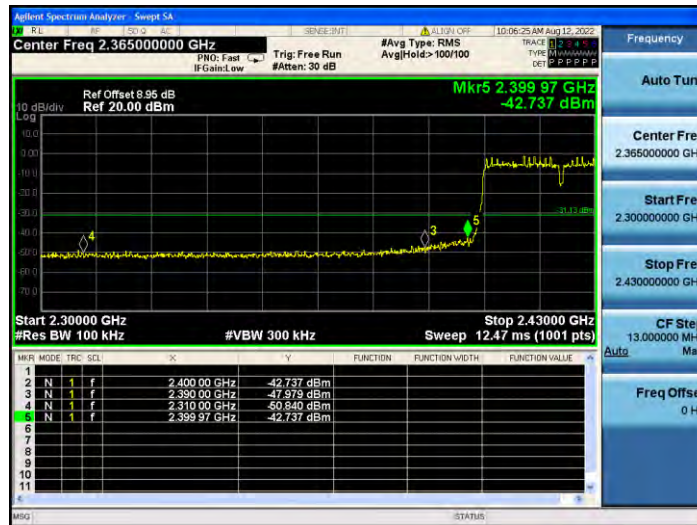
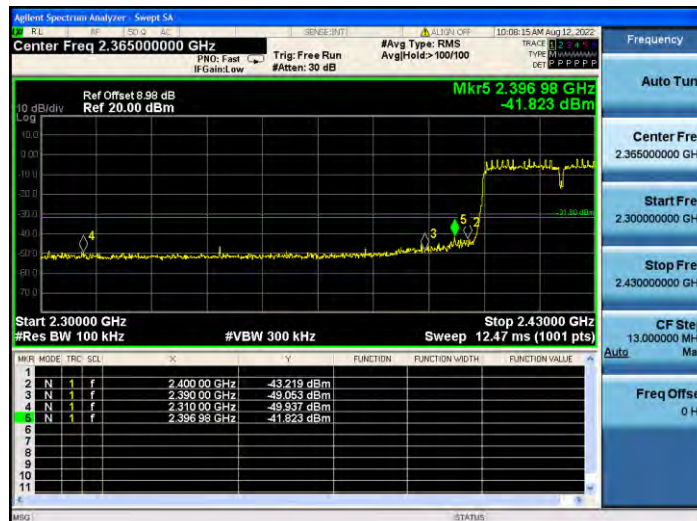
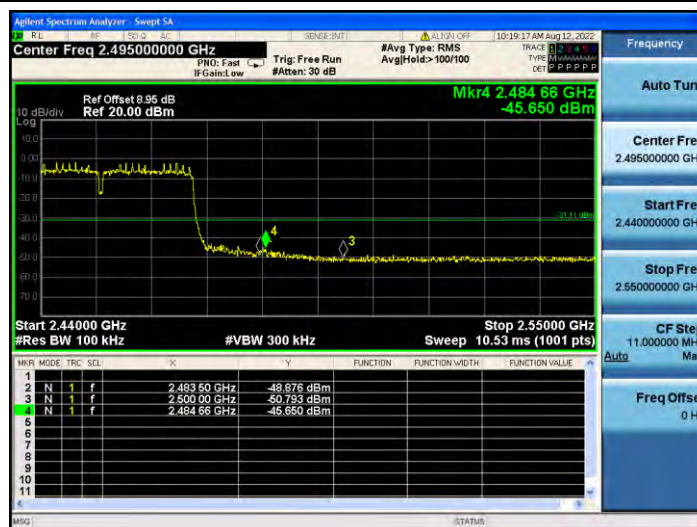




11N40MIMO_Ant2_Low_2422



11N40MIMO_Ant1_High_2452



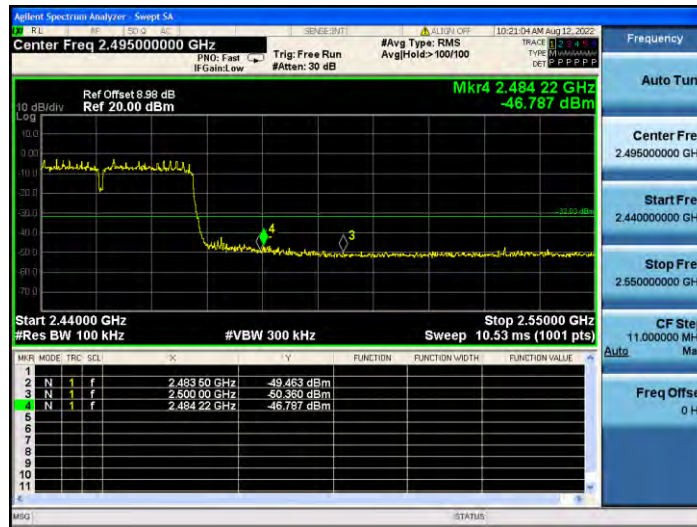
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11N40MIMO_Ant2_High_2452



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	5.98	-61.09	≤-24.02	PASS
			1000~26500	5.98	-43.21	≤-24.02	PASS
	Ant2	2412	30~1000	6.39	-60.63	≤-23.61	PASS
			1000~26500	6.39	-43.23	≤-23.61	PASS
	Ant1	2437	30~1000	6.00	-60.89	≤-24	PASS
			1000~26500	6.00	-43.69	≤-24	PASS
	Ant2	2437	30~1000	5.45	-60.62	≤-24.55	PASS
			1000~26500	5.45	-43.33	≤-24.55	PASS
	Ant1	2462	30~1000	4.99	-60.61	≤-25.01	PASS
			1000~26500	4.99	-42.98	≤-25.01	PASS
	Ant2	2462	30~1000	4.94	-61.12	≤-25.06	PASS
			1000~26500	4.94	-43.03	≤-25.06	PASS
11G	Ant1	2412	30~1000	-0.81	-56.14	≤-30.81	PASS
			1000~26500	-0.81	-43.1	≤-30.81	PASS
	Ant2	2412	30~1000	-1.60	-60.88	≤-31.6	PASS
			1000~26500	-1.60	-42.64	≤-31.6	PASS
	Ant1	2437	30~1000	-0.78	-60.8	≤-30.78	PASS
			1000~26500	-0.78	-43.64	≤-30.78	PASS
	Ant2	2437	30~1000	-1.50	-61.1	≤-31.5	PASS
			1000~26500	-1.50	-42.42	≤-31.5	PASS
	Ant1	2462	30~1000	-1.16	-56.3	≤-31.16	PASS
			1000~26500	-1.16	-43.72	≤-31.16	PASS
	Ant2	2462	30~1000	-1.70	-61.15	≤-31.7	PASS
			1000~26500	-1.70	-43.1	≤-31.7	PASS
11N20MIMO	Ant1	2412	30~1000	-0.09	-55.87	≤-30.09	PASS
			1000~26500	-0.09	-43.19	≤-30.09	PASS
	Ant2	2412	30~1000	-0.36	-60.71	≤-30.36	PASS
			1000~26500	-0.36	-43.8	≤-30.36	PASS
	Ant1	2437	30~1000	-0.05	-56.34	≤-30.05	PASS
			1000~26500	-0.05	-43.61	≤-30.05	PASS
	Ant2	2437	30~1000	-0.09	-61.06	≤-30.09	PASS
			1000~26500	-0.09	-41.72	≤-30.09	PASS
	Ant1	2462	30~1000	-0.58	-56.25	≤-30.58	PASS
			1000~26500	-0.58	-41.74	≤-30.58	PASS



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Compliance Certification Services (Kunshan) Inc.

11N40MIMO	Ant2	2462	30~1000	-0.34	-61.15	≤-30.34	PASS
			1000~26500	-0.34	-42.58	≤-30.34	PASS
	Ant1	2422	30~1000	-1.13	-55.62	≤-31.13	PASS
			1000~26500	-1.13	-42.95	≤-31.13	PASS
	Ant2	2422	30~1000	-1.80	-61.14	≤-31.8	PASS
			1000~26500	-1.80	-43.06	≤-31.8	PASS
	Ant1	2437	30~1000	-1.20	-55.51	≤-31.2	PASS
			1000~26500	-1.20	-43.37	≤-31.2	PASS
	Ant2	2437	30~1000	-1.50	-60.8	≤-31.5	PASS
			1000~26500	-1.50	-43.92	≤-31.5	PASS
	Ant1	2452	30~1000	-1.11	-55.82	≤-31.11	PASS
			1000~26500	-1.11	-42.57	≤-31.11	PASS
	Ant2	2452	30~1000	-2.03	-60.92	≤-32.03	PASS
			1000~26500	-2.03	-42.63	≤-32.03	PASS



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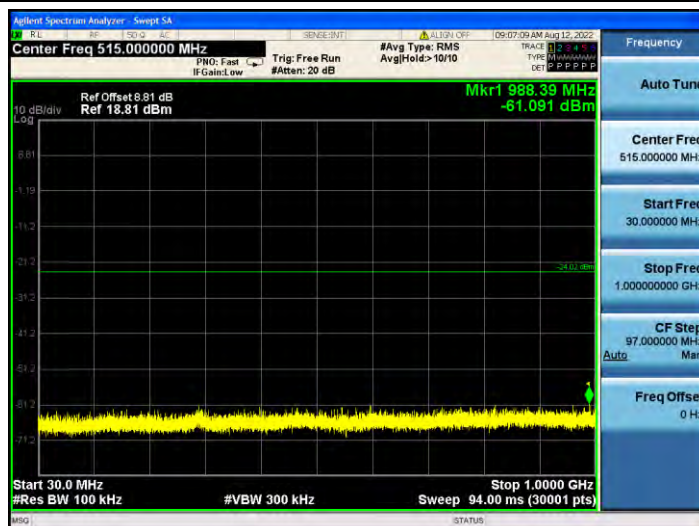
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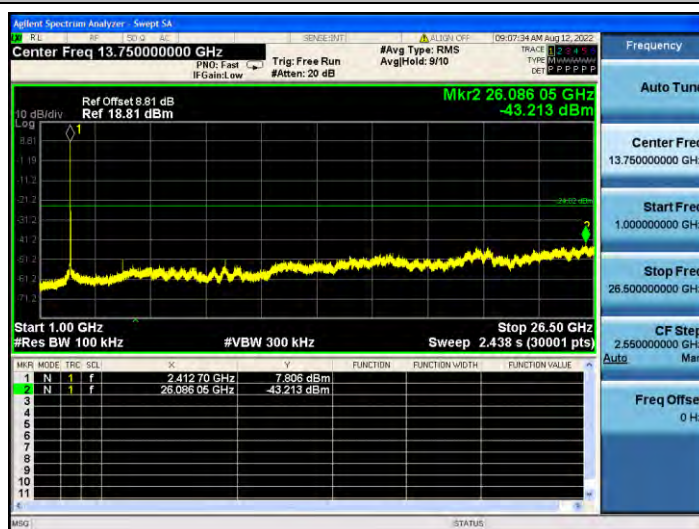


Test Graphs

11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant2_2412_30~1000

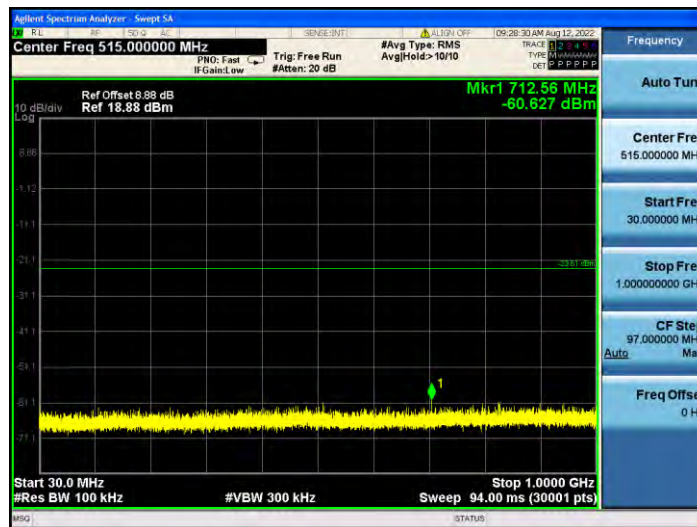


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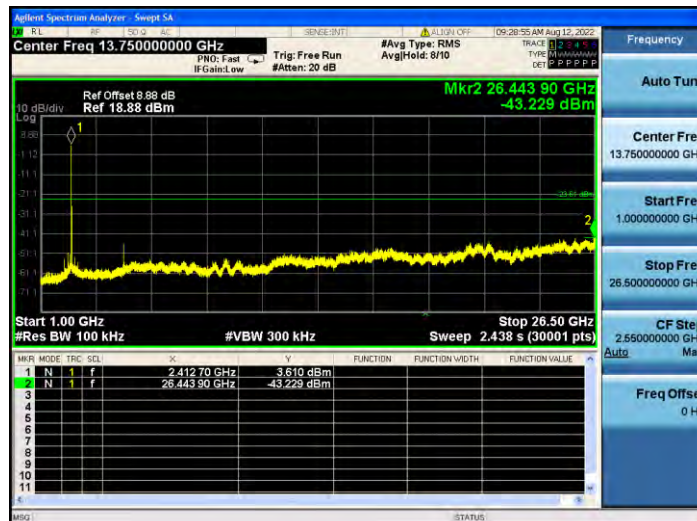
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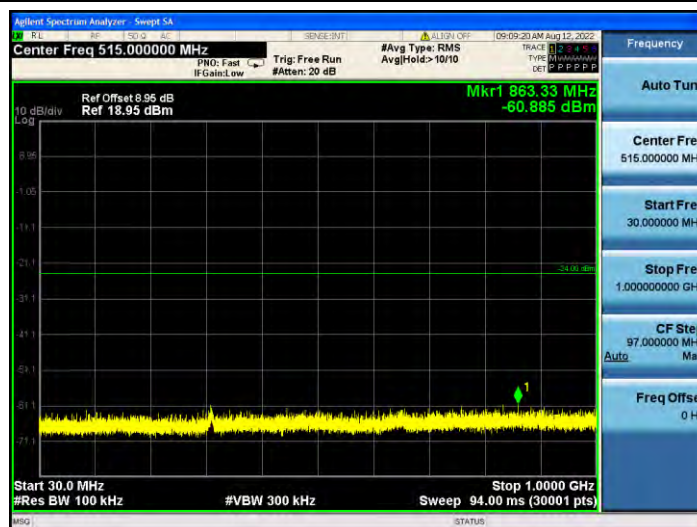
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11B_Ant2_2412_1000~26500



11B_Ant1_2437_30~1000



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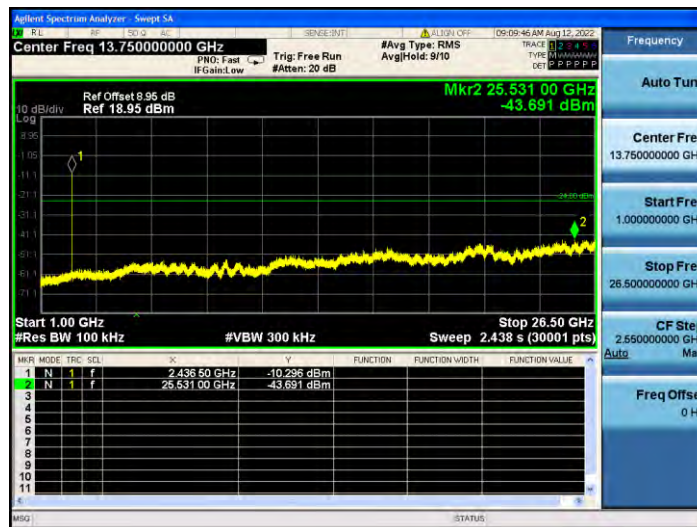
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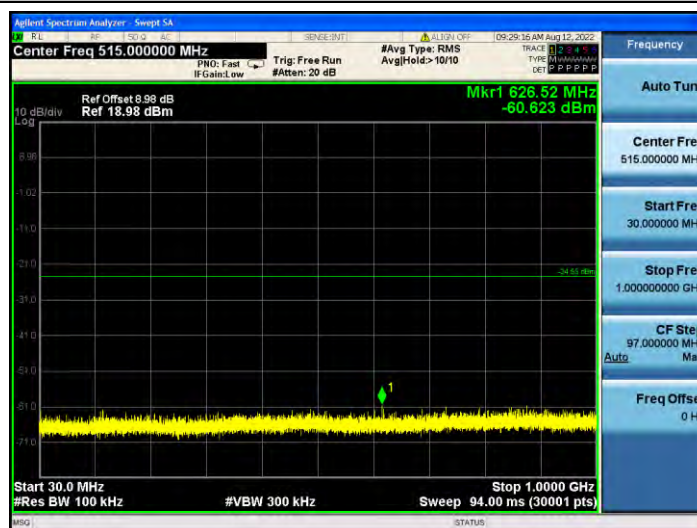
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11B_Ant1_2437_1000~26500



