

FCC Appendix RF Test Data

FCC ID : 2BP7Y-H1201

Company : Guangdong Hongkangyi Medical Technology Co., Ltd.

EUT : Visual Negative Pressure Ear Cleaner

Model Number : H1201

Report No. : CTA25061200901

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	2408.440	2417.000	0.5	PASS
		2437	9.600	2431.960	2441.560	0.5	PASS
		2462	9.040	2457.960	2467.000	0.5	PASS
11G	Ant1	2412	13.200	2406.960	2420.160	0.5	PASS
		2437	15.760	2428.840	2444.600	0.5	PASS
		2462	15.680	2454.480	2470.160	0.5	PASS
11N20SISO	Ant1	2412	13.560	2406.960	2420.520	0.5	PASS
		2437	16.040	2428.520	2444.560	0.5	PASS
		2462	15.880	2454.480	2470.360	0.5	PASS

Test Graphs

11B_Ant1_2412



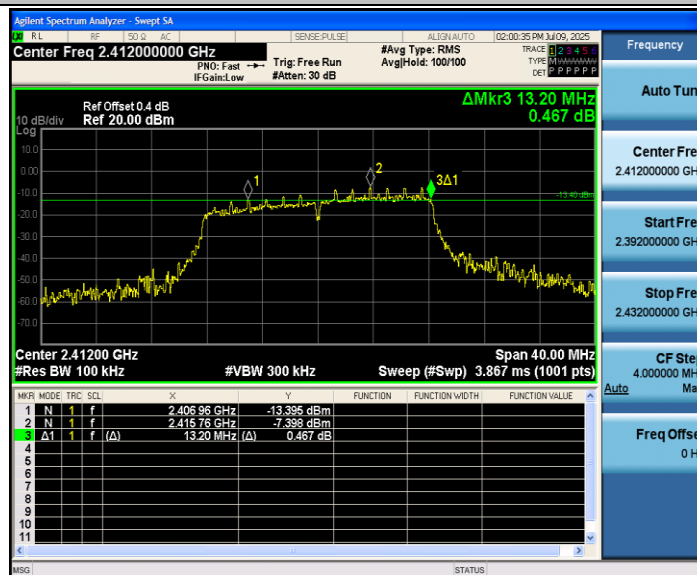
11B_Ant1_2437



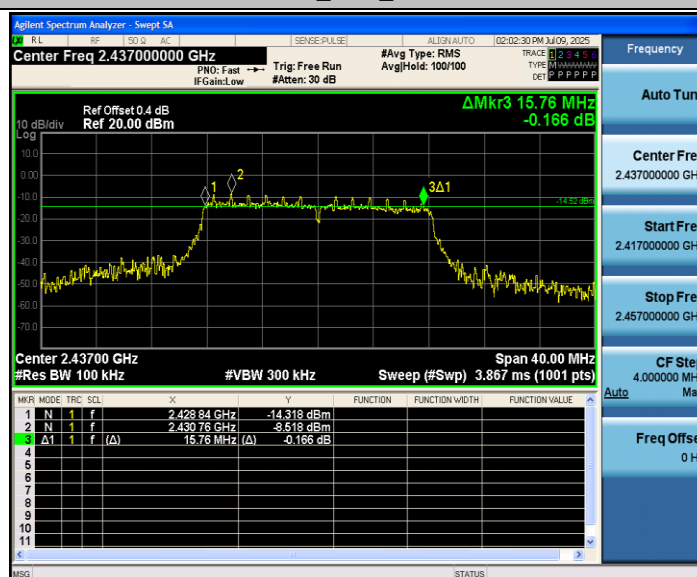
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437





