

**DCM Test Report**

Cable Type : 4x2x23 x ALL	Factory Number : 2021041407	Data File Name : DA122463.D3S
Cable I.D. : CAT6 LAN CABLE	Order Number : J34210524B001-100M	Specification File : SK-4CT6-396(B).S3S
Temperature : 25.00 癈	Relative Humidity : 50 %	Test Date/Time : 05/24/2021 11:53:18 PM
Length : 100.00 m	Number of Pairs to Test : 4	Operator : HBB
Starting Position : 1		Analyzer Type : ENA

**Pass - Fail Test Certificate - 4 Pairs**

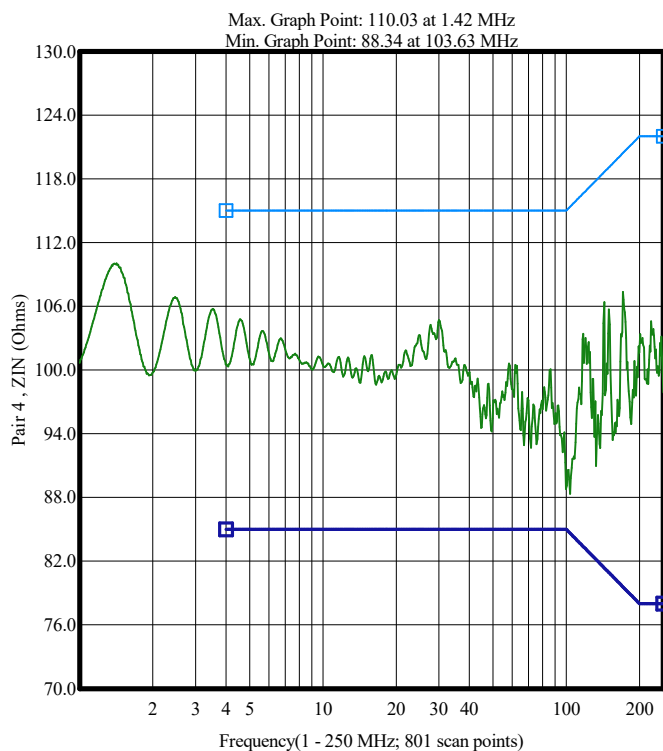
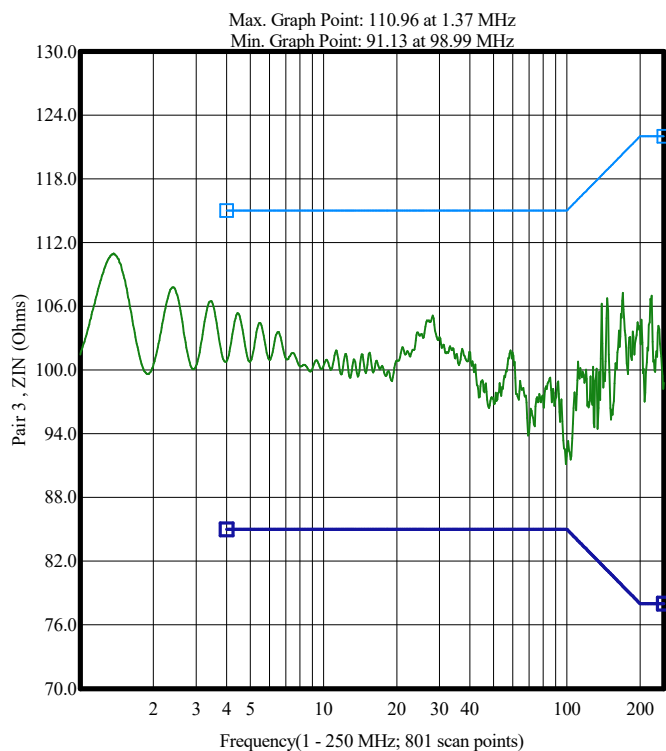
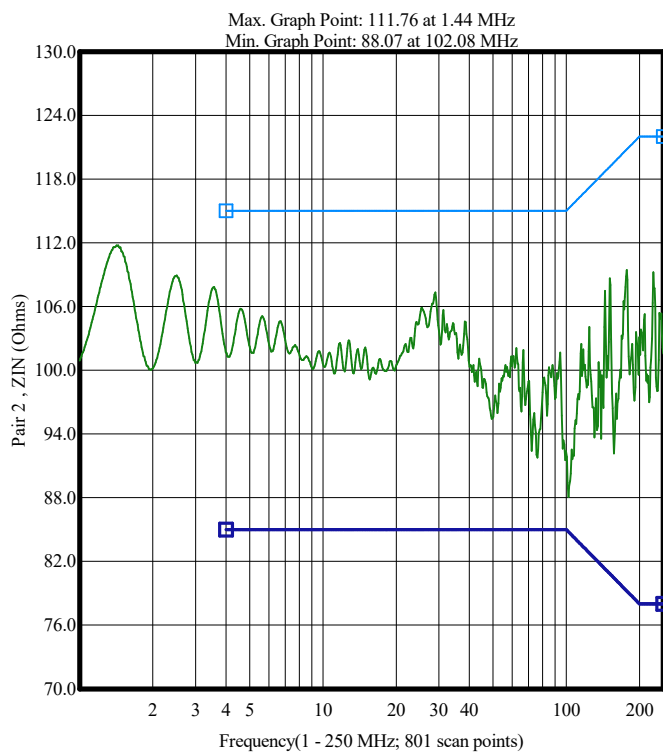
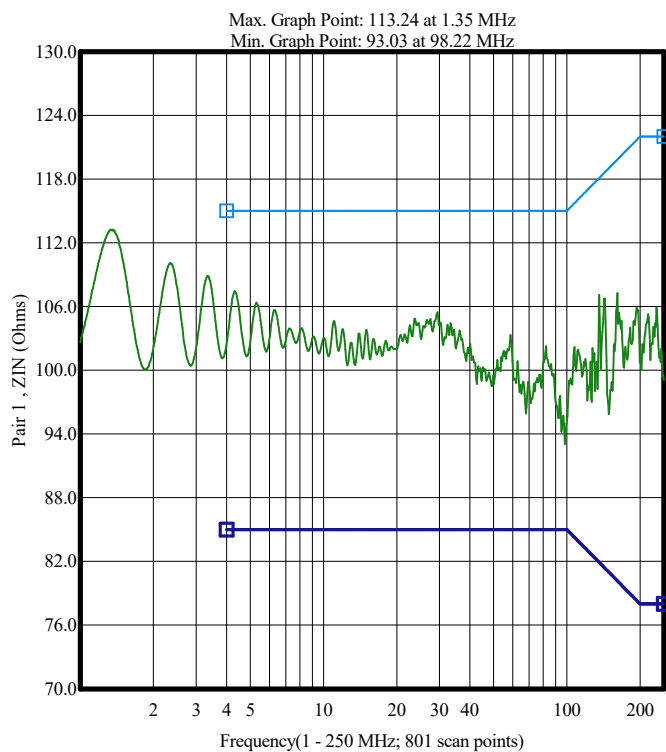
**High Frequency**

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

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	93.03	107.43	8.03	7.57	98.22	4.32	Passed
Pair 2 [2]	84.79	115.00	88.07	107.32	3.28	7.68	102.08	28.95	Passed
Pair 3 [3]	85.00	115.00	91.13	105.37	6.13	9.63	98.99	4.44	Passed
Pair 4 [4]	84.64	115.00	88.34	104.76	3.70	10.24	103.63	4.59	Passed



