

FCC Appendix RF Test Data

FCC ID : 2BRGJ-WFH-800TW6

Company : Ningbo EFU Electrical Appliance Co., Ltd

EUT : infrared heater

Model Number : WFH-800TW6

Report No. : CTA25072400302

Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.560	2408.000	2416.560	0.5	PASS
		2437	9.160	2432.920	2442.080	0.5	PASS
		2462	8.600	2457.440	2466.040	0.5	PASS
11G	Ant1	2412	12.920	2407.000	2419.920	0.5	PASS
		2437	15.720	2428.840	2444.560	0.5	PASS
		2462	15.720	2454.440	2470.160	0.5	PASS
11N20SISO	Ant1	2412	13.160	2406.960	2420.120	0.5	PASS
		2437	16.160	2428.400	2444.560	0.5	PASS
		2462	15.880	2454.480	2470.360	0.5	PASS
11N40SISO	Ant1	2422	25.040	2409.520	2434.560	0.5	PASS
		2437	35.360	2419.160	2454.520	0.5	PASS
		2452	35.280	2434.480	2469.760	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



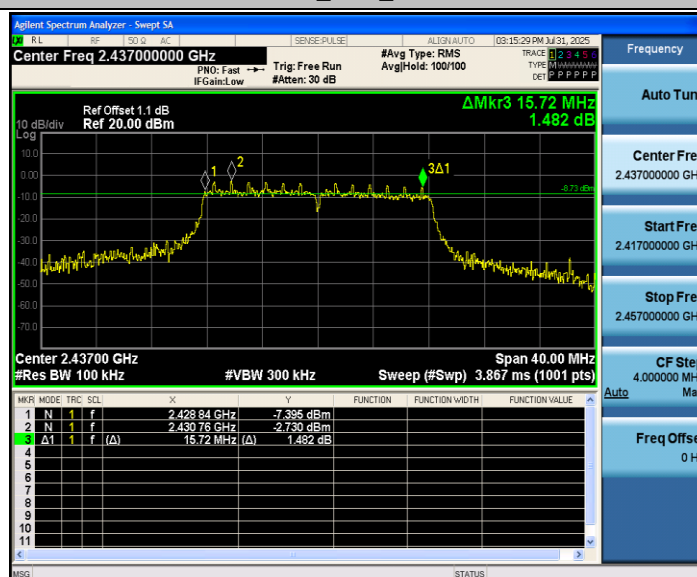
11B_Ant1_2462



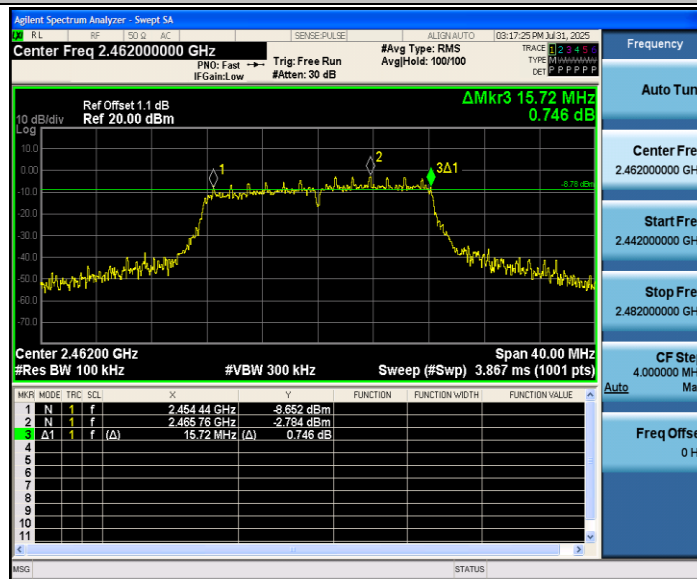
11G_Ant1_2412



11G_Ant1_2437



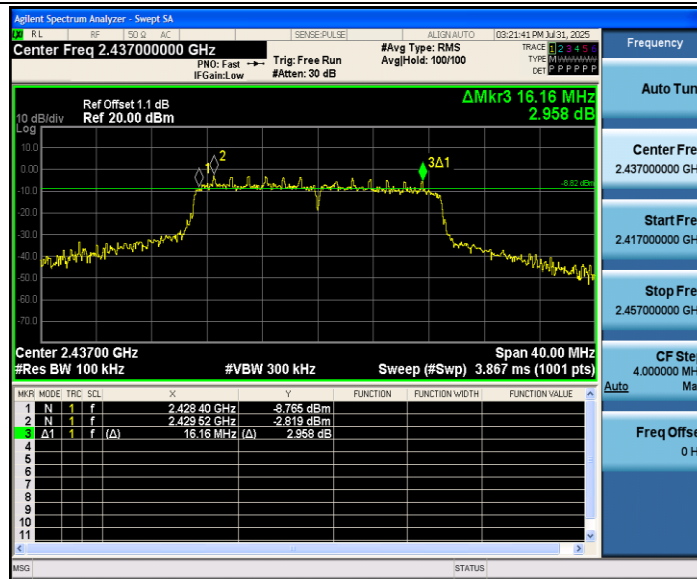
11G_Ant1_2462



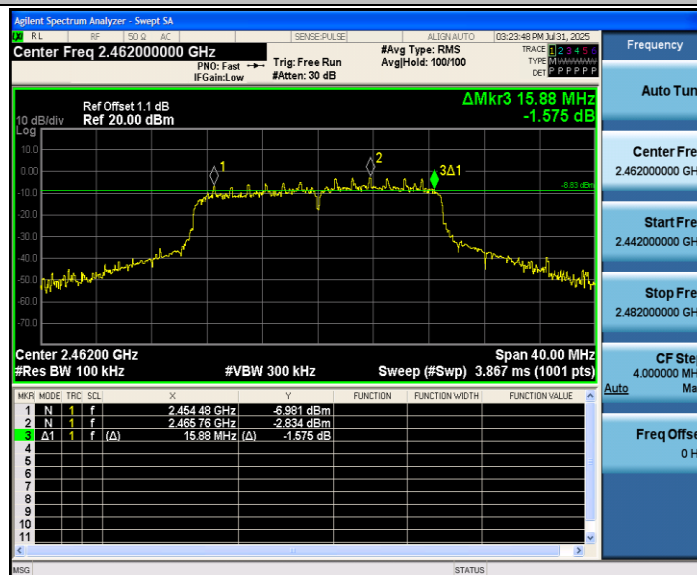
11N20SISO_Ant1_2412



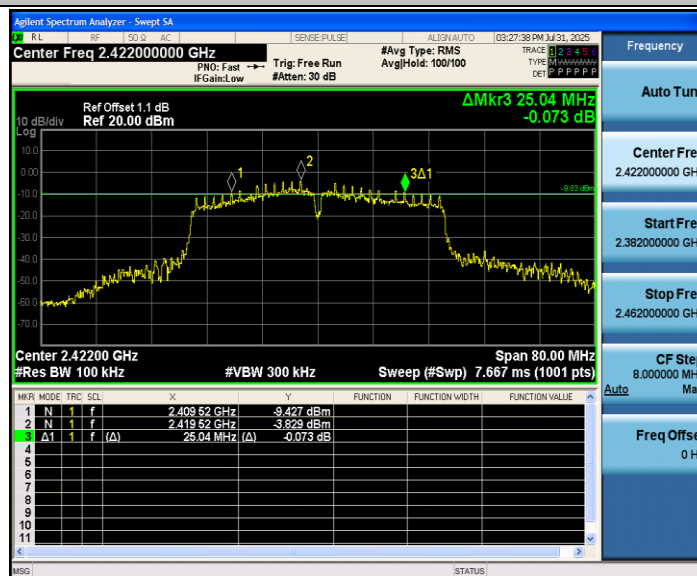
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



