5	8.6	248.52	Passed
Pair 4 [4]	17.3	27.3	10.0	236.69	Passed



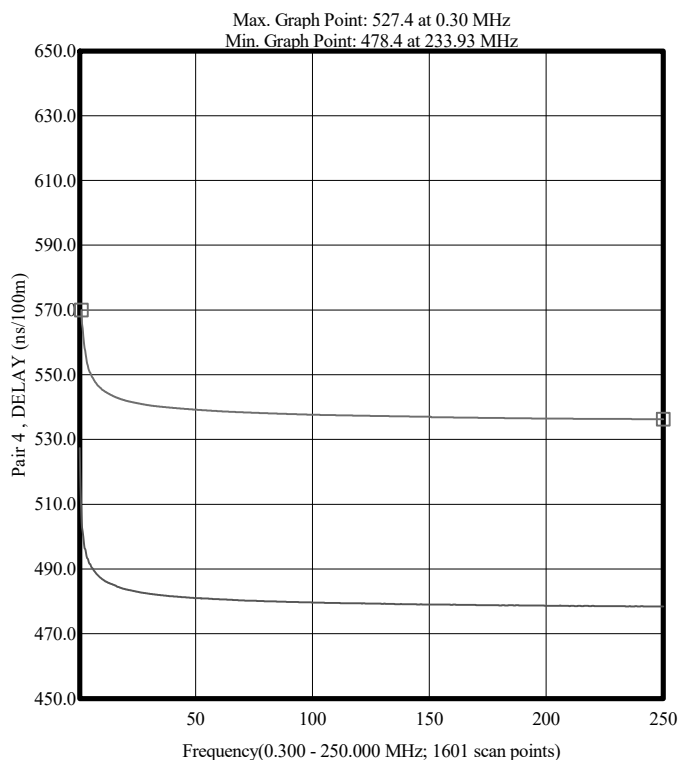
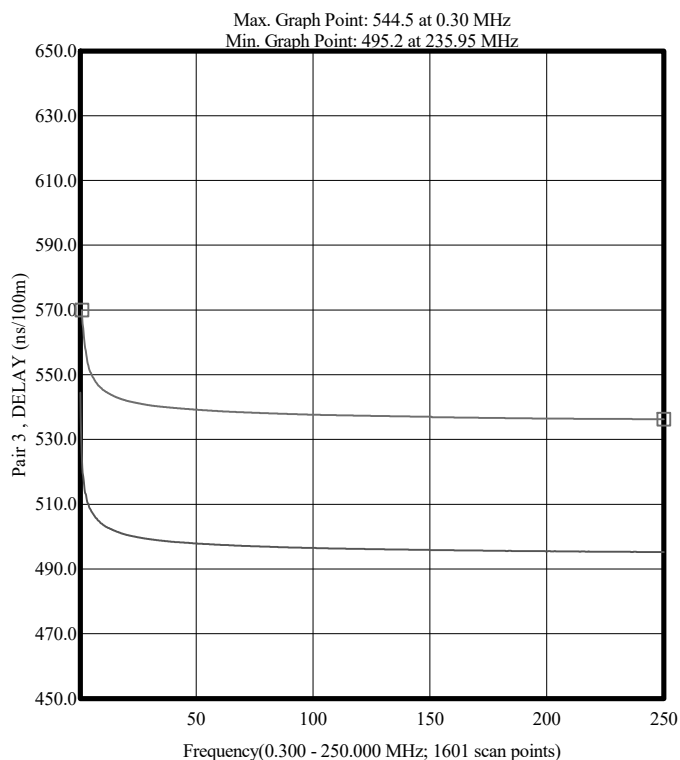
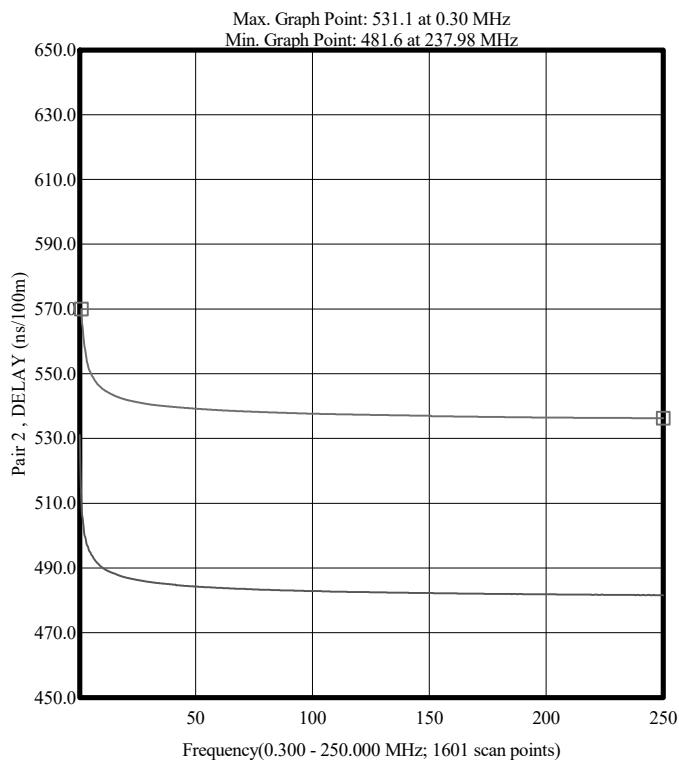
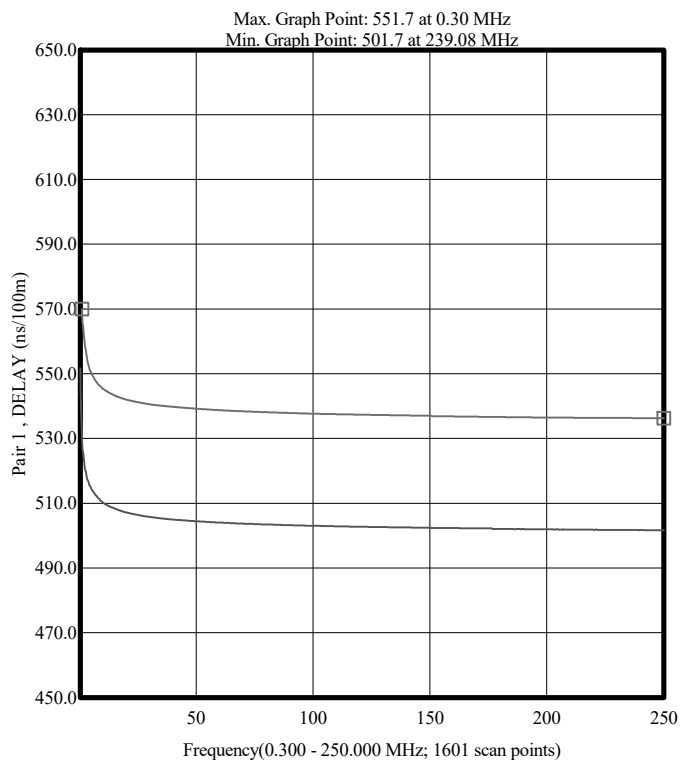
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Summary and Graphic: Propagation Delay (DELAY)