11B_Ant2_2437_30~1000



11B_Ant2_2437_1000~26500

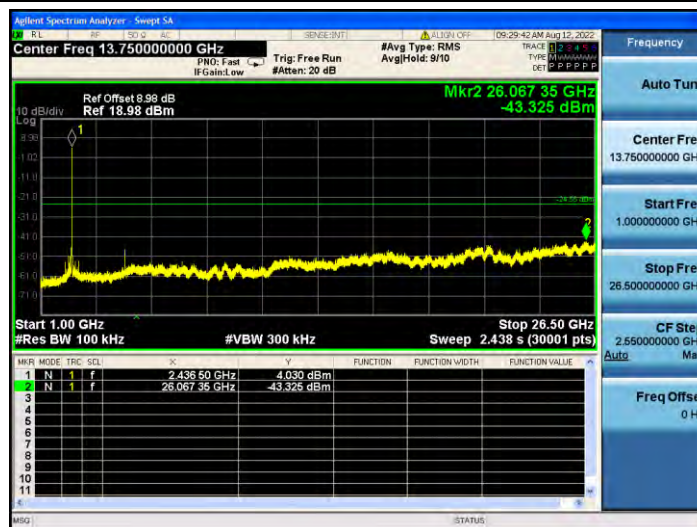


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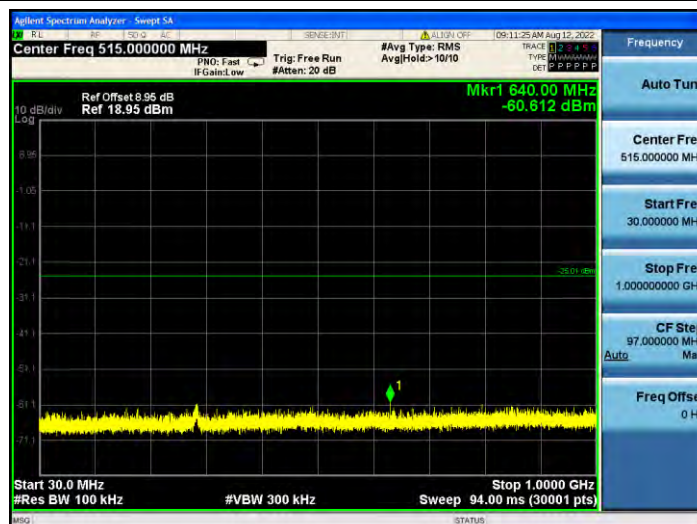
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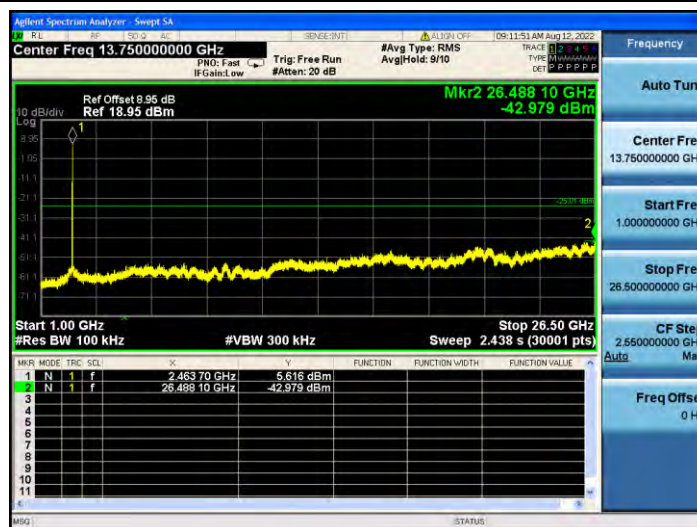
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11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



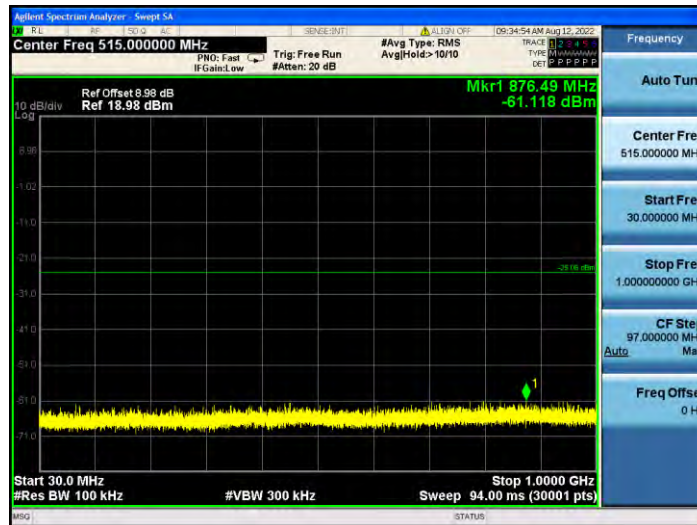
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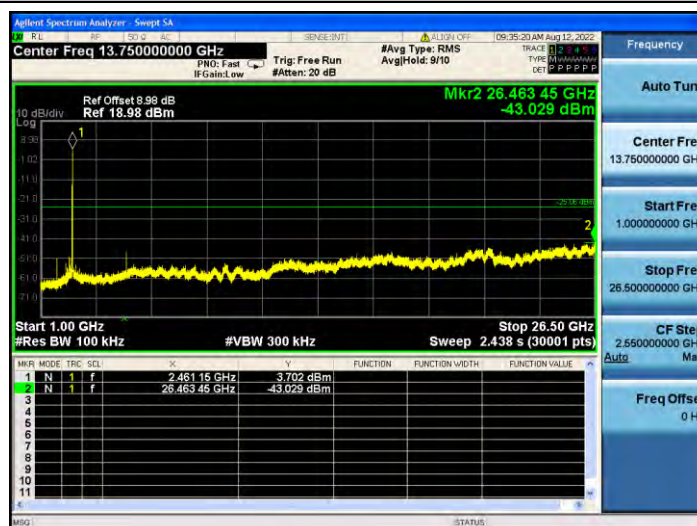
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11B_Ant2_2462_30~1000



11B_Ant2_2462_1000~26500



11G_Ant1_2412_30~1000

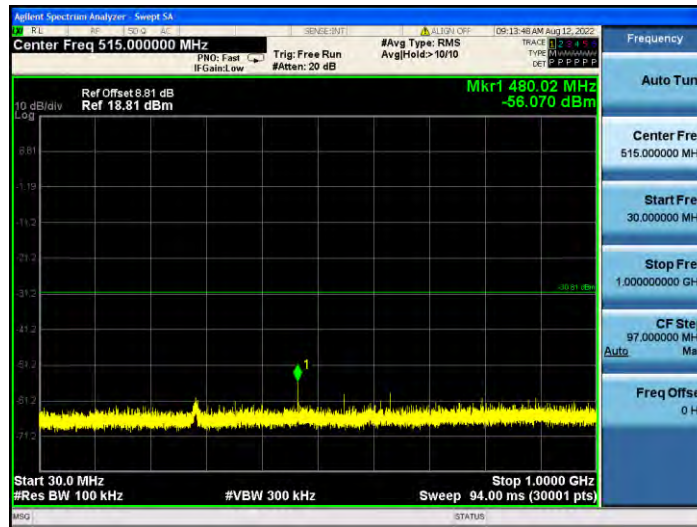


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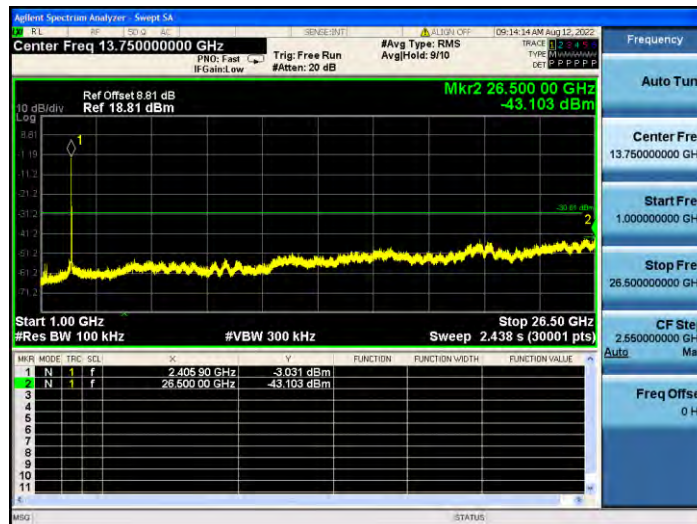
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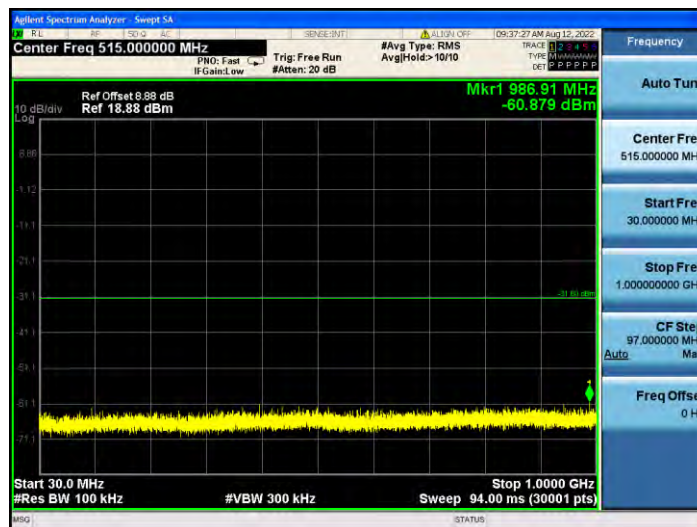
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11G_Ant1_2412_1000~26500



11G_Ant2_2412_30~1000



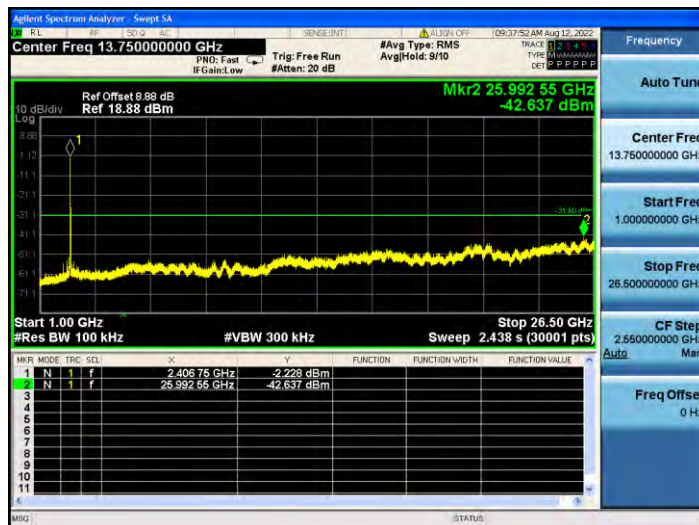
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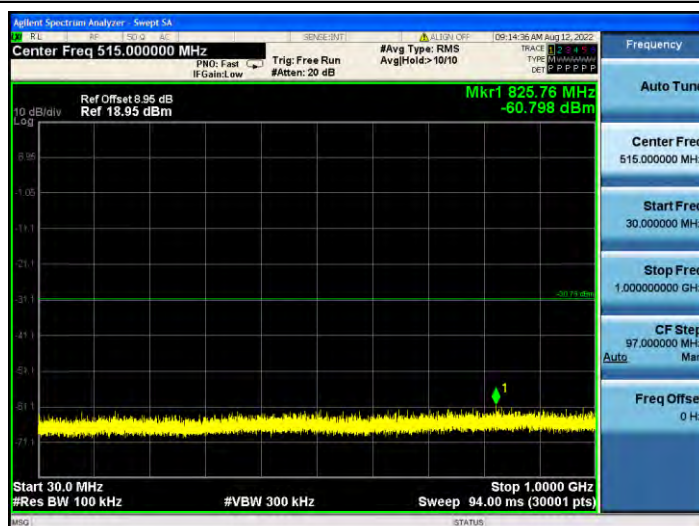
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11G_Ant2_2412_1000~26500



11G_Ant1_2437_1000~1000



11G_Ant1_2437_1000~26500

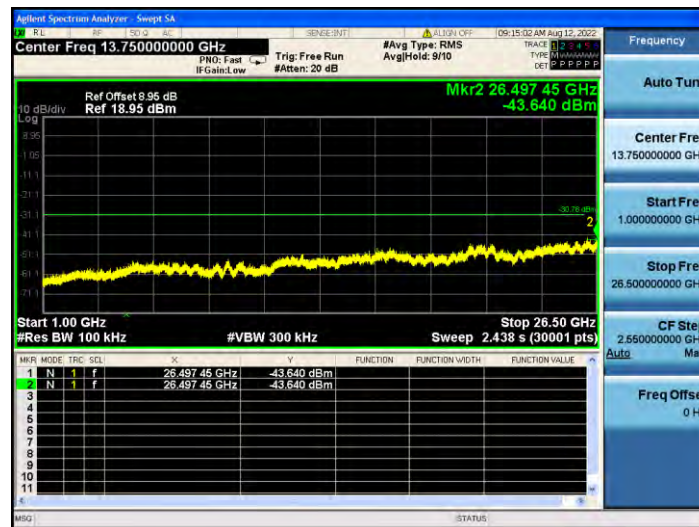


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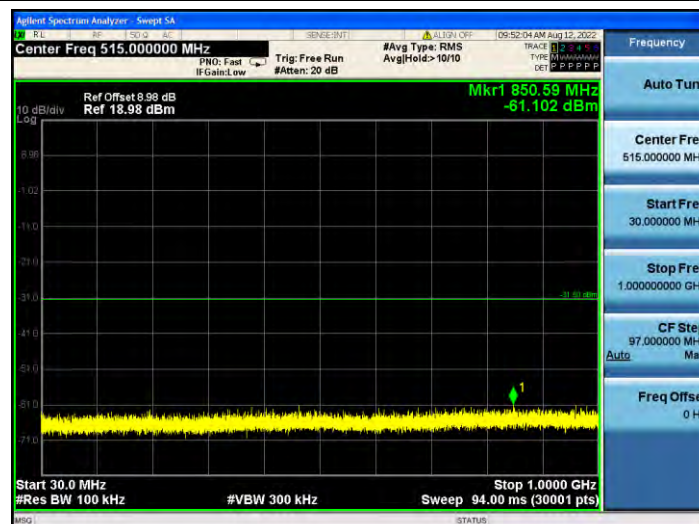
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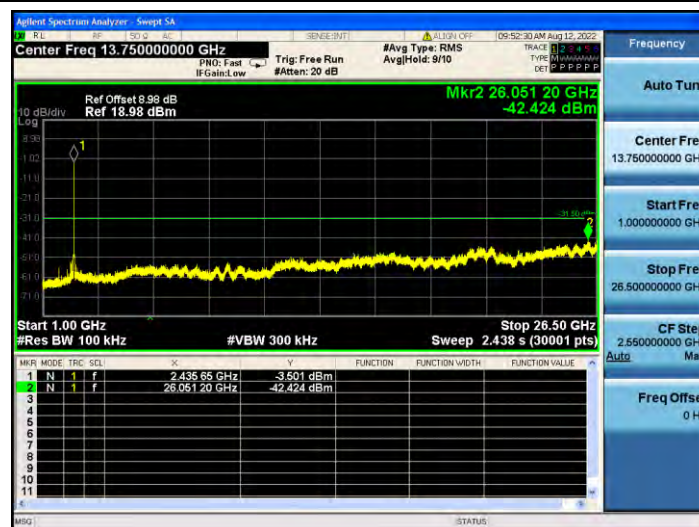
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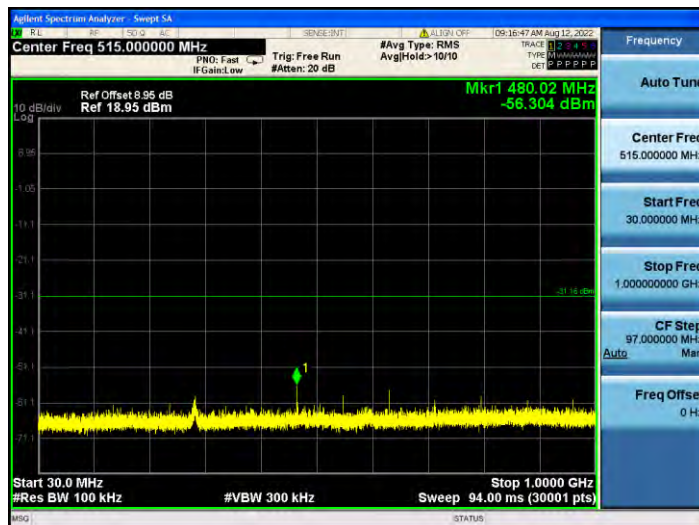
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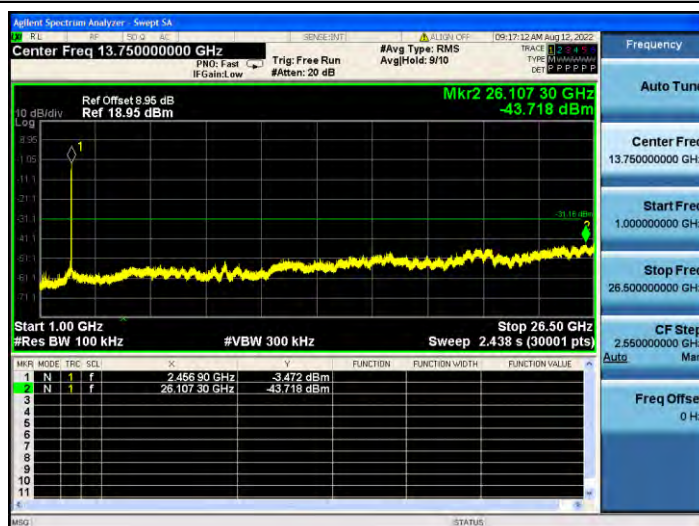
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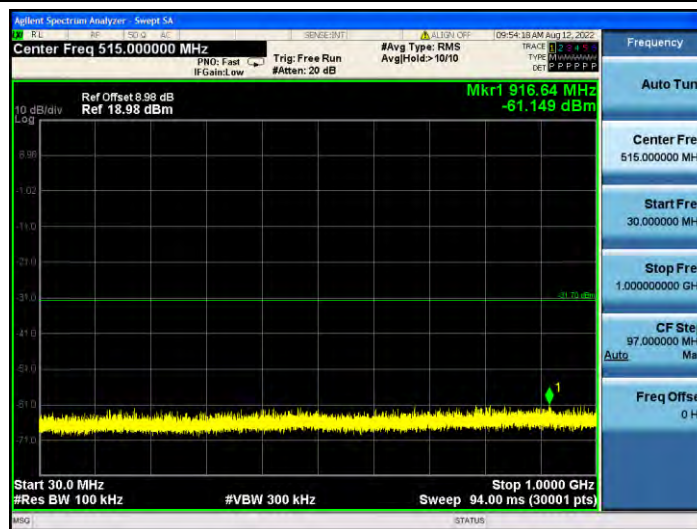


