

DCM Test Report

Cable Type : 4x2x23 x ALL(FL-62BFI-08)	Factory Number : FC01BC1002	Data File Name : DA106859.D3S
Cable I.D. : CAT6 F/UTP CABLE	Order Number : J05230313B003	Specification File : SK-4FCT6-083.S3S
Temperature : 23.00 癈	Relative Humidity : 50 %	Test Date/Time : 03/14/2023 11:15:00 AM
Length : 100.00 m	Number of Pairs to Test : 4	Operator : LPL
Starting Position : 13		Analyzer Type : ENA

Pass - Fail Test Certificate - 4 Pairs

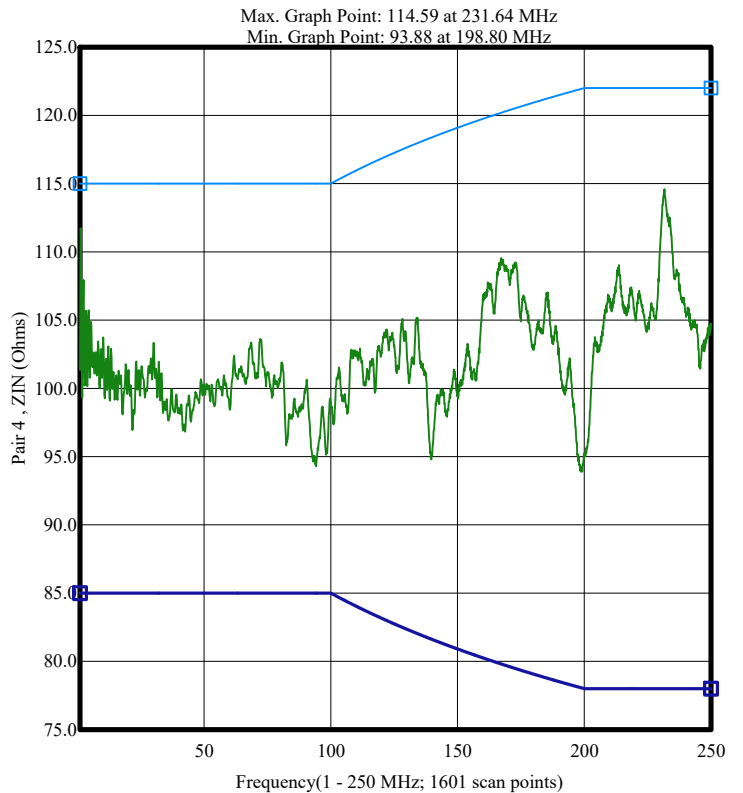
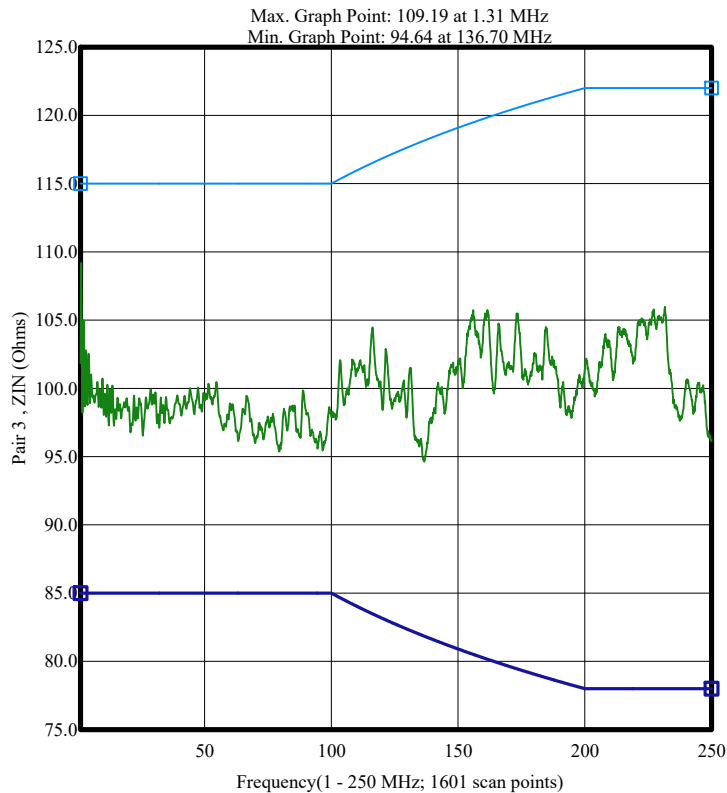
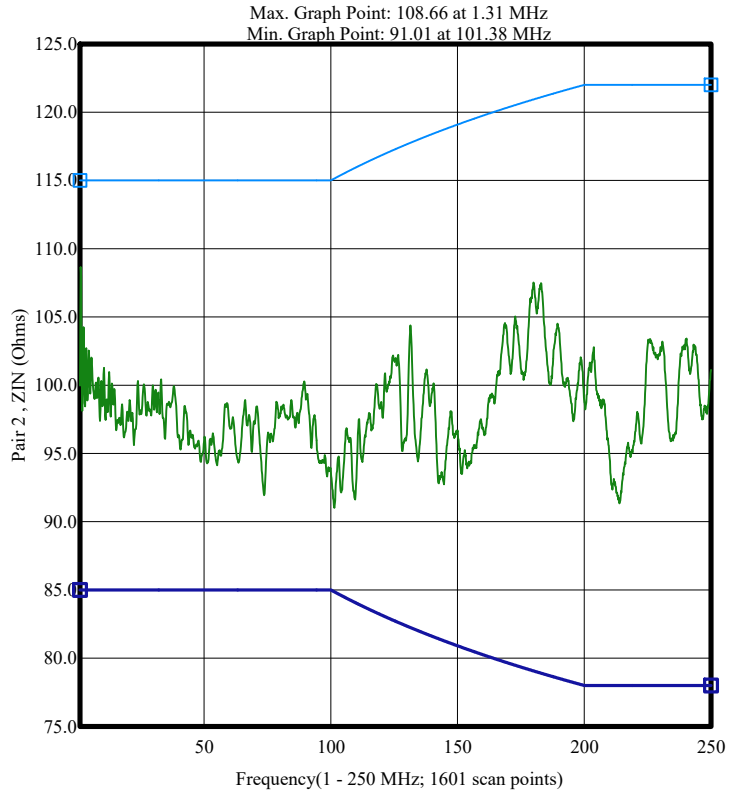
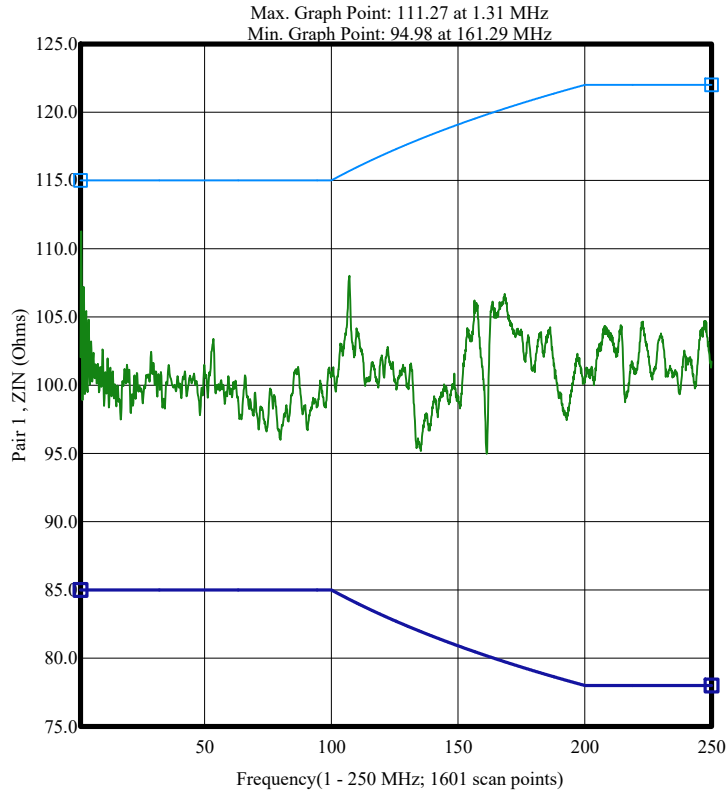
High Frequency

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 [13]	85.00	115.00	96.00	111.27	11.00	3.73	79.90	1.31	Passed
Pair 2 [14]	84.86	115.00	91.01	108.66	6.15	6.34	101.38	1.31	Passed
Pair 3 [15]	85.00	115.00	95.37	109.19	10.37	5.81	79.43	1.31	Passed
Pair 4 [16]	85.00	115.00	94.29	111.73	9.29	3.27	94.22	1.31	Passed