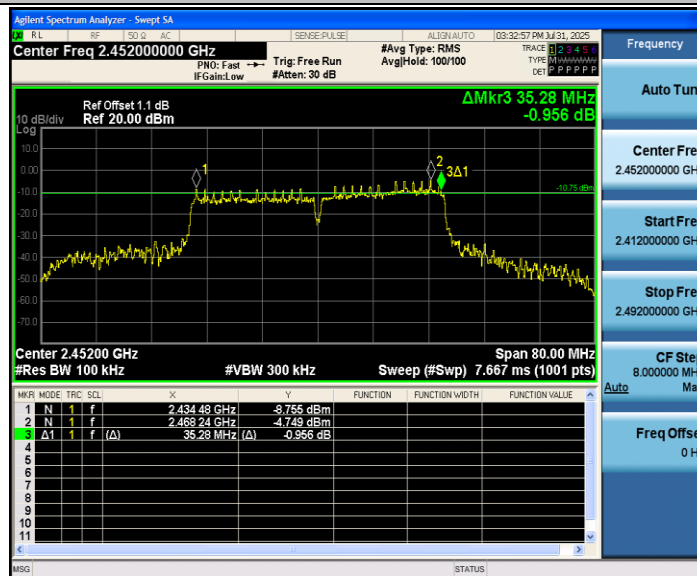
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



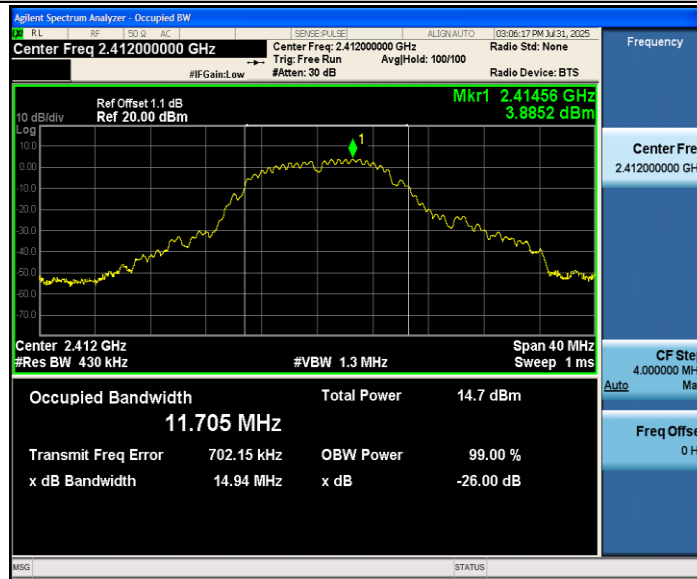
Appendix B: Occupied Channel Bandwidth

Test Result

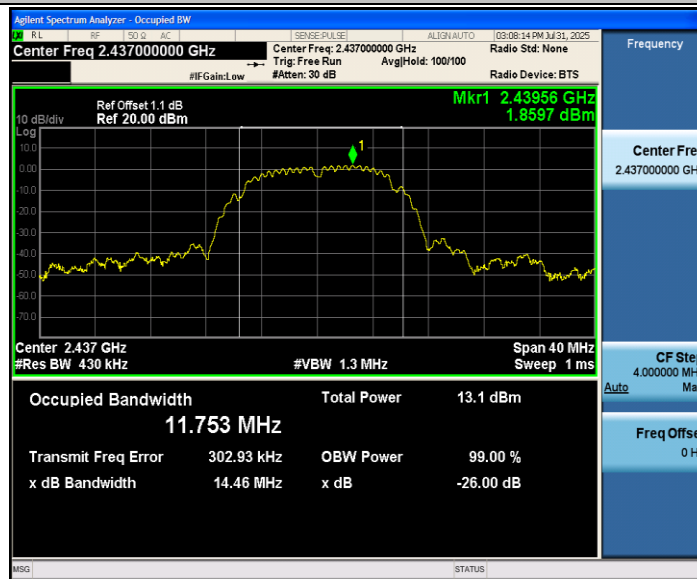
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.705	2406.8497	2418.5547	---	---
		2437	11.753	2431.4264	2443.1794	---	---
		2462	11.838	2455.9481	2467.7861	---	---
11G	Ant1	2412	16.563	2404.0710	2420.6340	---	---
		2437	16.750	2428.5320	2445.2820	---	---
		2462	16.556	2453.8768	2470.4328	---	---
11N20SISO	Ant1	2412	17.461	2403.5864	2421.0474	---	---
		2437	17.856	2427.9450	2445.8010	---	---
		2462	17.539	2453.3823	2470.9213	---	---
11N40SISO	Ant1	2422	35.435	2404.4846	2439.9196	---	---
		2437	36.618	2418.6001	2455.2181	---	---
		2452	36.565	2433.9393	2470.5043	---	---