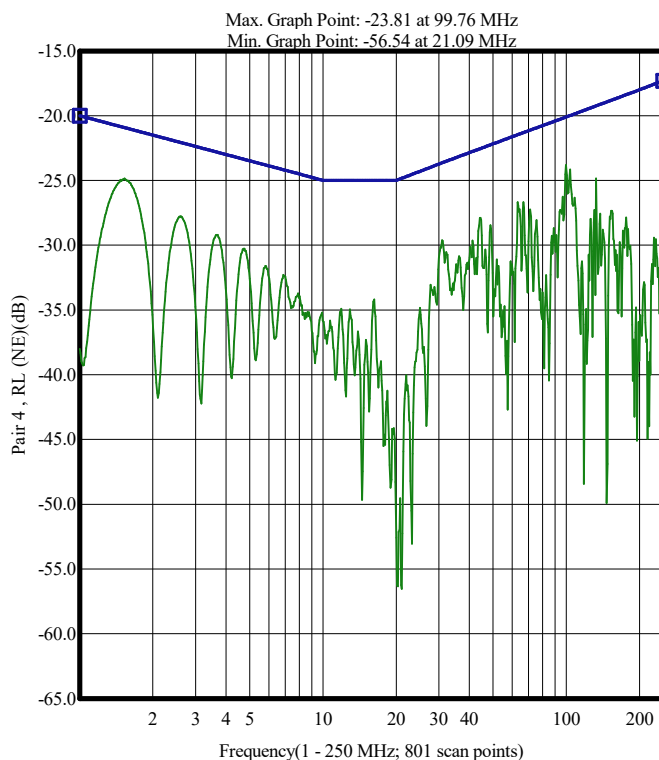
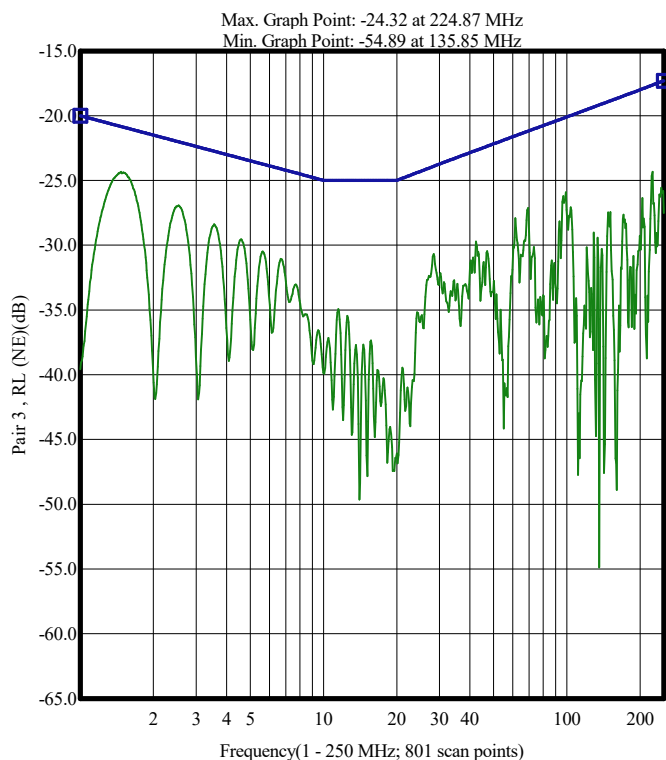
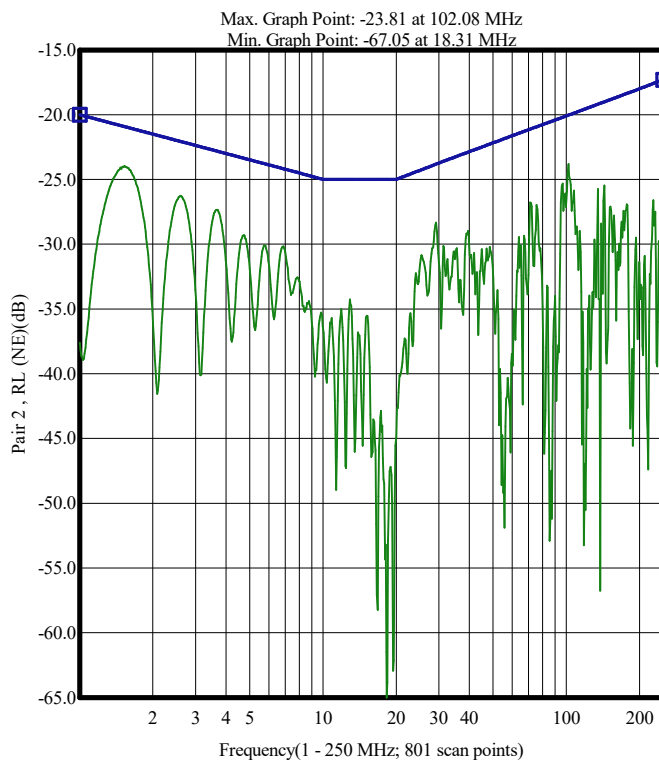
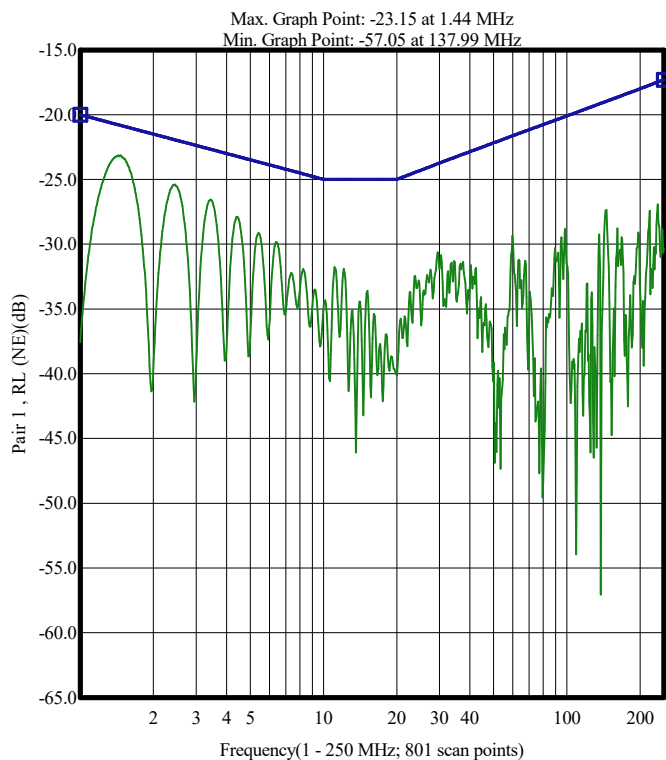
N/A = Not Applicable.  
--- = Disable/Bypassed Pair.

\* = 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]	20.84	23.15	2.31	1.47	Passed
Pair 2 [2]	20.92	23.97	3.05	1.53	Passed
Pair 3 [3]	20.84	24.33	3.49	1.47	Passed
Pair 4 [4]	20.11	23.81	3.70	99.76	Passed