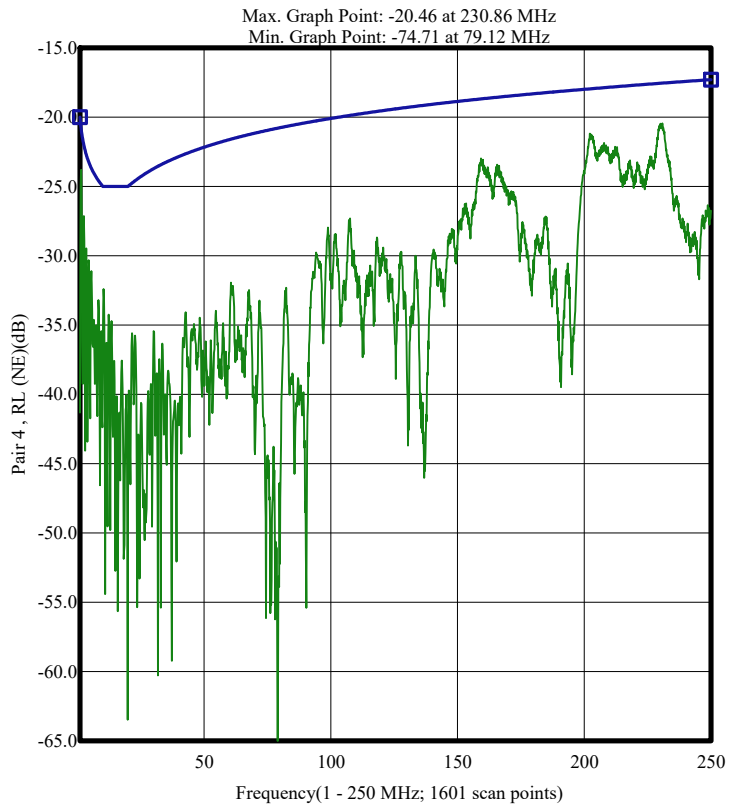
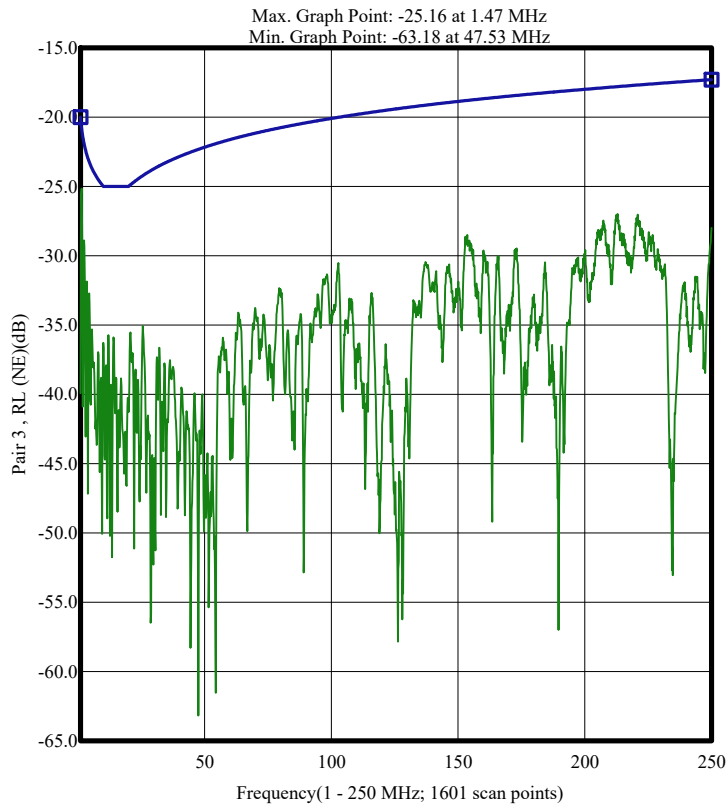
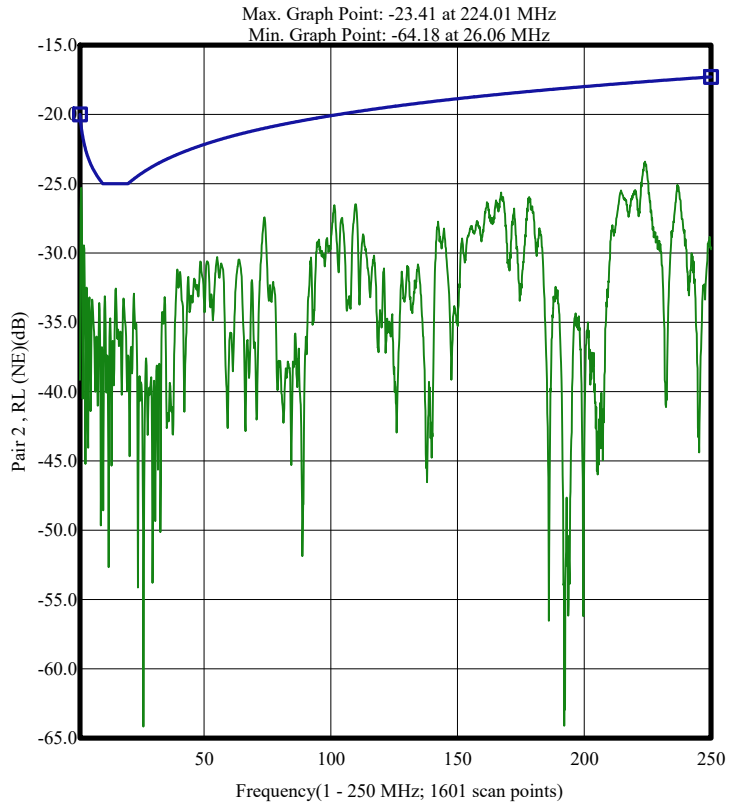
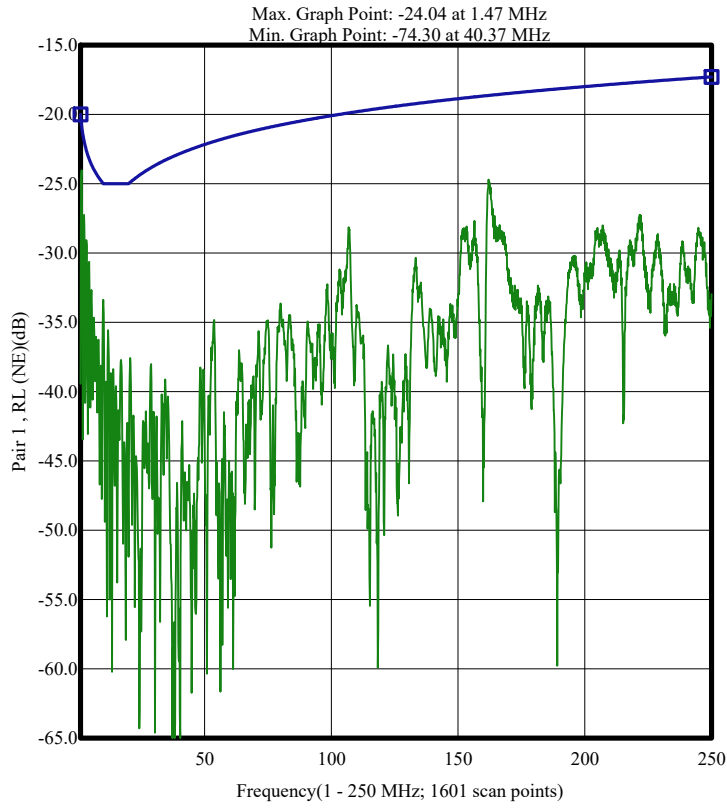
N/A = Not Applicable.
--- = Disable/Bypassed Pair.

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Summary and Graphic: Return Loss (RL)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 [13]	20.83	24.04	3.21	1.47	Passed
Pair 2 [14]	20.83	25.31	4.48	1.47	Passed
Pair 3 [15]	20.83	25.16	4.33	1.47	Passed
Pair 4 [16]	17.55	20.46	2.91	230.86	Passed