Test Graphs

11B_Ant1_2412



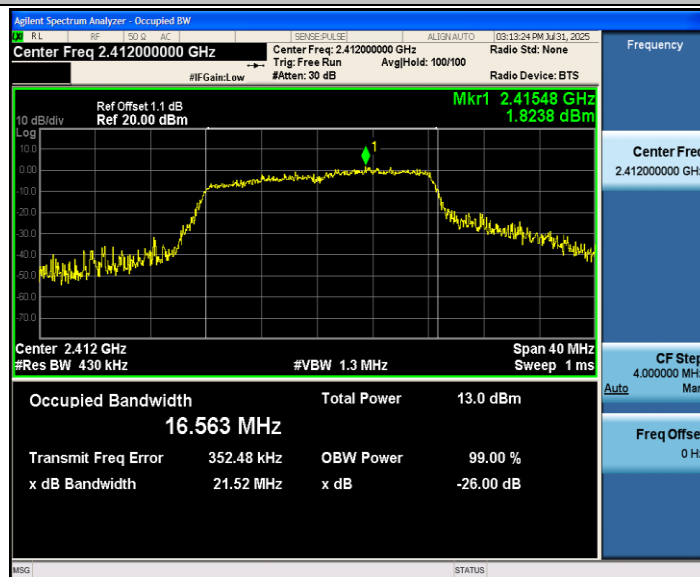
11B_Ant1_2437



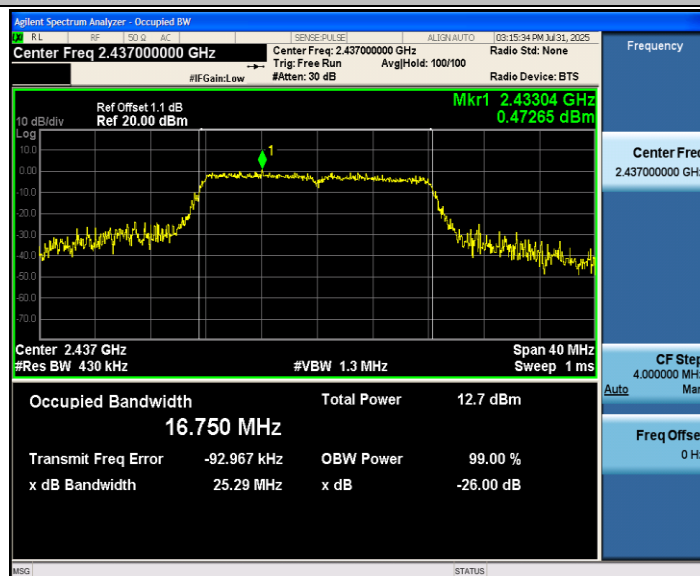
11B_Ant1_2462



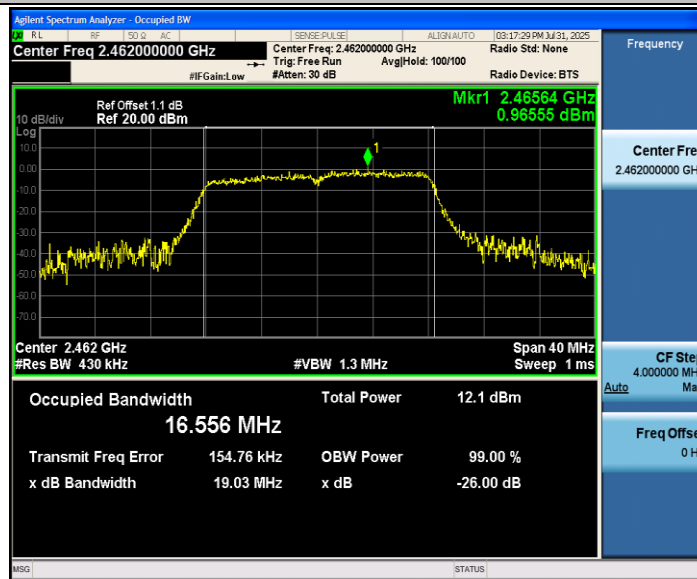
11G_Ant1_2412



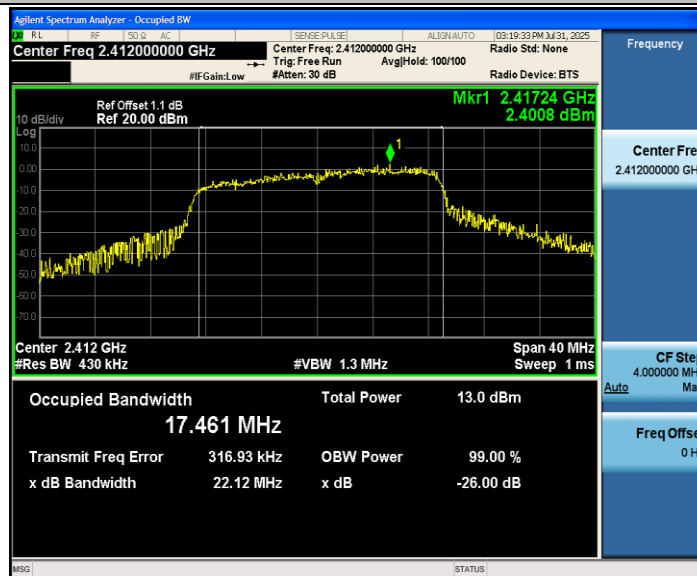
11G_Ant1_2437



11G_Ant1_2462



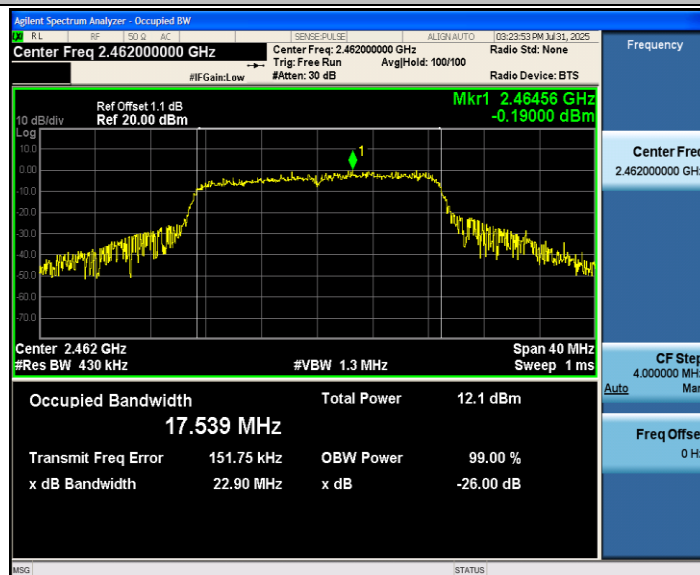
11N20SISO_Ant1_2412



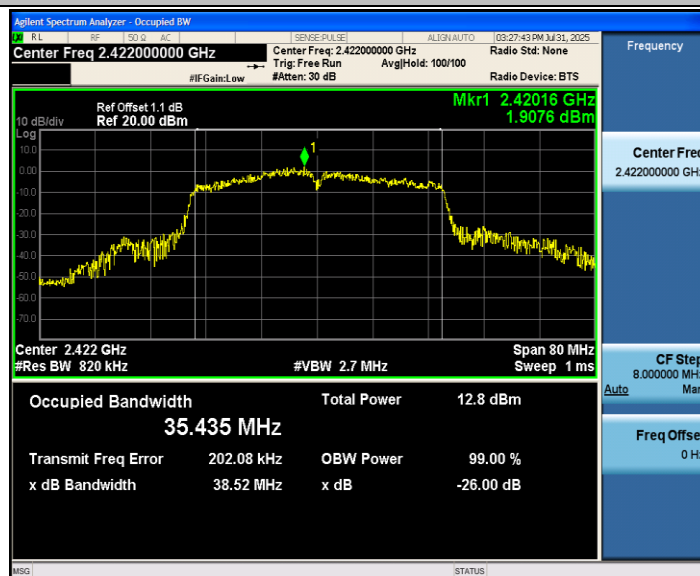
11N20SISO_Ant1_2437



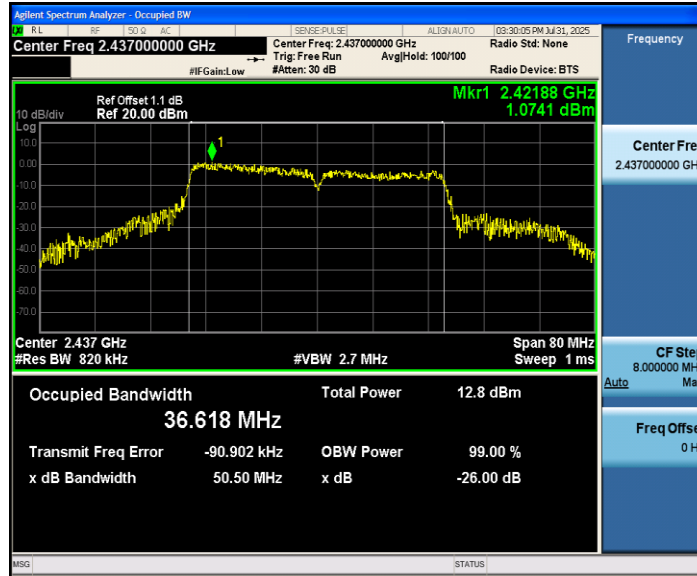
11N20SISO_Ant1_2462



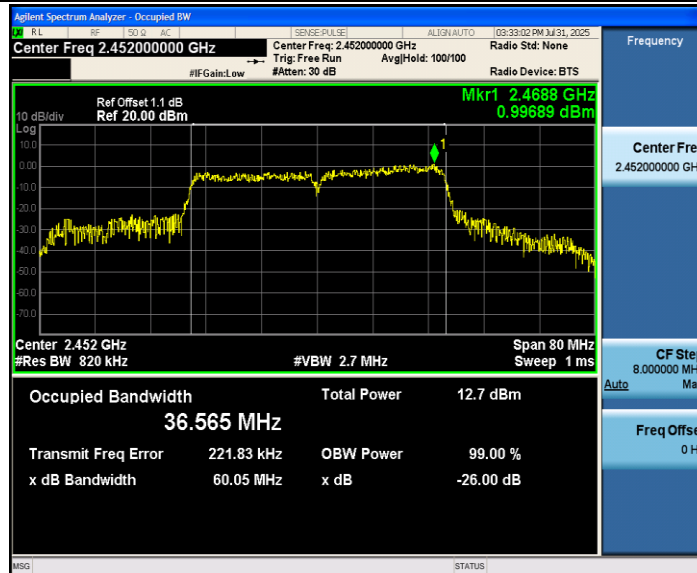
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.45	≤30.00	PASS
		2437	12.88	≤30.00	PASS
		2462	13.88	≤30.00	PASS
11G	Ant1	2412	13.30	≤30.00	PASS
		2437	13.31	≤30.00	PASS
		2462	12.95	≤30.00	PASS
11N20SISO	Ant1	2412	13.17	≤30.00	PASS
		2437	13.26	≤30.00	PASS
		2462	12.69	≤30.00	PASS
11N40SISO	Ant1	2422	12.26	≤30.00	PASS
		2437	12.85	≤30.00	PASS
		2452	12.79	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.45	≤8.00	PASS
		2437	-12.09	≤8.00	PASS
		2462	-10.96	≤8.00	PASS
11G	Ant1	2412	-17.12	≤8.00	PASS
		2437	-18.56	≤8.00	PASS
		2462	-18.84	≤8.00	PASS
11N20SISO	Ant1	2412	-16.80	≤8.00	PASS
		2437	-18.79	≤8.00	PASS
		2462	-18.69	≤8.00	PASS
11N40SISO	Ant1	2422	-19.20	≤8.00	PASS
		2437	-18.86	≤8.00	PASS
		2452	-20.48	≤8.00	PASS