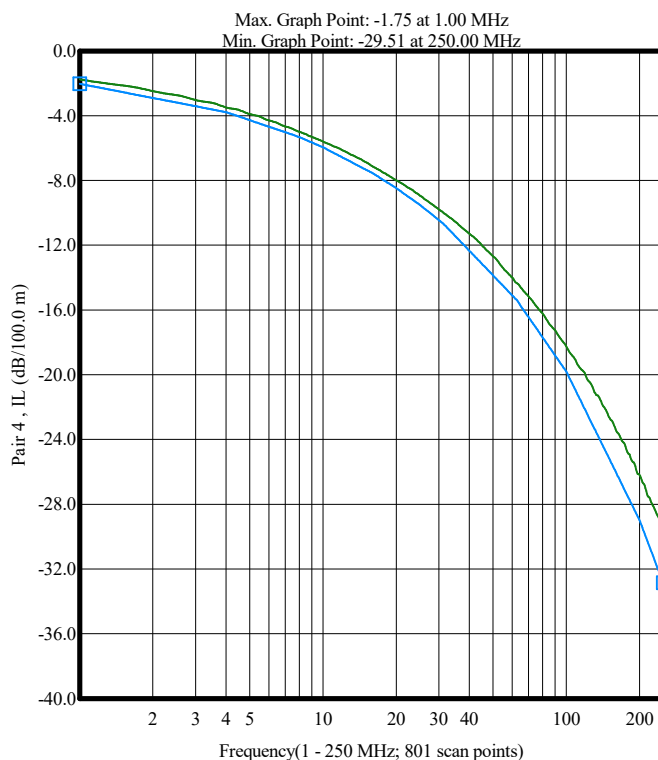
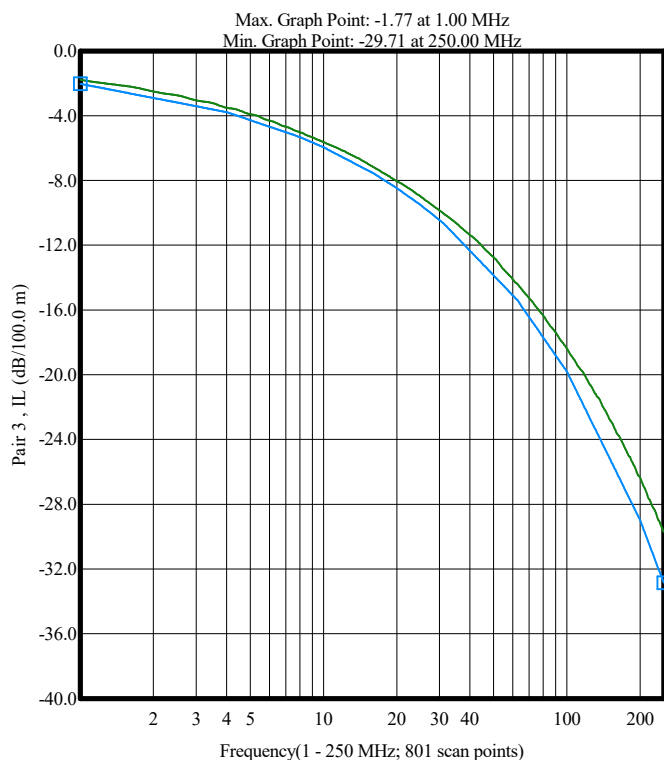
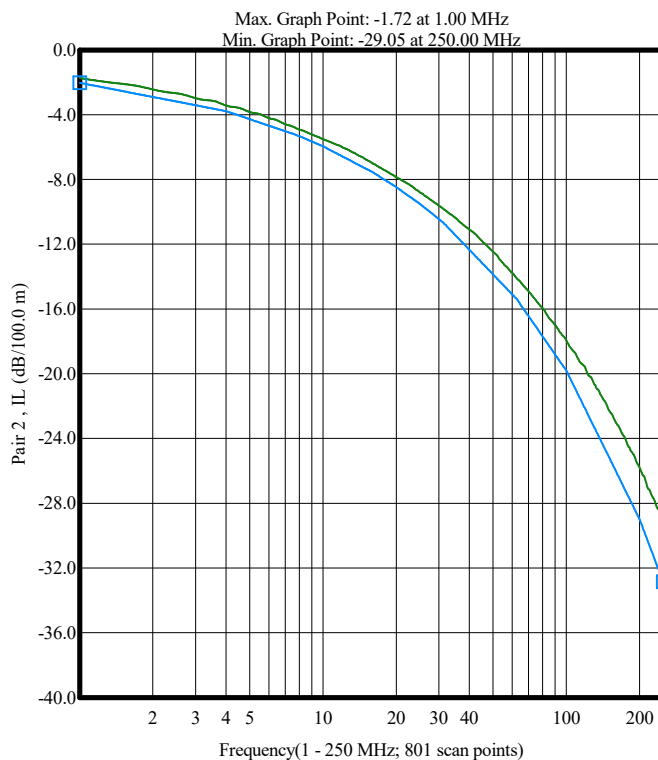
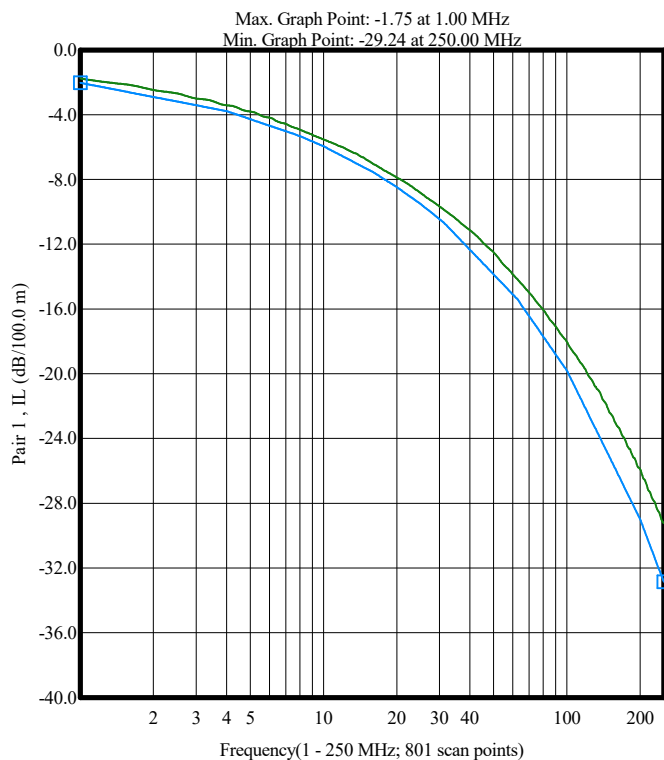
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### Summary and Graphic: Insertion Loss (IL)(Curve Fit)@20C

Pair	Spec (Max)(dB/100.0 m)	Measured(dB/100.0 m)	Margin (dB/100.0 m)	@ Frequency (MHz)	Test Result
Pair 1 [1]	2.10	1.82	0.28	1.06	Passed
Pair 2 [2]	2.04	1.74	0.30	1.01	Passed
Pair 3 [3]	2.04	1.79	0.25	1.01	Passed
Pair 4 [4]	2.04	1.77	0.27	1.01	Passed



