

	total	5210	-0.13	≤15.41	PASS
11AX20MIMO	Ant1	5180	2.88	≤17.00	PASS
	Ant2	5180	2.13	≤17.00	PASS
	total	5180	5.53	≤15.41	PASS
	Ant1	5200	1.69	≤17.00	PASS
	Ant2	5200	1.03	≤17.00	PASS
	total	5200	4.38	≤15.41	PASS
	Ant1	5240	0.63	≤17.00	PASS
	Ant2	5240	2.65	≤17.00	PASS
	total	5240	4.77	≤15.41	PASS
11AX40MIMO	Ant1	5190	-0.61	≤17.00	PASS
	Ant2	5190	-1.15	≤17.00	PASS
	total	5190	2.14	≤15.41	PASS
	Ant1	5230	-3.38	≤17.00	PASS
	Ant2	5230	-2.62	≤17.00	PASS
	total	5230	0.03	≤15.41	PASS
11AX80MIMO	Ant1	5210	-4.72	≤17.00	PASS
	Ant2	5210	-3.77	≤17.00	PASS
	total	5210	-1.21	≤15.41	PASS

Note: 1.The Duty Cycle Factor is compensated in the graph.

2.As Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ dBi=7.59>6dBi,

so limit=17-(7.59-6.00)=15.41dBm.

3.NOTE: MIMO= $10 * \log((10^{ANT1/10}) + 10^{(ANT2/10)})$

Test Result B4

TestMode	Antenna	Frequency[MHz]	Result [dBm/500KHz]	Limit[dBm/500KHz]	Verdict
11A-CDD	Ant1	5745	0.08	≤30.00	PASS
	Ant2	5745	0.19	≤30.00	PASS
	Ant1	5785	-0.23	≤30.00	PASS
	Ant2	5785	-0.19	≤30.00	PASS
	Ant1	5825	-0.68	≤30.00	PASS
	Ant2	5825	-0.58	≤30.00	PASS
11N20MIMO	Ant1	5745	-2.6	≤30.00	PASS
	Ant2	5745	-1.73	≤30.00	PASS
	total	5745	3.01	≤28.24	PASS
	Ant1	5785	-0.89	≤30.00	PASS
	Ant2	5785	-0.62	≤30.00	PASS
	total	5785	3.01	≤28.24	PASS
	Ant1	5825	-2.22	≤30.00	PASS

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	Ant2	5825	-1.48	≤30.00	PASS
	total	5825	3.01	≤28.24	PASS
11N40MIMO	Ant1	5755	-4.87	≤30.00	PASS
	Ant2	5755	-3.25	≤30.00	PASS
	total	5755	3.01	≤28.24	PASS
	Ant1	5795	-5.75	≤30.00	PASS
	Ant2	5795	-6.16	≤30.00	PASS
	total	5795	3.01	≤28.24	PASS
11AC20MIMO	Ant1	5745	-1.42	≤30.00	PASS
	Ant2	5745	-2.28	≤30.00	PASS
	total	5745	3.01	≤28.24	PASS
	Ant1	5785	-0.35	≤30.00	PASS
	Ant2	5785	-1.39	≤30.00	PASS
	total	5785	3.01	≤28.24	PASS
	Ant1	5825	-1.67	≤30.00	PASS
	Ant2	5825	-0.99	≤30.00	PASS
	total	5825	3.01	≤28.24	PASS
11AC40MIMO	Ant1	5755	-4.72	≤30.00	PASS
	Ant2	5755	-5.03	≤30.00	PASS
	total	5755	3.01	≤28.24	PASS
	Ant1	5795	-5.66	≤30.00	PASS
	Ant2	5795	-1.52	≤30.00	PASS
	total	5795	3.01	≤28.24	PASS
11AC80MIMO	Ant1	5775	-8.74	≤30.00	PASS
	Ant2	5775	-4.91	≤30.00	PASS
	total	5775	3.01	≤28.24	PASS
11AX20MIMO	Ant1	5745	-0.85	≤30.00	PASS
	Ant2	5745	-0.17	≤30.00	PASS
	total	5745	3.01	≤28.24	PASS
	Ant1	5785	-2.33	≤30.00	PASS
	Ant2	5785	-2.23	≤30.00	PASS
	total	5785	3.01	≤28.24	PASS
	Ant1	5825	-1.32	≤30.00	PASS
	Ant2	5825	-1.02	≤30.00	PASS
	total	5825	3.01	≤28.24	PASS
11AX40MIMO	Ant1	5755	-3.64	≤30.00	PASS
	Ant2	5755	-3.34	≤30.00	PASS
	total	5755	3.01	≤28.24	PASS
	Ant1	5795	-3.77	≤30.00	PASS
	Ant2	5795	-4.86	≤30.00	PASS
	total	5795	3.01	≤28.24	PASS
11AX80MIMO	Ant1	5775	-6.48	≤30.00	PASS
	Ant2	5775	-6.84	≤30.00	PASS

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	total	5775	3.01	≤28.24	PASS
--	-------	------	------	--------	------

Note: 1.The Duty Cycle Factor is compensated in the graph.

2.As Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{\text{ANT}}]$ dBi=7.76>6dBi,
so limit=30-(7.76-6.00)=28.24dBm.