11N20SISO_Ant1_2462



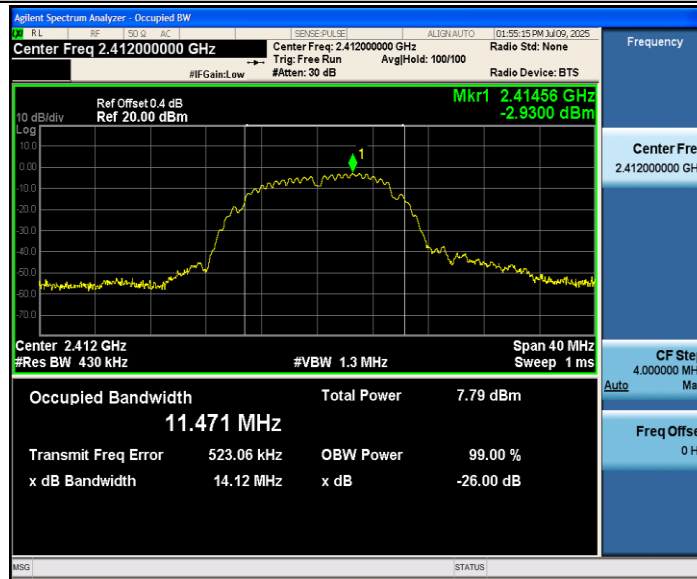
Appendix B: Occupied Channel Bandwidth

Test Result

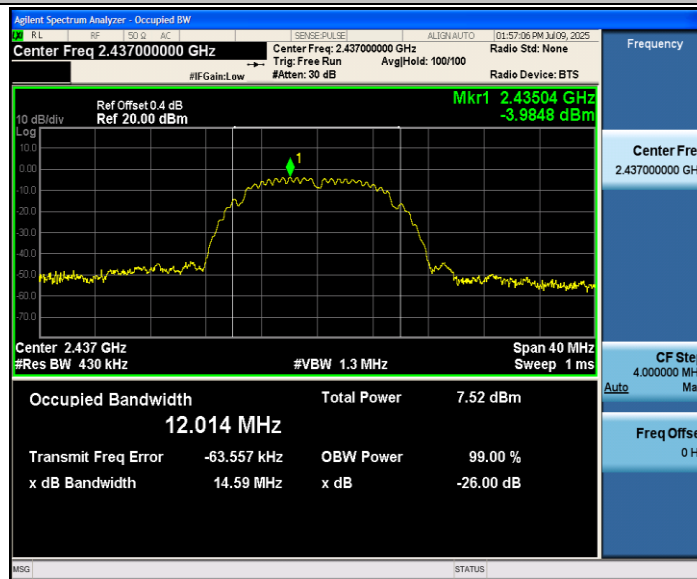
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.471	2406.7876	2418.2586	---	---
		2437	12.014	2430.9294	2442.9434	---	---
		2462	11.628	2456.5142	2468.1422	---	---
11G	Ant1	2412	16.515	2404.0313	2420.5463	---	---
		2437	16.801	2428.4980	2445.2990	---	---
		2462	16.617	2453.8908	2470.5078	---	---
11N20SISO	Ant1	2412	17.434	2403.5614	2420.9954	---	---
		2437	17.769	2427.9981	2445.7671	---	---
		2462	17.484	2453.4550	2470.9390	---	---