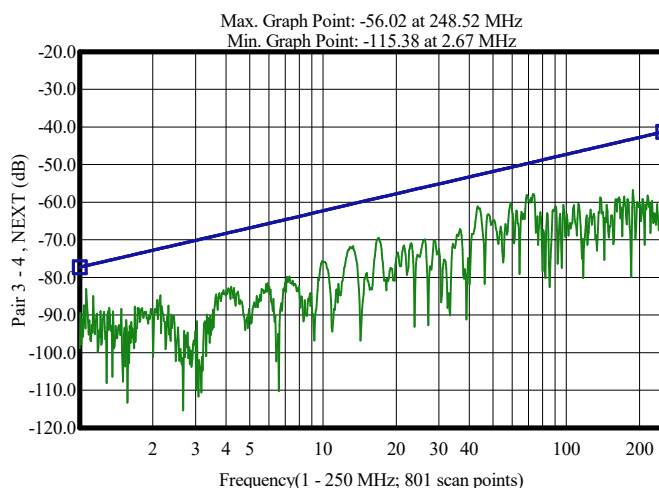
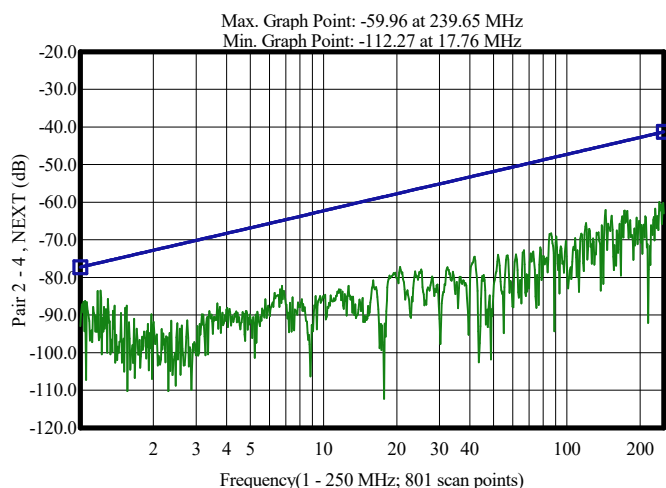
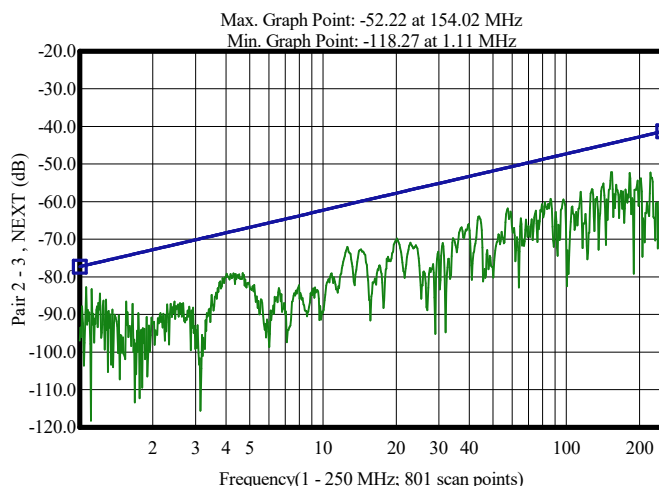
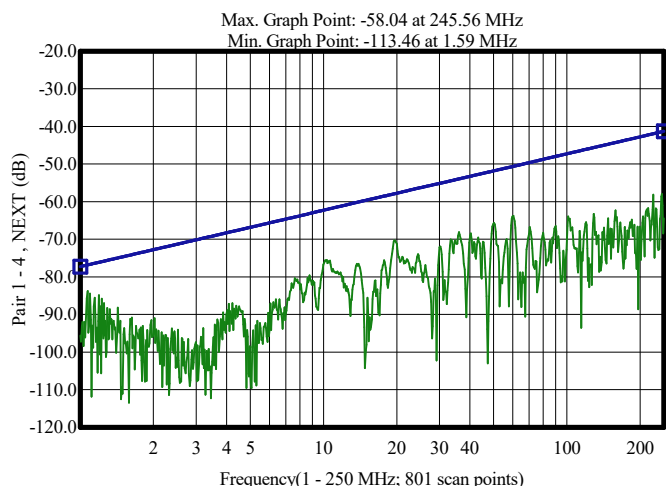
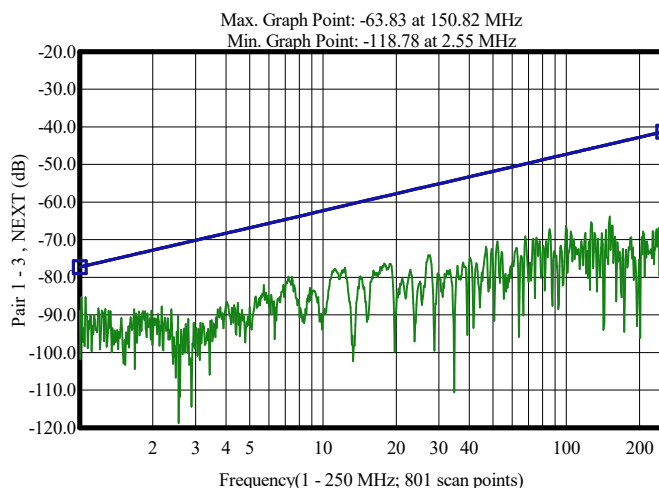
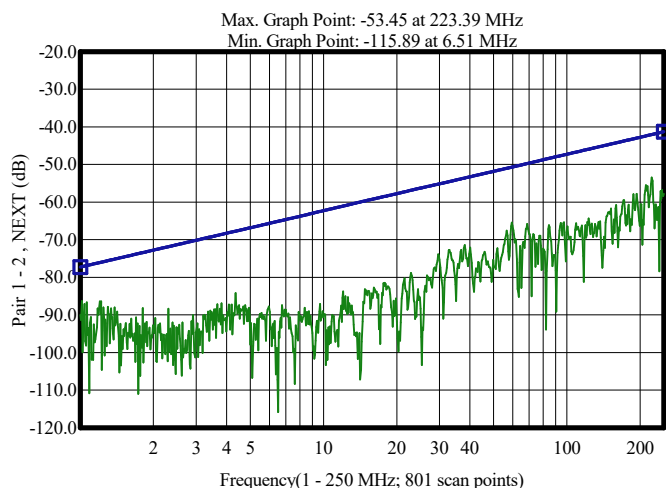
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### Summary and Graphic: Near End Crosstalk Loss (NEXT)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 - 2	77.20	86.34	9.14	1.02	Passed
Pair 1 - 3	77.20	85.32	8.12	1.02	Passed
Pair 1 - 4	76.84	83.78	6.94	1.07	Passed
Pair 2 - 3	76.89	82.75	5.86	1.06	Passed
Pair 2 - 4	76.23	83.64	7.41	1.18	Passed
Pair 3 - 4	76.89	83.12	6.23	1.06	Passed



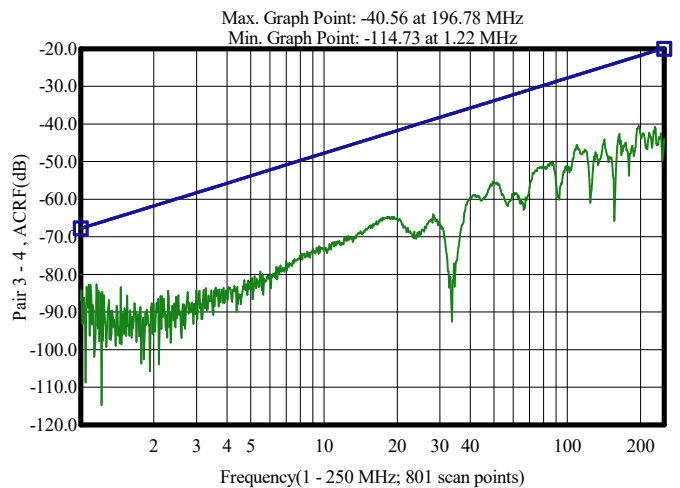
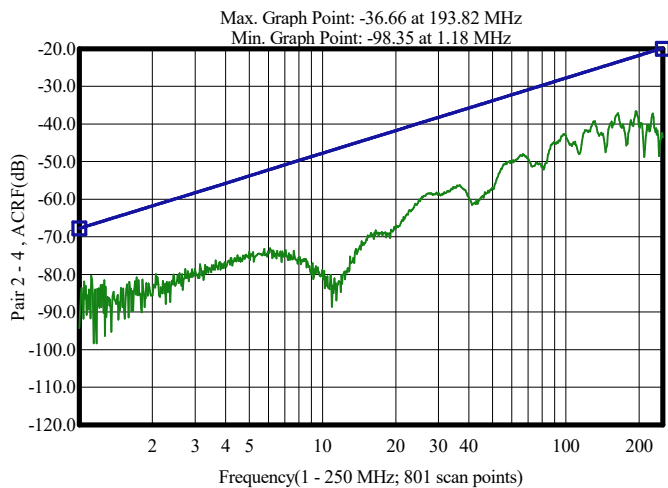
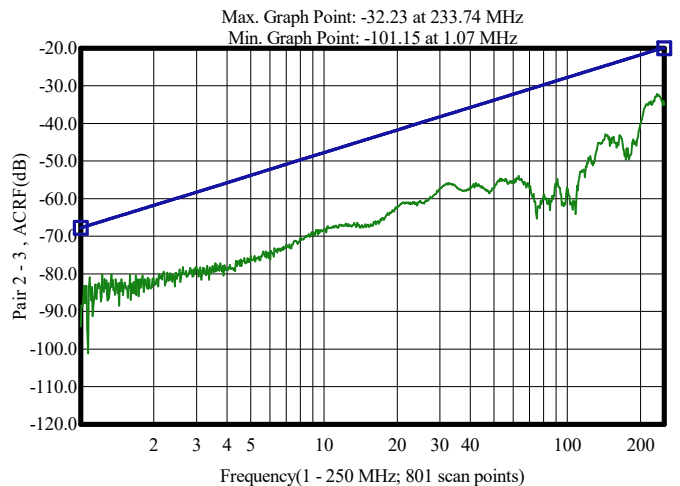
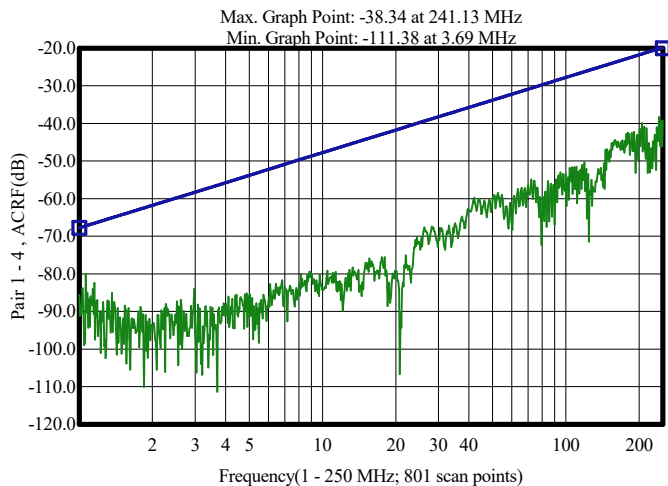
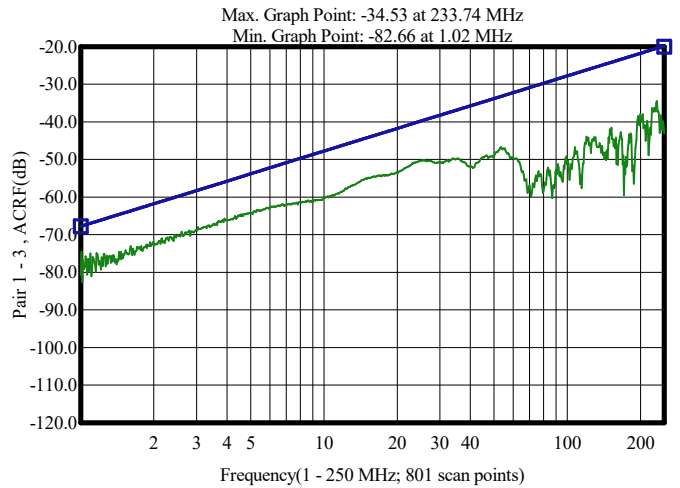
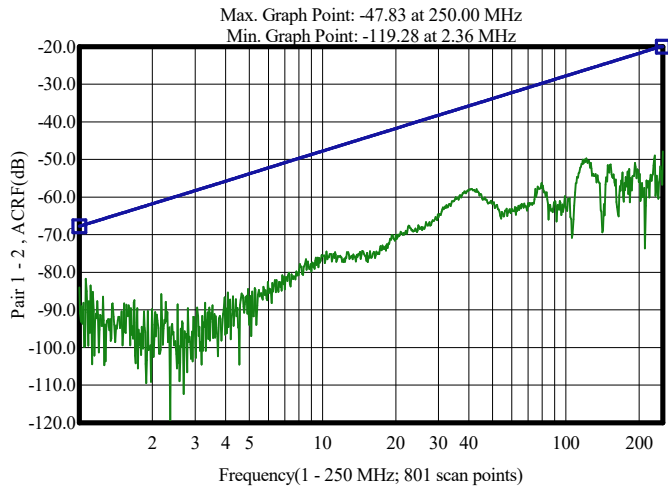
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### Summary and Graphic: ACR to FEXT Ratio (ACRF)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 - 2	67.25	81.76	14.51	1.06	Passed
Pair 1 - 3	67.73	74.62	6.89	1.01	Passed
Pair 1 - 4	67.25	80.00	12.75	1.06	Passed
Pair 2 - 3	20.40	32.23	11.83	233.74	Passed
Pair 2 - 4	66.80	80.39	13.59	1.12	Passed
Pair 3 - 4	67.12	82.74	15.62	1.08	Passed