3.NOTE: MIMO= $10 \cdot \log((10^{\text{ANT1}/10} + 10^{\text{ANT2}/10}))$



Test Graphs B1



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11A-CDD_Ant2_5200



11A-CDD_Ant1_5240



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11A-CDD_Ant2_5240



11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180

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11N20MIMO_Ant1_5200



11N20MIMO_Ant2_5200



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11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240



11N40MIMO_Ant1_5190

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11N40MIMO_Ant2_5190



11N40MIMO_Ant1_5230



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11N40MIMO_Ant2_5230



11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180

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11AC20MIMO_Ant1_5200



11AC20MIMO_Ant2_5200



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11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240



11AC40MIMO_Ant1_5190

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11AC40MIMO_Ant2_5230



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210

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11AX20MIMO_Ant1_5180



11AX20MIMO_Ant2_5180



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11AX20MIMO_Ant1_5200



11AX20MIMO_Ant2_5200



11AX20MIMO_Ant1_5240

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11AX20MIMO_Ant2_5240



11AX40MIMO_Ant1_5190



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11AX40MIMO_Ant2_5190



11AX40MIMO_Ant1_5230



11AX40MIMO_Ant2_5230

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11AX80MIMO_Ant1_5210



11AX80MIMO_Ant2_5210



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Test Graphs B4



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11A-CDD_Ant2_5785



11A-CDD_Ant1_5825



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11A-CDD_Ant2_5825



11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745

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11N20MIMO_Ant1_5785



11N20MIMO_Ant2_5785



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11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5755

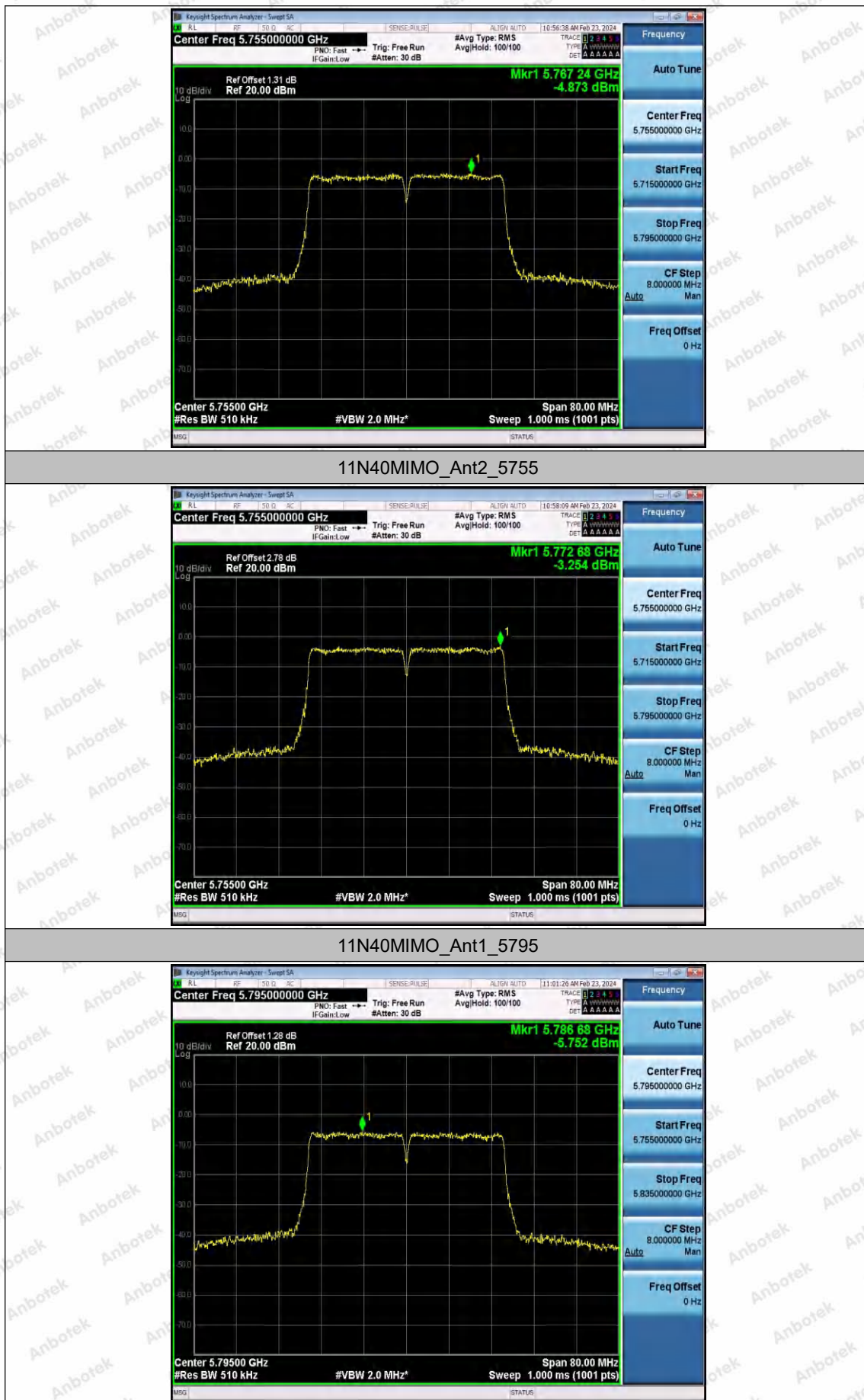
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11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745

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11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



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11AC20MIMO_Ant1_5825



11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5755

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11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

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11AX20MIMO_Ant1_5745



11AX20MIMO_Ant2_5745



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11AX20MIMO_Ant1_5785



11AX20MIMO_Ant2_5785



11AX20MIMO_Ant1_5825

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11AX20MIMO_Ant2_5825



11AX40MIMO_Ant1_5755



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11AX40MIMO_Ant2_5755



11AX40MIMO_Ant1_5795



11AX40MIMO_Ant2_5795

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11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