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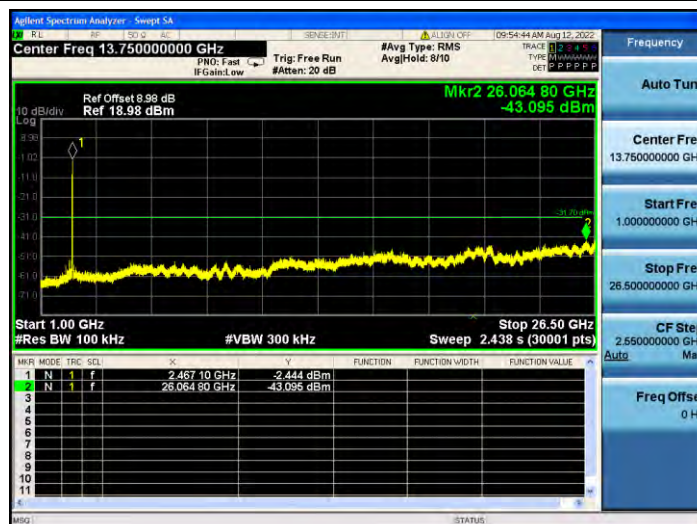
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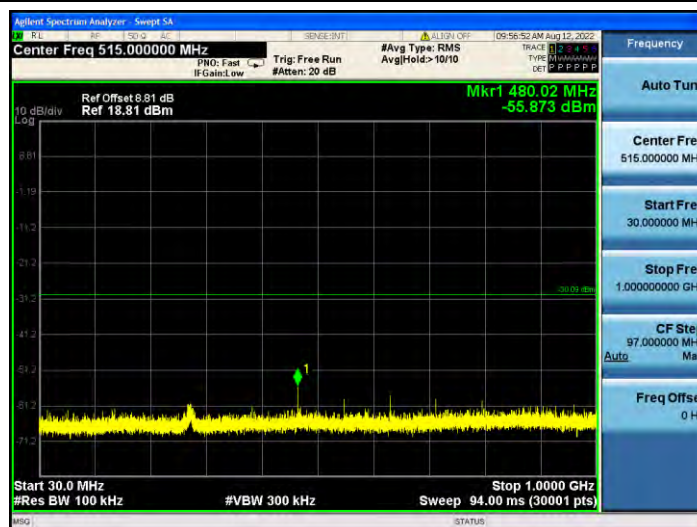
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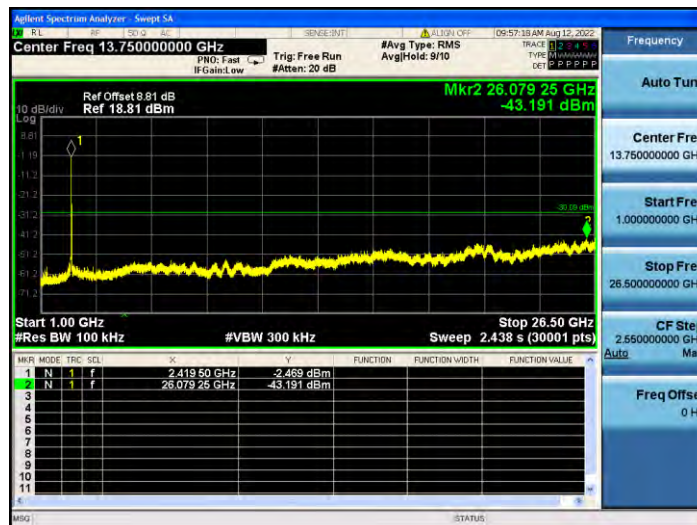
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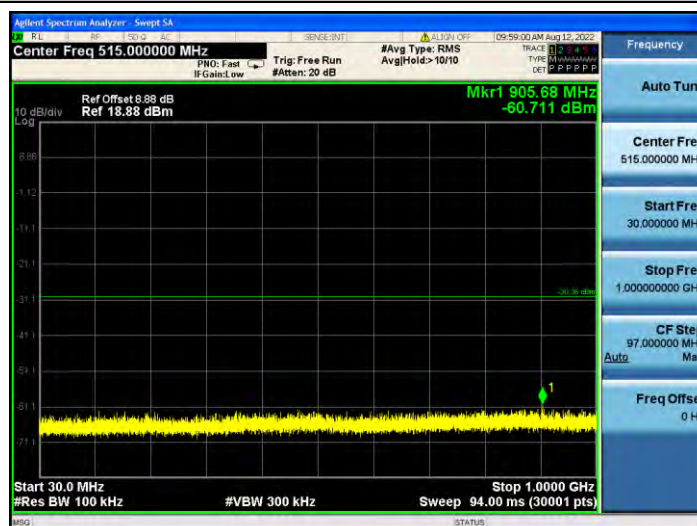
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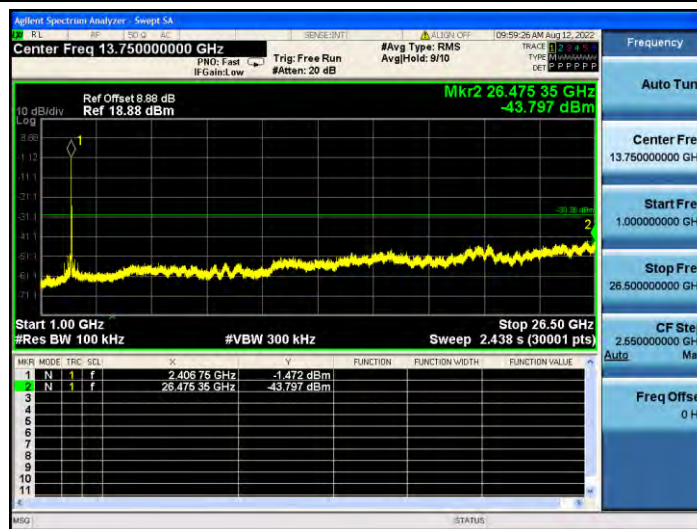


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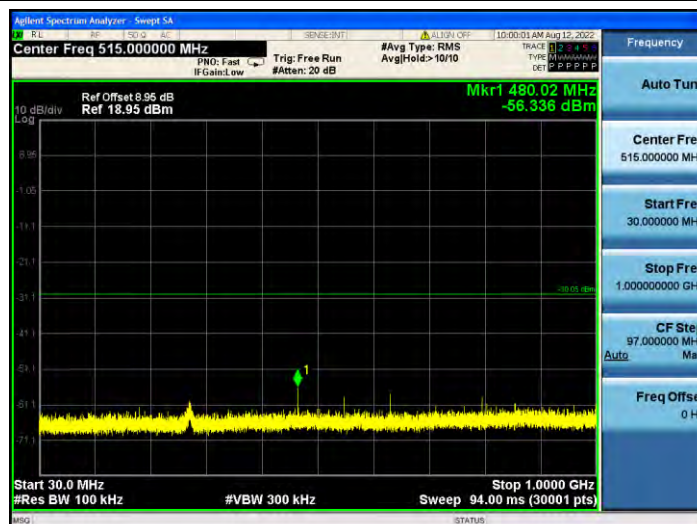
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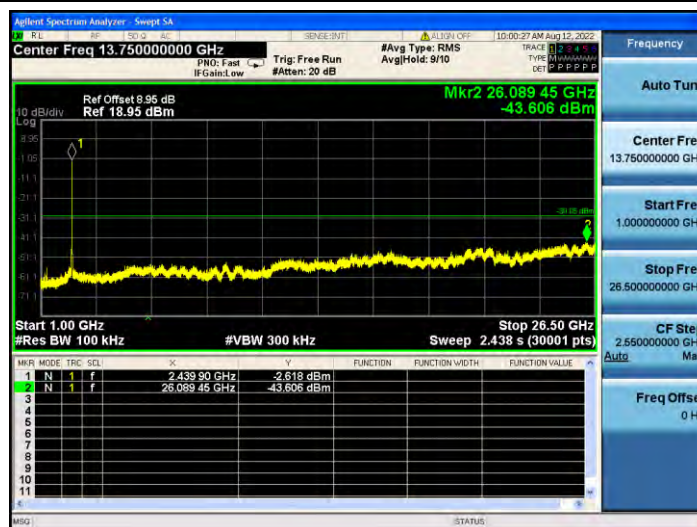
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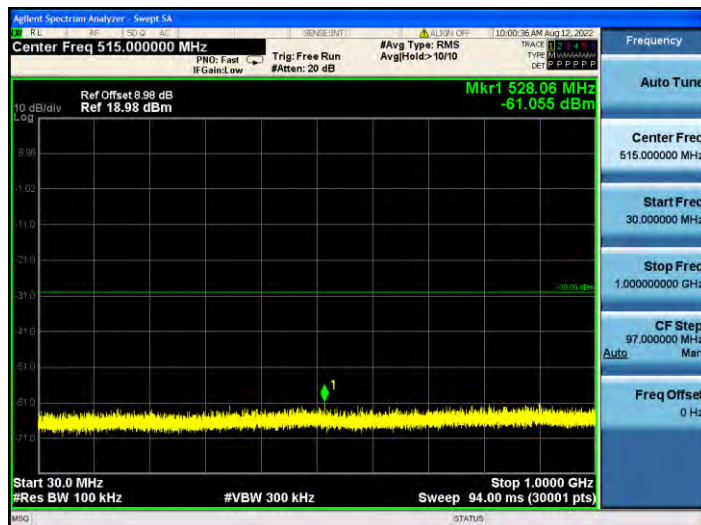
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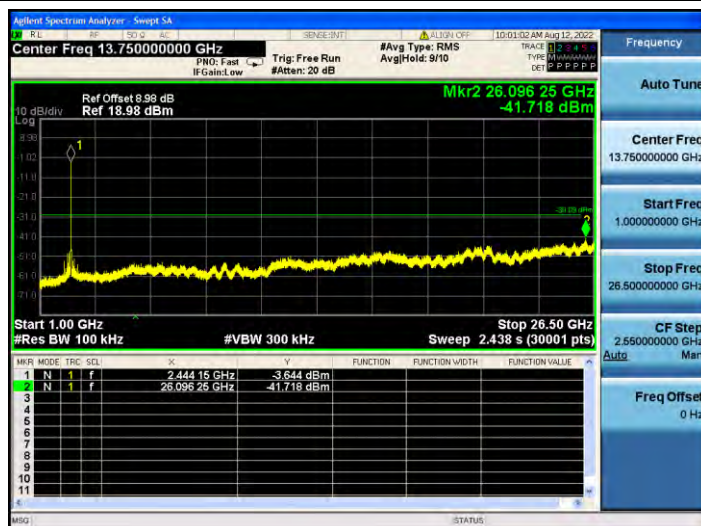
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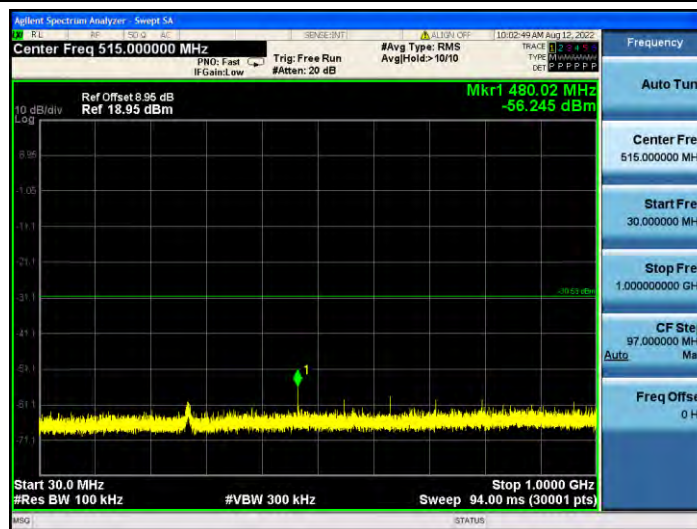


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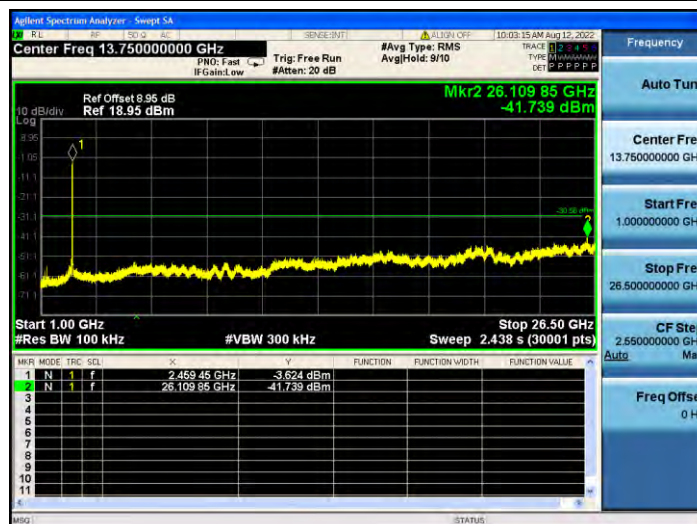
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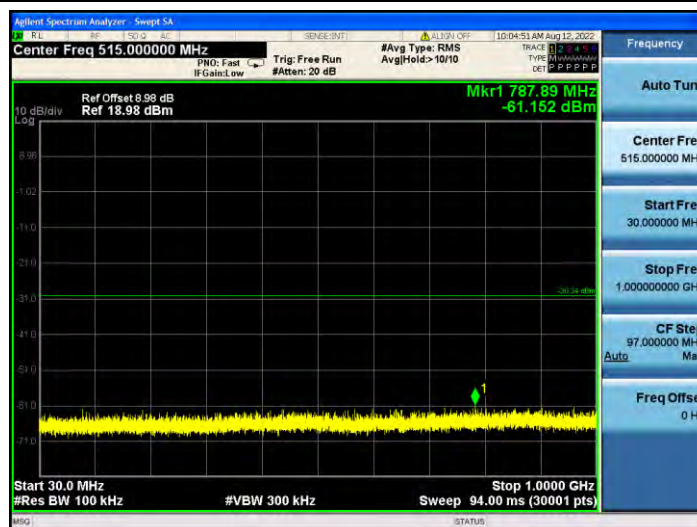
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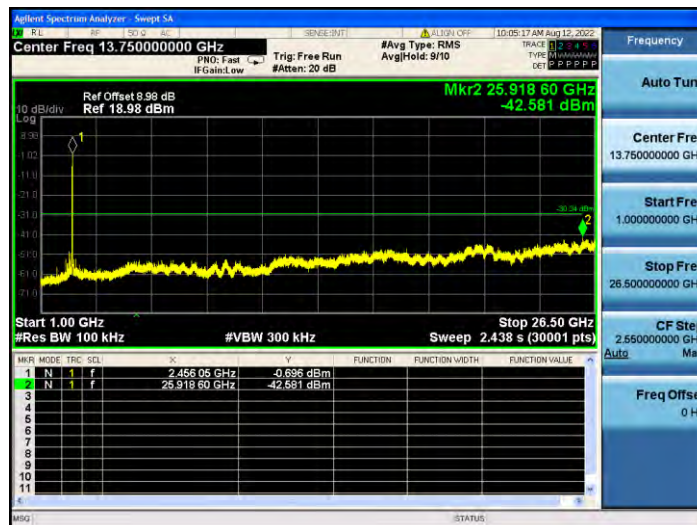
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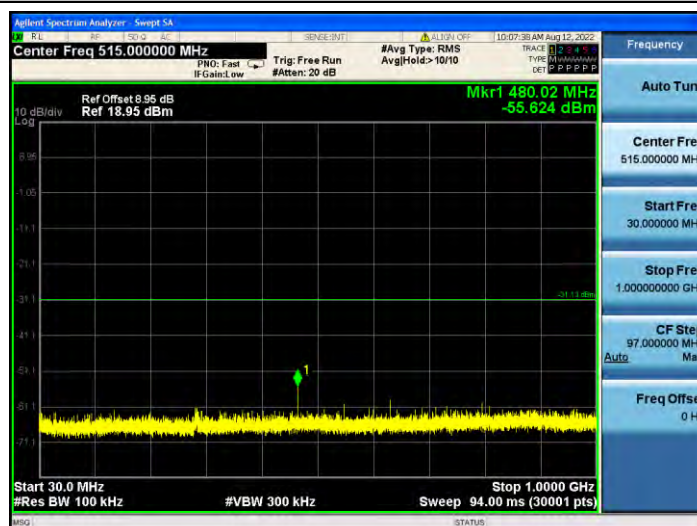