Pair	Spec (Max)(ns/100m)	Measured(ns/100m)	Margin (ns/100m)	@ Frequency (MHz)	Test Result
Pair 1 [1]	536.6	502.1	34.5	182.11	Passed
Pair 2 [2]	536.8	482.2	54.6	160.58	Passed
Pair 3 [3]	536.6	495.6	41.0	182.11	Passed
Pair 4 [4]	536.8	479.0	57.8	160.58	Passed



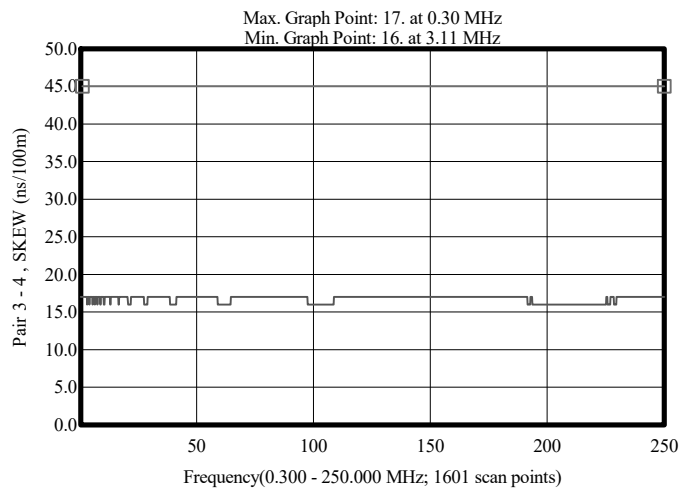
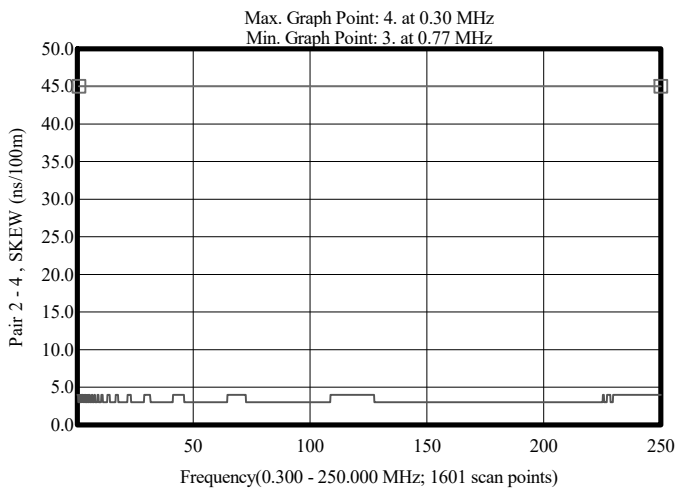
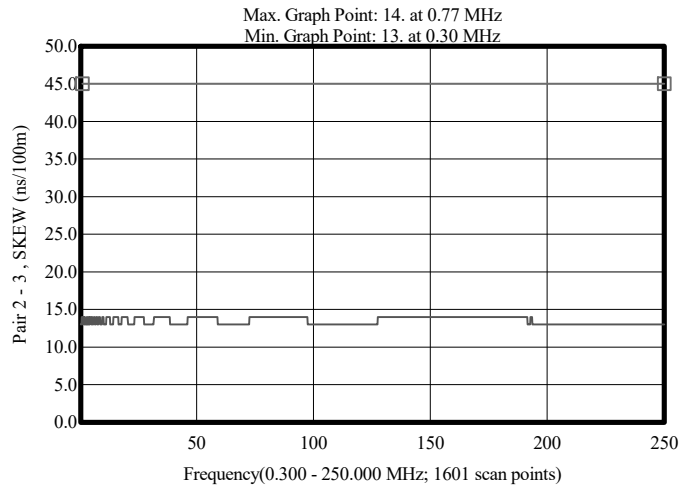
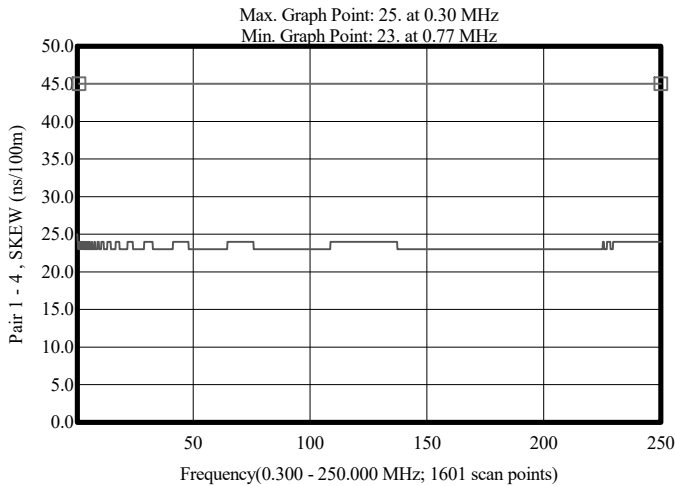
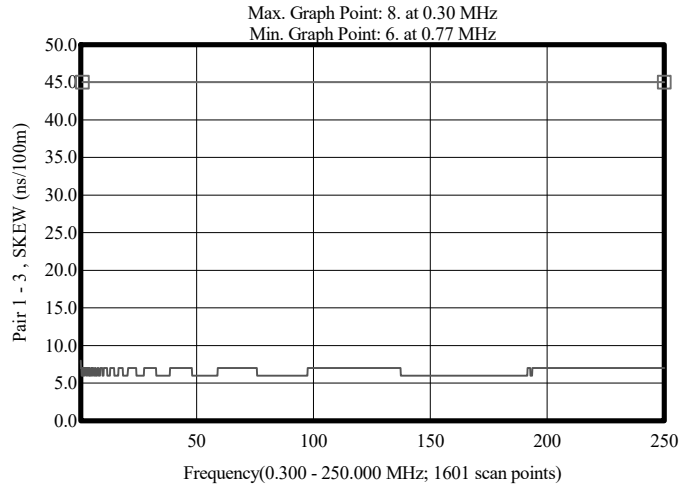