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Appendix E: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A-CDD	Ant1	Low	5180	-36.25	≤-27	PASS
	Ant2	Low	5180	-32.28	≤-27	PASS
	Ant1	High	5240	-47.35	≤-27	PASS
	Ant2	High	5240	-47.05	≤-27	PASS
11N20MIMO	Ant1	Low	5180	-30.53	≤-27	PASS
	Ant2	Low	5180	-33.65	≤-27	PASS
	Ant1	High	5240	-47.26	≤-27	PASS
	Ant2	High	5240	-47.1	≤-27	PASS
11N40MIMO	Ant1	Low	5190	-30.46	≤-27	PASS
	Ant2	Low	5190	-33.71	≤-27	PASS
	Ant1	High	5230	-47.93	≤-27	PASS
	Ant2	High	5230	-47.67	≤-27	PASS
11AC20MIMO	Ant1	Low	5180	-37.68	≤-27	PASS
	Ant2	Low	5180	-34.97	≤-27	PASS
	Ant1	High	5240	-47.9	≤-27	PASS
	Ant2	High	5240	-46.99	≤-27	PASS
11AC40MIMO	Ant1	Low	5190	-33.61	≤-27	PASS
	Ant2	Low	5190	-34.28	≤-27	PASS
	Ant1	High	5230	-47.95	≤-27	PASS
	Ant2	High	5230	-47.89	≤-27	PASS
11AC80MIMO	Ant1	Low	5210	-33.07	≤-27	PASS
	Ant2	Low	5210	-32.22	≤-27	PASS
	Ant1	High	5210	-32.6	≤-27	PASS
	Ant2	High	5210	-27.5	≤-27	PASS
11AX20MIMO	Ant1	Low	5180	-30.03	≤-27	PASS
	Ant2	Low	5180	-32.26	≤-27	PASS
	Ant1	High	5240	-47.97	≤-27	PASS
	Ant2	High	5240	-48.07	≤-27	PASS
11AX40MIMO	Ant1	Low	5190	-34.49	≤-27	PASS
	Ant2	Low	5190	-30.52	≤-27	PASS
	Ant1	High	5230	-43.94	≤-27	PASS
	Ant2	High	5230	-45.99	≤-27	PASS
11AX80MIMO	Ant1	Low	5210	-31.67	≤-27	PASS
	Ant2	Low	5210	-34.45	≤-27	PASS
	Ant1	High	5210	-28.1	≤-27	PASS
	Ant2	High	5210	-30.51	≤-27	PASS

Note: The margins is at least greater than the antenna gain plus cable loss value.

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Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A-CDD	Ant1	Low	5745	5650~5700	-39.76	≤9.89	PASS
				5700~5720	-28.47	≤15.47	PASS
				5720~5725	-21.03	≤26.04	PASS
				5760~5650	-47.32	≤-27	PASS
	Ant2	Low	5745	5650~5700	-38.71	≤7.85	PASS
				5700~5720	-28.17	≤14.69	PASS
				5720~5725	-17.13	≤23.42	PASS
				5760~5650	-47.8	≤-27	PASS
	Ant1	High	5825	5850~5855	-27.97	≤16.10	PASS
				5855~5875	-30.09	≤10.74	PASS
				5875~5925	-39.81	≤-23.46	PASS
				5925~5935	-47.54	≤-27	PASS
	Ant2	High	5825	5850~5855	-27.65	≤25.34	PASS
				5855~5875	-30.21	≤10.44	PASS
				5875~5925	-37.9	≤-26.76	PASS
				5925~5935	-47.75	≤-27	PASS
11N20MI MO	Ant1	Low	5745	5650~5700	-38.17	≤9.72	PASS
				5700~5720	-27.67	≤15.59	PASS
				5720~5725	-22.78	≤26.57	PASS
				5760~5650	-47.87	≤-27	PASS
	Ant2	Low	5745	5650~5700	-39.17	≤8.70	PASS
				5700~5720	-28.11	≤13.21	PASS
				5720~5725	-23.26	≤22.37	PASS
				5760~5650	-46.3	≤-27	PASS
	Ant1	High	5825	5850~5855	-27.04	≤22.26	PASS
				5855~5875	-30.69	≤10.55	PASS
				5875~5925	-40.38	≤-25.96	PASS
				5925~5935	-48.22	≤-27	PASS
	Ant2	High	5825	5850~5855	-27.59	≤15.79	PASS
				5855~5875	-28.03	≤10.14	PASS
				5875~5925	-40.57	≤-26.36	PASS
				5925~5935	-48.1	≤-27	PASS
11N40MI MO	Ant1	Low	5755	5650~5700	-33.08	≤9.36	PASS
				5700~5720	-20.53	≤15.58	PASS
				5720~5725	-19.71	≤21.58	PASS
				5780~5650	-46.64	≤-27	PASS
	Ant2	Low	5755	5650~5700	-32.41	≤9.26	PASS
				5700~5720	-19.23	≤15.58	PASS
				5720~5725	-19.08	≤17.58	PASS