Test Graphs

11B_Ant1_2412



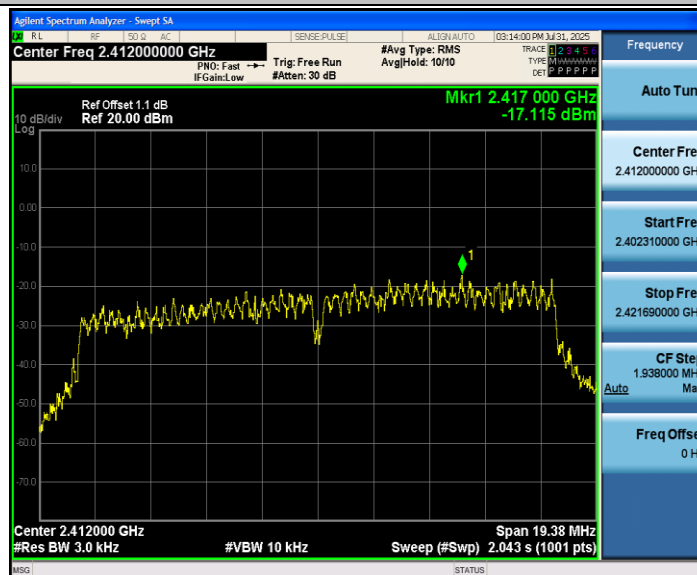
11B_Ant1_2437



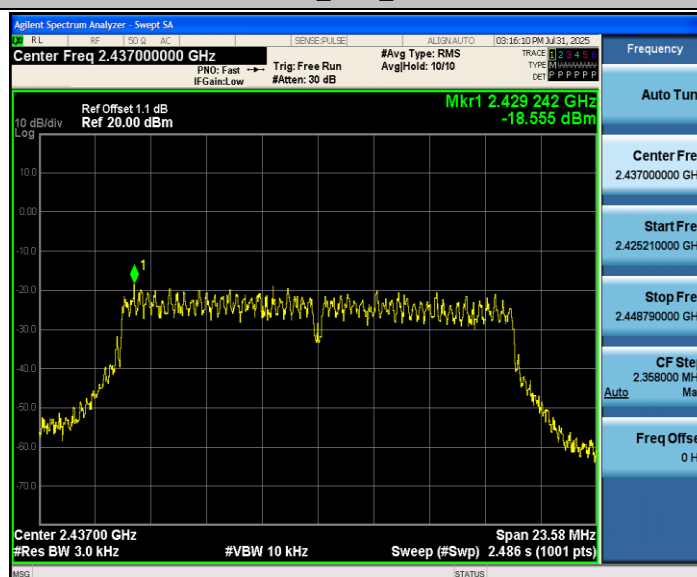
11B_Ant1_2462



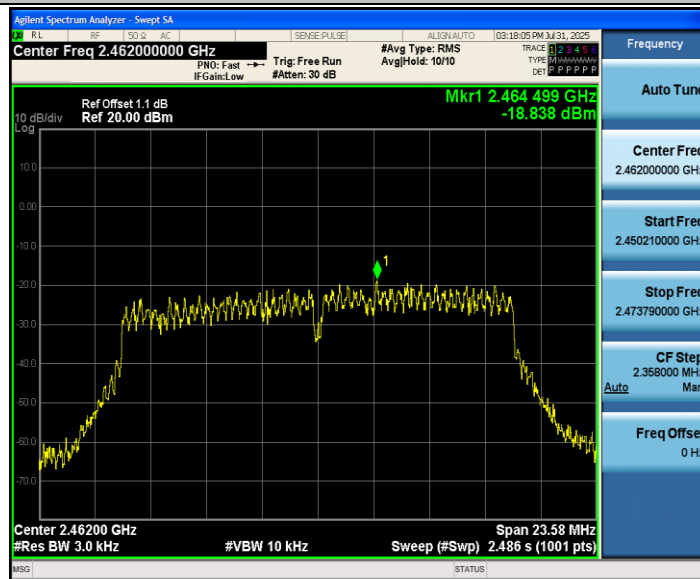
11G_Ant1_2412



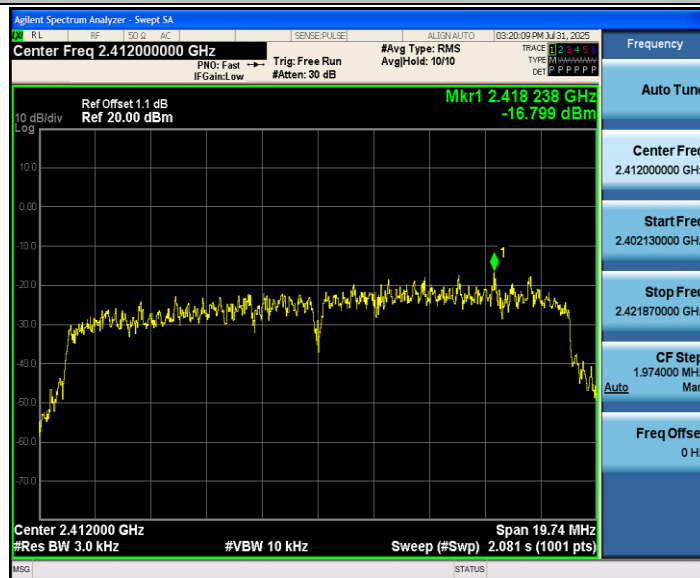
11G_Ant1_2437



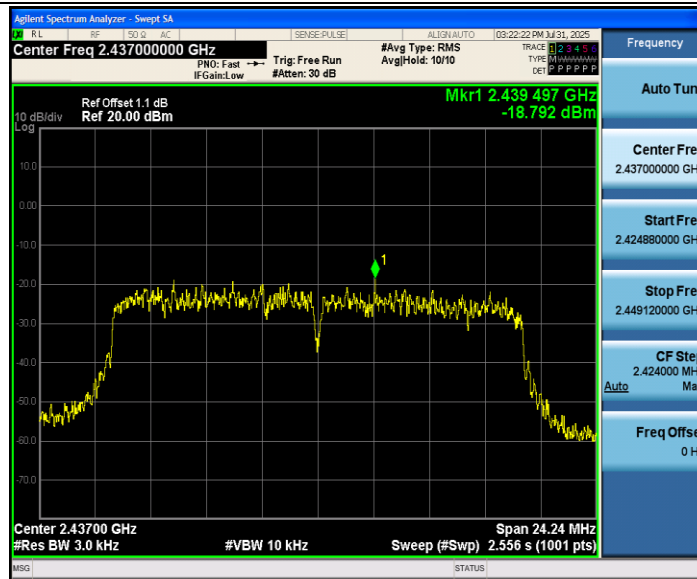
11G_Ant1_2462



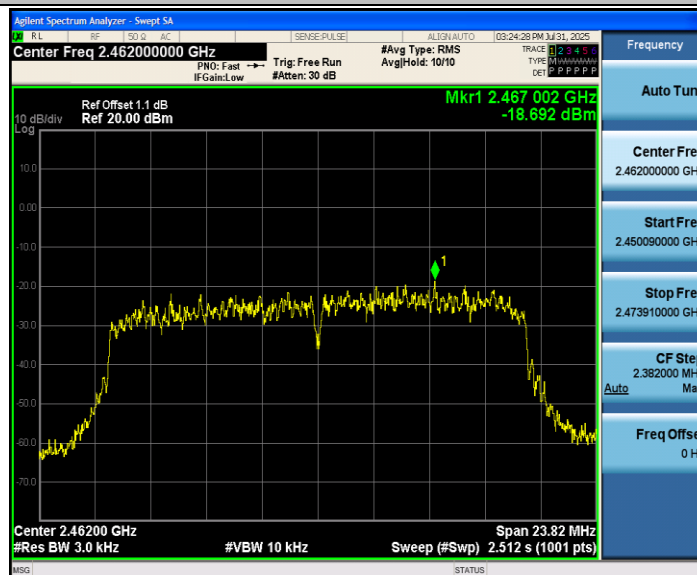
11N20SISO_Ant1_2412



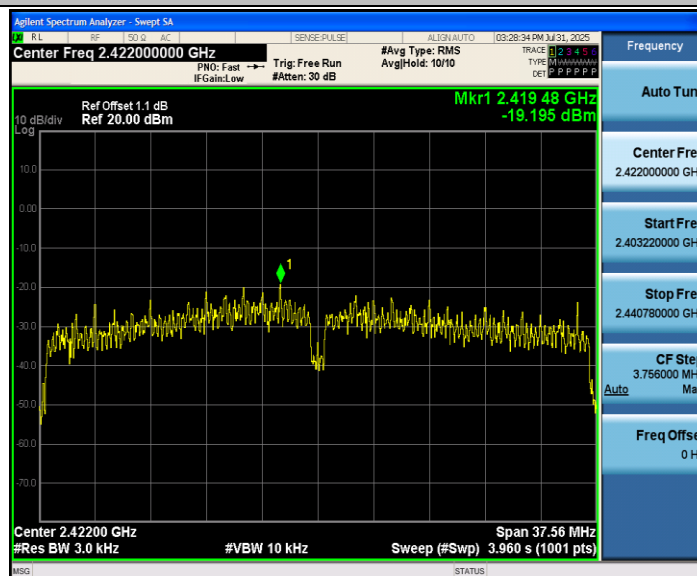
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



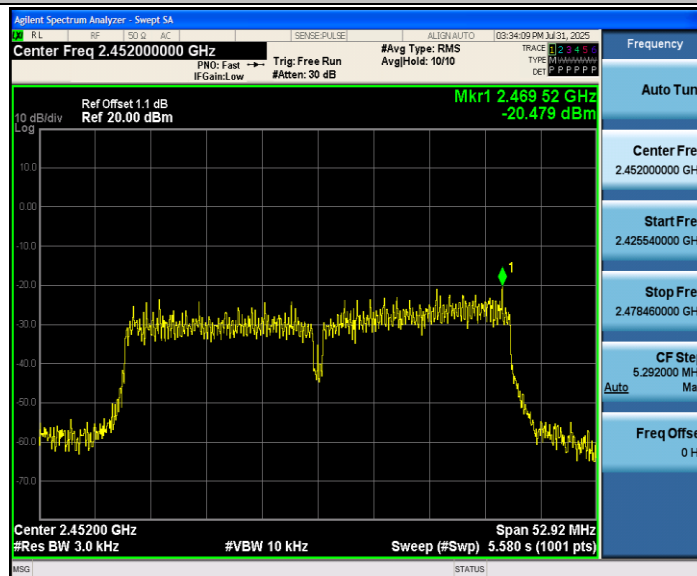