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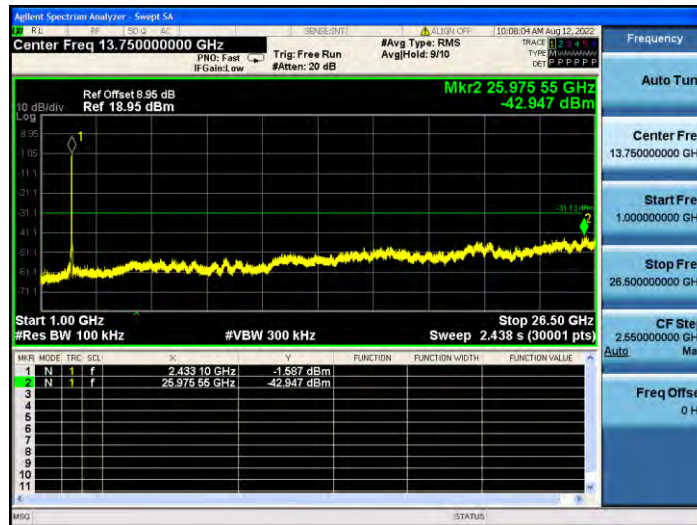


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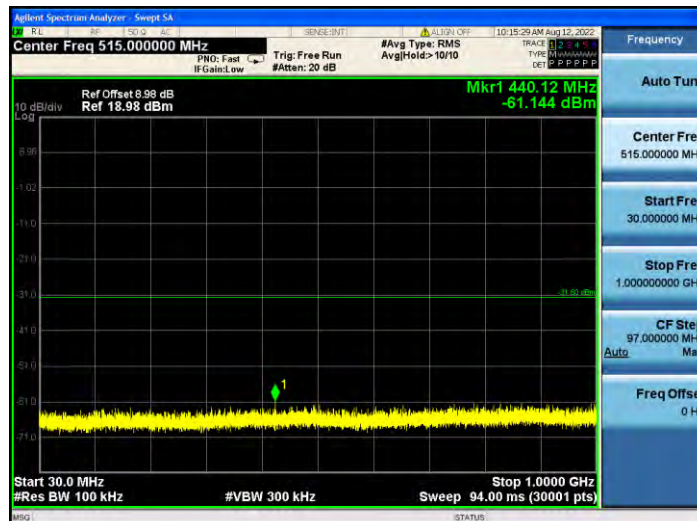
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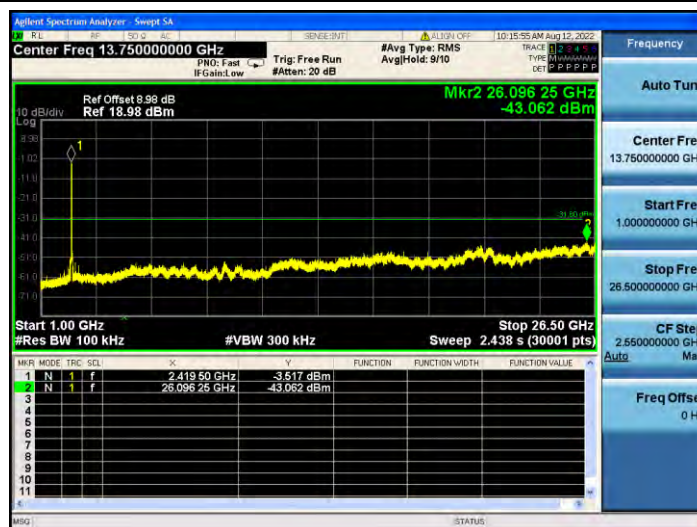
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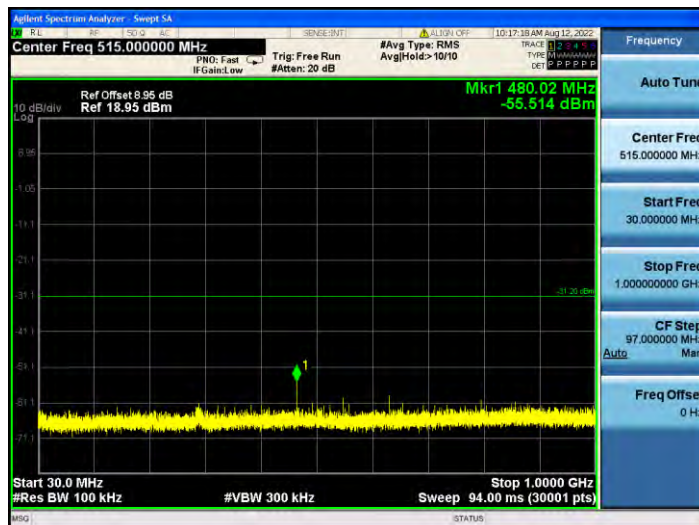
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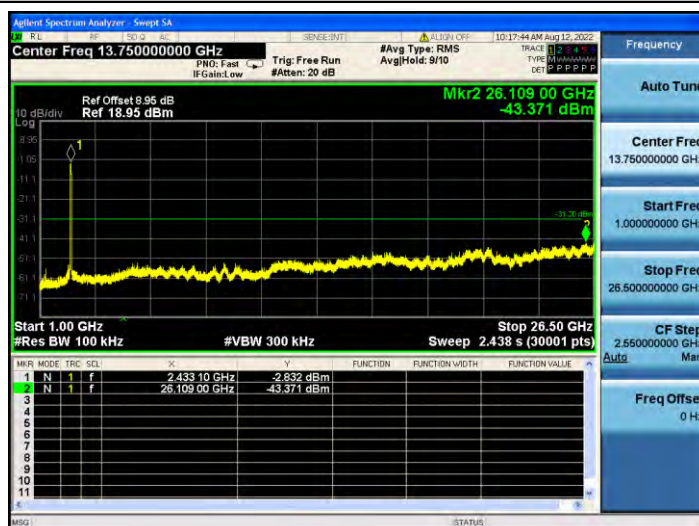
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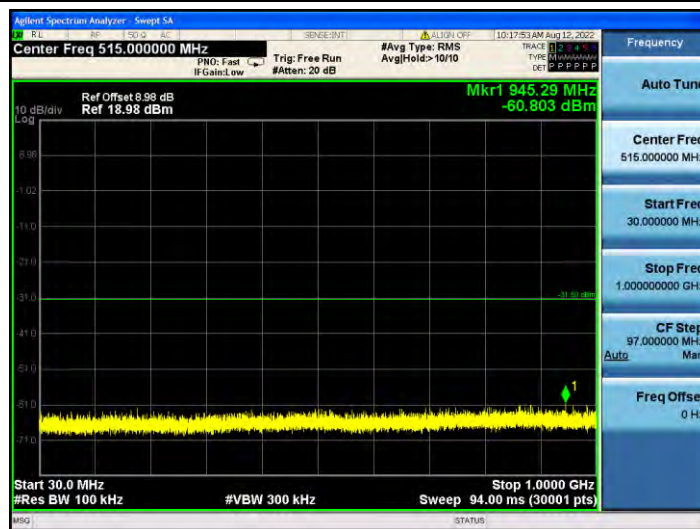


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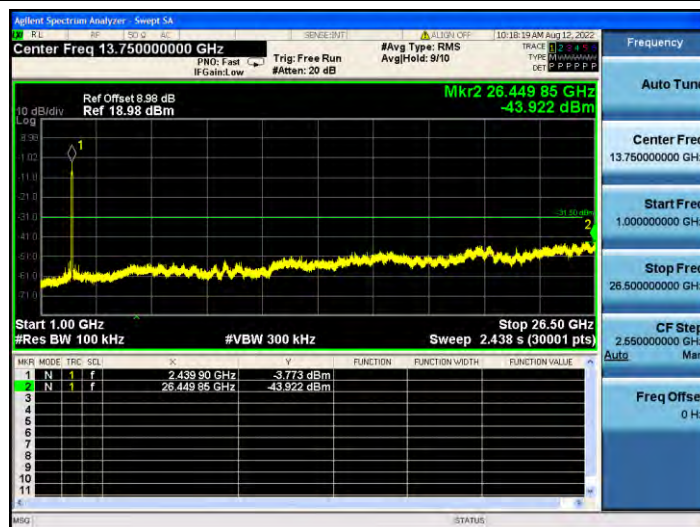
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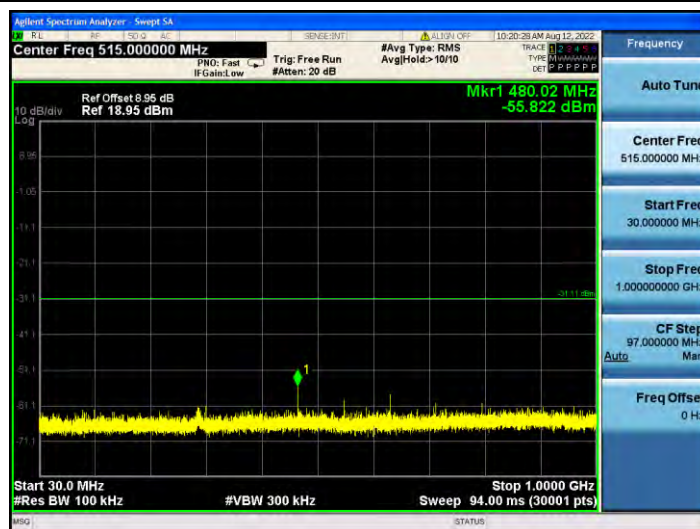
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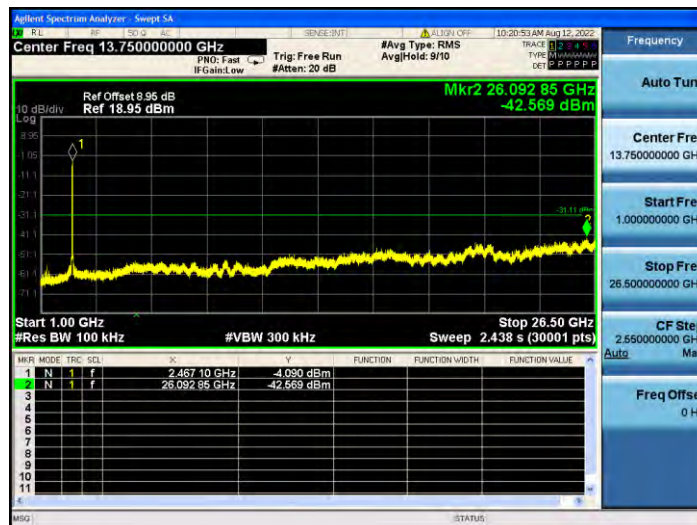
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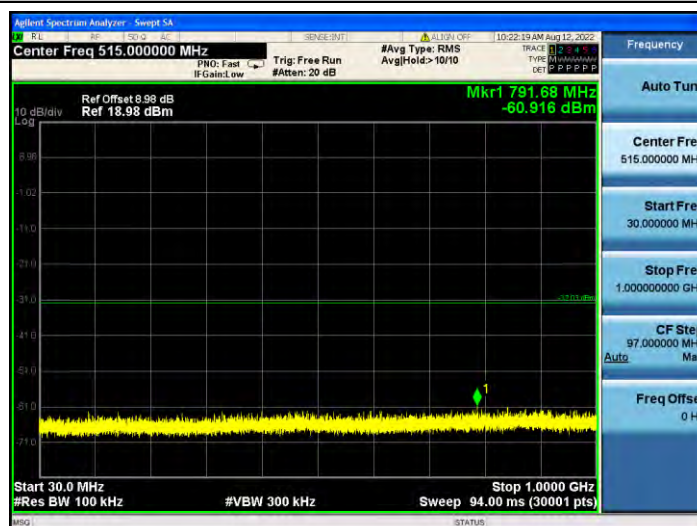
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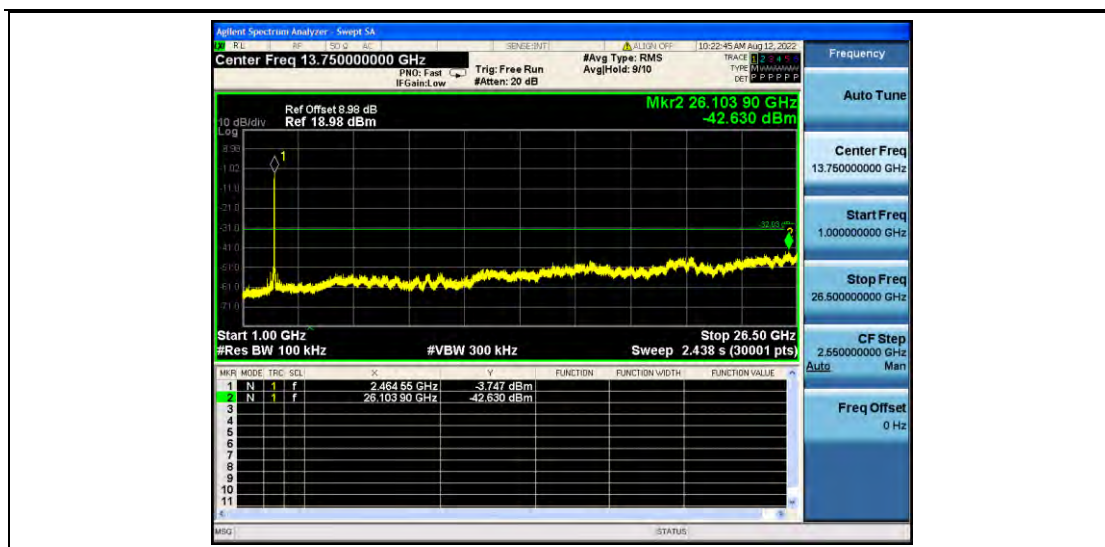
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	12.41	12.46	99.60	---	---
	Ant2	2412	12.42	12.59	98.65	---	---
	Ant1	2437	12.42	12.51	99.28	---	---
	Ant2	2437	12.41	12.57	98.73	---	---
	Ant1	2462	12.43	12.58	98.81	---	---
	Ant2	2462	1.00	1.00	100.00	---	---
11G	Ant1	2412	2.06	2.30	89.57	---	---
	Ant2	2412	2.06	2.30	89.57	---	---
	Ant1	2437	2.07	3.11	66.56	---	---
	Ant2	2437	2.06	3.07	67.10	---	---
	Ant1	2462	2.06	2.30	89.57	---	---
	Ant2	2462	2.07	2.30	90.00	---	---
11N20MIMO	Ant1	2412	2.06	2.30	89.57	---	---
	Ant2	2412	2.06	3.07	67.10	---	---
	Ant1	2437	1.92	2.18	88.07	---	---
	Ant2	2437	1.92	2.18	88.07	---	---
	Ant1	2462	1.92	2.17	88.48	---	---
	Ant2	2462	1.92	2.17	88.48	---	---
11N40MIMO	Ant1	2422	0.94	1.18	79.66	---	---
	Ant2	2422	0.94	1.18	79.66	---	---
	Ant1	2437	0.95	1.19	79.83	---	---
	Ant2	2437	0.94	1.18	79.66	---	---
	Ant1	2452	0.95	1.19	79.83	---	---
	Ant2	2452	0.94	1.18	79.66	---	---