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11AC20M IMO	Ant1	High	5795	5780~5650	-46.05	≤ -27	PASS
				5850~5855	-30.06	≤ 17.54	PASS
				5855~5875	-29.66	≤ 10.18	PASS
				5875~5925	-35.85	≤ -24.36	PASS
				5925~5935	-47.58	≤ -27	PASS
	Ant2	High	5795	5850~5855	-30.34	≤ 16.03	PASS
				5855~5875	-32.07	≤ 10.27	PASS
				5875~5925	-35.03	≤ -16.79	PASS
				5925~5935	-46.7	≤ -27	PASS
	Ant1	Low	5745	5650~5700	-39.09	≤ 9.98	PASS
				5700~5720	-25.93	≤ 15.59	PASS
				5720~5725	-19.36	≤ 25.26	PASS
				5760~5650	-46.92	≤ -27	PASS
	Ant2	Low	5745	5650~5700	-38.2	≤ 7.85	PASS
				5700~5720	-28.11	≤ 15.59	PASS
				5720~5725	-22.39	≤ 21.58	PASS
				5760~5650	-47.75	≤ -27	PASS
11AC40M IMO	Ant1	High	5825	5850~5855	-26.74	≤ 17.03	PASS
				5855~5875	-29.45	≤ 10.63	PASS
				5875~5925	-39.98	≤ -26.36	PASS
				5925~5935	-46.07	≤ -27	PASS
	Ant2	High	5825	5850~5855	-27.09	≤ 18.87	PASS
				5855~5875	-30.45	≤ 10.17	PASS
				5875~5925	-40.5	≤ -21.56	PASS
				5925~5935	-47.29	≤ -27	PASS
	Ant1	Low	5755	5650~5700	-35.38	≤ 8.26	PASS
				5700~5720	-21.65	≤ 15.13	PASS
				5720~5725	-22.51	≤ 25.89	PASS
				5780~5650	-47.5	≤ -27	PASS
	Ant2	Low	5755	5650~5700	-33.3	≤ 8.06	PASS
				5700~5720	-18.73	≤ 15.47	PASS
				5720~5725	-19.57	≤ 20.35	PASS
				5780~5650	-44.76	≤ -27	PASS
11AC80M IMO	Ant1	High	5795	5850~5855	-29.22	≤ 22.43	PASS
				5855~5875	-31.66	≤ 10.22	PASS
				5875~5925	-34.47	≤ -25.70	PASS
				5925~5935	-45.84	≤ -27	PASS
	Ant2	High	5795	5850~5855	-27.89	≤ 17.91	PASS
				5855~5875	-27.62	≤ 12.76	PASS
				5875~5925	-31.52	≤ -26.19	PASS
				5925~5935	-38.8	≤ -27	PASS
	Ant1	Low	5775	5650~5700	-17.36	≤ 9.10	PASS
				5700~5720	-16.31	≤ 15.56	PASS

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		High	5775	5720~5725	-16.34	≤15.65	PASS
				5800~5650	-29.1	≤-27	PASS
				5850~5855	-22.3	≤19.59	PASS
				5855~5875	-23.3	≤11.42	PASS
				5875~5925	-25.56	≤-16.96	PASS
				5925~5935	-28.42	≤-27	PASS
	Ant2	Low	5775	5650~5700	-18.07	≤-1.91	PASS
				5700~5720	-17.31	≤12.13	PASS
				5720~5725	-17.12	≤25.54	PASS
				5800~5650	-30.8	≤-27	PASS
		High	5775	5850~5855	-25.48	≤18.32	PASS
				5855~5875	-24.16	≤12.61	PASS
				5875~5925	-27.25	≤7.68	PASS
				5925~5935	-32.65	≤-27	PASS
11AX20M IMO	Ant1	Low	5745	5650~5700	-34.56	≤8.96	PASS
				5700~5720	-21.63	≤15.47	PASS
				5720~5725	-16.44	≤23.16	PASS
				5760~5650	-47.26	≤-27	PASS
	Ant2	Low	5745	5650~5700	-34.54	≤7.60	PASS
				5700~5720	-22.15	≤15.47	PASS
				5720~5725	-15.65	≤19.75	PASS
				5760~5650	-47.65	≤-27	PASS
	Ant1	High	5825	5850~5855	-16.27	≤16.10	PASS
				5855~5875	-27.44	≤10.51	PASS
				5875~5925	-35.09	≤-26.06	PASS
				5925~5935	-48.42	≤-27	PASS
	Ant2	High	5825	5850~5855	-23.01	≤17.95	PASS
				5855~5875	-27.5	≤10.10	PASS
				5875~5925	-33.28	≤-26.76	PASS
				5925~5935	-47.64	≤-27	PASS
11AX40M IMO	Ant1	Low	5755	5650~5700	-31.97	≤3.97	PASS
				5700~5720	-16.14	≤15.58	PASS
				5720~5725	-16.38	≤15.74	PASS
				5780~5650	-44.61	≤-27	PASS
	Ant2	Low	5755	5650~5700	-29.79	≤9.56	PASS
				5700~5720	-15.89	≤13.73	PASS
				5720~5725	-14.8	≤18.51	PASS
				5780~5650	-43.12	≤-27	PASS
	Ant1	High	5795	5850~5855	-24.66	≤17.91	PASS
				5855~5875	-29.77	≤10.13	PASS
				5875~5925	-33.67	≤-26.43	PASS
				5925~5935	-44.64	≤-27	PASS
	Ant2	High	5795	5850~5855	-28.64	≤17.16	PASS

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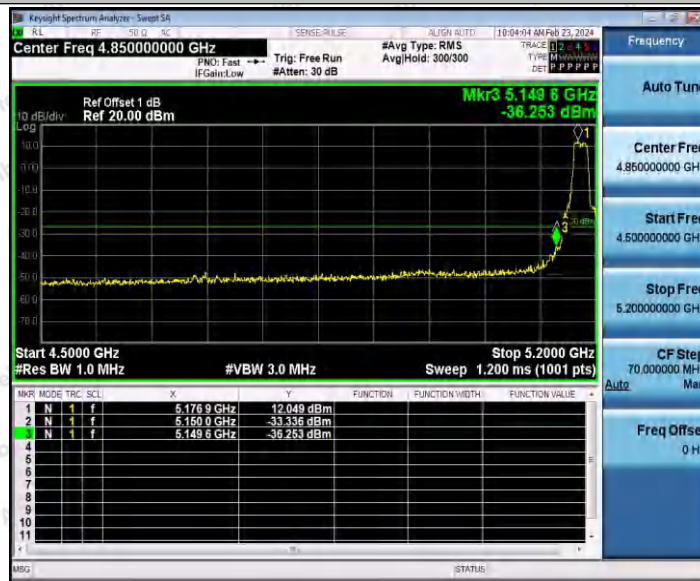
11AX80M IMO	Ant1	Low	5775	5855~5875	-28.68	≤ 10.46	PASS
				5875~5925	-32.65	≤ 14.22	PASS
				5925~5935	-46.81	≤ 27	PASS
				5650~5700	-25.78	≤ 1.65	PASS
		High	5775	5700~5720	-24.85	≤ 14.56	PASS
				5720~5725	-21.7	≤ 26.60	PASS
				5800~5650	-40.46	≤ 27	PASS
				5850~5855	-27.71	≤ 20.01	PASS
	Ant2	Low	5775	5855~5875	-25.05	≤ 10.49	PASS
				5875~5925	-30.5	≤ 21.34	PASS
				5925~5935	-35.81	≤ 27	PASS
				5650~5700	-26.11	≤ 8.07	PASS
		High	5775	5700~5720	-24.52	≤ 13.57	PASS
				5720~5725	-23.94	≤ 22.36	PASS
				5800~5650	-36.19	≤ 27	PASS
				5850~5855	-27.69	≤ 17.90	PASS
				5855~5875	-27.96	≤ 11.52	PASS
				5875~5925	-29.9	≤ 25.18	PASS
				5925~5935	-36.2	≤ 27	PASS