Test Graphs

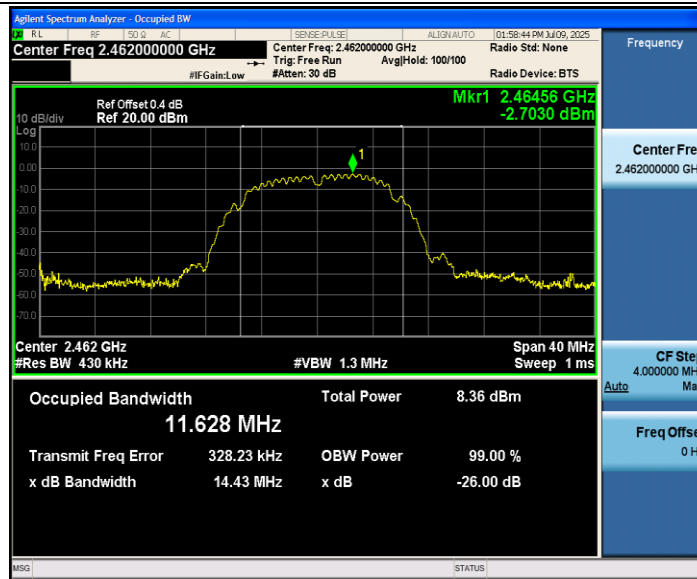
11B_Ant1_2412



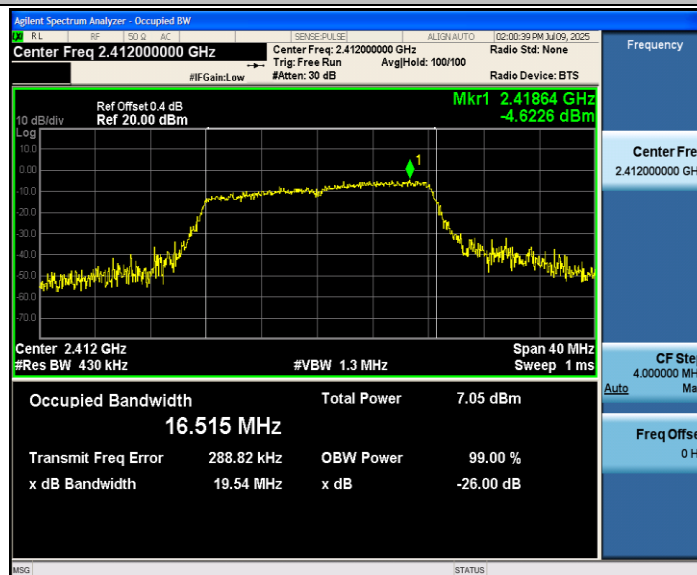
11B_Ant1_2437



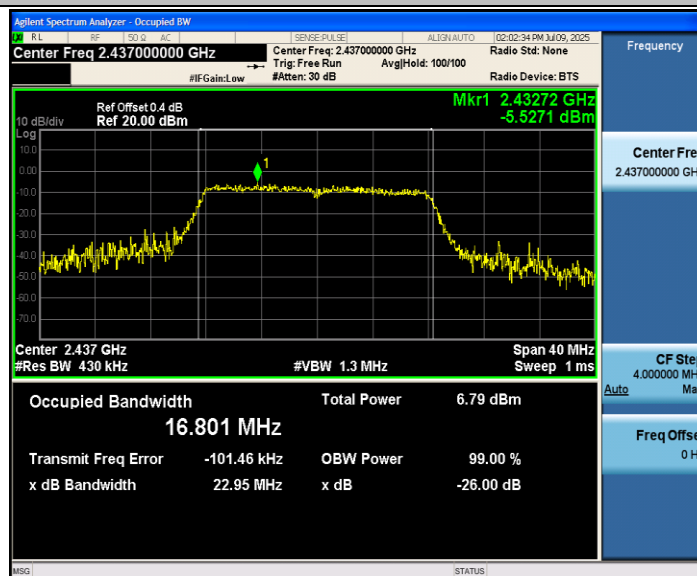
11B_Ant1_2462



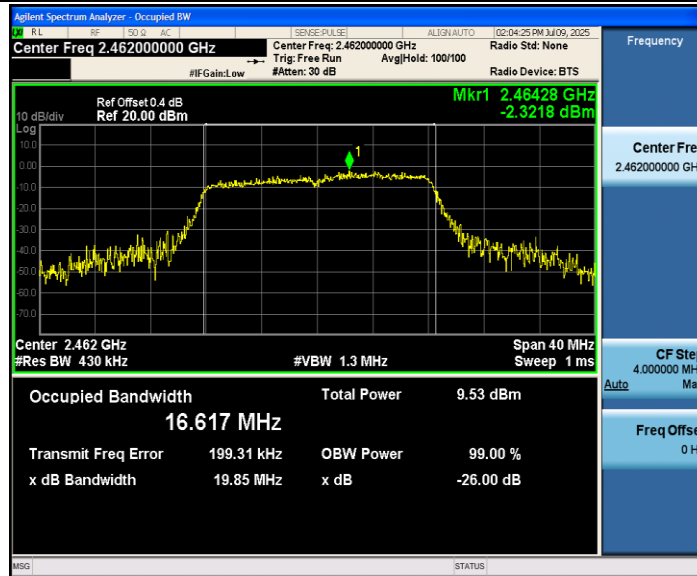
11G_Ant1_2412



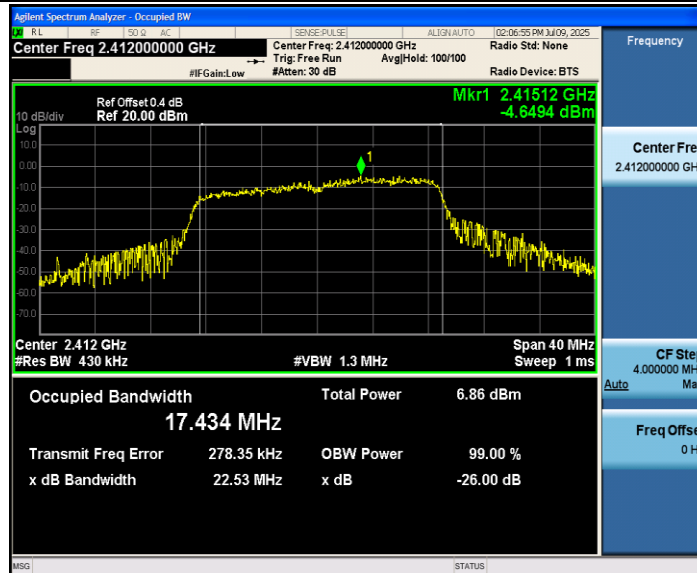
11G_Ant1_2437



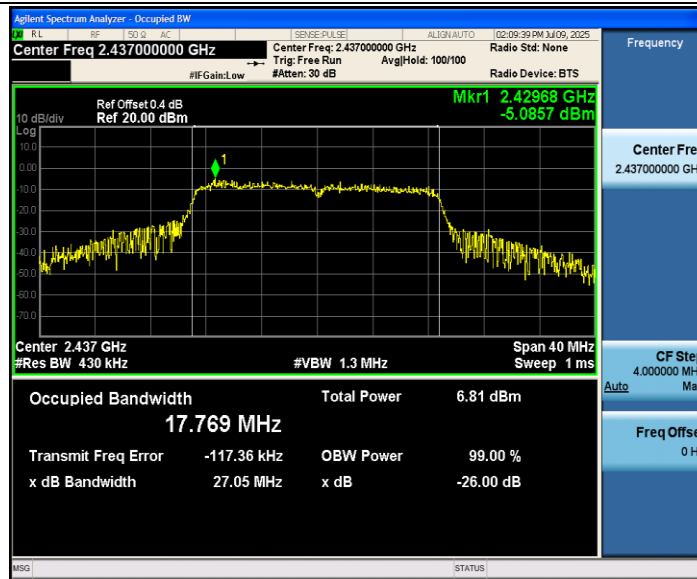
11G_Ant1_2462



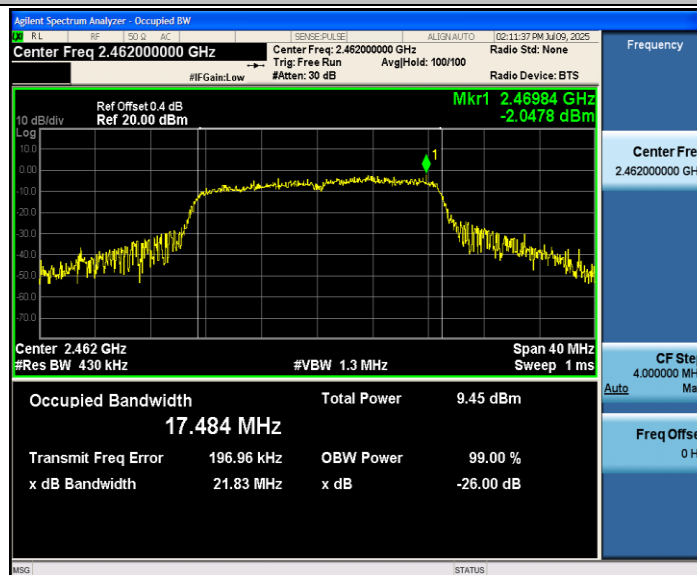
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	7.54	≤30.00	PASS
		2437	7.45	≤30.00	PASS
		2462	8.20	≤30.00	PASS
11G	Ant1	2412	7.44	≤30.00	PASS
		2437	7.51	≤30.00	PASS
		2462	7.96	≤30.00	PASS
11N20SISO	Ant1	2412	7.21	≤30.00	PASS
		2437	7.24	≤30.00	PASS
		2462	7.75	≤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	-18.08	≤8.00	PASS
		2437	-18.05	≤8.00	PASS
		2462	-16.40	≤8.00	PASS
11G	Ant1	2412	-21.81	≤8.00	PASS
		2437	-24.57	≤8.00	PASS
		2462	-20.36	≤8.00	PASS
11N20SISO	Ant1	2412	-23.29	≤8.00	PASS
		2437	-24.89	≤8.00	PASS
		2462	-20.90	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