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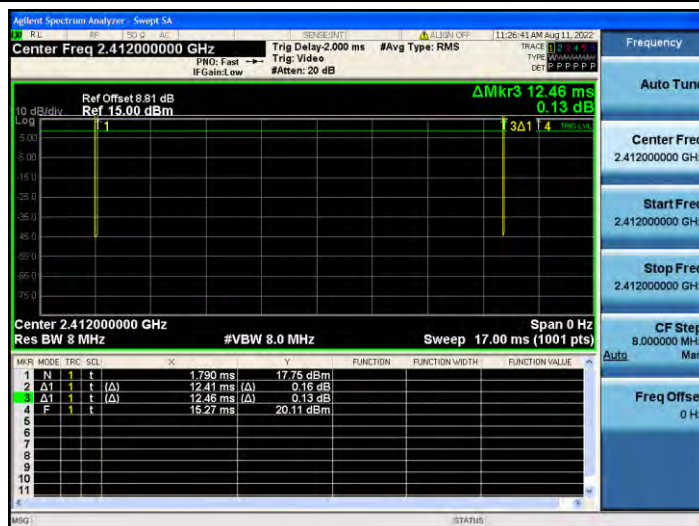
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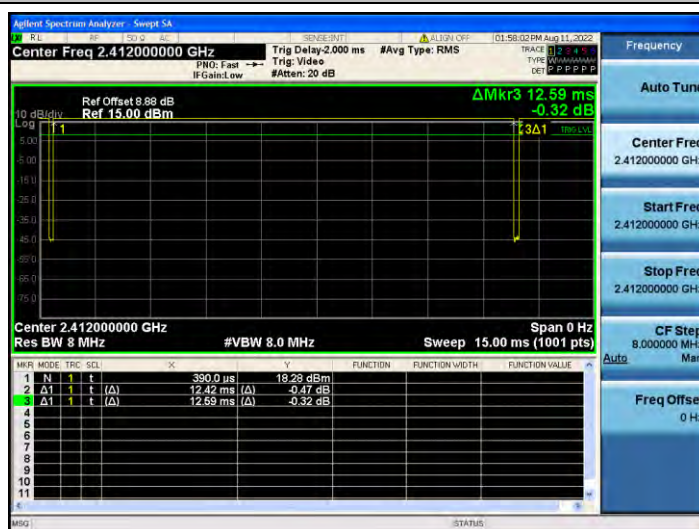
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Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437

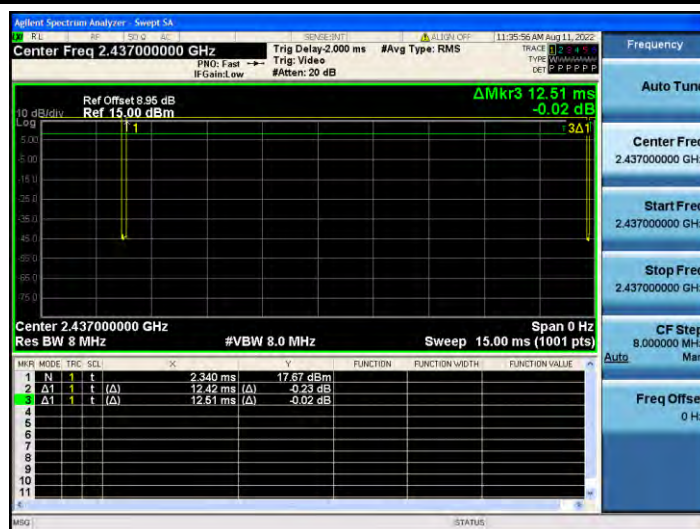


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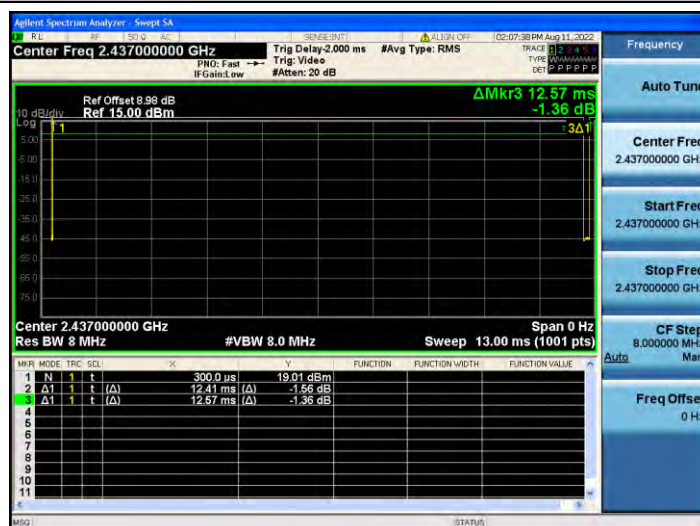
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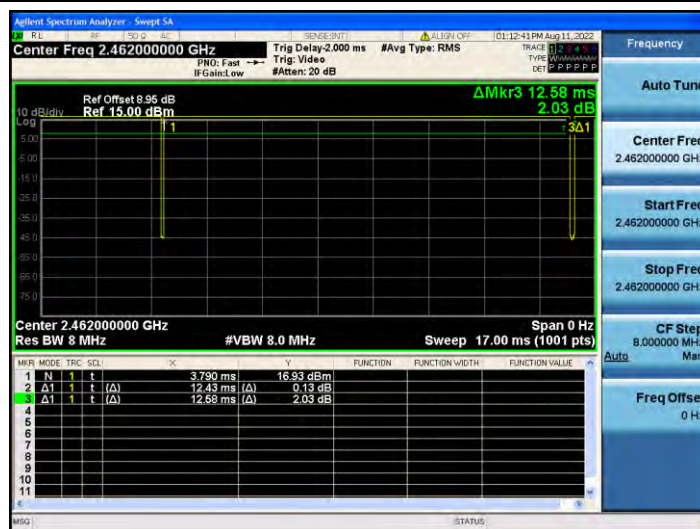
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11B_Ant2_2437



11B_Ant1_2462



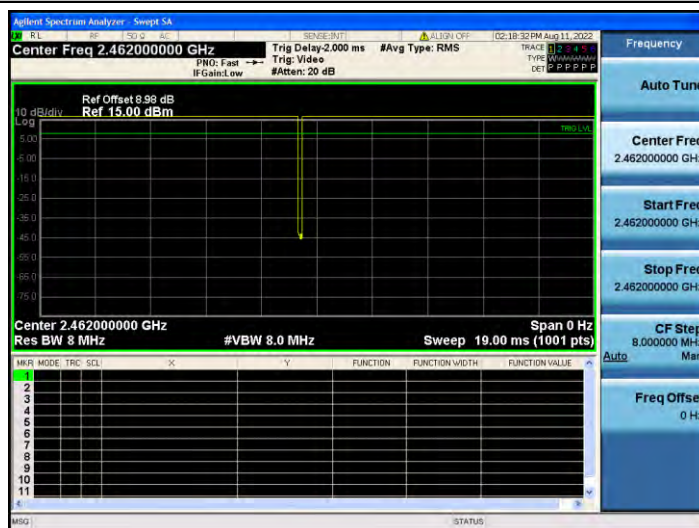
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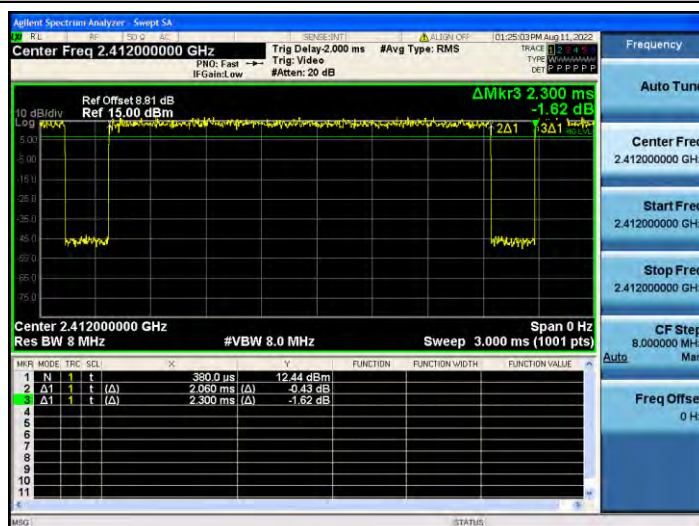
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11B Ant2 2462



11G Ant1 2412



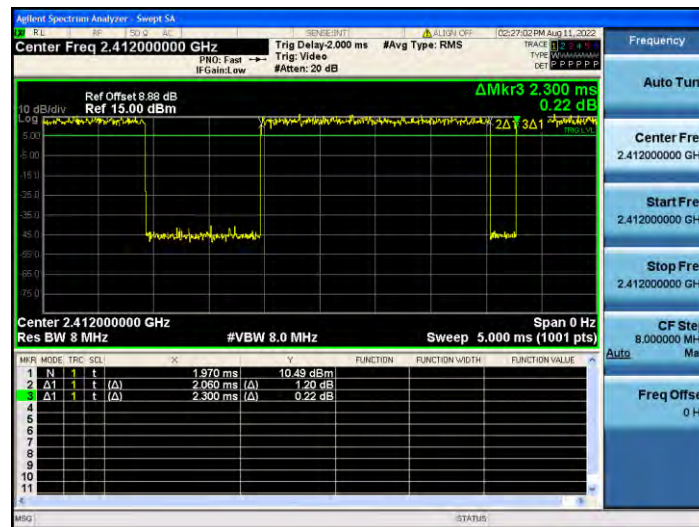
11G Ant2 2412



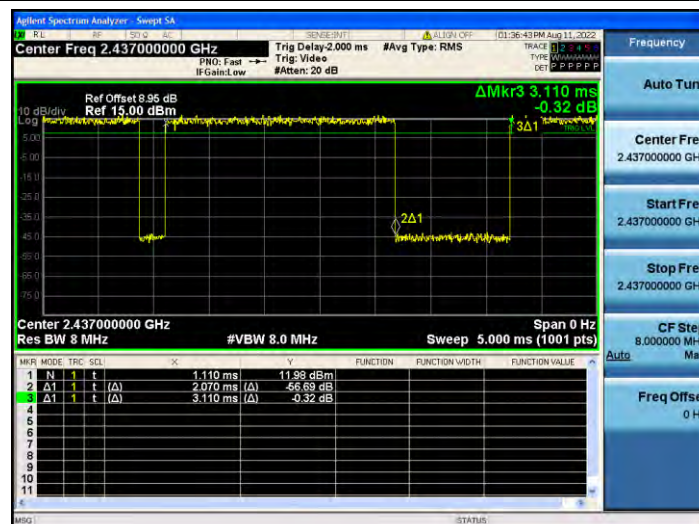
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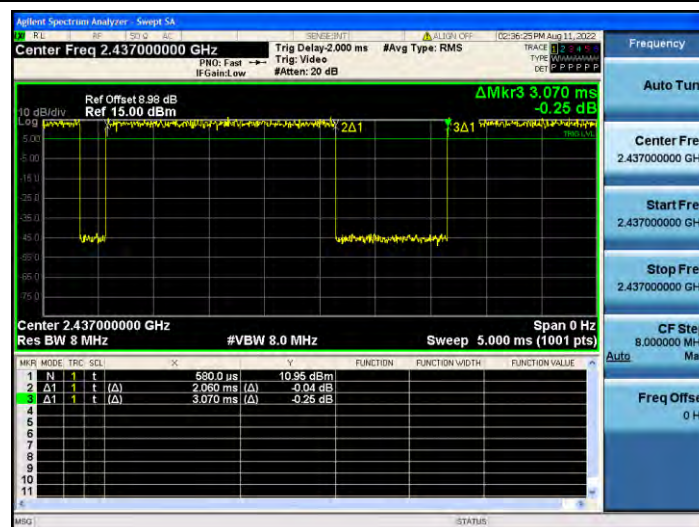
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11G_Ant1_2437



11G_Ant2_2437

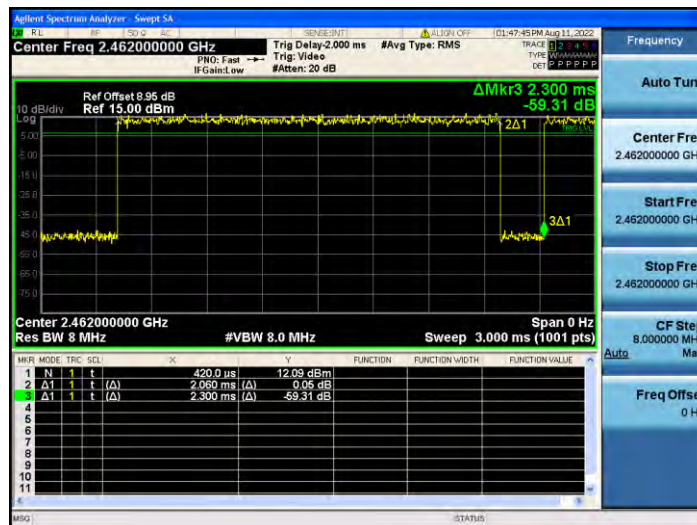


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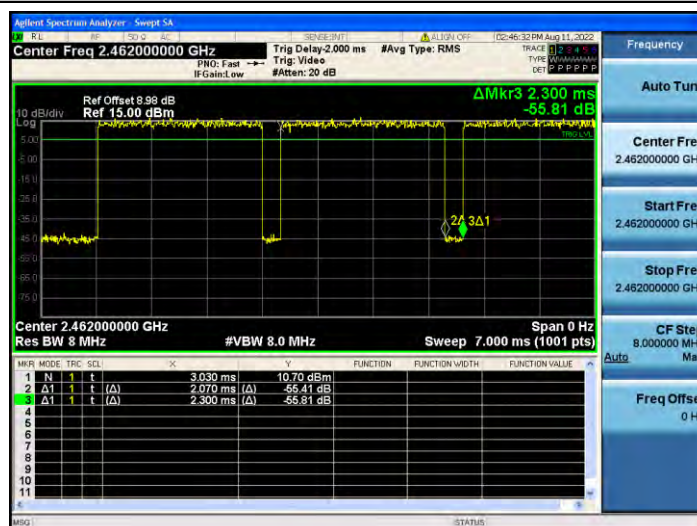
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11G_Ant2_2462



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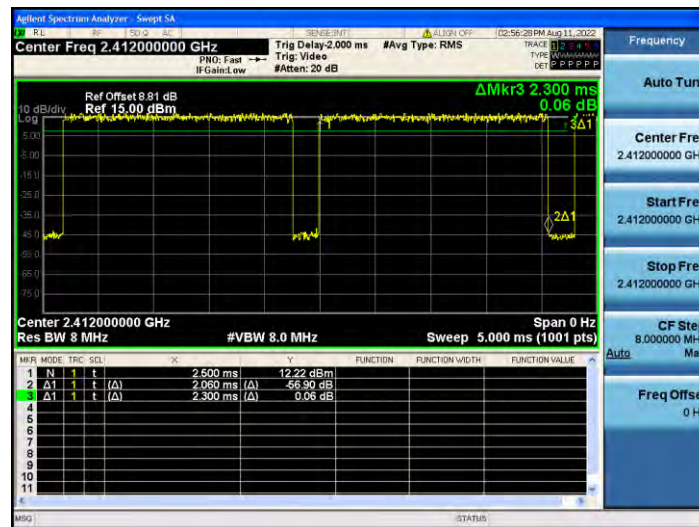


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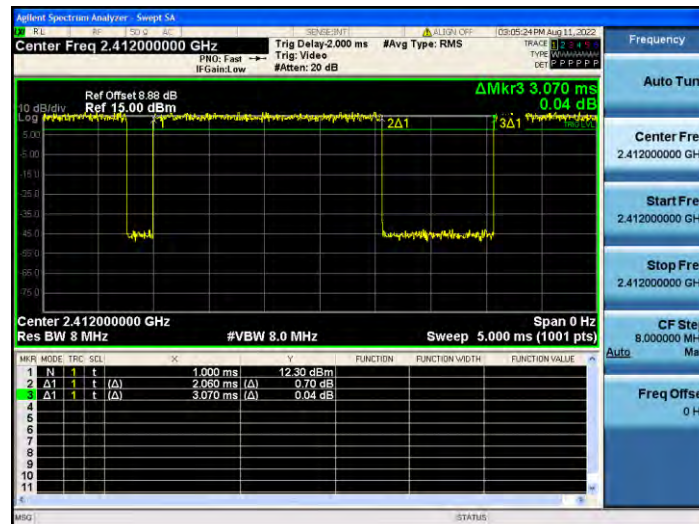
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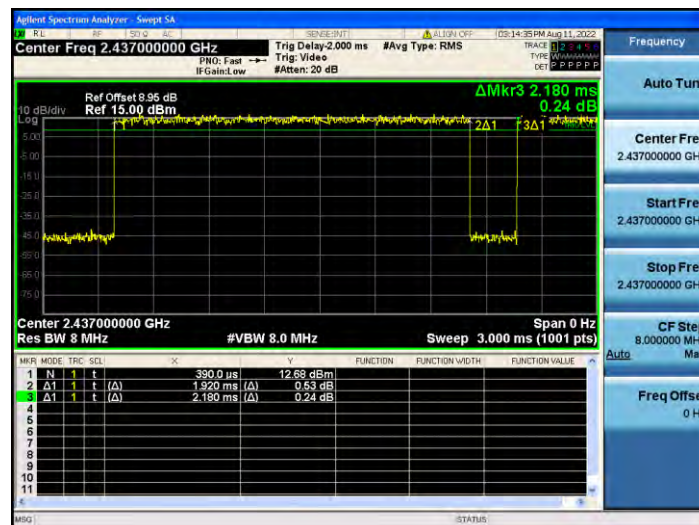
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11N20MIMO_Ant1_2437