Note: The margins is at least greater than the antenna gain plus cable loss value.



Test Graphs B1

11A-CDD_Ant1_Low_5180



11A-CDD_Ant2_Low_5180



11A-CDD_Ant1_High_5240

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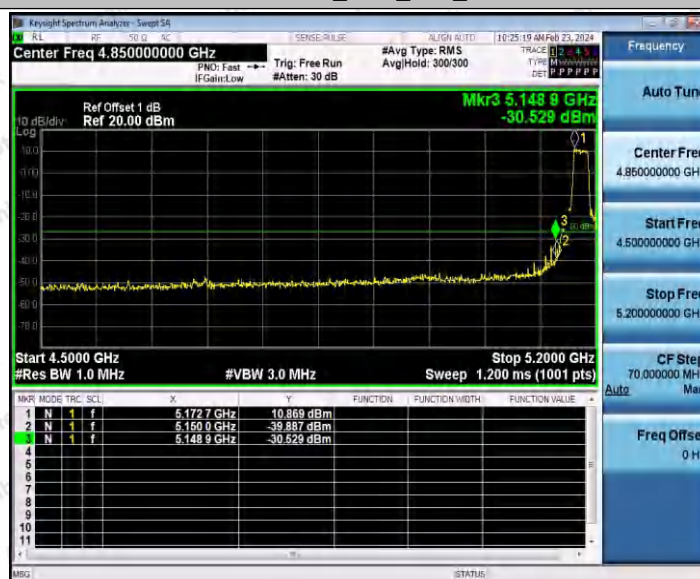




11A-CDD_Ant2_High_5240



11N20MIMO_Ant1_Low_5180



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11N20MIMO_Ant2_Low_5180



11N20MIMO_Ant1_High_5240



11N20MIMO_Ant2_High_5240

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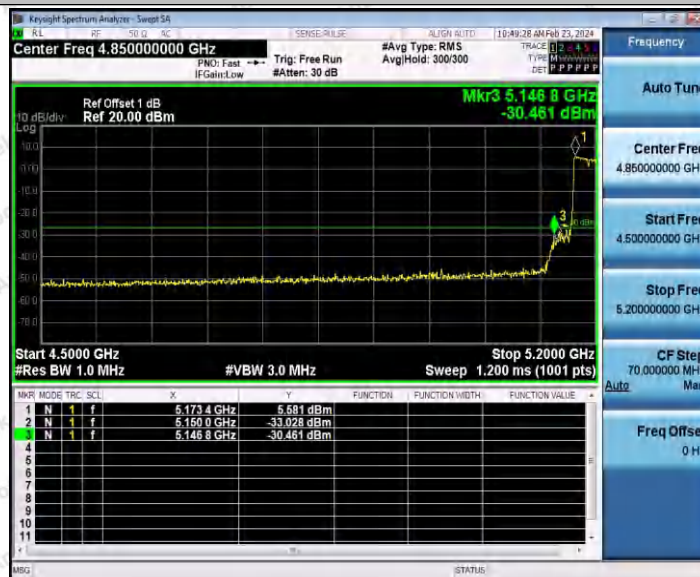


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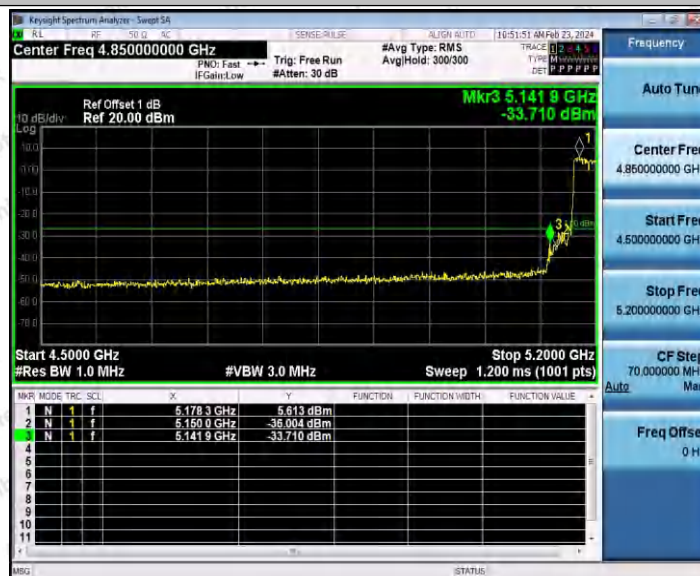