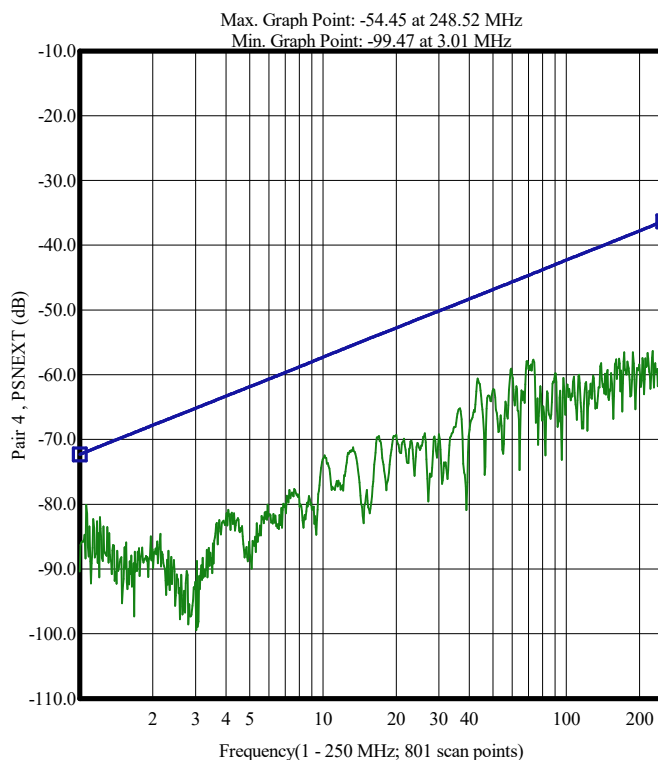
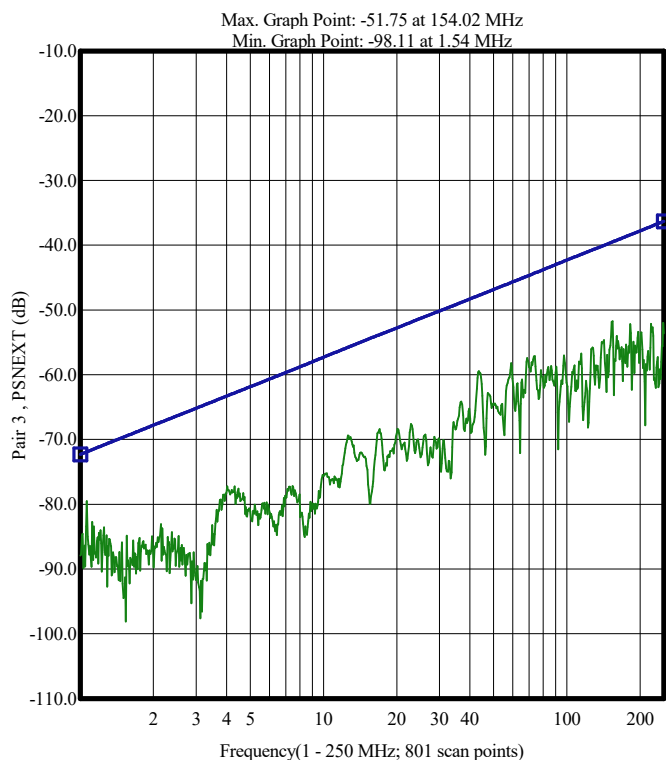
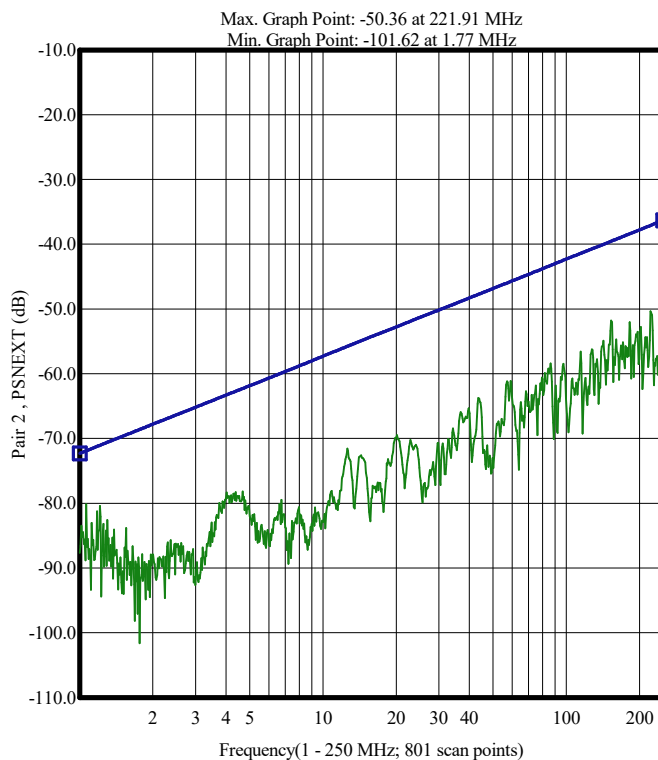
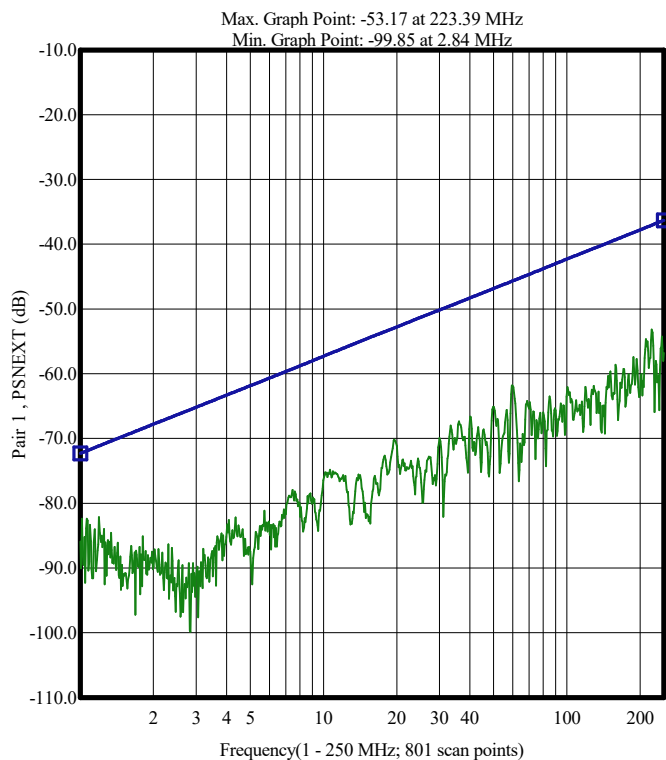
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### Summary and Graphic: Power Sum NEXT(PSNEXT)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 [1]	72.20	82.40	10.20	1.02	Passed
Pair 2 [2]	71.89	80.16	8.27	1.06	Passed
Pair 3 [3]	71.89	79.52	7.63	1.06	Passed
Pair 4 [4]	71.89	80.12	8.23	1.06	Passed