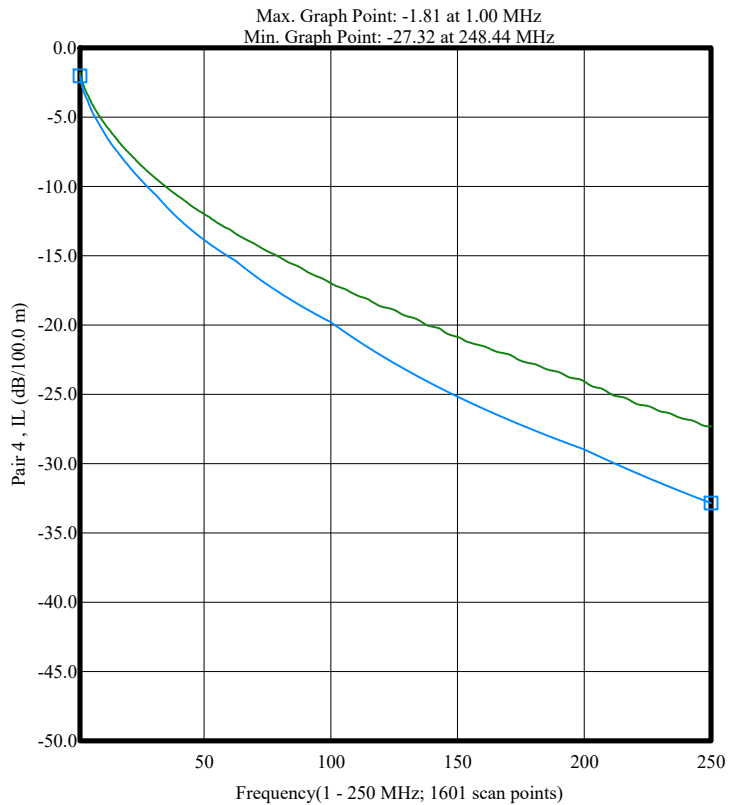
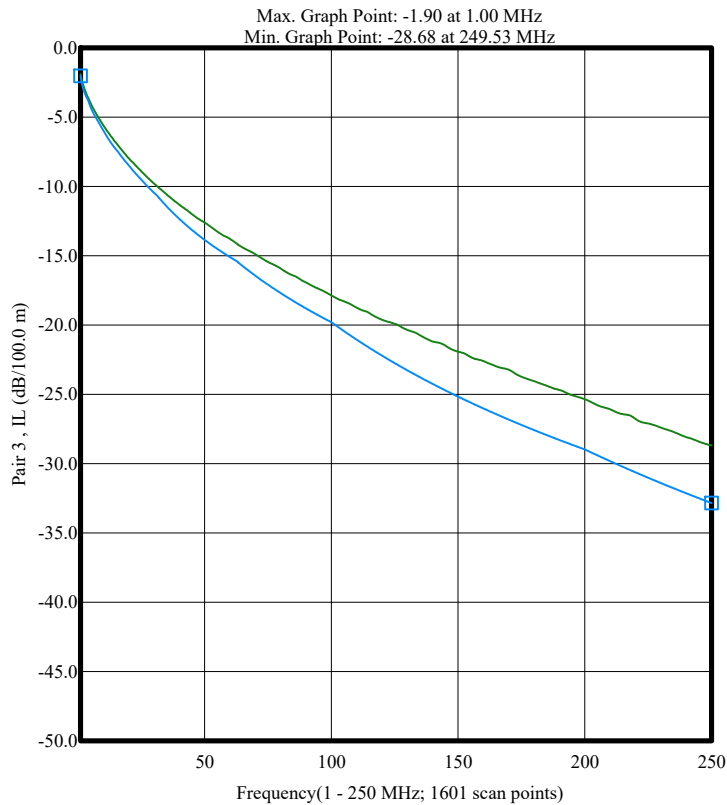
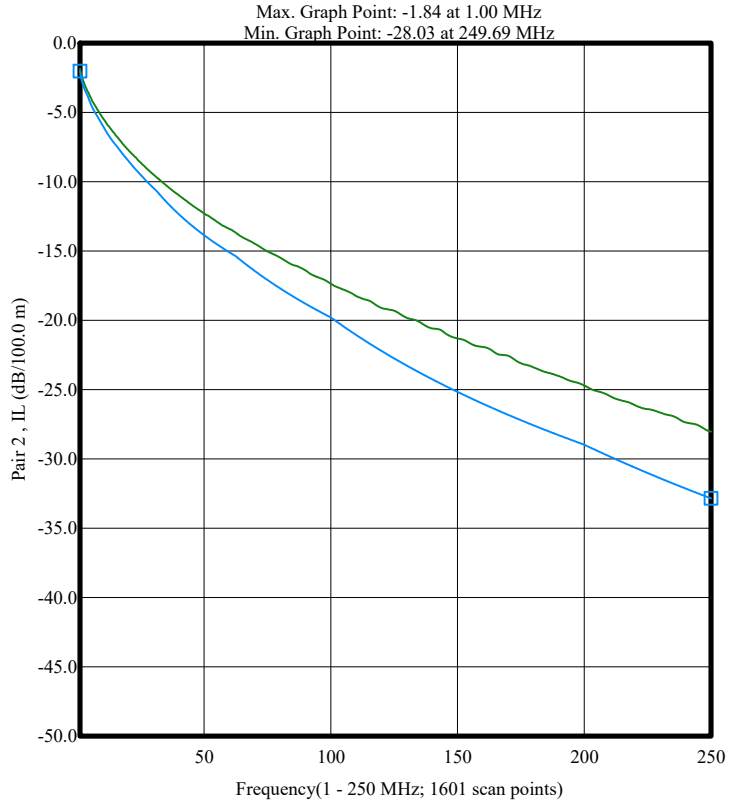
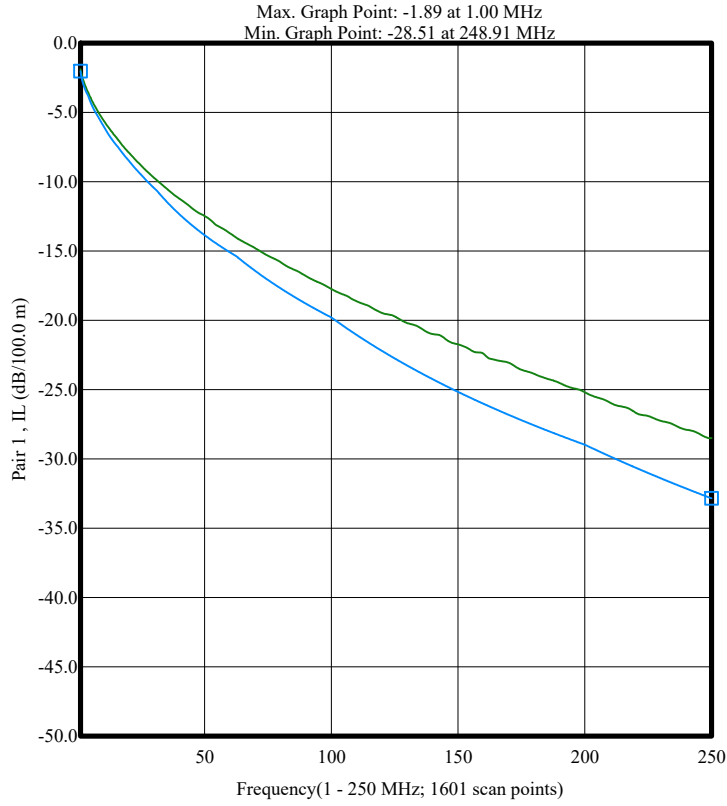
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Summary and Graphic: Insertion Loss (IL)(Curve Fit)@20C

Pair	Spec (Max)(dB/100.0 m)	Measured(dB/100.0 m)	Margin (dB/100.0 m)	@ Frequency (MHz)	Test Result
Pair 1 [13]	2.03	1.89	0.14	1.00	Passed
Pair 2 [14]	2.03	1.84	0.19	1.00	Passed
Pair 3 [15]	2.03	1.90	0.13	1.00	Passed
Pair 4 [16]	2.03	1.81	0.22	1.00	Passed