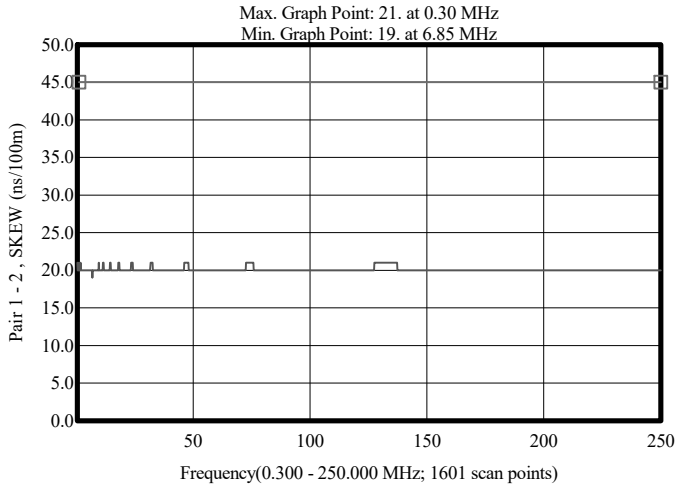
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xxx = No entry.

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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.	21.	24.	1.08	Passed
Pair 1 - 3	45.	7.	38.	1.08	Passed
Pair 1 - 4	45.	24.	21.	1.08	Passed
Pair 2 - 3	45.	14.	31.	1.08	Passed
Pair 2 - 4	45.	4.	41.	1.24	Passed
Pair 3 - 4	45.	17.	28.	1.08	Passed



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