11N40MIMO_Ant1_Low_5190



11N40MIMO_Ant2_Low_5190



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11N40MIMO_Ant1_High_5230



11N40MIMO_Ant2_High_5230



11AC20MIMO_Ant1_Low_5180

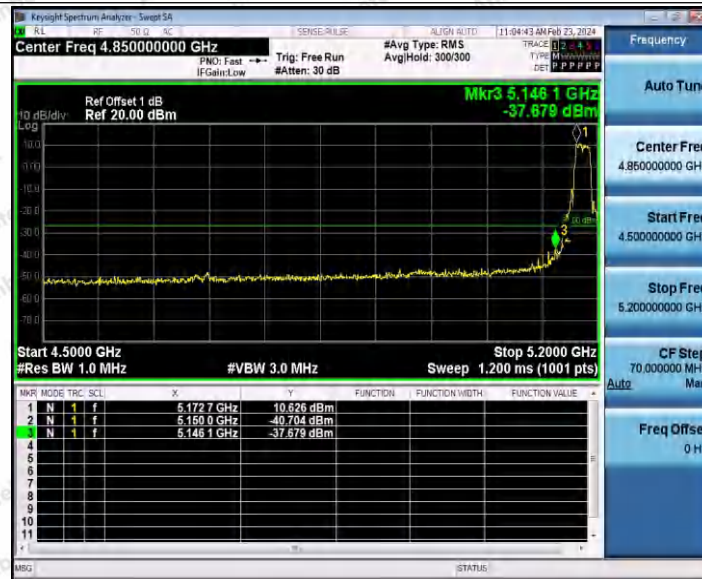
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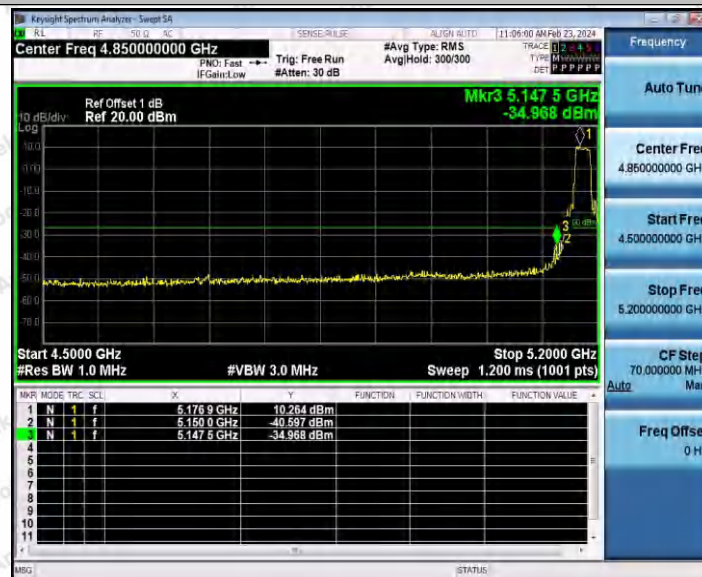


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11AC20MIMO_Ant2_Low_5180



11AC20MIMO_Ant1_High_5240



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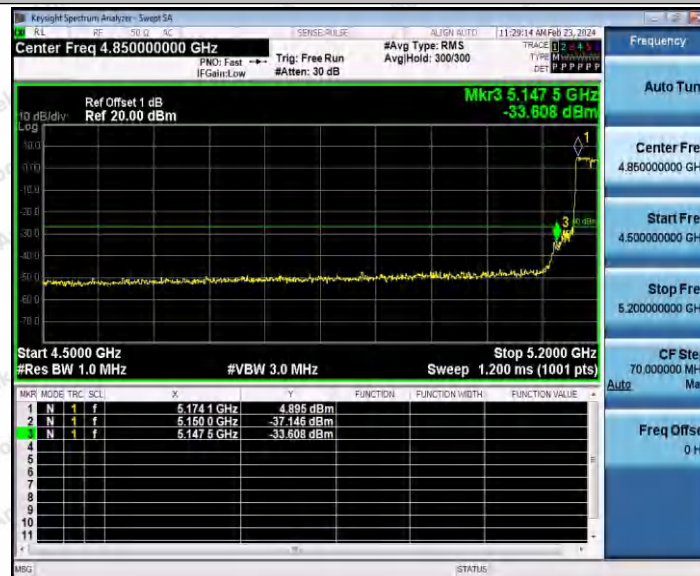
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11AC20MIMO_Ant2_High_5240



11AC40MIMO_Ant1_Low_5190



11AC40MIMO_Ant2_Low_5190

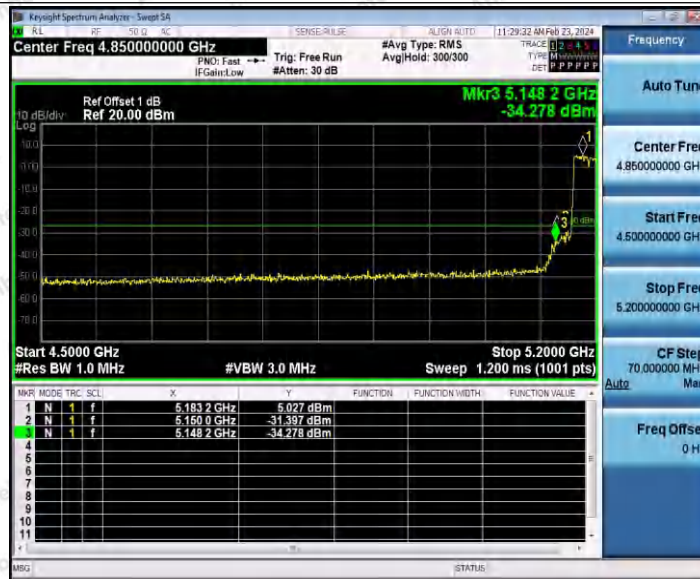
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11AC40MIMO_Ant1_High_5230