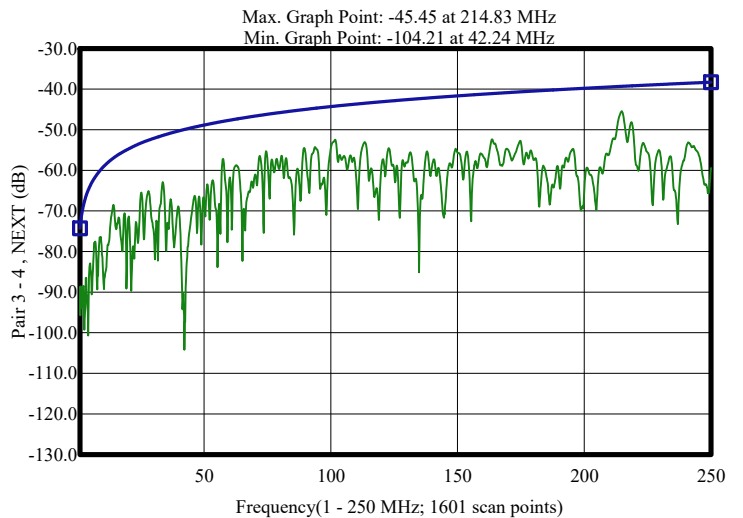
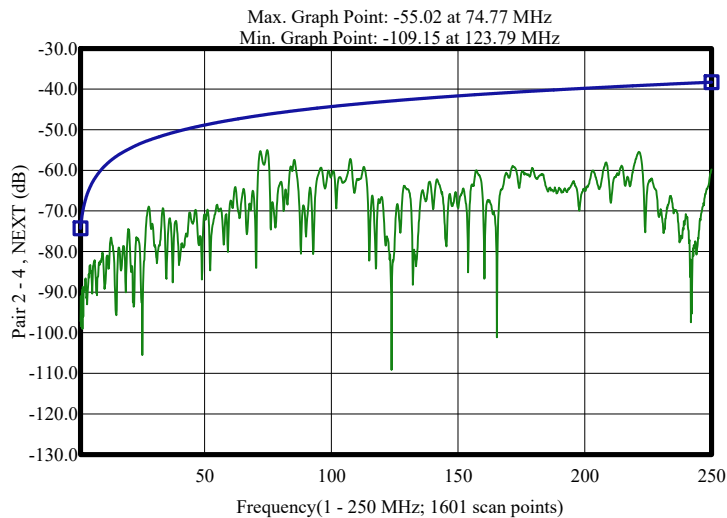
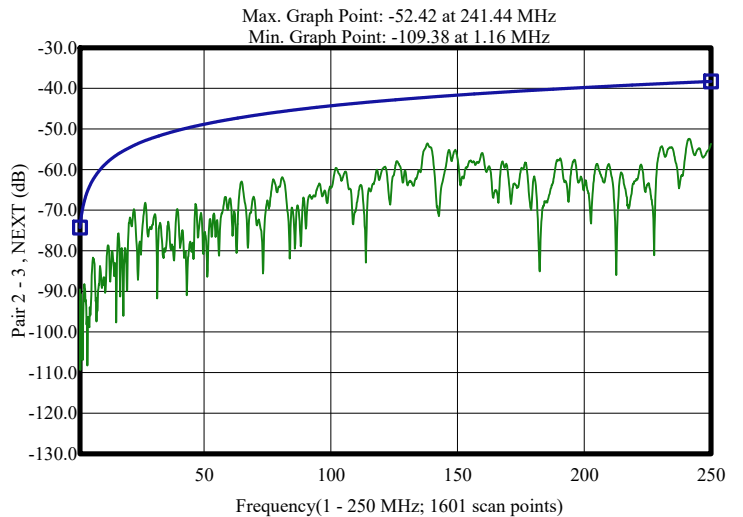
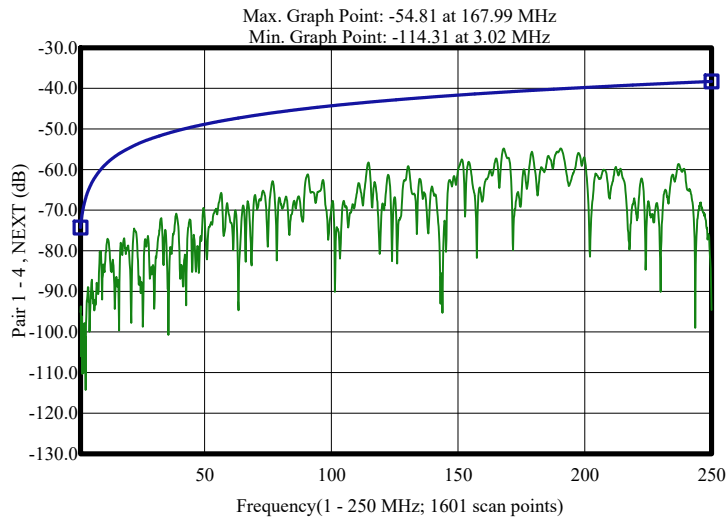
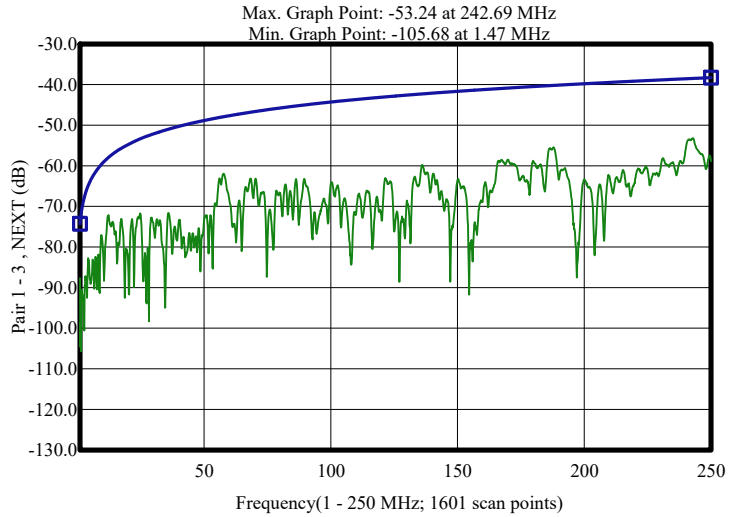
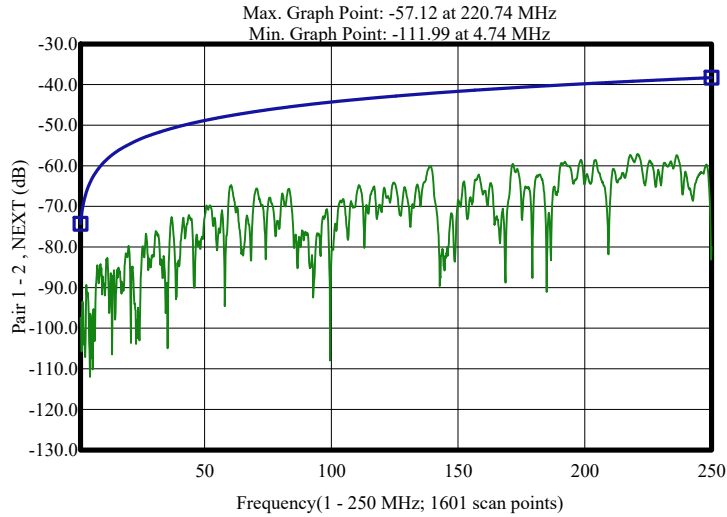
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Summary and Graphic: Near End Crosstalk Loss (NEXT)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 - 2	47.62	64.74	17.12	60.45	Passed
Pair 1 - 3	74.30	87.67	13.37	1.00	Passed
Pair 1 - 4	40.93	54.81	13.88	167.99	Passed
Pair 2 - 3	42.20	53.57	11.37	138.11	Passed
Pair 2 - 4	46.47	55.26	8.79	71.96	Passed
Pair 3 - 4	39.32	45.45	6.13	214.83	Passed