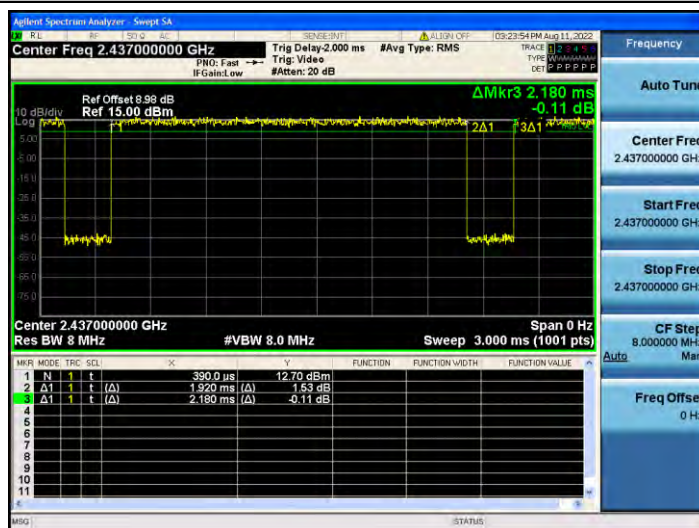


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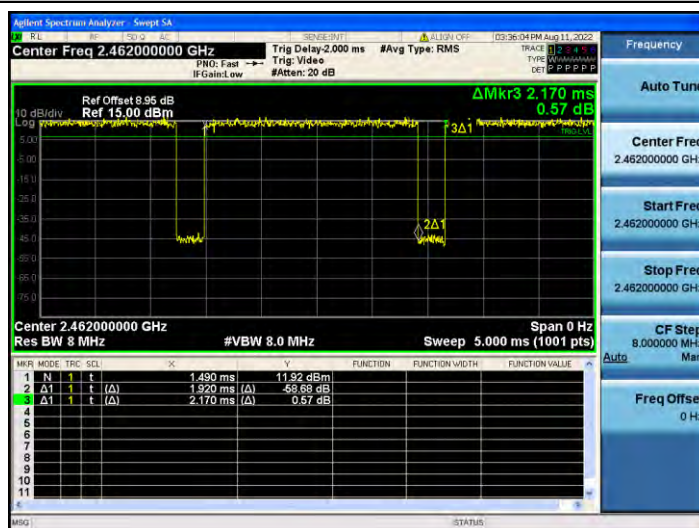
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11N20MIMO Ant2 2437



11N20MIMO Ant1 2462



11N20MIMO Ant2 2462

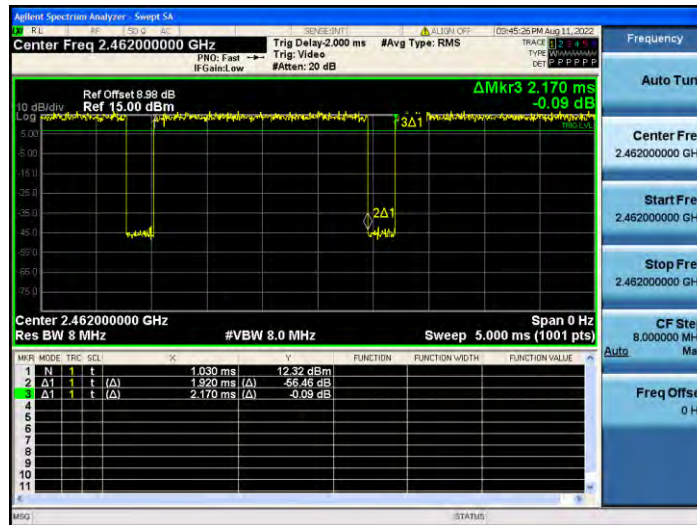


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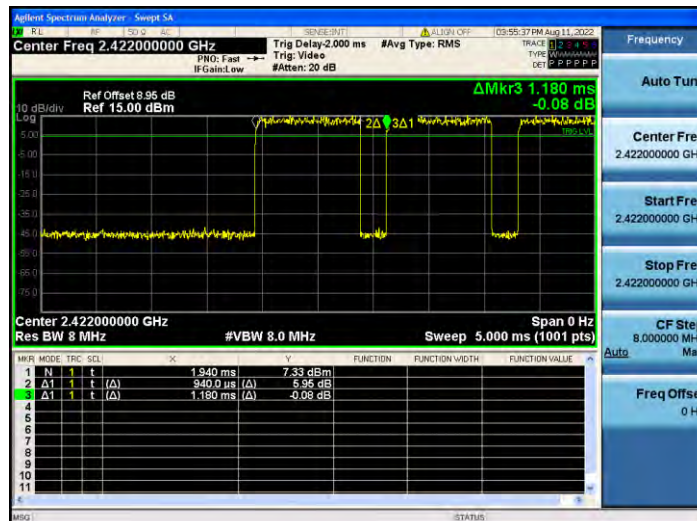
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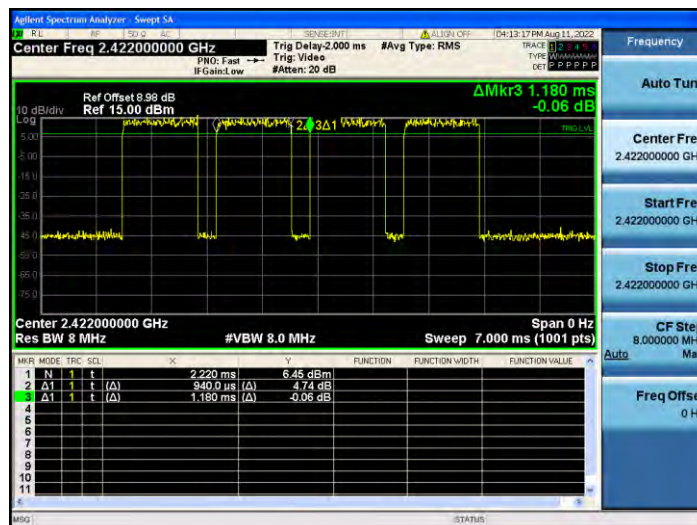
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11N40MIMO_Ant1_2422



11N40MIMO_Ant2_2422

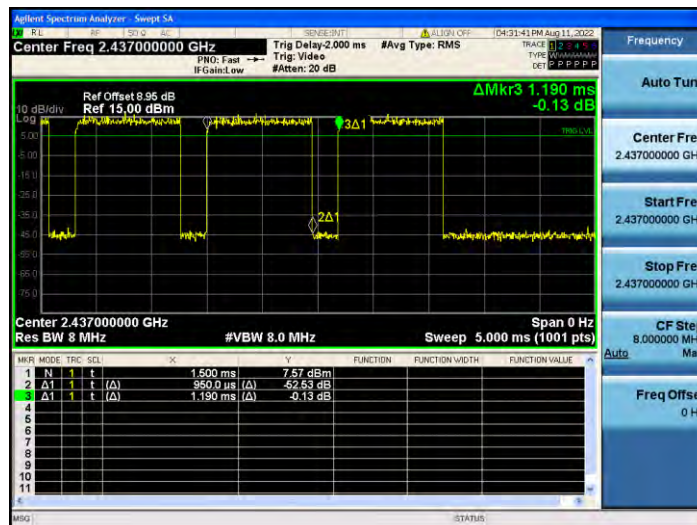


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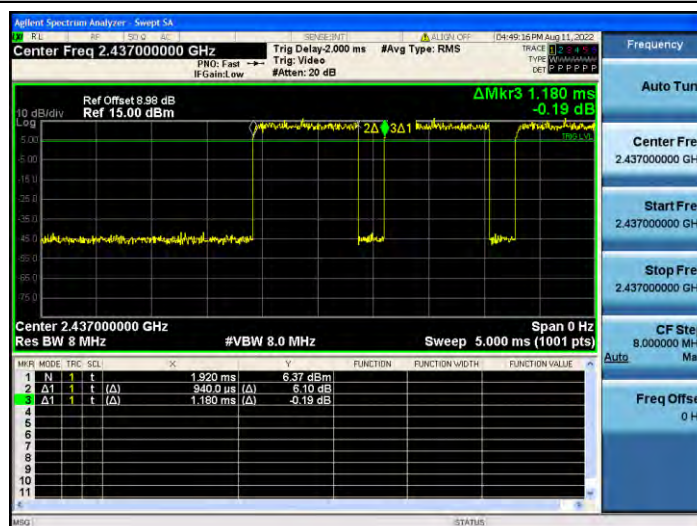
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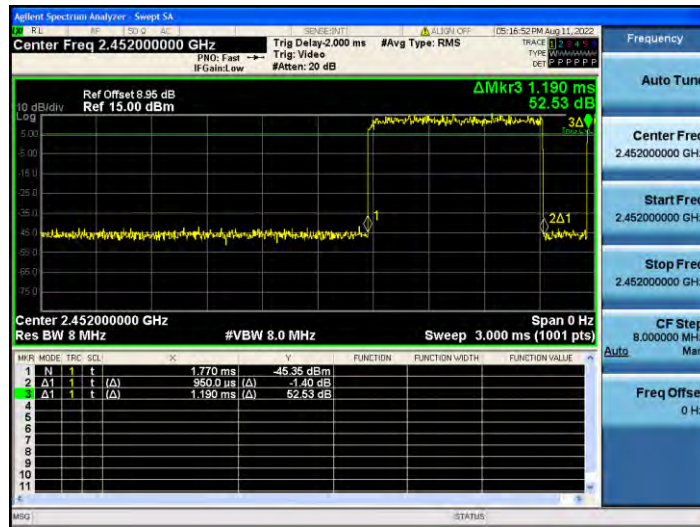


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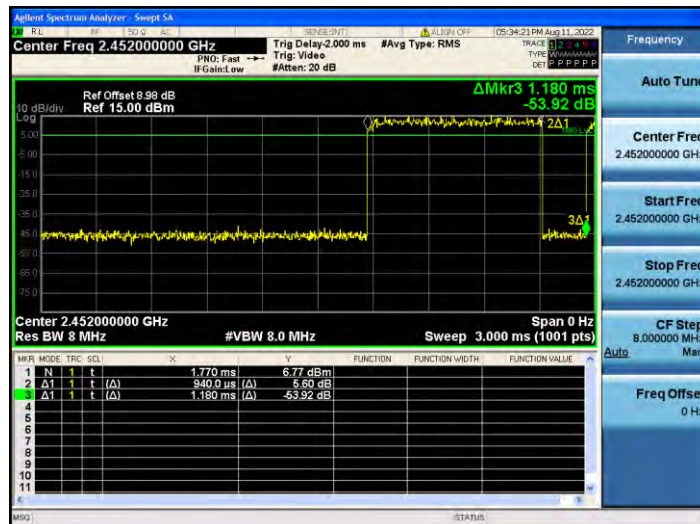
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11N40MIMO_Ant2_2452



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Appendix H: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-48.37	≤-41.20	PASS
				AV	2386.320	-45.97	≤-41.20	PASS
				AV	2390.000	-47.13	≤-41.20	PASS
				Peak	2310.000	-38.38	≤-21.20	PASS
				Peak	2386.060	-35.61	≤-21.20	PASS
				Peak	2390.000	-37.26	≤-21.20	PASS
	Ant2	Low	2412	AV	2310.000	-48.56	≤-41.20	PASS
				AV	2332.110	-46.68	≤-41.20	PASS
				AV	2390.000	-47.85	≤-41.20	PASS
				Peak	2310.000	-38.76	≤-21.20	PASS
				Peak	2331.850	-36	≤-21.20	PASS
				Peak	2390.000	-37.74	≤-21.20	PASS
	Ant1	High	2462	AV	2483.500	-47.54	≤-41.20	PASS
				AV	2487.740	-47.55	≤-41.20	PASS
				AV	2500.000	-47.77	≤-41.20	PASS
				Peak	2483.500	-38.05	≤-21.20	PASS
				Peak	2496.650	-36.48	≤-21.20	PASS
				Peak	2500.000	-38.27	≤-21.20	PASS
	Ant2	High	2462	AV	2483.500	-47.8	≤-41.20	PASS
				AV	2483.890	-47.79	≤-41.20	PASS
				AV	2500.000	-48.05	≤-41.20	PASS
				Peak	2483.500	-37.58	≤-21.20	PASS
				Peak	2485.980	-36.6	≤-21.20	PASS
				Peak	2500.000	-38.96	≤-21.20	PASS
11G	Ant1	Low	2412	AV	2310.000	-48.32	≤-41.20	PASS
				AV	2389.570	-46.88	≤-41.20	PASS
				AV	2390.000	-46.9	≤-41.20	PASS
				Peak	2310.000	-39.01	≤-21.20	PASS
				Peak	2383.590	-36.1	≤-21.20	PASS
				Peak	2390.000	-37.13	≤-21.20	PASS
	Ant2	Low	2412	AV	2310.000	-48.54	≤-41.20	PASS
				AV	2332.110	-47.02	≤-41.20	PASS
				AV	2390.000	-47.79	≤-41.20	PASS
				Peak	2310.000	-39.48	≤-21.20	PASS



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	Ant1	High	2462	Peak	2354.210	-36.31	≤-21.20	PASS
				Peak	2390.000	-37.59	≤-21.20	PASS
				AV	2483.500	-46.76	≤-41.20	PASS
				AV	2483.560	-46.82	≤-41.20	PASS
				AV	2500.000	-47.65	≤-41.20	PASS
				Peak	2483.500	-32.61	≤-21.20	PASS
				Peak	2483.560	-32.61	≤-21.20	PASS
	Ant2	High	2462	Peak	2500.000	-38.39	≤-21.20	PASS
				AV	2483.500	-47.47	≤-41.20	PASS
				AV	2483.670	-47.43	≤-41.20	PASS
				AV	2500.000	-47.98	≤-41.20	PASS
				Peak	2483.500	-37.75	≤-21.20	PASS
				Peak	2497.860	-37.29	≤-21.20	PASS
				Peak	2500.000	-37.94	≤-21.20	PASS
11N20MI MO	Ant1	Low	2412	AV	2310.000	-48.32	≤-41.20	PASS
				AV	2389.960	-46.53	≤-41.20	PASS
				AV	2390.000	-46.53	≤-41.20	PASS
				Peak	2310.000	-37.89	≤-21.20	PASS
				Peak	2389.180	-32.08	≤-21.20	PASS
				Peak	2390.000	-32.35	≤-21.20	PASS
	Ant2	Low	2412	AV	2310.000	-48.32	≤-41.20	PASS
				AV	2332.110	-45.7	≤-41.20	PASS
				AV	2390.000	-46.82	≤-41.20	PASS
				Peak	2310.000	-38.93	≤-21.20	PASS
				Peak	2389.570	-32.35	≤-21.20	PASS
				Peak	2390.000	-33.99	≤-21.20	PASS
	total	Low	2412	AV	2310.000	-45.31	≤-41.20	PASS
				AV	2332.110	-43.08	≤-41.20	PASS
				AV	2390.000	-43.66	≤-41.20	PASS
				Peak	2310.000	-35.37	≤-21.20	PASS
				Peak	2389.570	-29.20	≤-21.20	PASS
				Peak	2390.000	-30.08	≤-21.20	PASS
	Ant1	High	2462	AV	2483.500	-46.71	≤-41.20	PASS
				AV	2483.560	-46.76	≤-41.20	PASS
				AV	2500.000	-47.74	≤-41.20	PASS
				Peak	2483.500	-33.87	≤-21.20	PASS
				Peak	2483.670	-33.43	≤-21.20	PASS
				Peak	2500.000	-38.99	≤-21.20	PASS
	Ant2	High	2462	AV	2483.500	-46.5	≤-41.20	PASS



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				AV	2483.670	-46.67	≤-41.20	PASS
				AV	2500.000	-47.73	≤-41.20	PASS
				Peak	2483.500	-33.25	≤-21.20	PASS
				Peak	2483.560	-32.45	≤-21.20	PASS
				Peak	2500.000	-36.88	≤-21.20	PASS
	total	High	2462	AV	2483.500	-43.59	≤-41.20	PASS
				AV	2483.670	-43.70	≤-41.20	PASS
				AV	2500.000	-44.72	≤-41.20	PASS
				Peak	2483.500	-30.54	≤-21.20	PASS
				Peak	2483.560	-29.90	≤-21.20	PASS
				Peak	2500.000	-34.80	≤-21.20	PASS
11N40MI MO	Ant1	Low	2422	AV	2310.000	-47.99	≤-41.20	PASS
				AV	2389.830	-43.79	≤-41.20	PASS
				AV	2390.000	-44.67	≤-41.20	PASS
				Peak	2310.000	-37.64	≤-21.20	PASS
				Peak	2388.400	-28.32	≤-21.20	PASS
				Peak	2390.000	-30.85	≤-21.20	PASS
	Ant2	Low	2422	AV	2310.000	-48.3	≤-41.20	PASS
				AV	2389.830	-45.73	≤-41.20	PASS
				AV	2390.000	-45.8	≤-41.20	PASS
				Peak	2310.000	-39.13	≤-21.20	PASS
				Peak	2387.880	-32.73	≤-21.20	PASS
				Peak	2390.000	-36.16	≤-21.20	PASS
	total	Low	2422	AV	2310.000	-45.13	≤-41.20	PASS
				AV	2389.830	-41.64	≤-41.20	PASS
				AV	2390.000	-42.19	≤-41.20	PASS
				Peak	2310.000	-35.31	≤-21.20	PASS
				Peak	2387.880	-26.98	≤-21.20	PASS
				Peak	2390.000	-29.73	≤-21.20	PASS
	Ant1	High	2452	AV	2483.500	-44.5	≤-41.20	PASS
				AV	2484.550	-44.51	≤-41.20	PASS
				AV	2500.000	-47.31	≤-41.20	PASS
				Peak	2483.500	-31.71	≤-21.20	PASS
				Peak	2484.550	-31.36	≤-21.20	PASS
				Peak	2500.000	-38.41	≤-21.20	PASS
	Ant2	High	2452	AV	2483.500	-45.48	≤-41.20	PASS
				AV	2483.890	-45.29	≤-41.20	PASS
				AV	2500.000	-47.49	≤-41.20	PASS
				Peak	2483.500	-33.18	≤-21.20	PASS