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



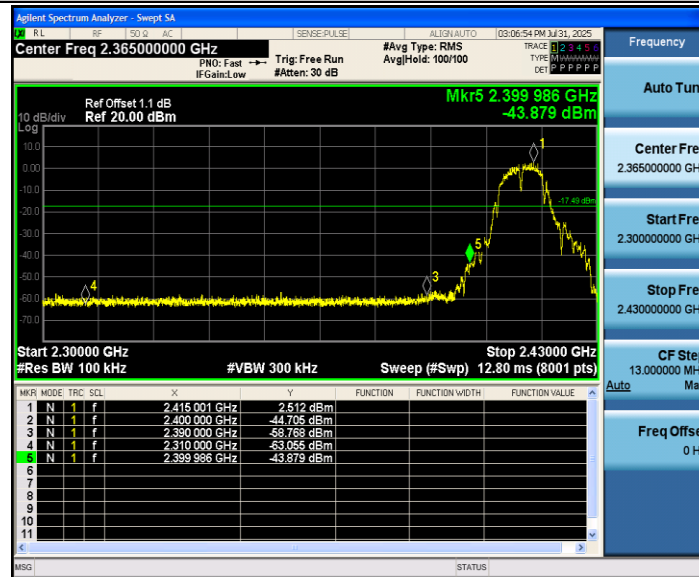
Appendix E: Band edge measurements

Test Result

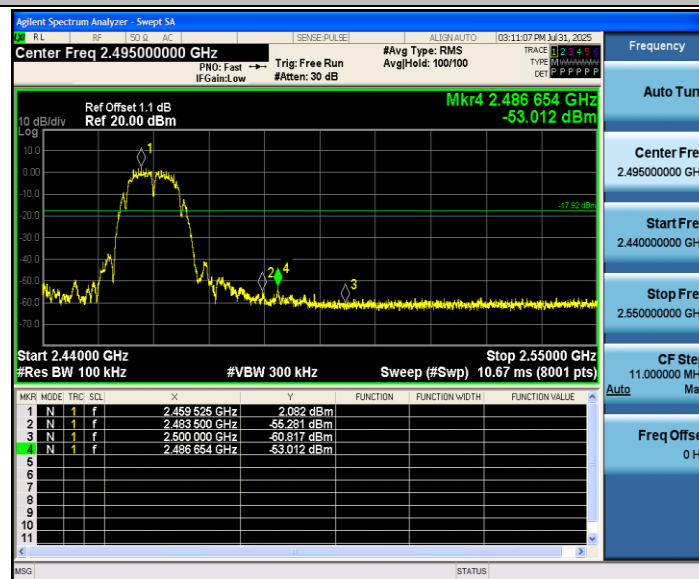
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.51	-43.88	≤-17.49	PASS
		High	2462	2.08	-53.01	≤-17.92	PASS
11G	Ant1	Low	2412	-1.45	-41.93	≤-21.45	PASS
		High	2462	-2.76	-53.4	≤-22.76	PASS
11N20SISO	Ant1	Low	2412	-1.71	-40.03	≤-21.71	PASS
		High	2462	-2.79	-49.63	≤-22.79	PASS
11N40SISO	Ant1	Low	2422	-3.68	-40.24	≤-23.68	PASS
		High	2452	-4.78	-42.09	≤-24.78	PASS