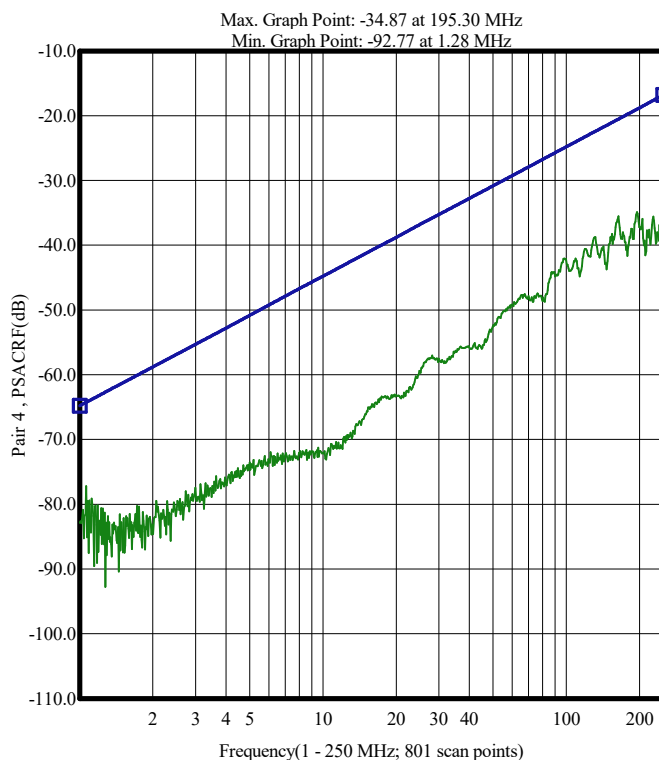
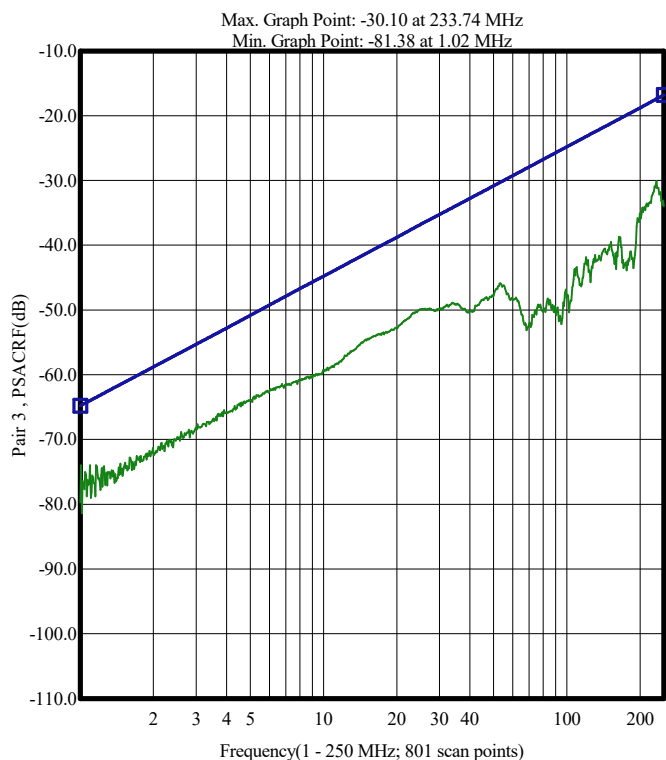
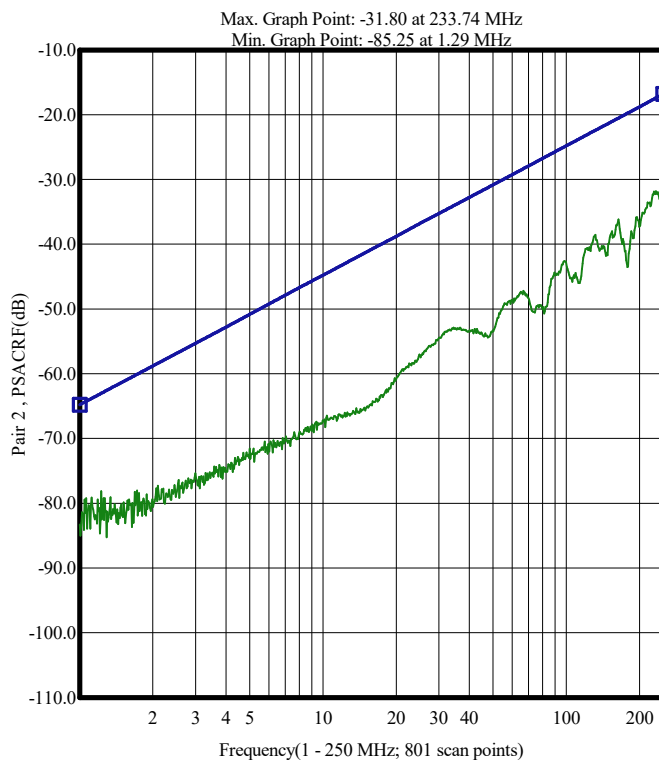
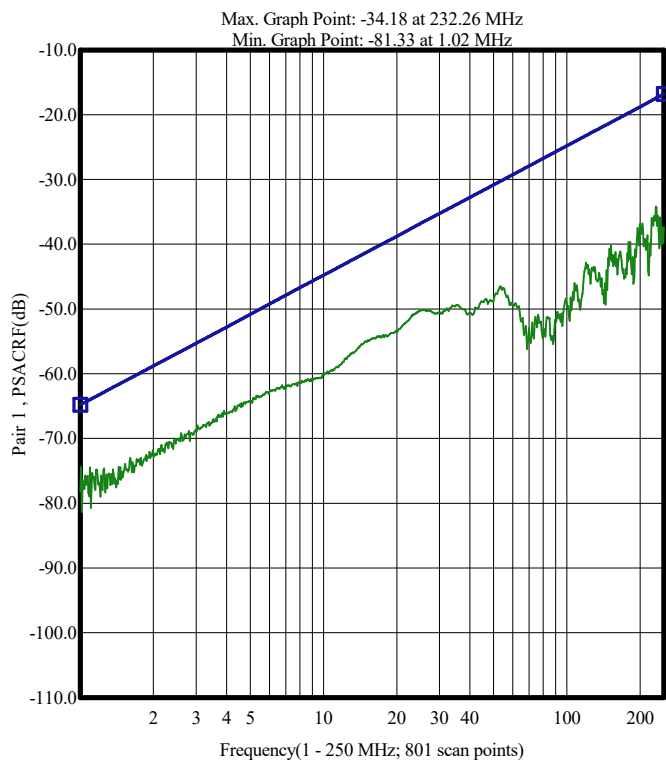
N/A = Not Applicable.  
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### Summary and Graphic: Power Sum ACRF (PSACRF)