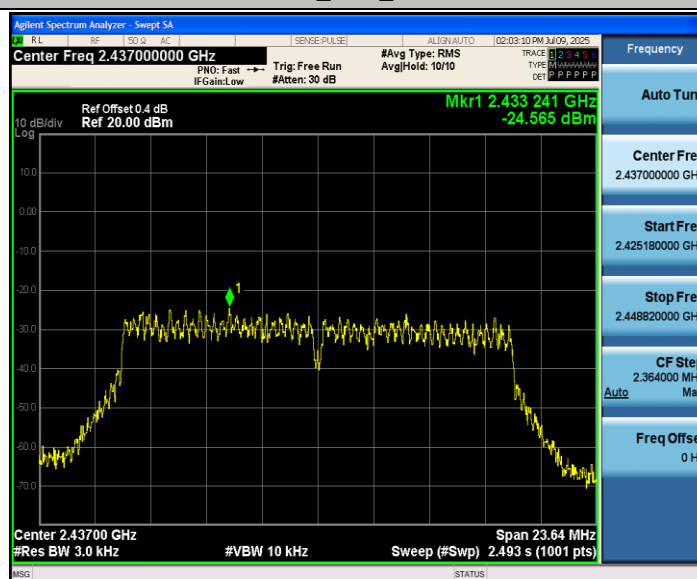
11B_Ant1_2462



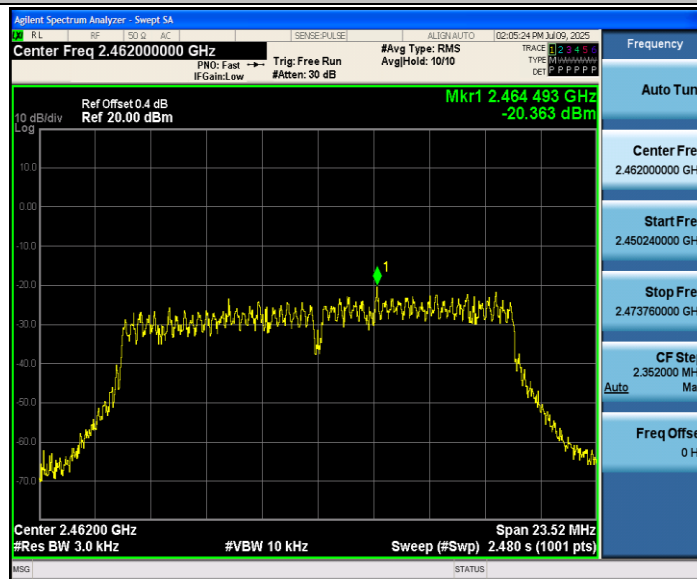
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



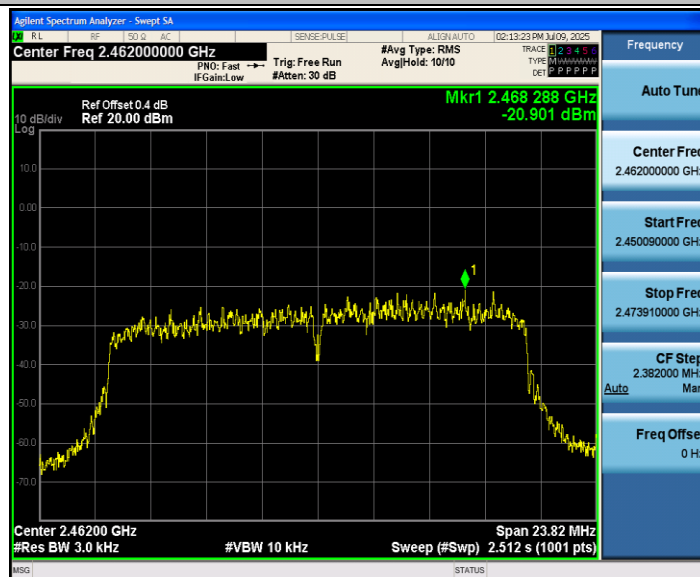
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



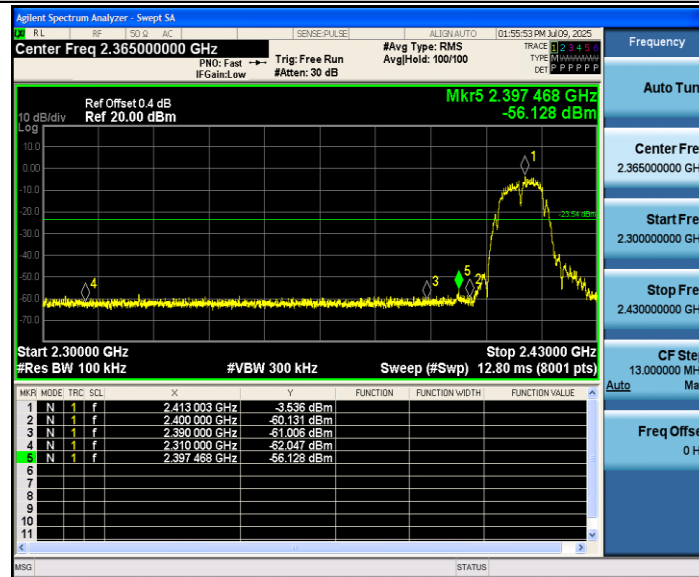
Appendix E: Band edge measurements

Test Result

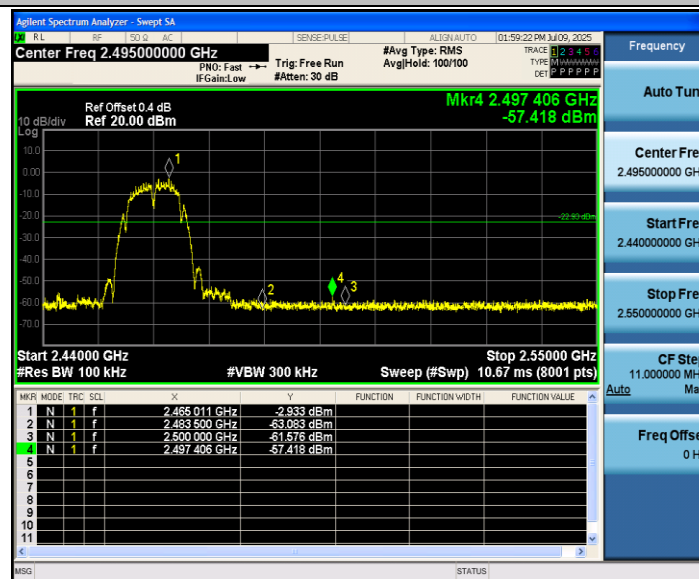
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.54	-56.13	≤-23.54	PASS
		High	2462	-2.93	-57.42	≤-22.93	PASS
11G	Ant1	Low	2412	-7.48	-46.69	≤-27.48	PASS
		High	2462	-5.26	-54.13	≤-25.26	PASS
11N20SISO	Ant1	Low	2412	-7.48	-47.07	≤-27.48	PASS
		High	2462	-5.35	-52.88	≤-25.35	PASS