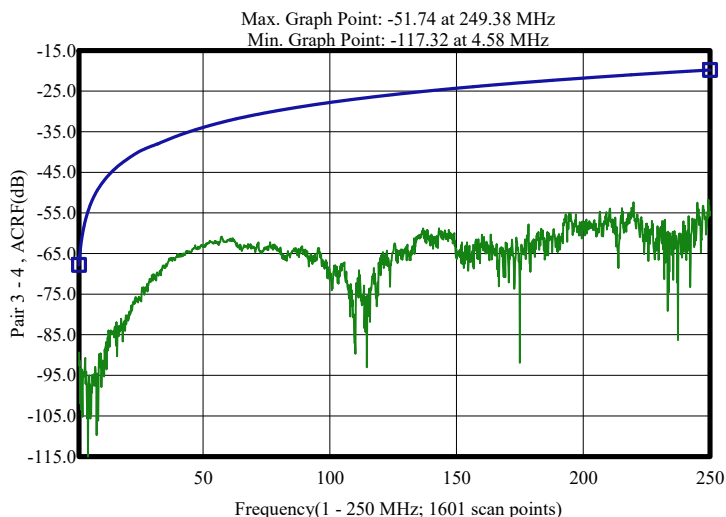
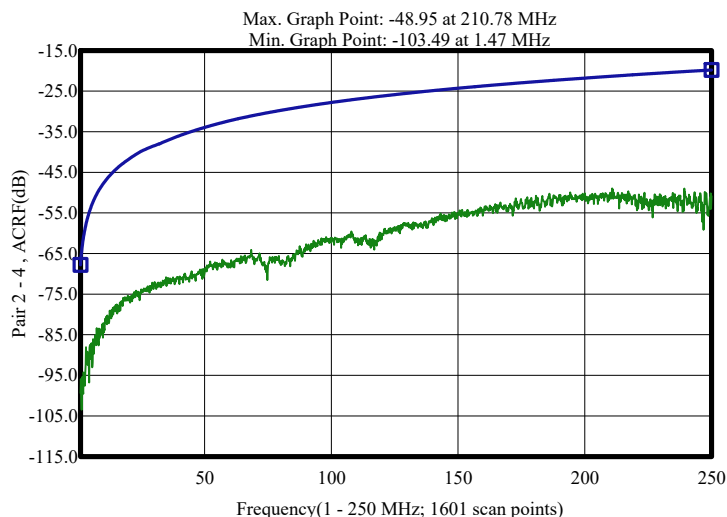
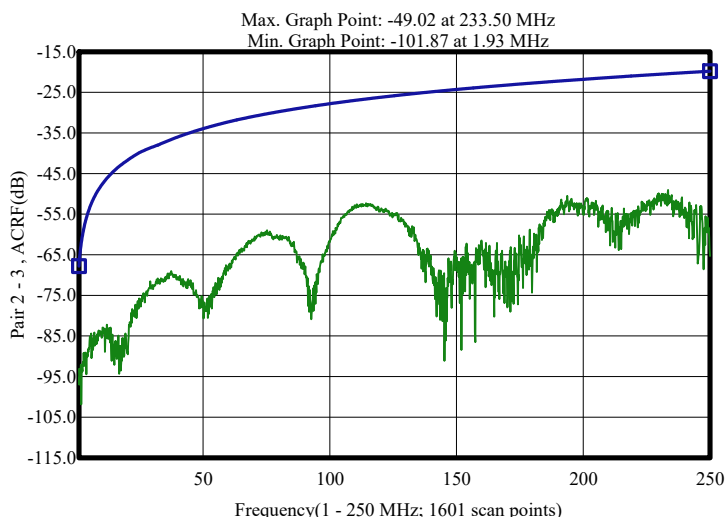
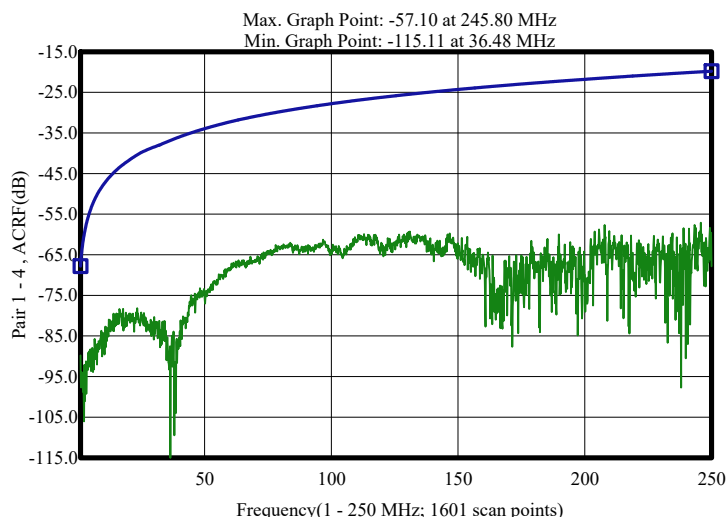
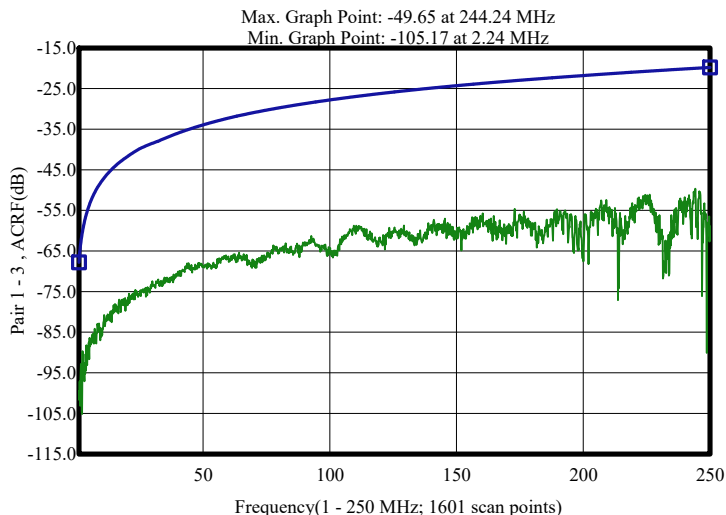
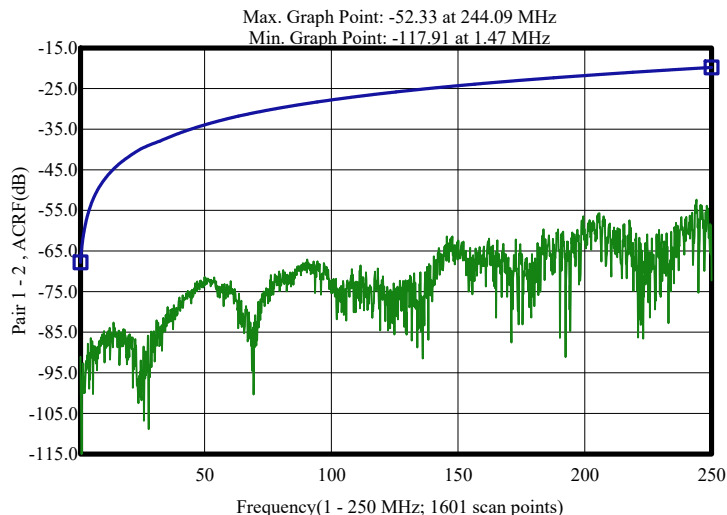
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Summary and Graphic: ACR to FEXT Ratio (ACRF)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 - 2	67.80	91.05	23.25	1.00	Passed
Pair 1 - 3	60.22	89.69	29.47	2.40	Passed
Pair 1 - 4	67.80	89.79	21.99	1.00	Passed
Pair 2 - 3	67.80	93.12	25.32	1.00	Passed
Pair 2 - 4	21.33	48.95	27.62	210.78	Passed
Pair 3 - 4	67.80	89.36	21.56	1.00	Passed



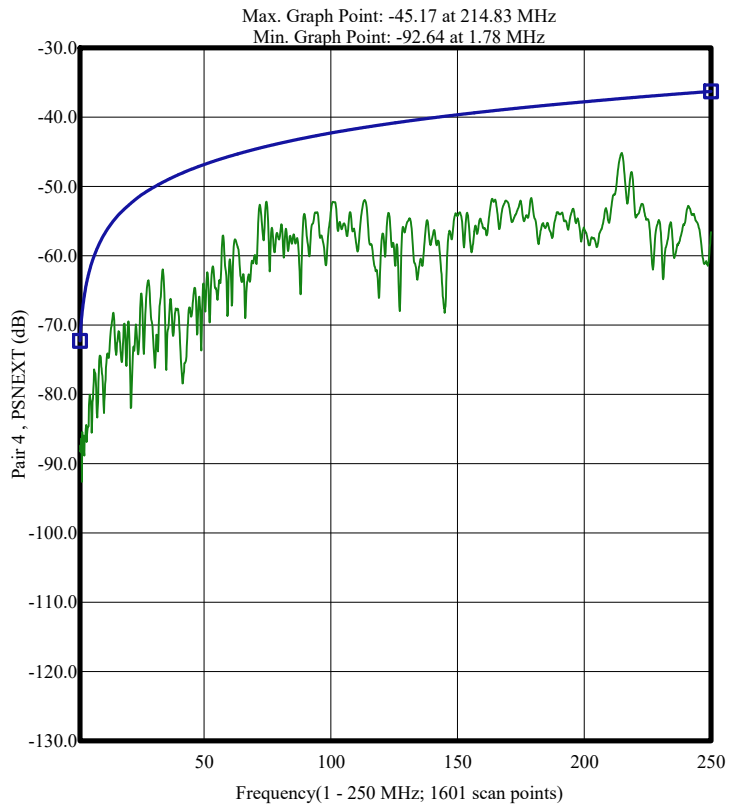
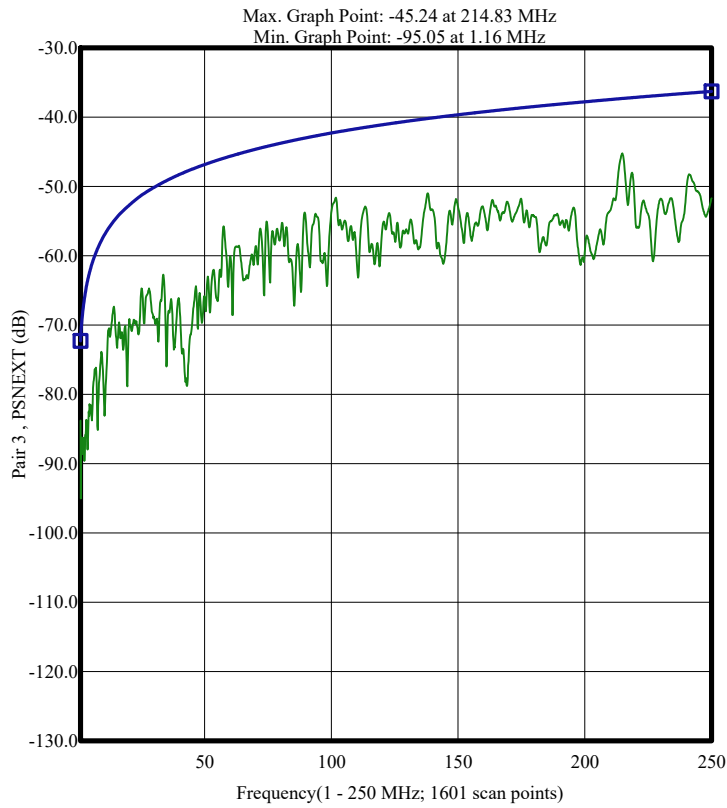
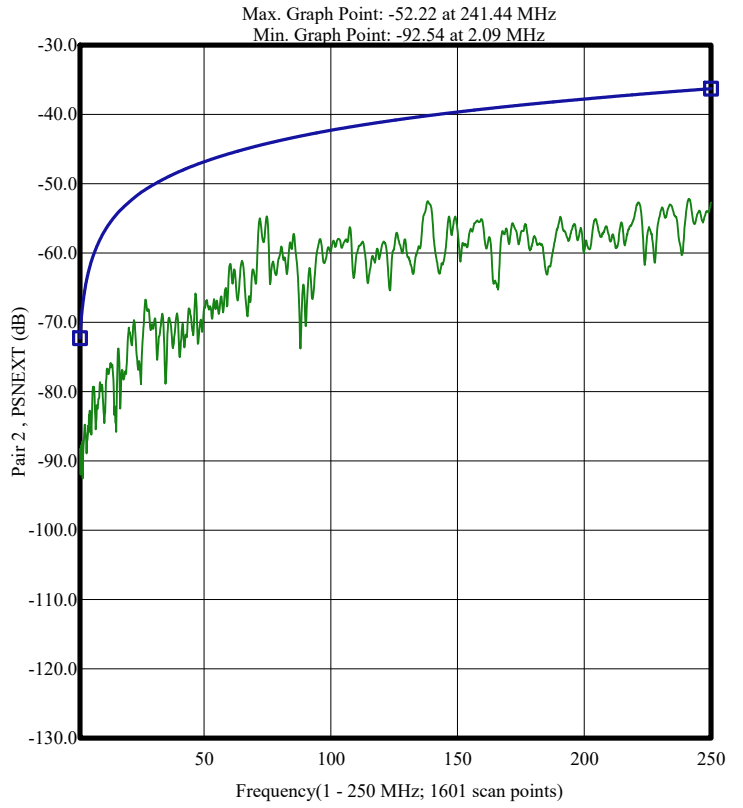
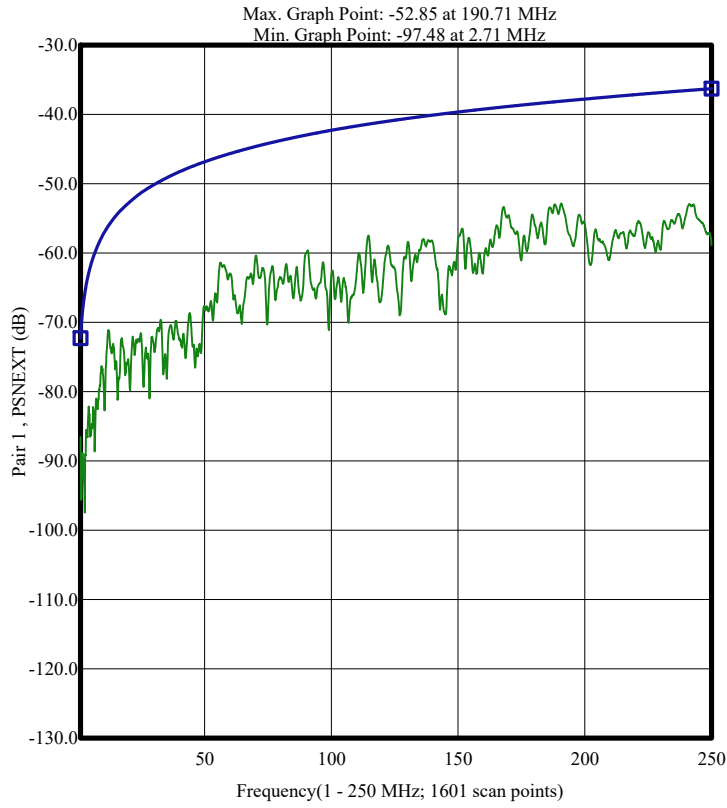
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Summary and Graphic: Power Sum NEXT(PSNEXT)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 [13]	72.30	86.58	14.28	1.00	Passed
Pair 2 [14]	44.22	54.73	10.51	74.77	Passed
Pair 3 [15]	37.32	45.24	7.92	214.83	Passed
Pair 4 [16]	37.32	45.17	7.85	214.83	Passed