Test Graphs

11B_Ant1_Low_2412



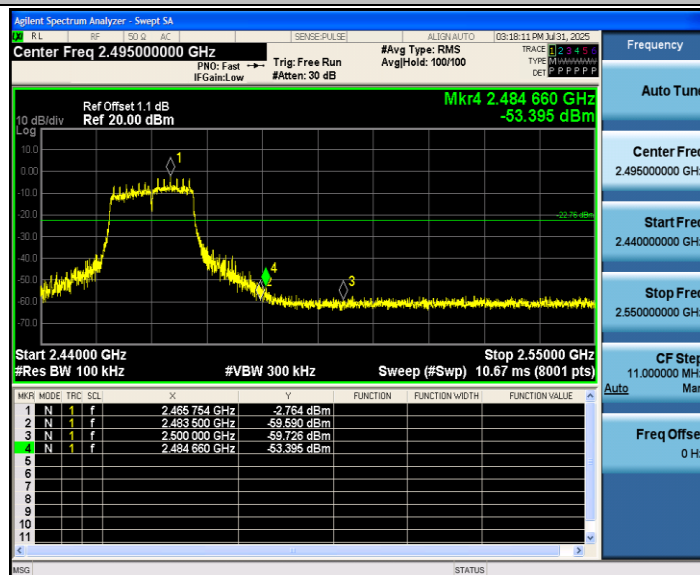
11B_Ant1_High_2462



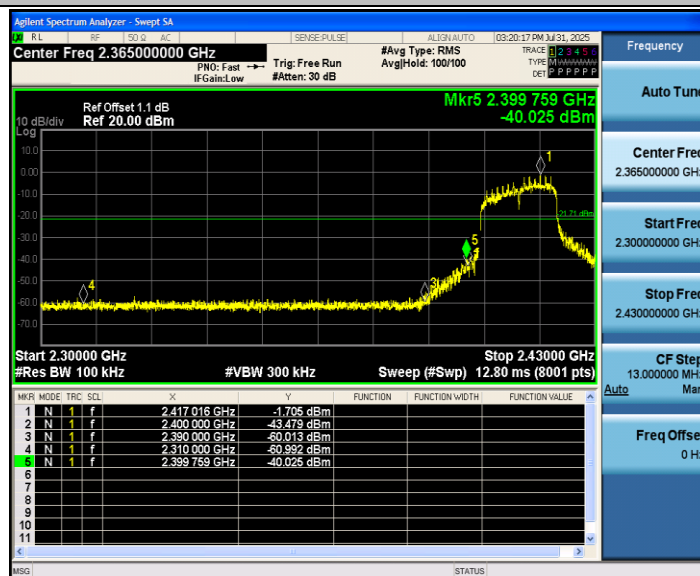
11G_Ant1_Low_2412



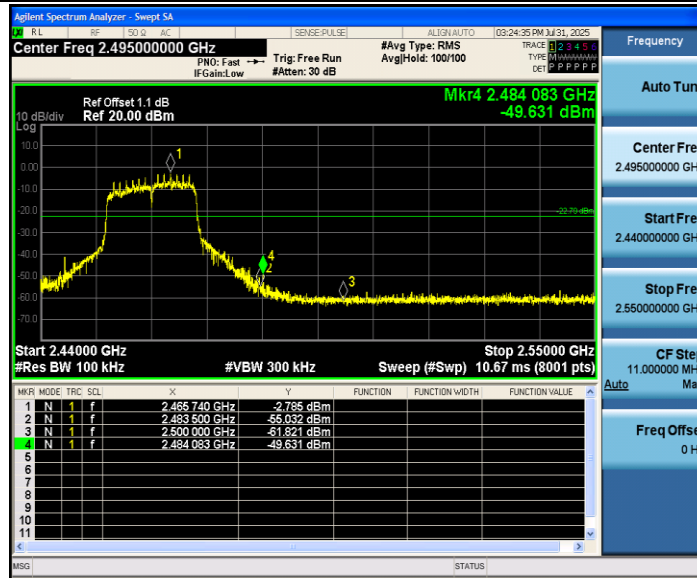
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



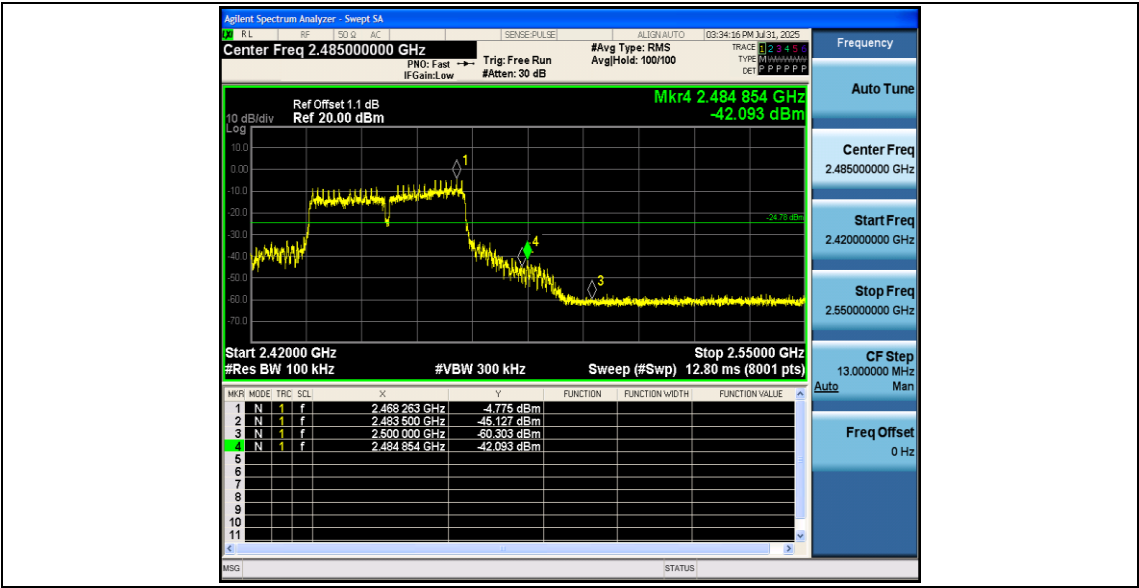
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

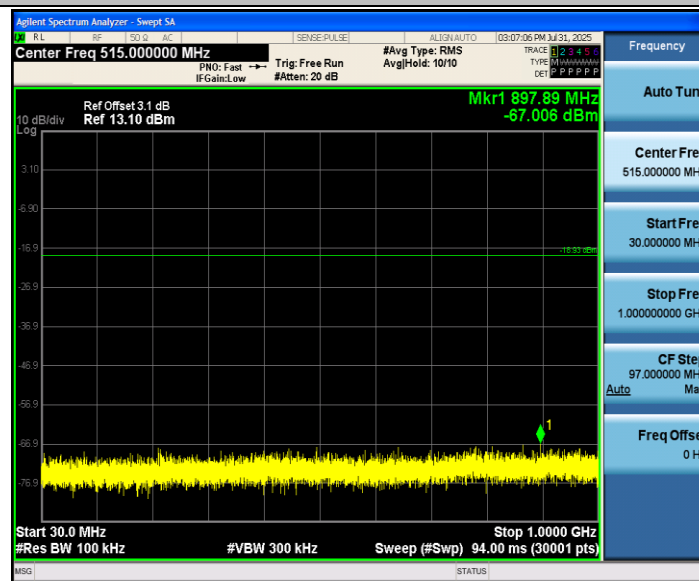
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.07	1.07	---	PASS
			30~1000	1.07	-67.01	≤-18.93	PASS
			1000~26500	1.07	-42.59	≤-18.93	PASS
		2437	Reference	-0.55	-0.55	---	PASS
			30~1000	-0.55	-67.51	≤-20.55	PASS
			1000~26500	-0.55	-42.88	≤-20.55	PASS
		2462	Reference	0.63	0.63	---	PASS
			30~1000	0.63	-67.58	≤-19.37	PASS
			1000~26500	0.63	-44.76	≤-19.37	PASS
11G	Ant1	2412	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-67.19	≤-21.31	PASS
			1000~26500	-1.31	-48.59	≤-21.31	PASS
		2437	Reference	-3.15	-3.15	---	PASS
			30~1000	-3.15	-67.72	≤-23.15	PASS
			1000~26500	-3.15	-50.26	≤-23.15	PASS
		2462	Reference	-6.39	-6.39	---	PASS
			30~1000	-6.39	-67	≤-26.39	PASS
			1000~26500	-6.39	-51.03	≤-26.39	PASS
11N20SISO	Ant1	2412	Reference	-1.85	-1.85	---	PASS
			30~1000	-1.85	-67.11	≤-21.85	PASS
			1000~26500	-1.85	-50.16	≤-21.85	PASS
		2437	Reference	-3.34	-3.34	---	PASS
			30~1000	-3.34	-67.14	≤-23.34	PASS
			1000~26500	-3.34	-53.39	≤-23.34	PASS
		2462	Reference	-3.13	-3.13	---	PASS
			30~1000	-3.13	-67.38	≤-23.13	PASS
			1000~26500	-3.13	-49.1	≤-23.13	PASS
11N40SISO	Ant1	2422	Reference	-3.80	-3.80	---	PASS
			30~1000	-3.80	-66.57	≤-23.8	PASS
			1000~26500	-3.80	-44.74	≤-23.8	PASS
		2437	Reference	-4.12	-4.12	---	PASS
			30~1000	-4.12	-67.36	≤-24.12	PASS
			1000~26500	-4.12	-43.64	≤-24.12	PASS
		2452	Reference	-4.85	-4.85	---	PASS
			30~1000	-4.85	-66.3	≤-24.85	PASS
			1000~26500	-4.85	-46.68	≤-24.85	PASS