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	total	High	2452	Peak	2486.530	-31.64	≤-21.20	PASS
				Peak	2500.000	-38.71	≤-21.20	PASS
				AV	2483.500	-41.95	≤-41.20	PASS
				AV	2483.890	-41.87	≤-41.20	PASS
				AV	2500.000	-44.39	≤-41.20	PASS
				Peak	2483.500	-29.37	≤-21.20	PASS
				Peak	2486.530	-28.49	≤-21.20	PASS
				Peak	2500.000	-35.55	≤-21.20	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



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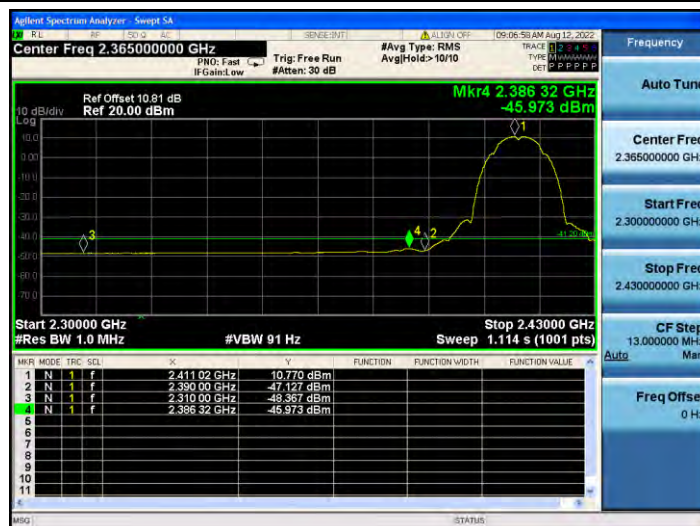
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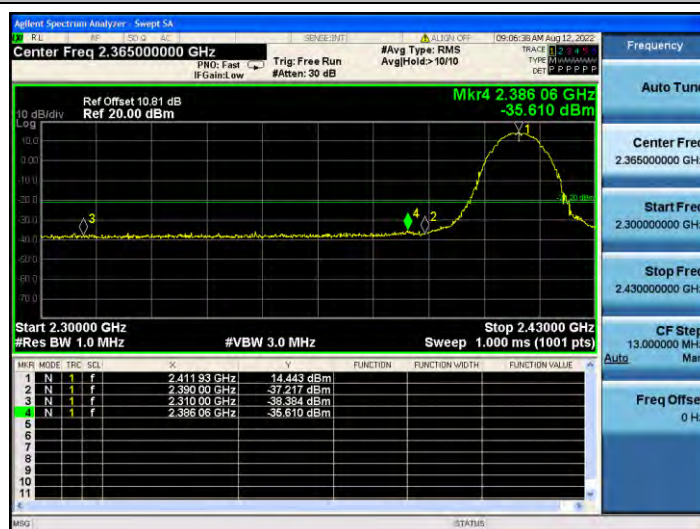
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Test Graphs

11B_Ant1_Low_2412_AV



11B_Ant1_Low_2412_Peak



11B_Ant2_Low_2412_AV

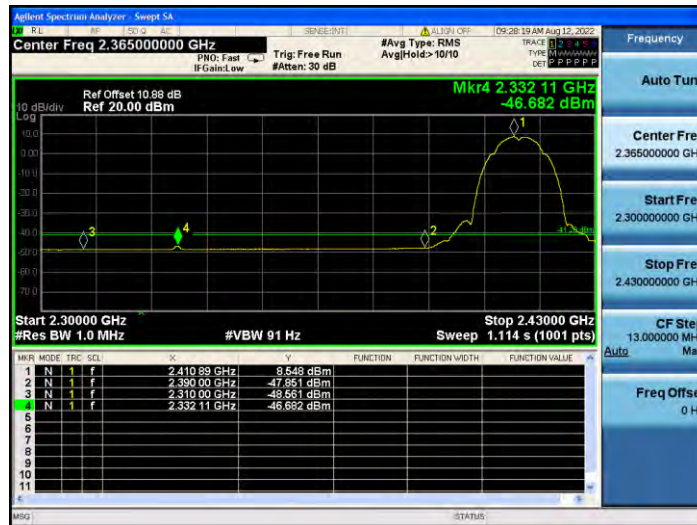


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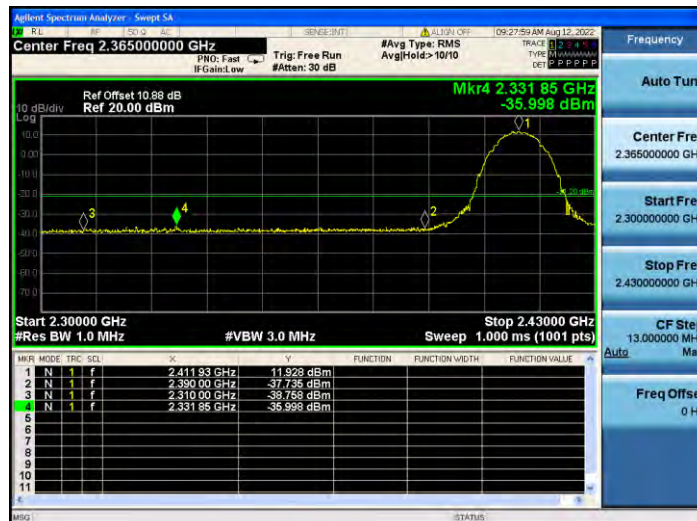
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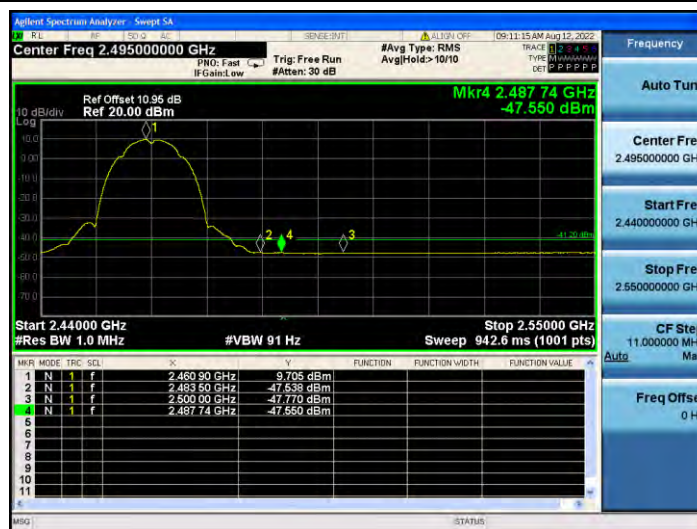
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11B_Ant2_Low_2412_Peak



11B_Ant1_High_2462_AV



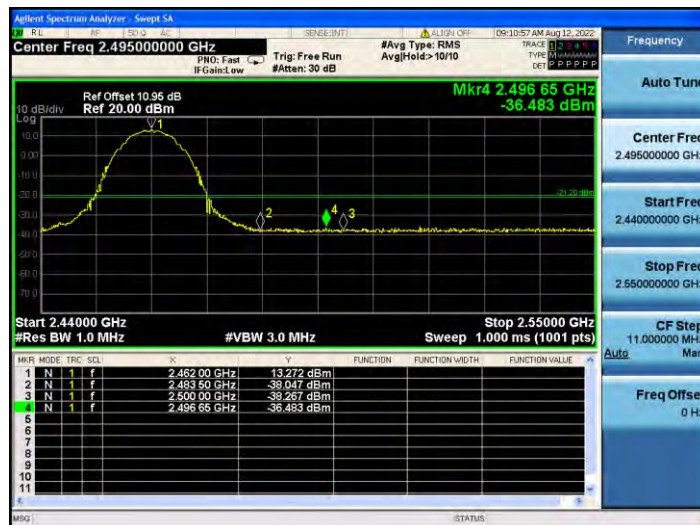
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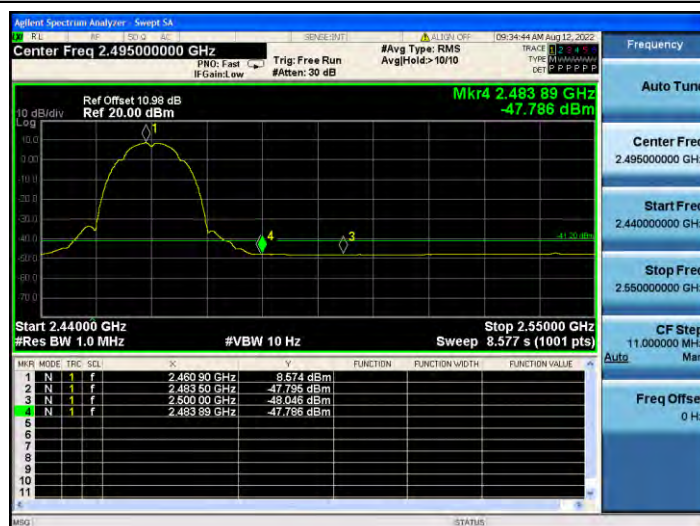
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11B_Ant1_High_2462_Peak



11B_Ant2_High_2462_AV



11B_Ant2_High_2462_Peak

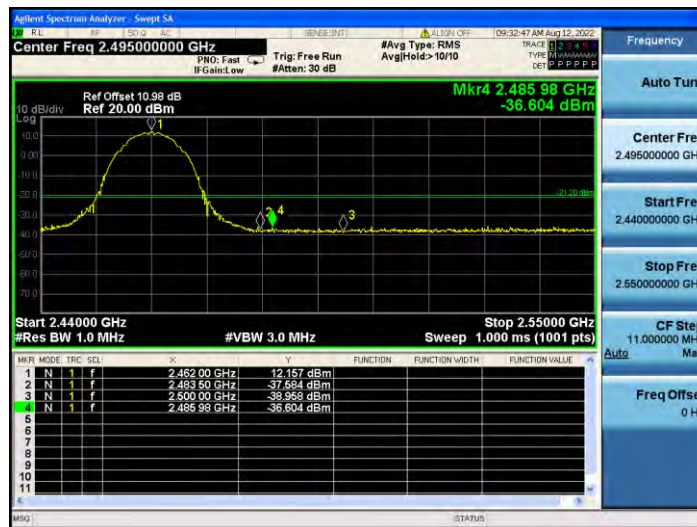


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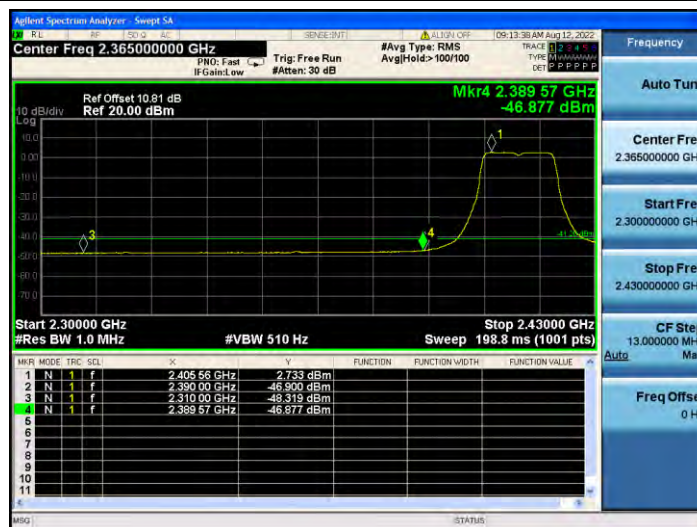
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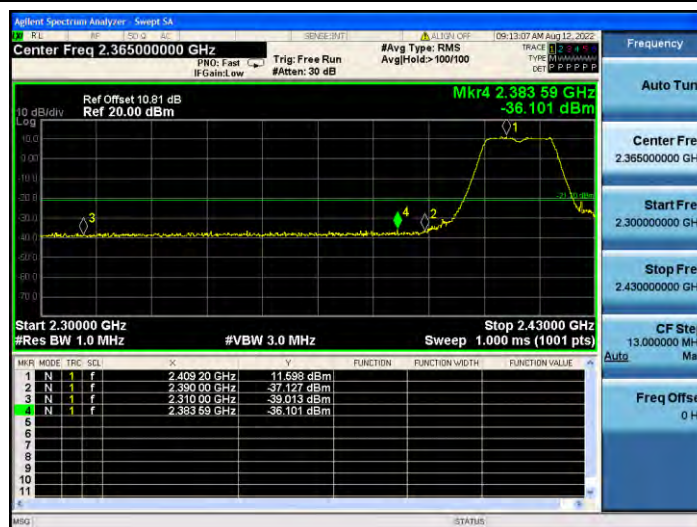
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11G_Ant1_Low_2412_AV



11G_Ant1_Low_2412_Peak



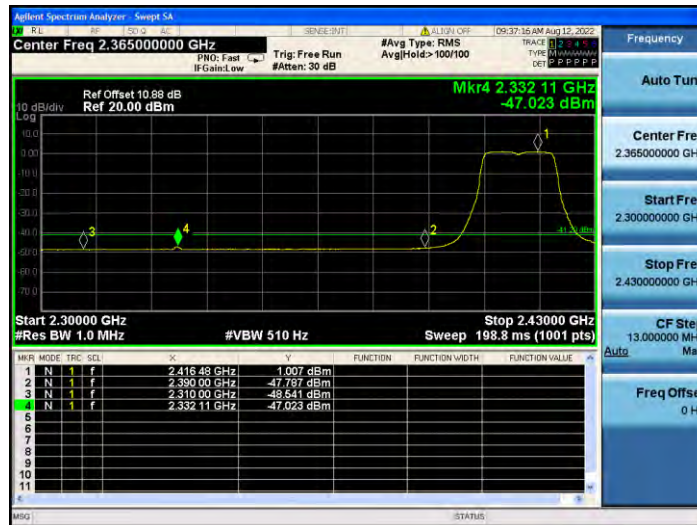
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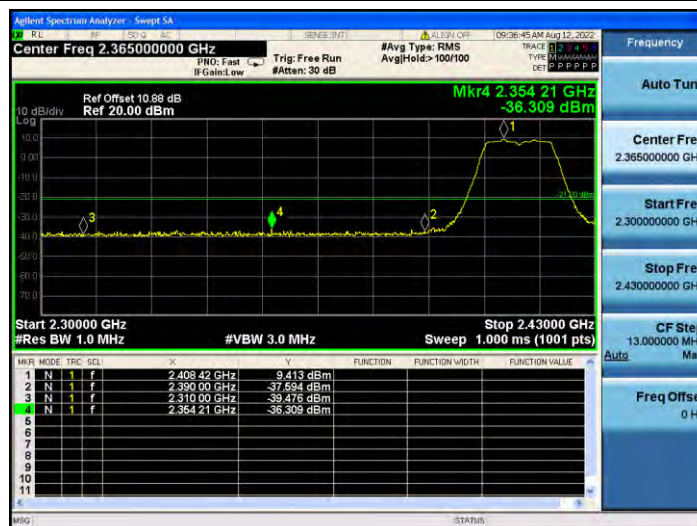
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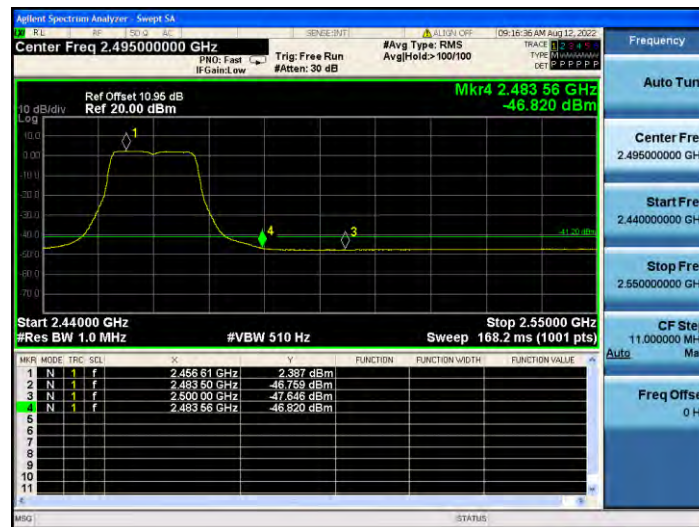