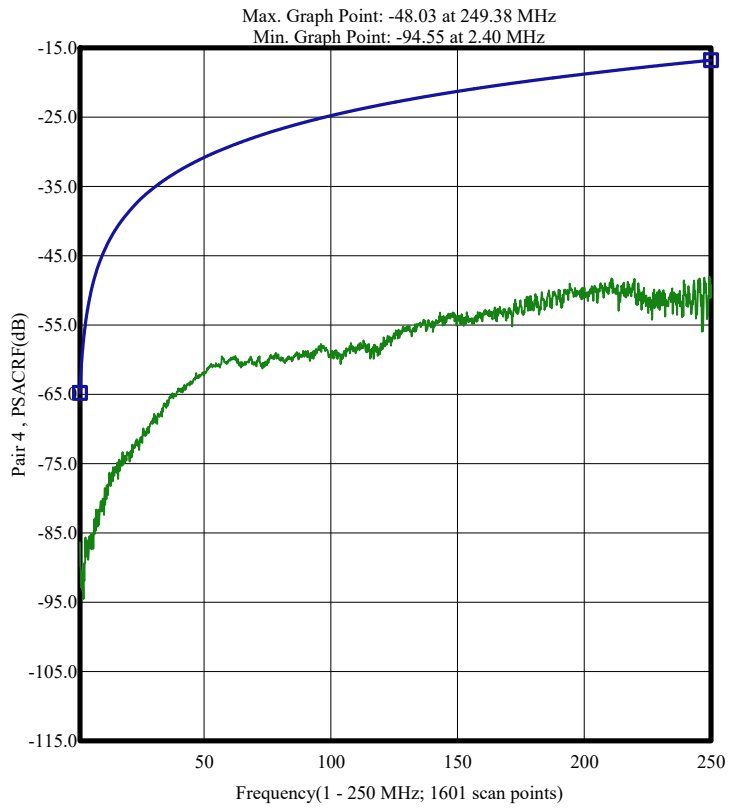
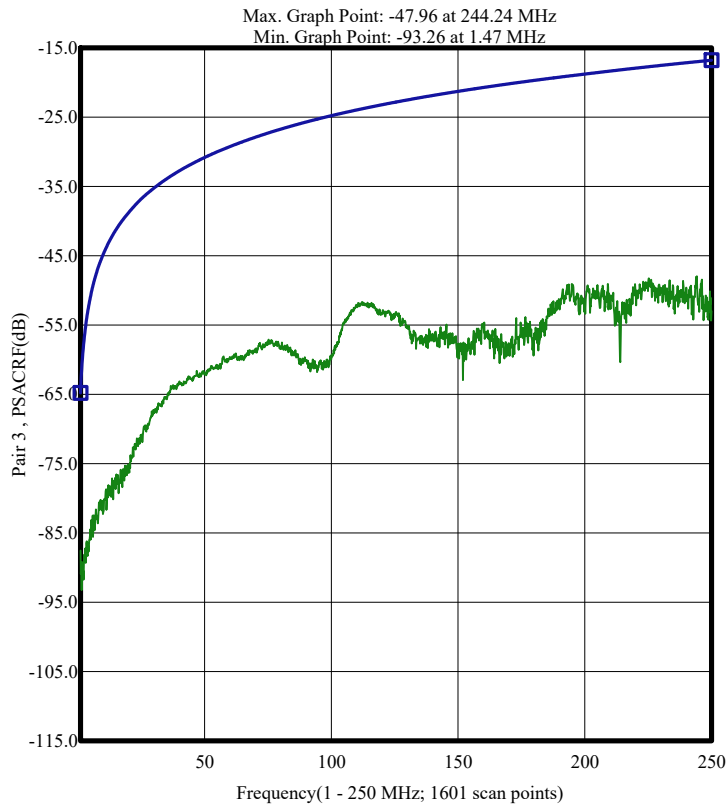
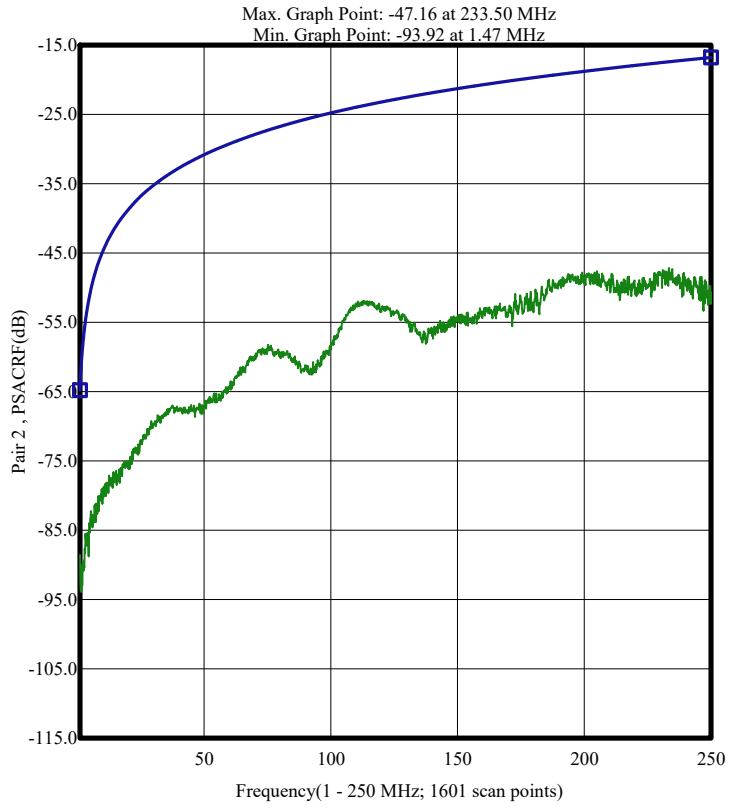
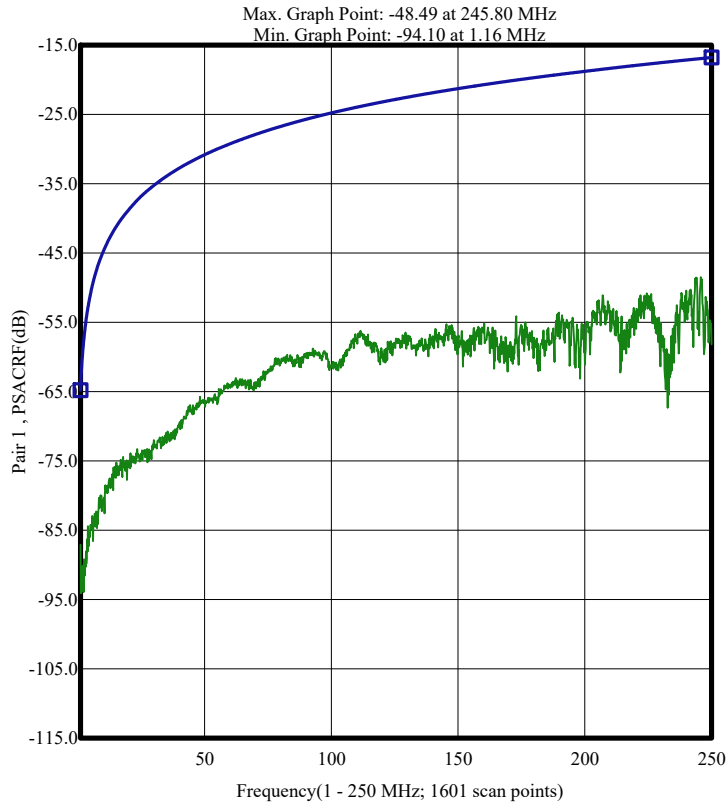
N/A = Not Applicable.
--- = Disable/Bypassed Pair.