Test Graphs

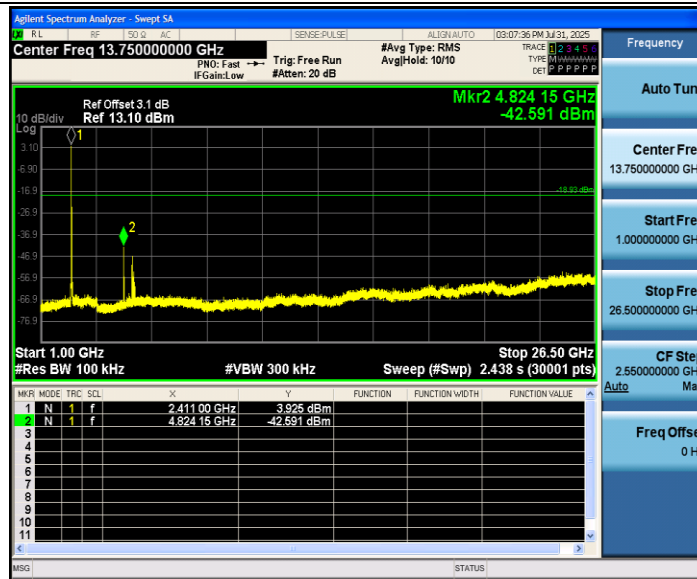
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



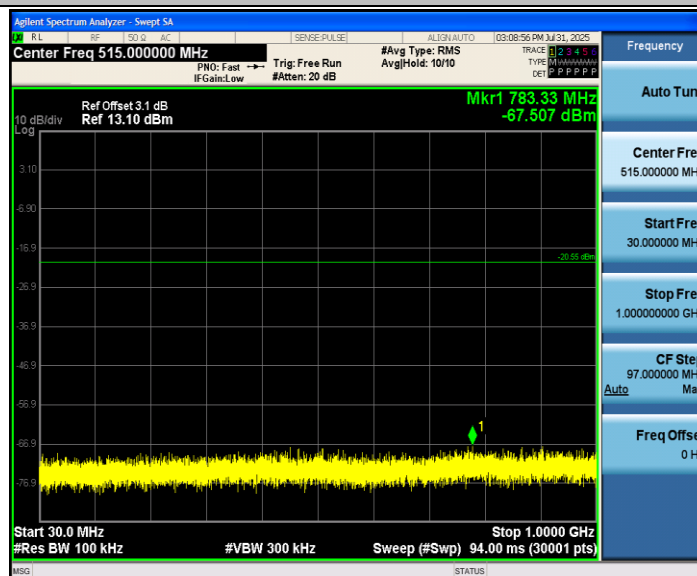
11B_Ant1_2412_1000~26500



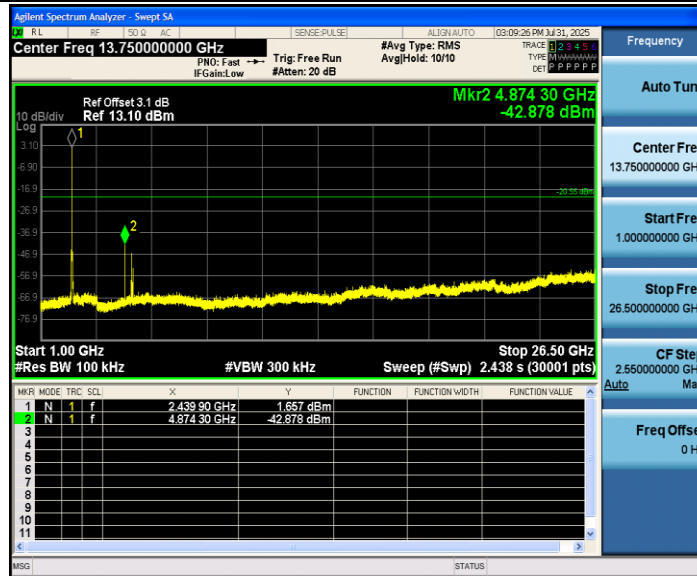
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



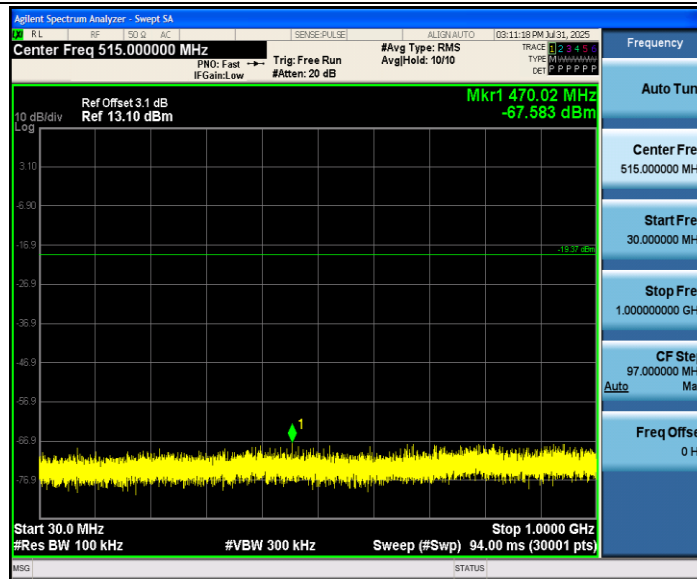
11B_Ant1_2437_1000~26500



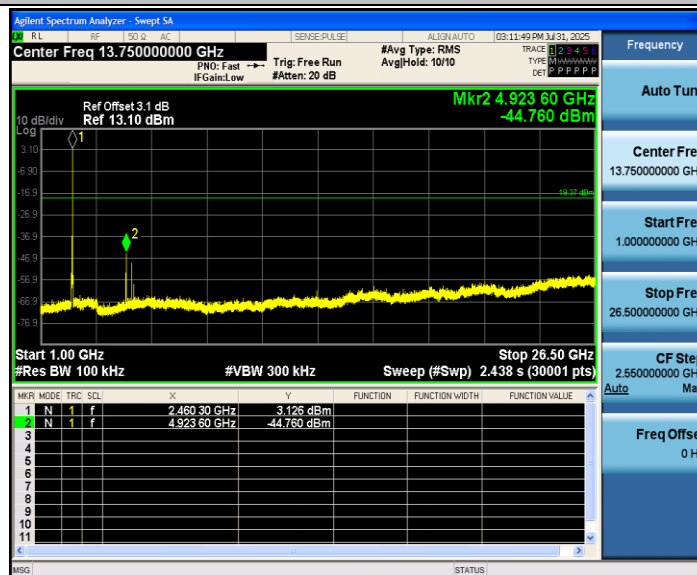
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