Pair	Spec (Min)(dB)	Measured(dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 [1]	64.73	74.43	9.70	1.01	Passed
Pair 2 [2]	17.57	31.87	14.30	229.30	Passed
Pair 3 [3]	64.73	74.01	9.28	1.01	Passed
Pair 4 [4]	64.25	77.21	12.96	1.06	Passed



N/A = Not Applicable.  
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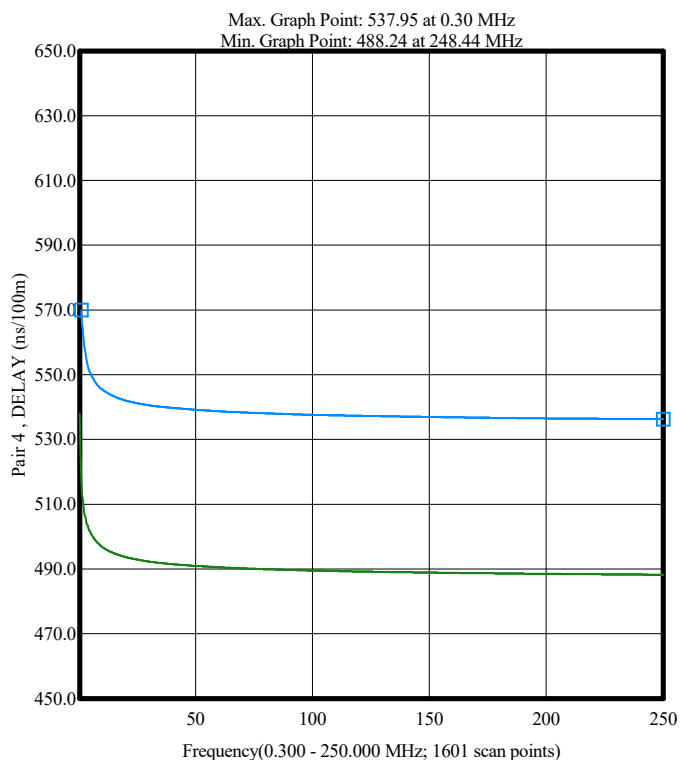
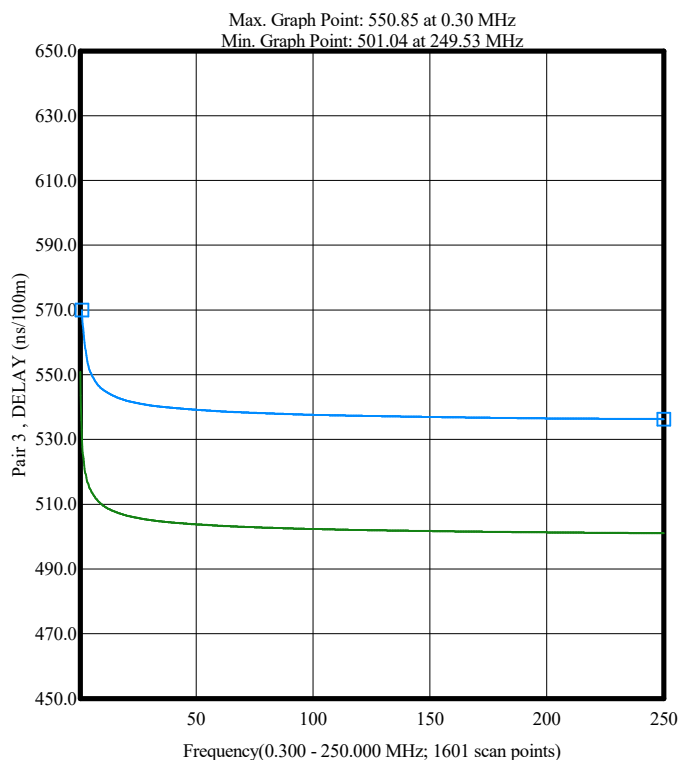
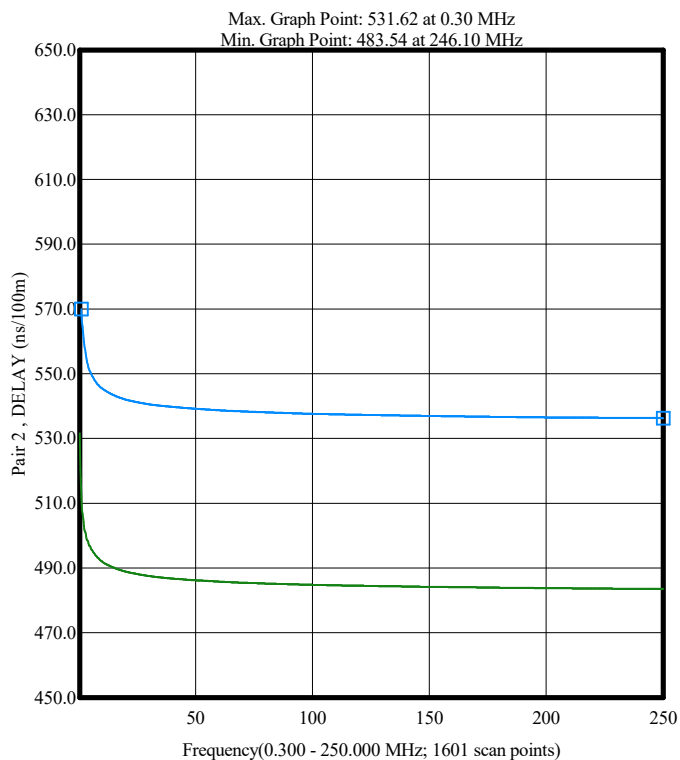
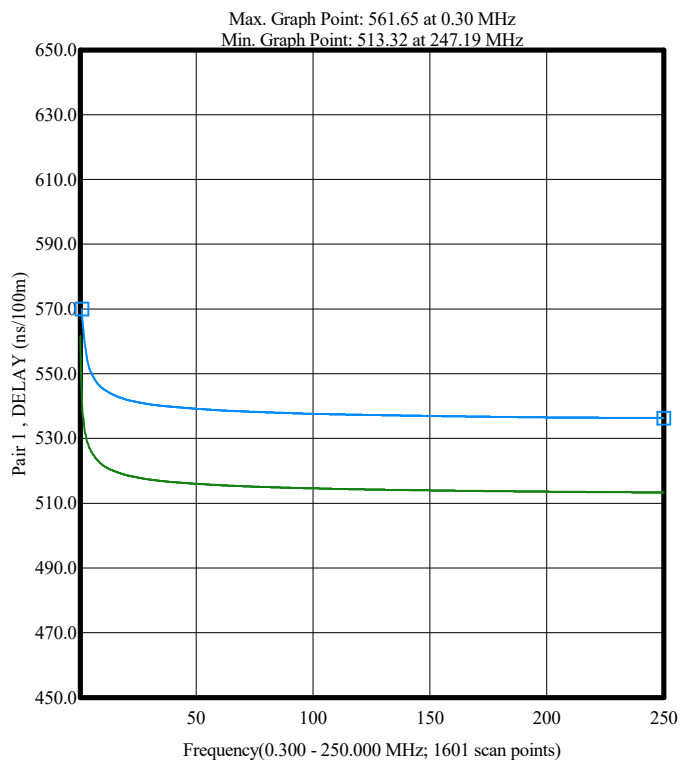
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### Summary and Graphic: Propagation Delay (DELAY)