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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 [13]	64.80	87.11	22.31	1.00	Passed
Pair 2 [14]	64.80	88.57	23.77	1.00	Passed
Pair 3 [15]	64.80	87.55	22.75	1.00	Passed
Pair 4 [16]	64.80	86.34	21.54	1.00	Passed



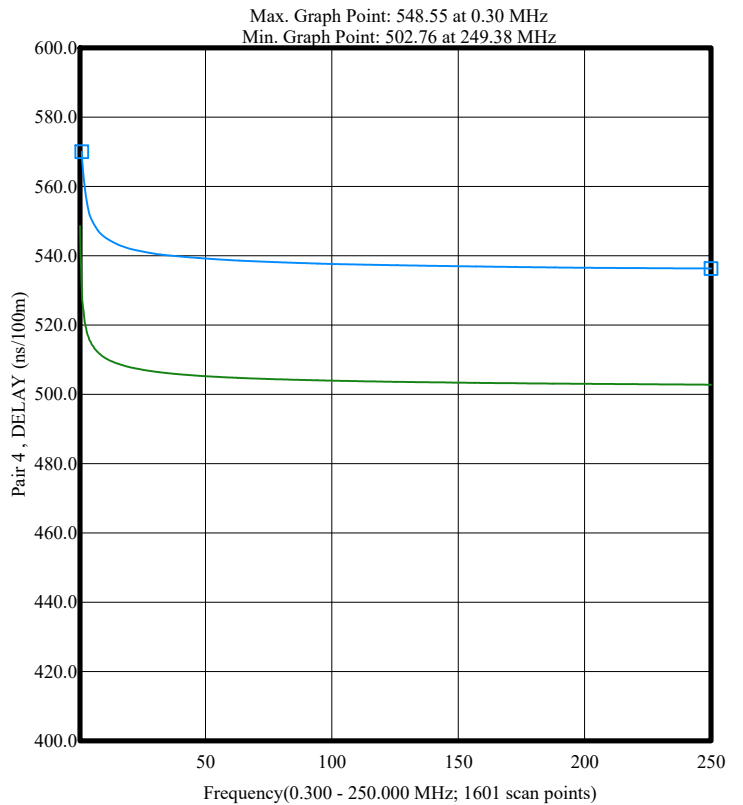
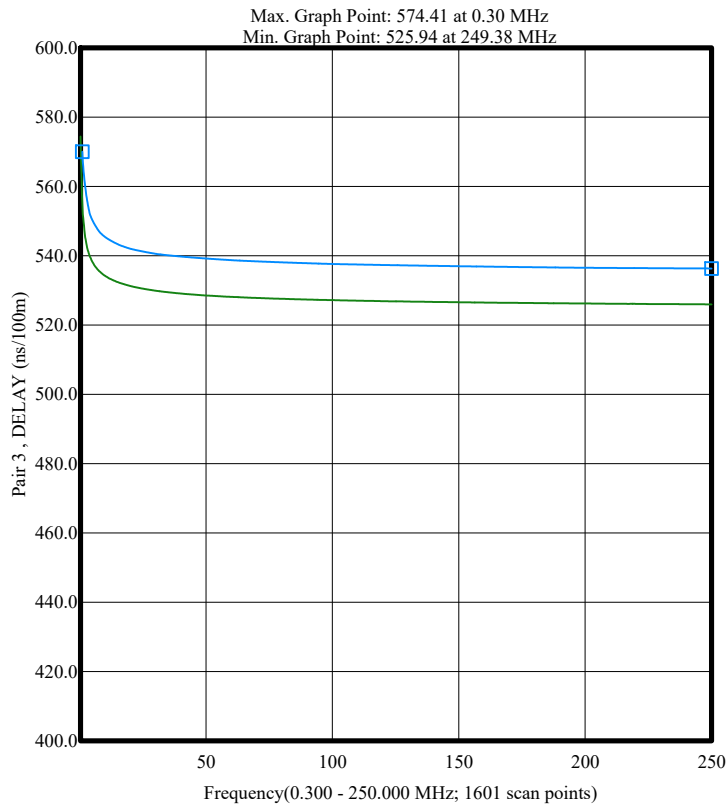
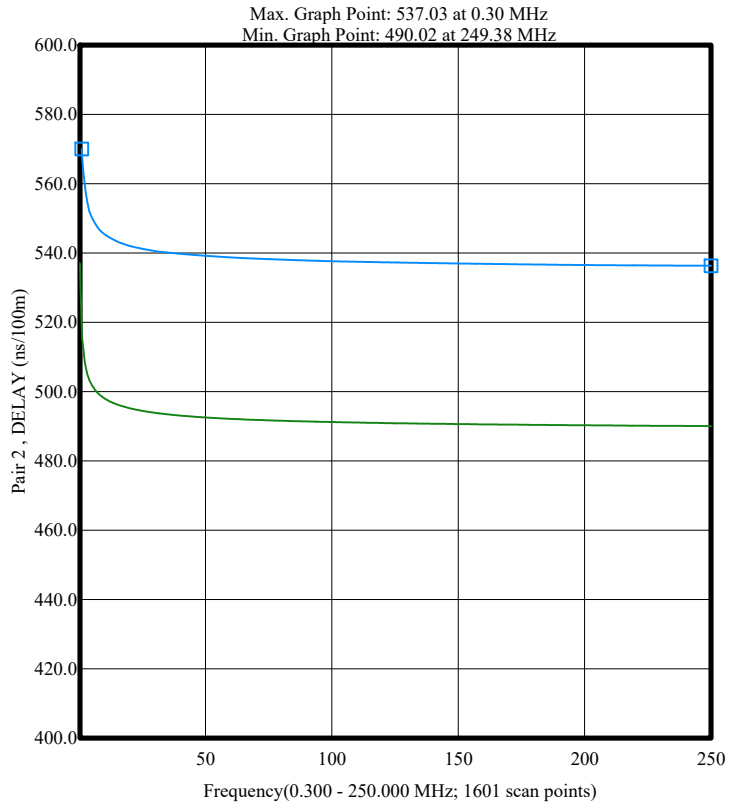
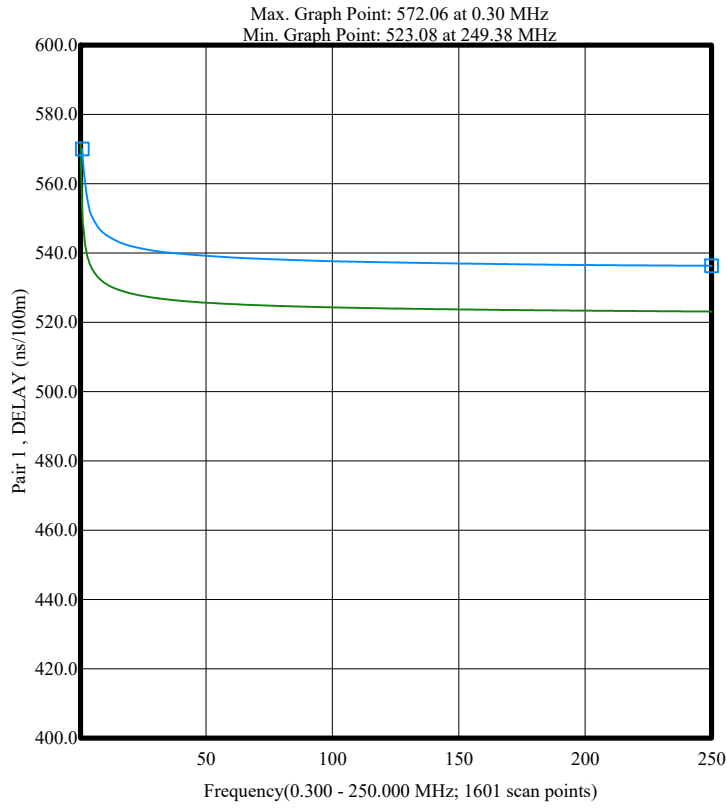
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Summary and Graphic: Propagation Delay (DELAY)