11AC40MIMO_Ant2_High_5230



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11AC80MIMO_Ant1_Low_5210



11AC80MIMO_Ant2_Low_5210



11AC80MIMO_Ant1_High_5210

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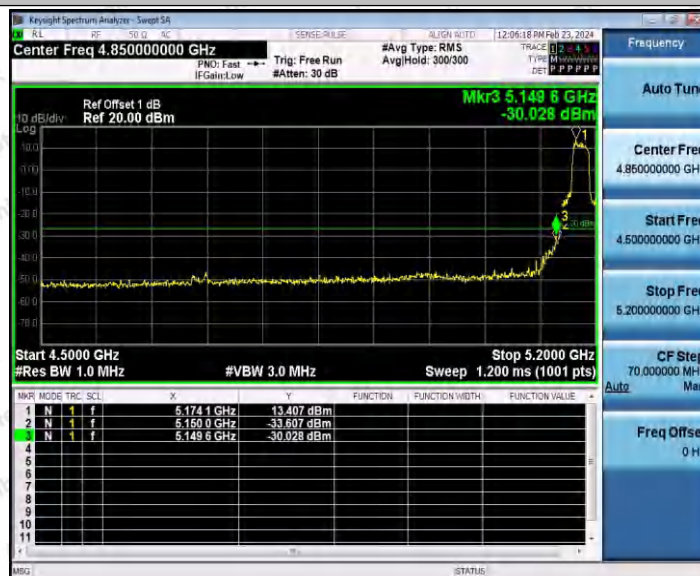




11AC80MIMO_Ant2_High_5210



11AX20MIMO_Ant1_Low_5180



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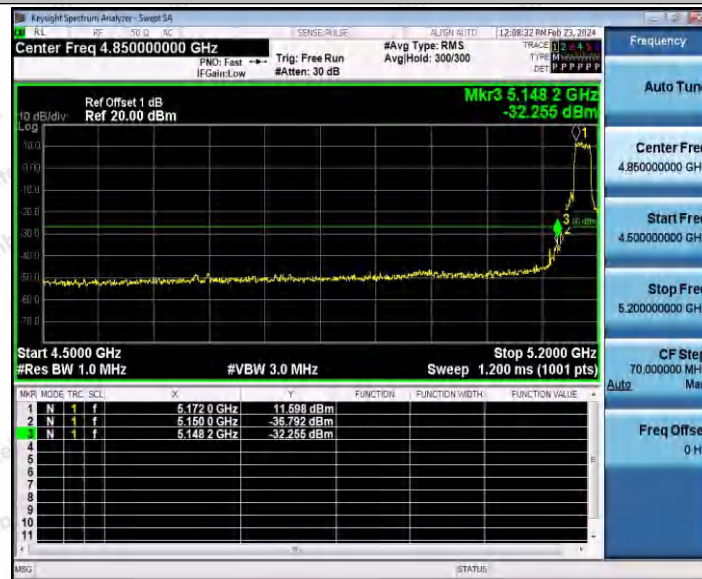
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11AX20MIMO_Ant2_Low_5180



11AX20MIMO_Ant1_High_5240



11AX20MIMO_Ant2_High_5240

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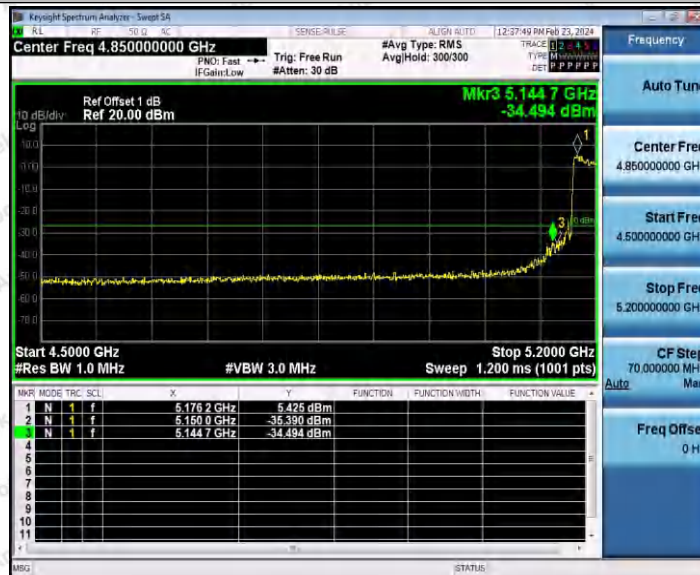


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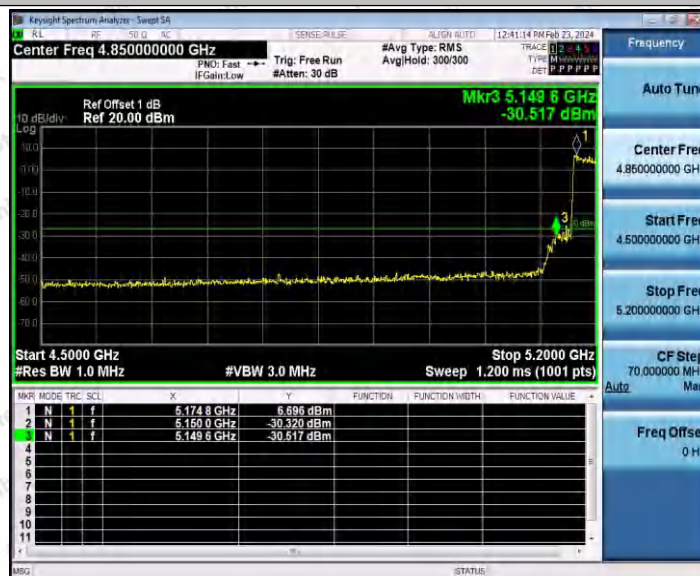