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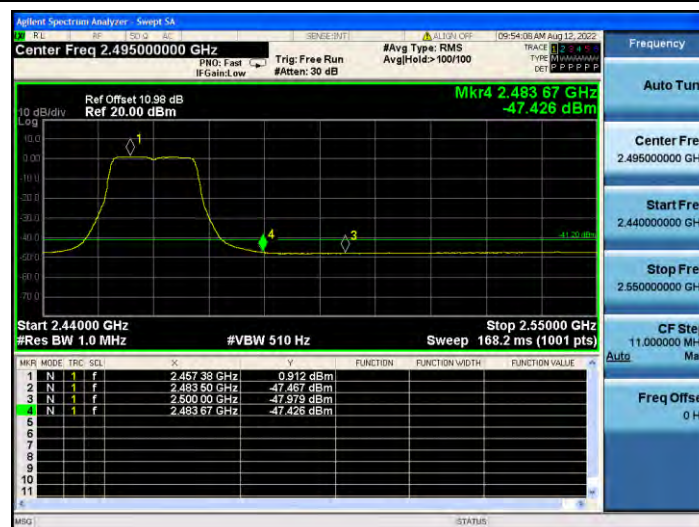
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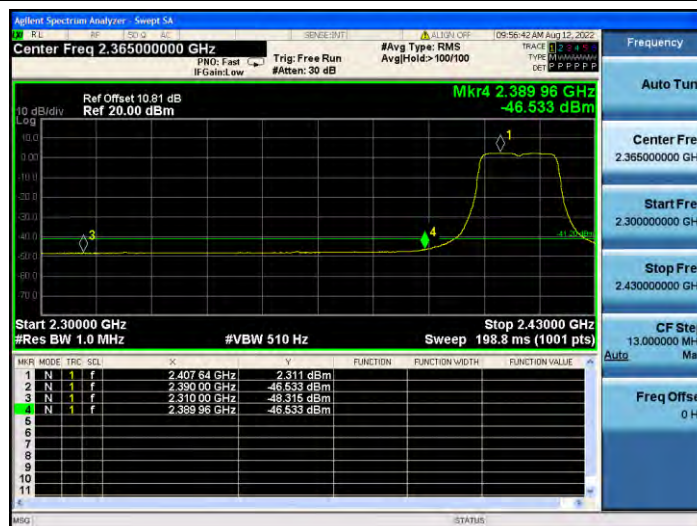
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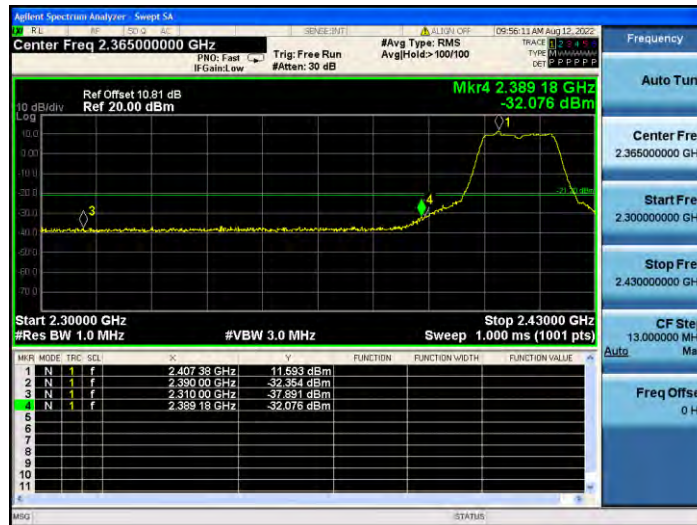


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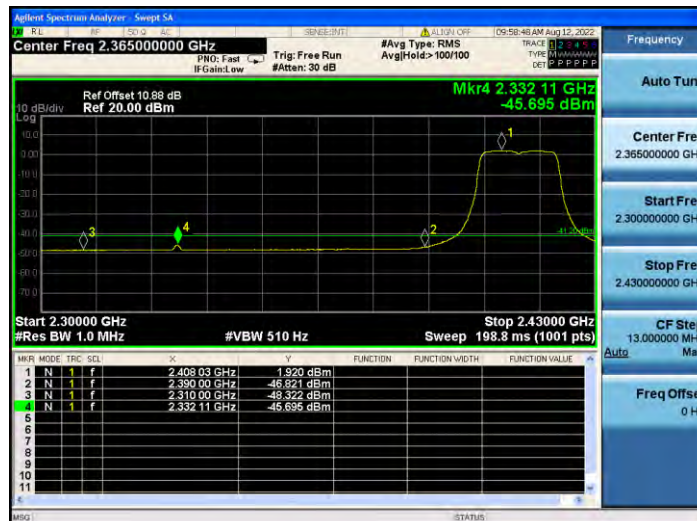
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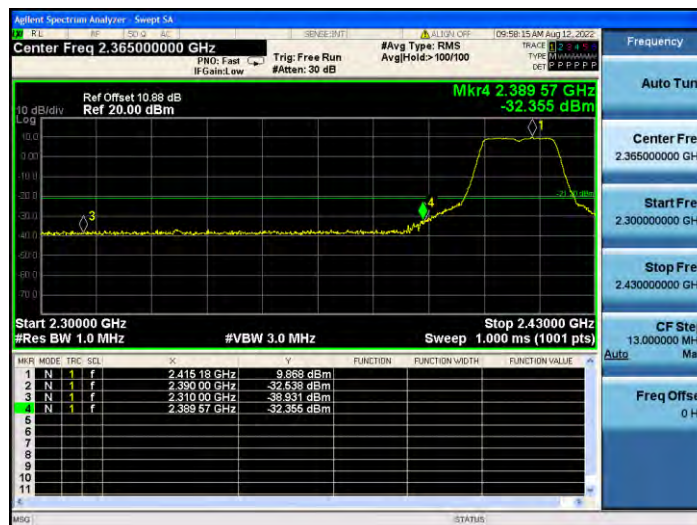
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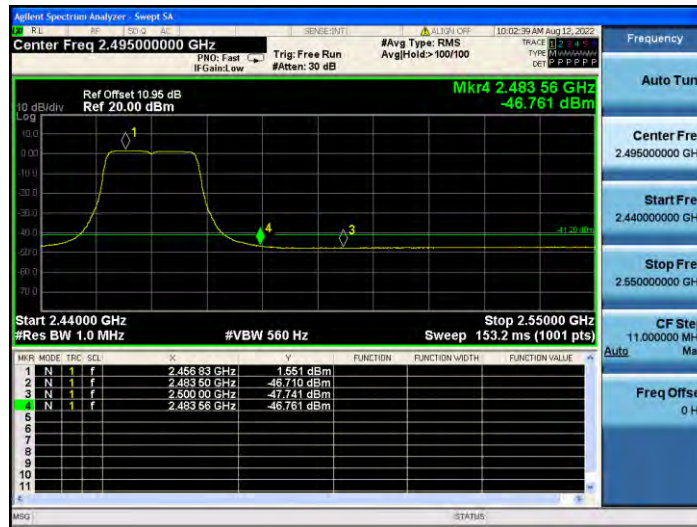


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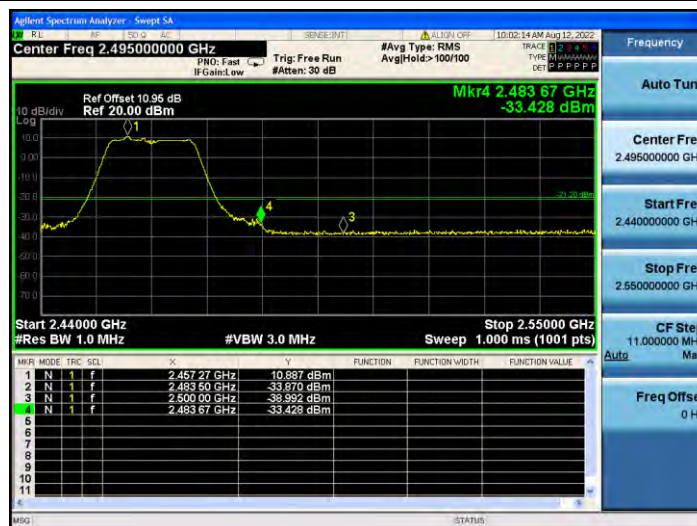
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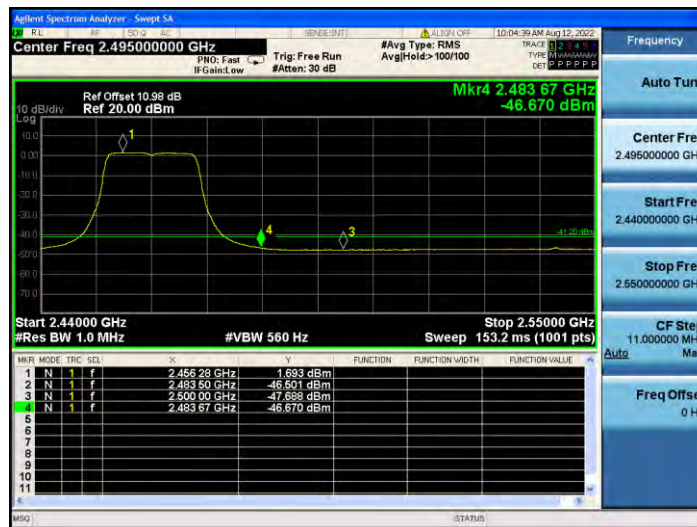


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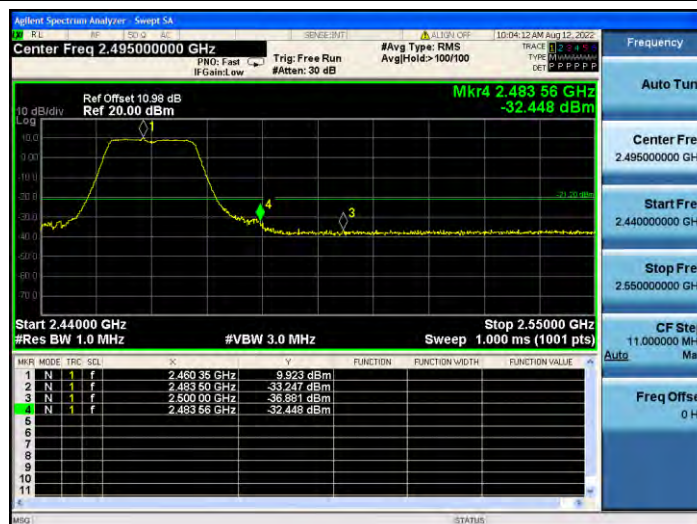
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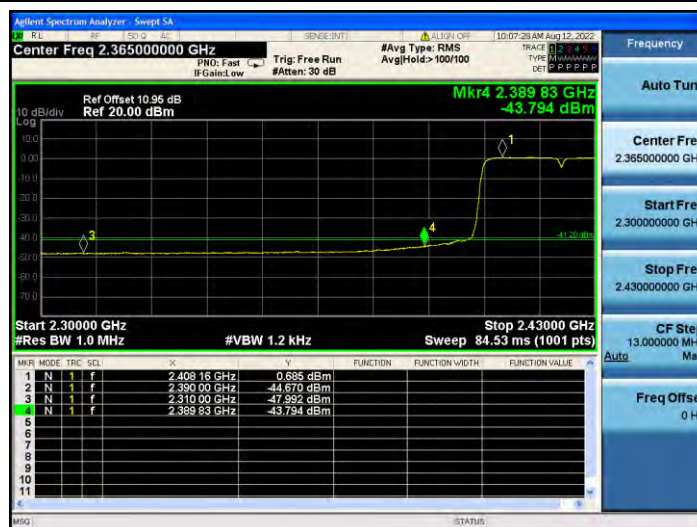
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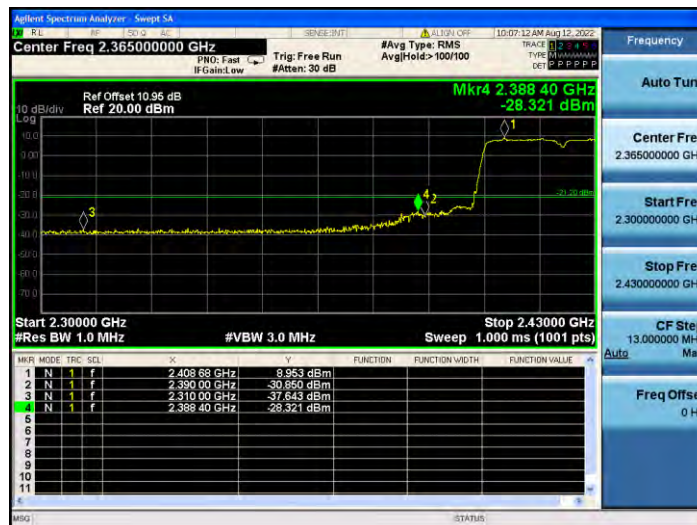
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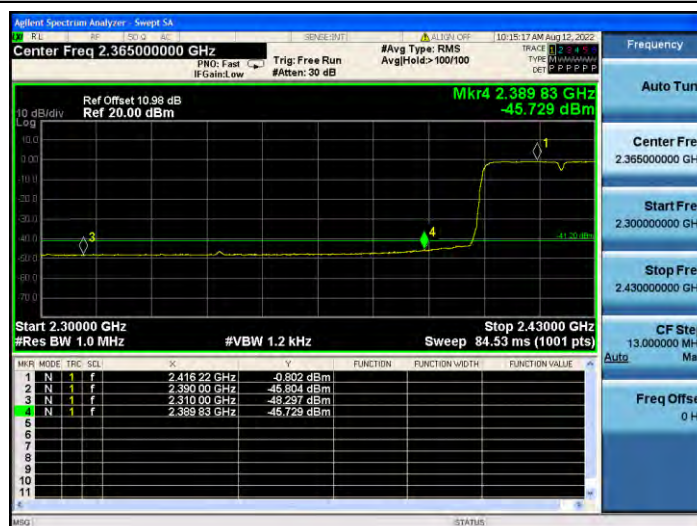
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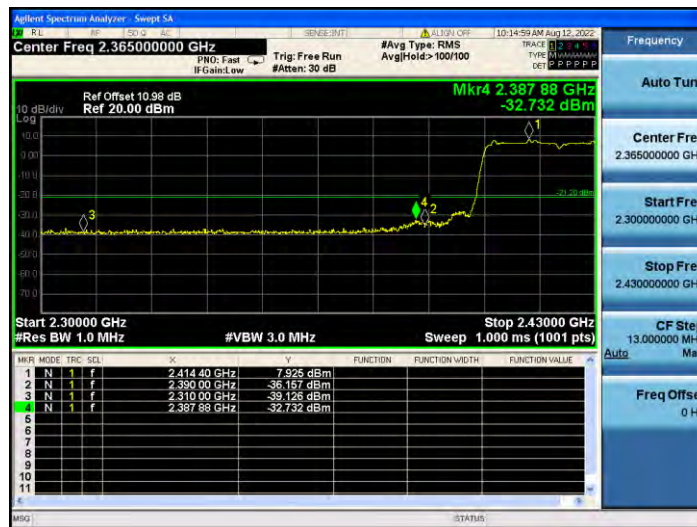


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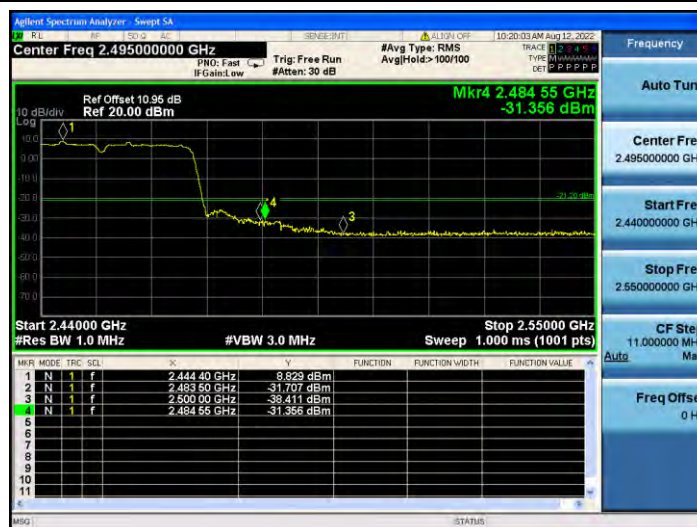
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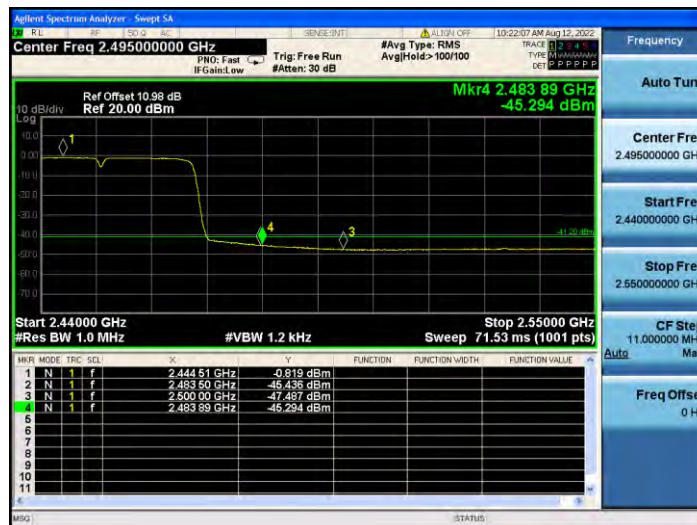
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