Pair	Spec (Max)(ns/100m)	Measured(ns/100m)	Margin (ns/100m)	@ Frequency (MHz)	Test Result
Pair 1 [13]	536.49	523.34	13.15	201.15	Passed
Pair 2 [14]	536.49	490.26	46.23	201.15	Passed
Pair 3 [15]	536.51	526.21	10.30	198.19	Passed
Pair 4 [16]	536.50	503.03	33.47	199.44	Passed



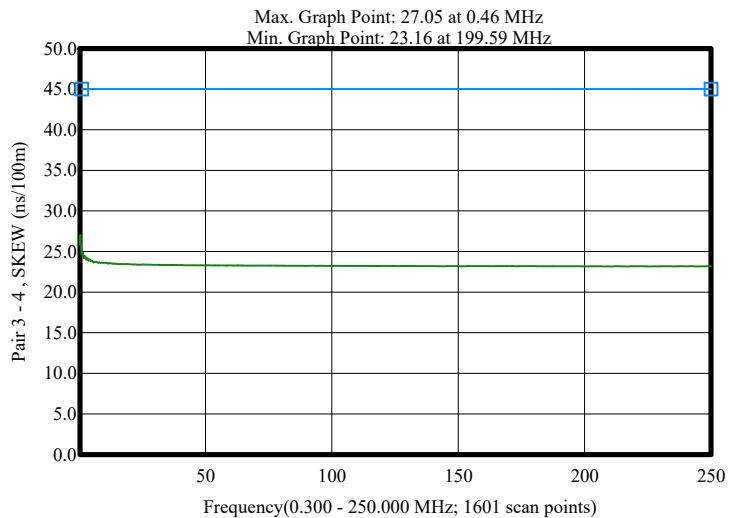
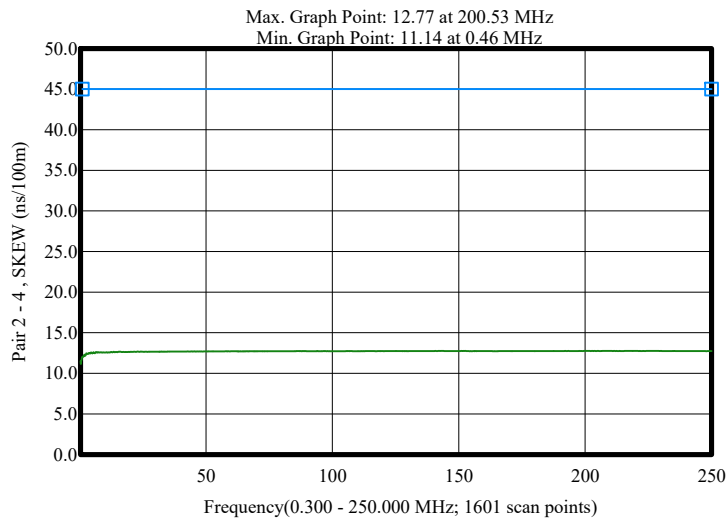
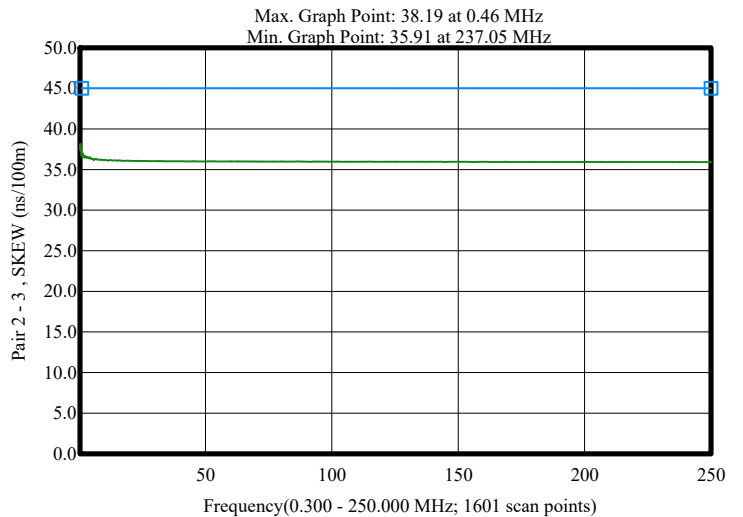
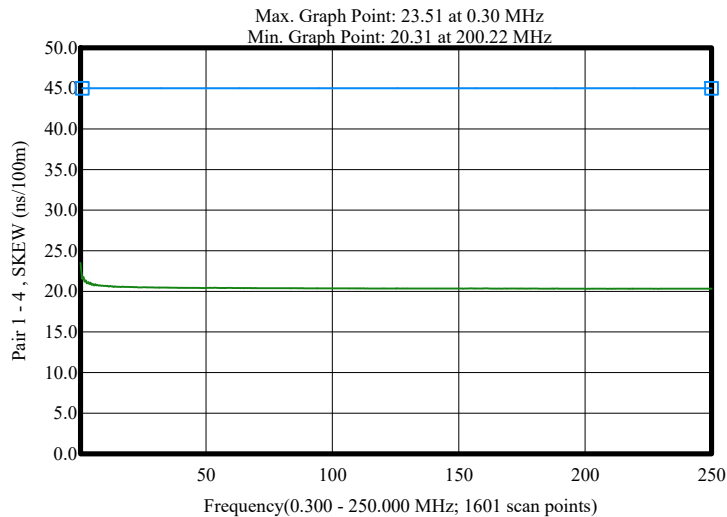
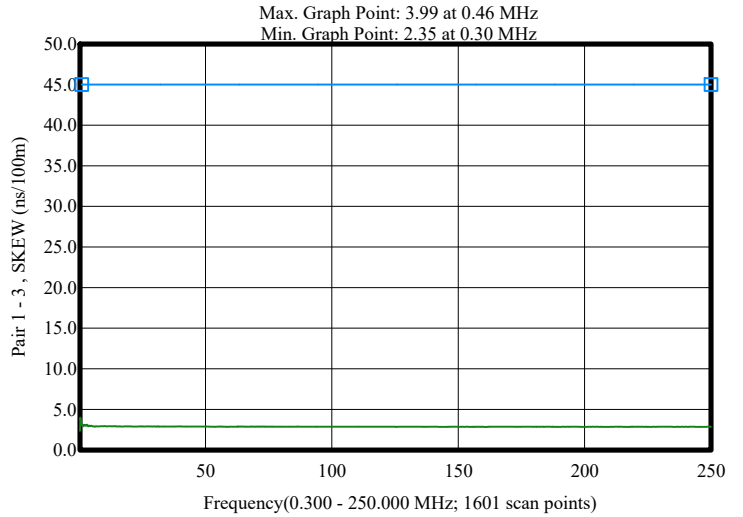
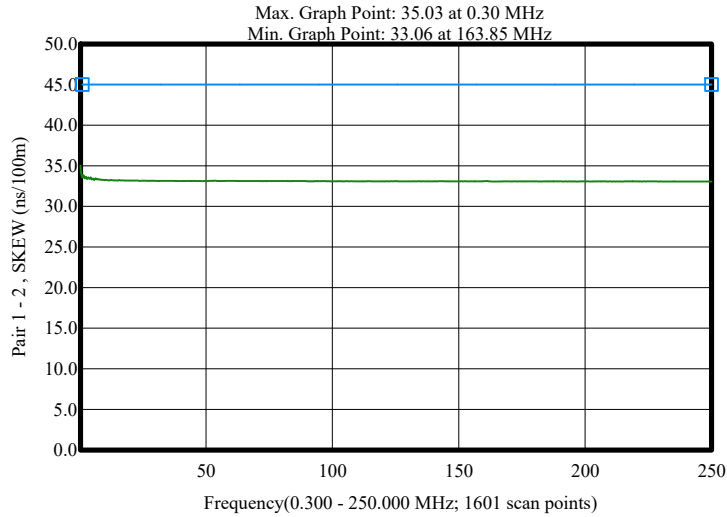
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Summary and Graphic: Propagation Delay Skew (SKEW)

Pair	Spec (Max)(ns/100m)	Measured(ns/100m)	Margin (ns/100m)	@ Frequency (MHz)	Test Result
Pair 1 - 2	45.00	33.85	11.15	1.39	Passed
Pair 1 - 3	45.00	3.14	41.86	1.39	Passed
Pair 1 - 4	45.00	21.77	23.23	1.55	Passed
Pair 2 - 3	45.00	36.99	8.01	1.39	Passed
Pair 2 - 4	45.00	12.77	32.23	200.53	Passed
Pair 3 - 4	45.00	24.90	20.10	1.39	Passed



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