Pair	Spec (Max)(ns/100m)	Measured(ns/100m)	Margin (ns/100m)	@ Frequency (MHz)	Test Result
Pair 1 [1]	536.48	513.56	22.92	203.49	Passed
Pair 2 [2]	536.48	483.78	52.70	203.49	Passed
Pair 3 [3]	536.51	501.32	35.19	198.19	Passed
Pair 4 [4]	536.48	488.49	47.99	203.49	Passed



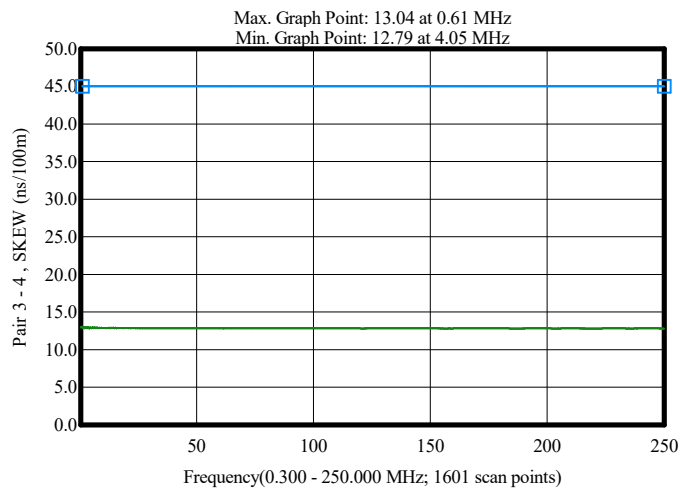
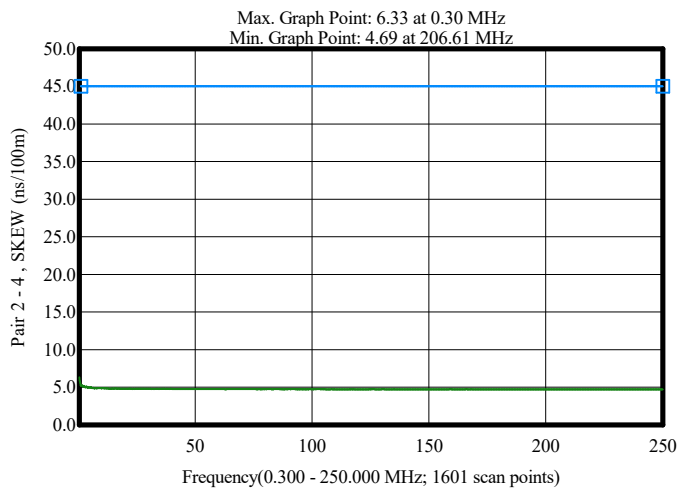
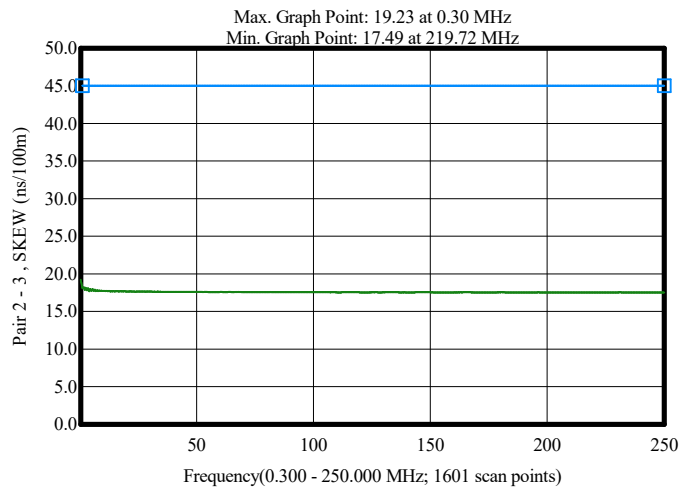
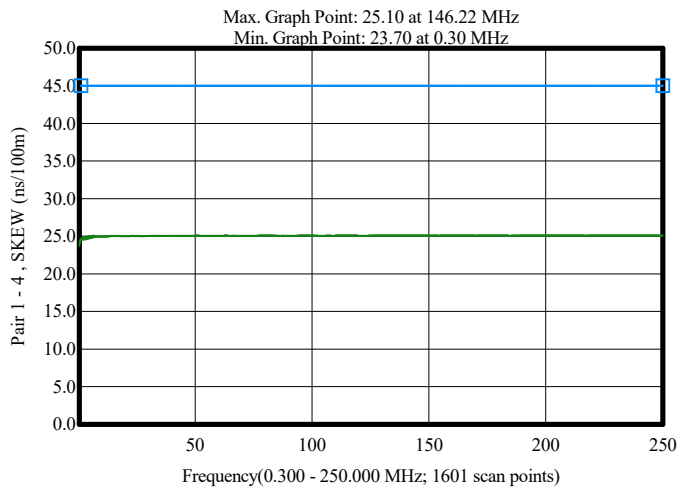
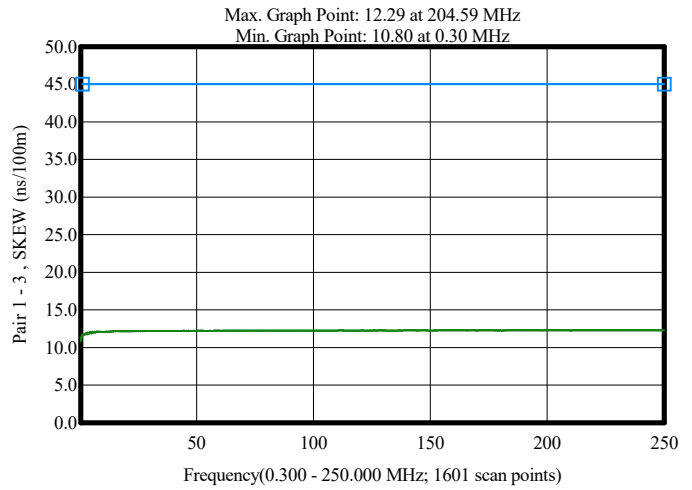
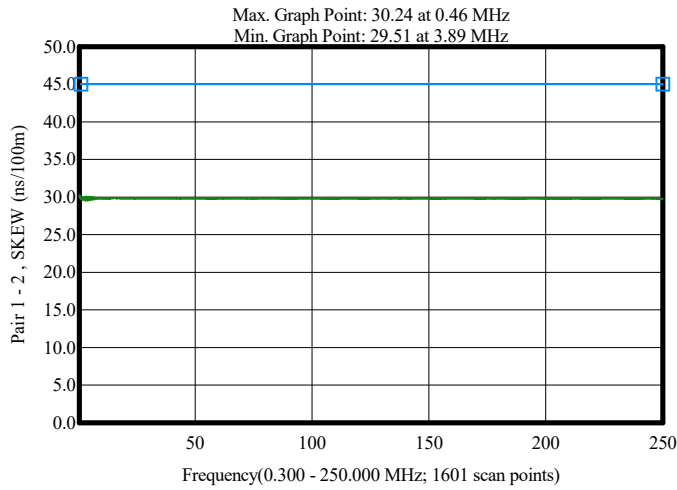
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### Summary and Graphic: Propagation Delay Skew (SKEW)

Pair	Spec (Max)(ns/100m)	Measured(ns/100m)	Margin (ns/100m)	@ Frequency (MHz)	Test Result
Pair 1 - 2	45.00	30.05	14.95	3.42	Passed
Pair 1 - 3	45.00	12.29	32.71	204.59	Passed
Pair 1 - 4	45.00	25.10	19.90	146.22	Passed
Pair 2 - 3	45.00	18.21	26.79	1.55	Passed
Pair 2 - 4	45.00	5.27	39.73	1.55	Passed
Pair 3 - 4	45.00	13.01	31.99	1.70	Passed



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