Test Graphs

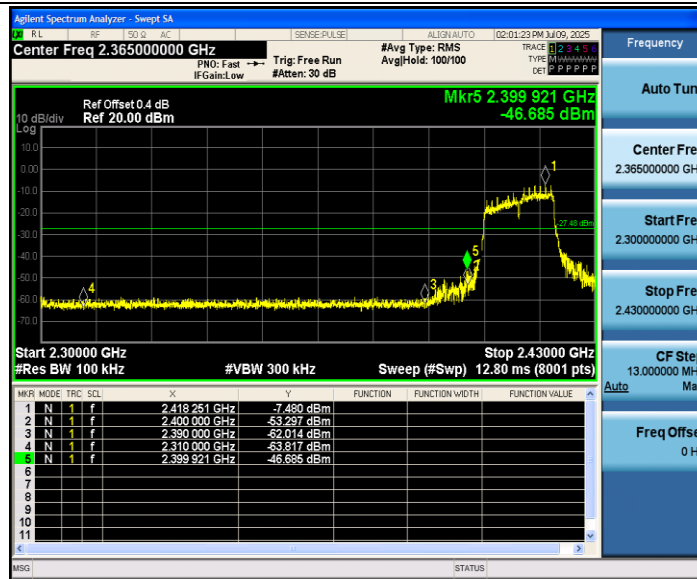
11B_Ant1_Low_2412



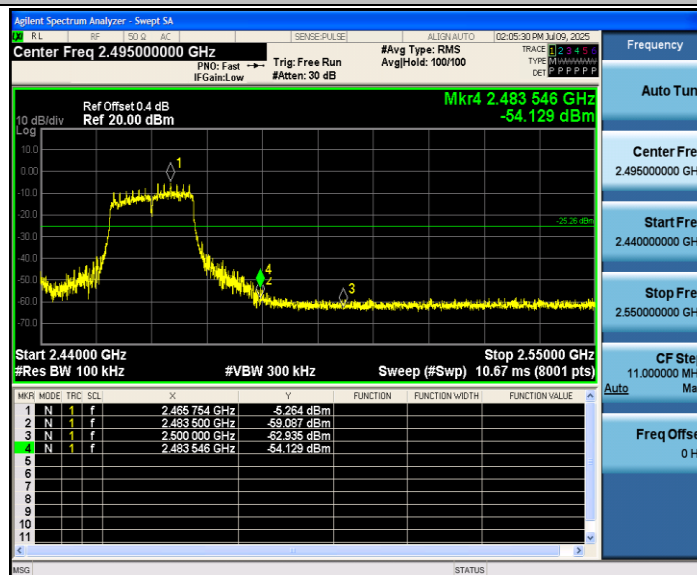
11B_Ant1_High_2462



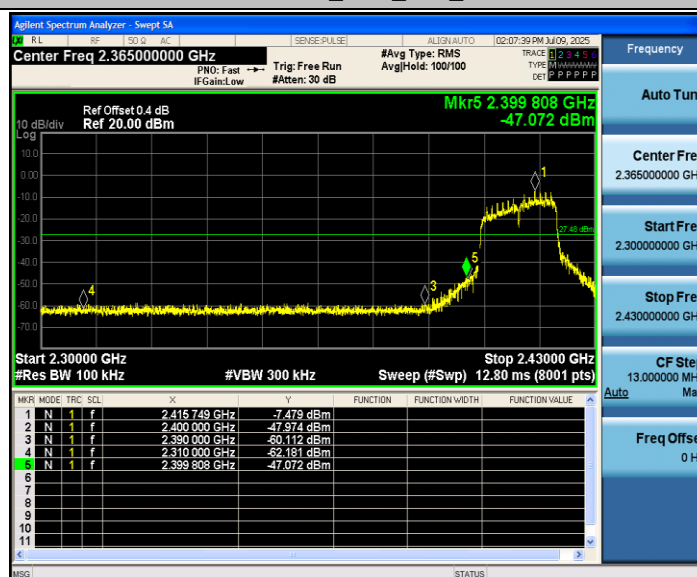
11G_Ant1_Low_2412



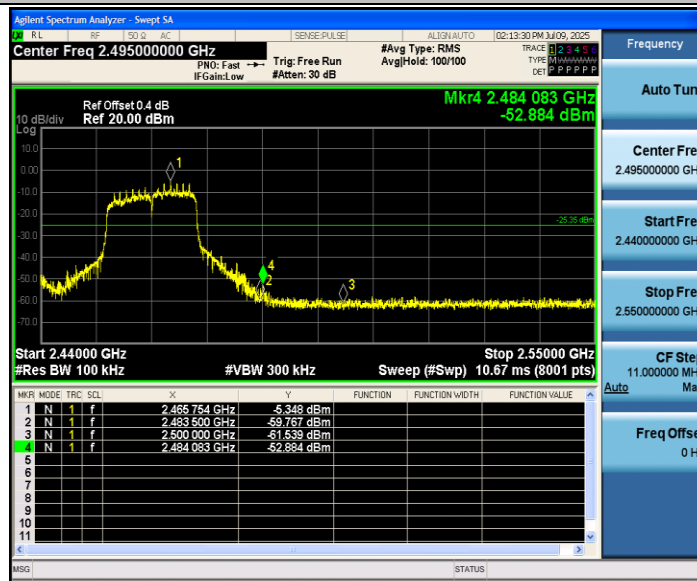
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