11AX40MIMO_Ant1_Low_5190



11AX40MIMO_Ant2_Low_5190



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11AX40MIMO_Ant1_High_5230



11AX40MIMO_Ant2_High_5230



11AX80MIMO_Ant1_Low_5210

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11AX80MIMO_Ant2_Low_5210



11AX80MIMO_Ant1_High_5210



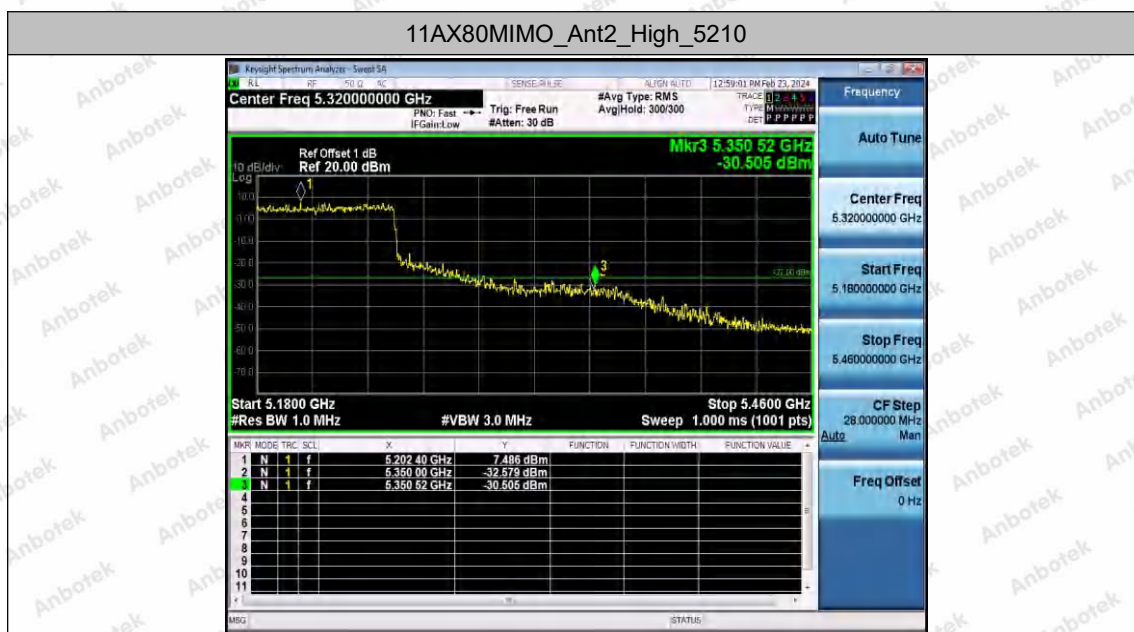
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Test Graphs B4

11A-CDD_Ant1_Low_5745



11A-CDD_Ant2_Low_5745



11A-CDD_Ant1_High_5825

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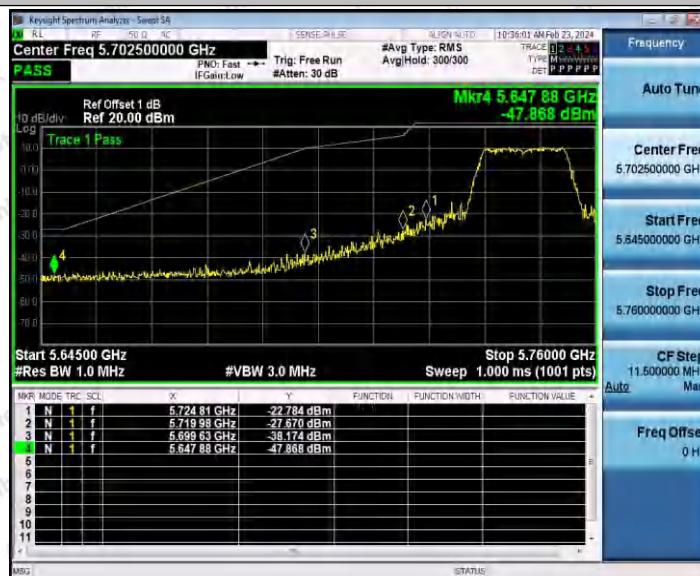




11A-CDD_Ant2_High_5825



11N20MIMO_Ant1_Low_5745



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11N20MIMO_Ant2_Low_5745



11N20MIMO_Ant1_High_5825



11N20MIMO_Ant2_High_5825

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11N40MIMO_Ant1_Low_5755



11N40MIMO_Ant2_Low_5755



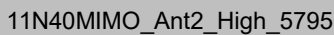
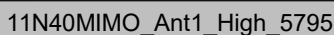
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11AC20MIMO Ant1 Low 5745



11AC20MIMO_Ant2_Low_5745



11AC20MIMO_Ant1_High_5825



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11AC20MIMO_Ant2_High_5825



11AC40MIMO_Ant1_Low_5755



11AC40MIMO_Ant2_Low_5755

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11AC40MIMO_Ant1_High_5795



11AC40MIMO_Ant2_High_5795



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11AC80MIMO_Ant2_High_5775



11AX20MIMO_Ant1_Low_5745



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11AX20MIMO_Ant2_Low_5745



11AX20MIMO_Ant1_High_5825



11AX20MIMO_Ant2_High_5825

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11AX40MIMO_Ant1_Low_5755



11AX40MIMO_Ant2_Low_5755



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11AX40MIMO_Ant1_High_5795



11AX40MIMO_Ant2_High_5795



11AX80MIMO_Ant1_Low_5775

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11AX80MIMO_Ant1_High_5775



11AX80MIMO_Ant2_Low_5775



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