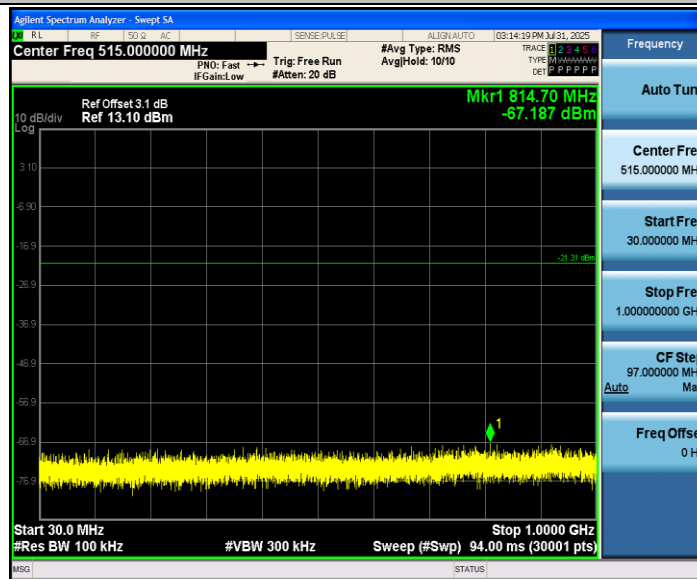
11B_Ant1_2462_1000~26500



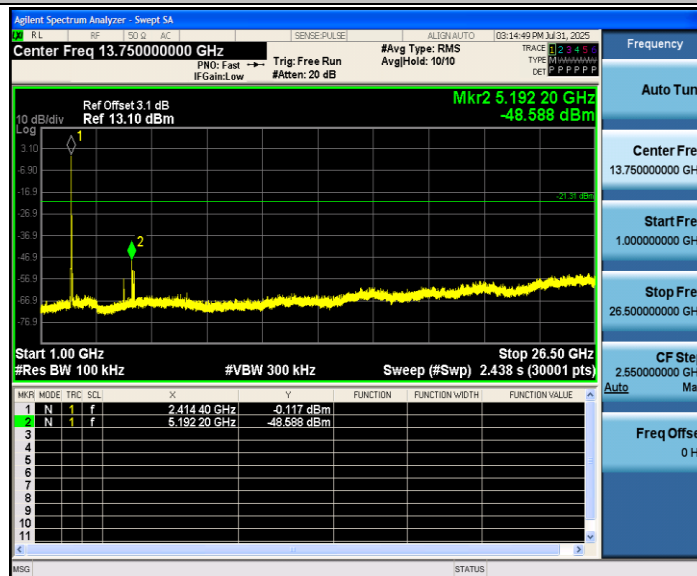
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



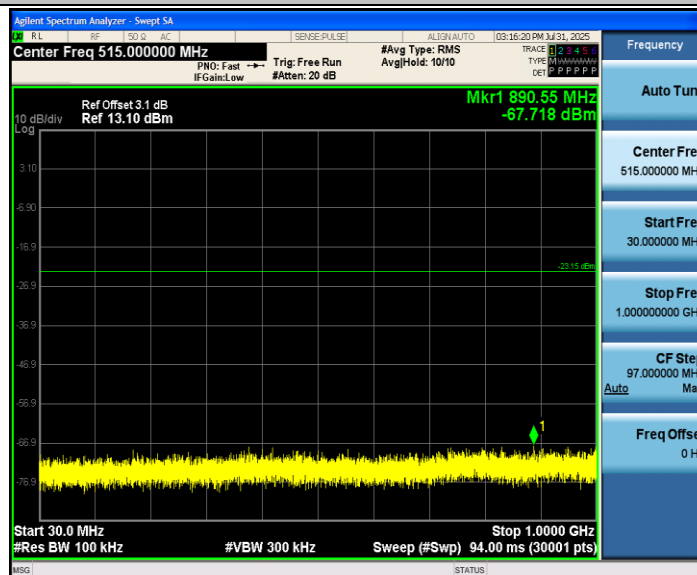
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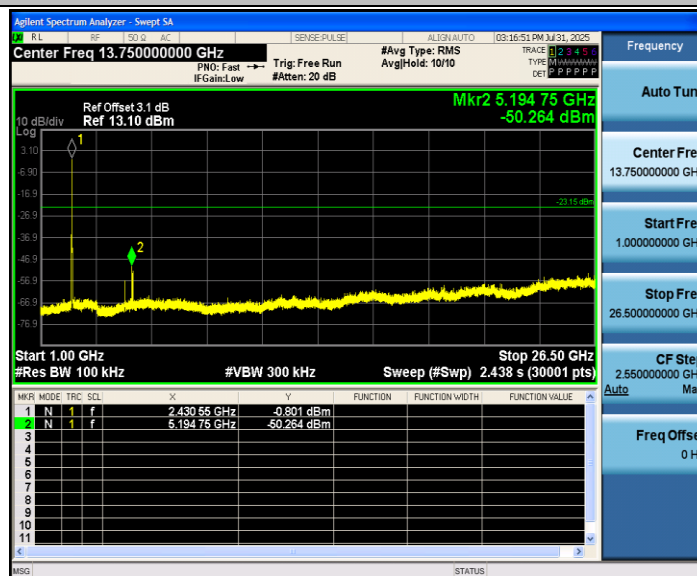
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



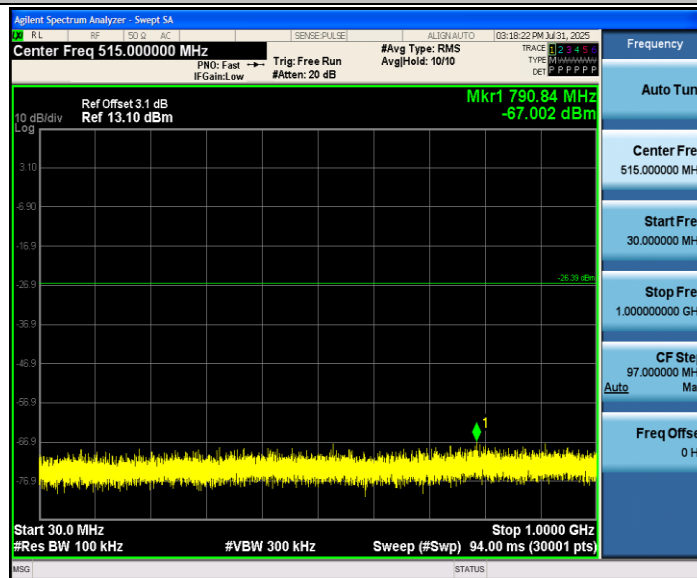
11G_Ant1_2437_1000~26500



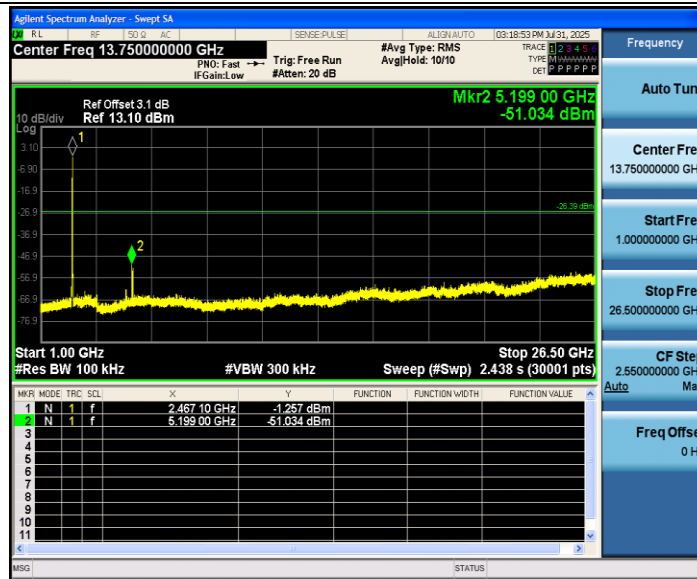
11G_Ant1_2462_0~Reference



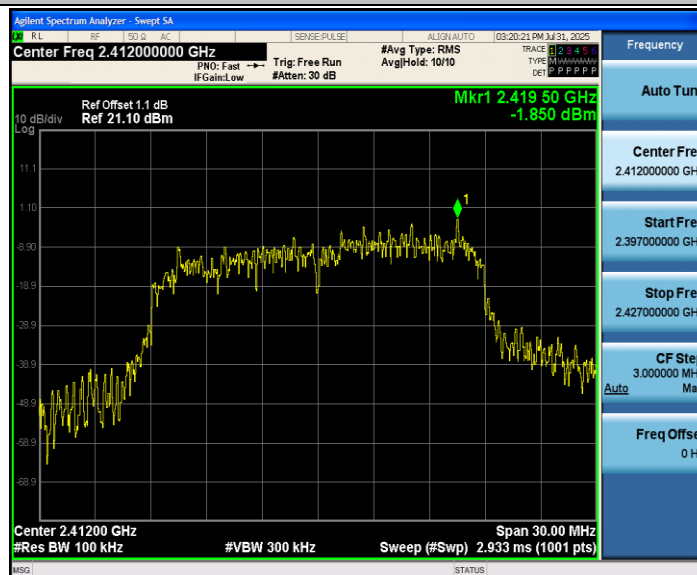
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