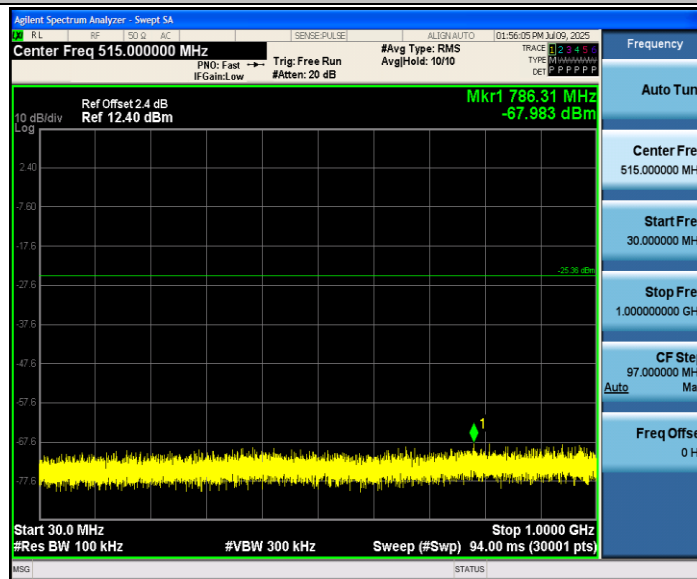
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-5.36	-5.36	---	PASS
			30~1000	-5.36	-67.98	≤-25.36	PASS
			1000~26500	-5.36	-54.28	≤-25.36	PASS
		2437	Reference	-6.46	-6.46	---	PASS
			30~1000	-6.46	-67.91	≤-26.46	PASS
			1000~26500	-6.46	-51.78	≤-26.46	PASS
		2462	Reference	-4.81	-4.81	---	PASS
			30~1000	-4.81	-67.73	≤-24.81	PASS
			1000~26500	-4.81	-54.75	≤-24.81	PASS
11G	Ant1	2412	Reference	-7.50	-7.50	---	PASS
			30~1000	-7.50	-68.18	≤-27.5	PASS
			1000~26500	-7.50	-54.01	≤-27.5	PASS
		2437	Reference	-10.07	-10.07	---	PASS
			30~1000	-10.07	-68.09	≤-30.07	PASS
			1000~26500	-10.07	-51.25	≤-30.07	PASS
		2462	Reference	-5.78	-5.78	---	PASS
			30~1000	-5.78	-67.77	≤-25.78	PASS
			1000~26500	-5.78	-54.38	≤-25.78	PASS
11N20SISO	Ant1	2412	Reference	-7.68	-7.68	---	PASS
			30~1000	-7.68	-68.31	≤-27.68	PASS
			1000~26500	-7.68	-52.99	≤-27.68	PASS
		2437	Reference	-9.17	-9.17	---	PASS
			30~1000	-9.17	-66.69	≤-29.17	PASS
			1000~26500	-9.17	-54.95	≤-29.17	PASS
		2462	Reference	-6.29	-6.29	---	PASS
			30~1000	-6.29	-31.84	≤-26.29	PASS
			1000~26500	-6.29	-53.44	≤-26.29	PASS

Test Graphs

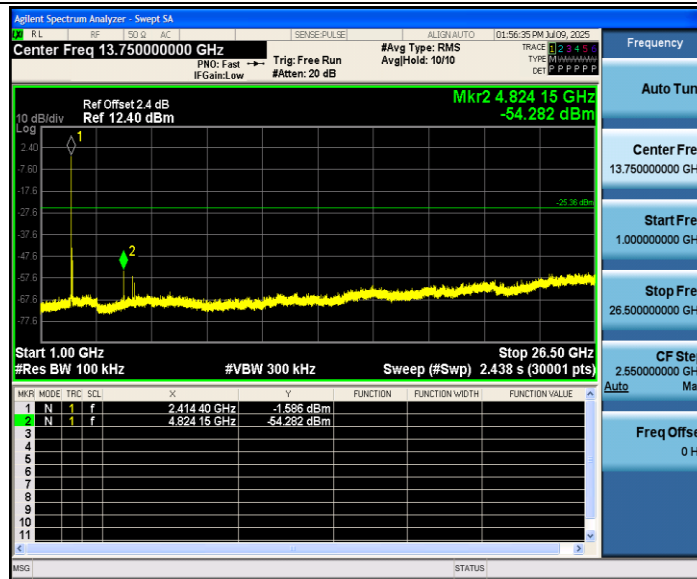
11B_Ant1_2412_0~Reference



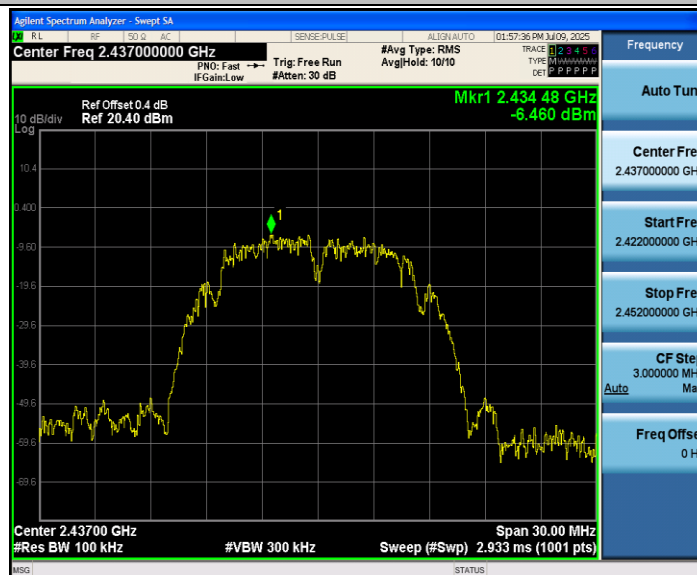
11B_Ant1_2412_30~1000



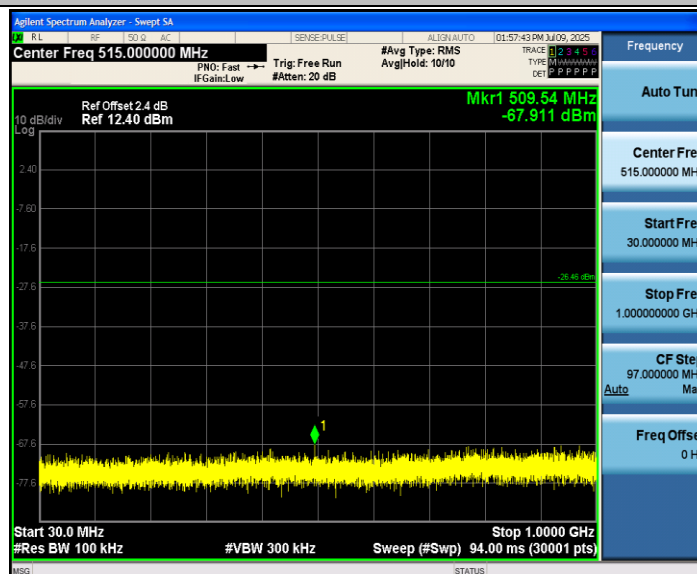
11B_Ant1_2412_1000~26500



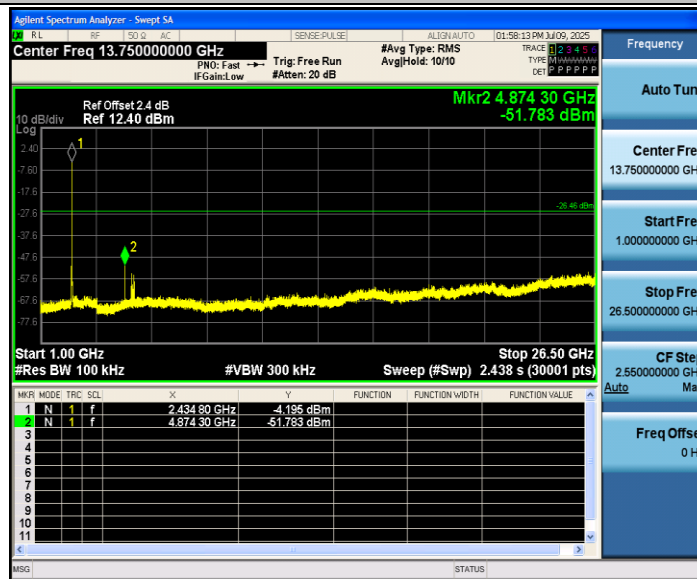
11B_Ant1_2437_0~Reference



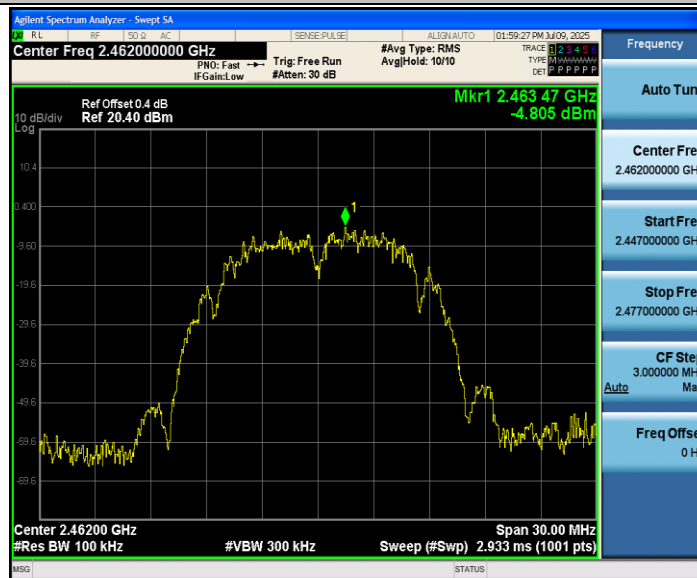
11B_Ant1_2437_30~1000



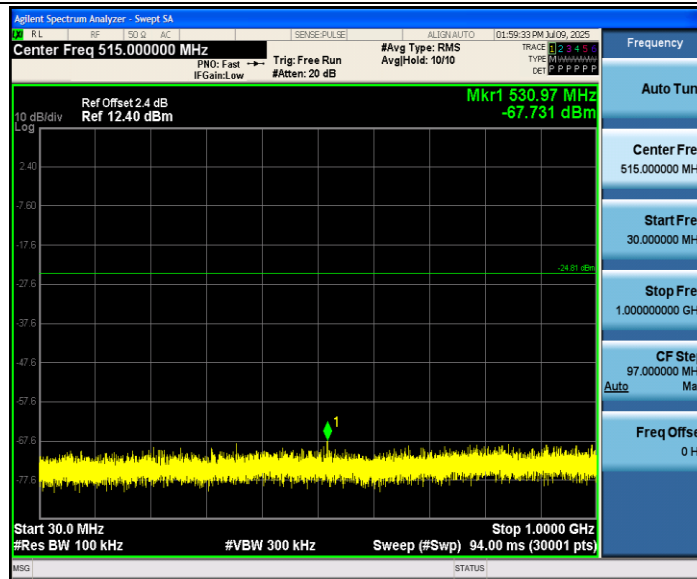
11B_Ant1_2437_1000~26500



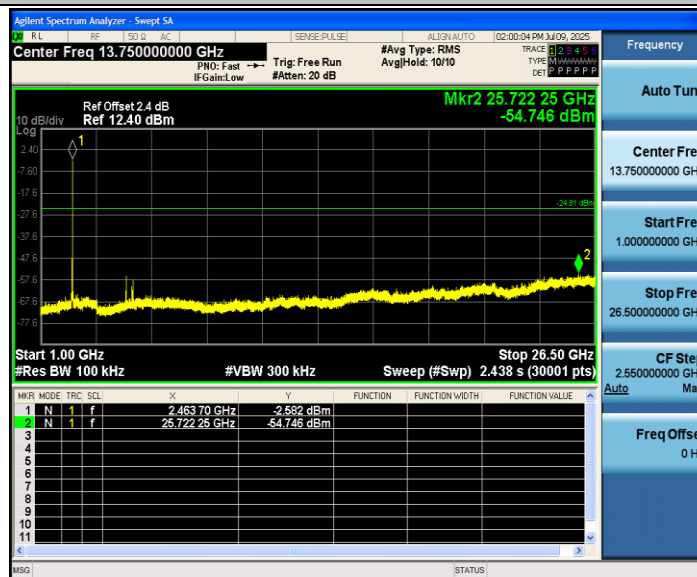
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



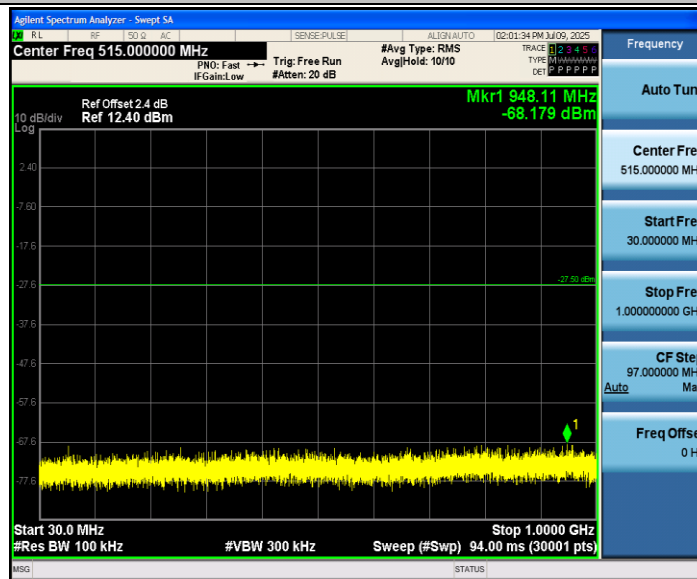
11B_Ant1_2462_1000~26500



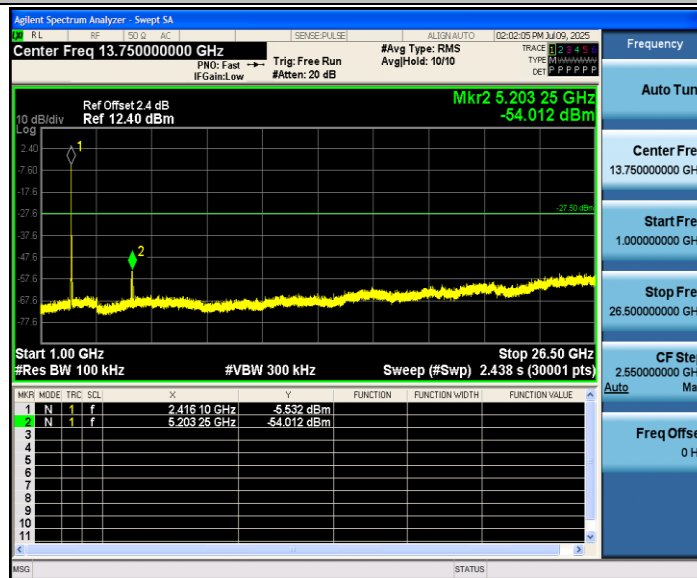
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



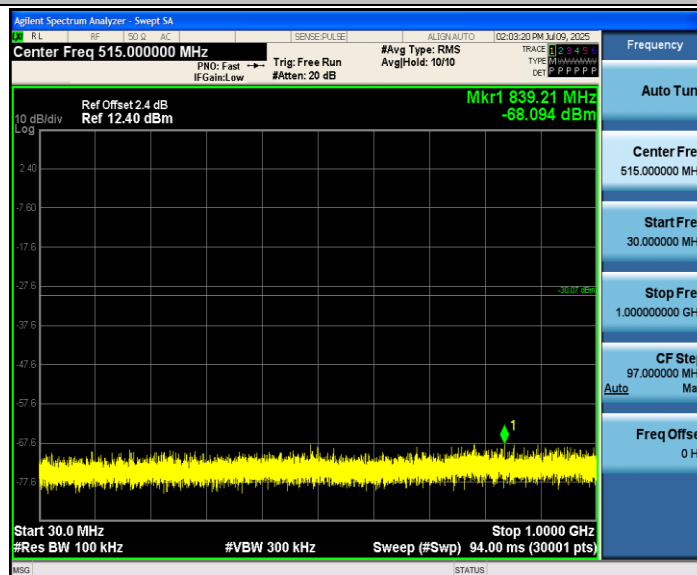
11G_Ant1_2412_1000~26500



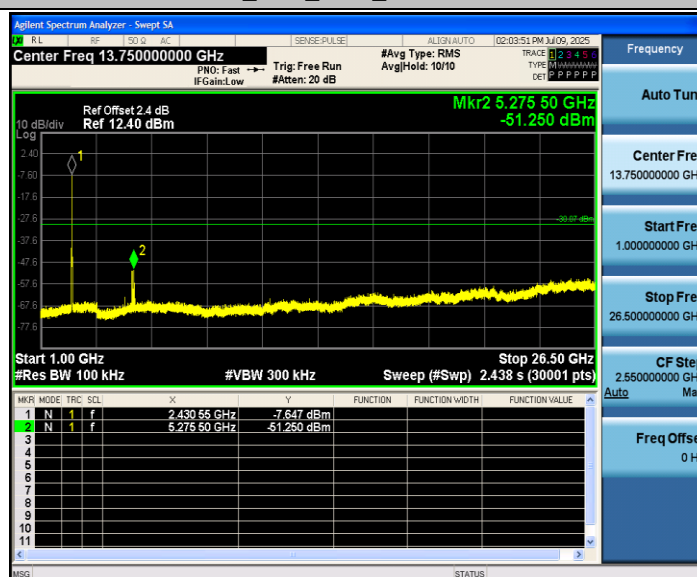
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



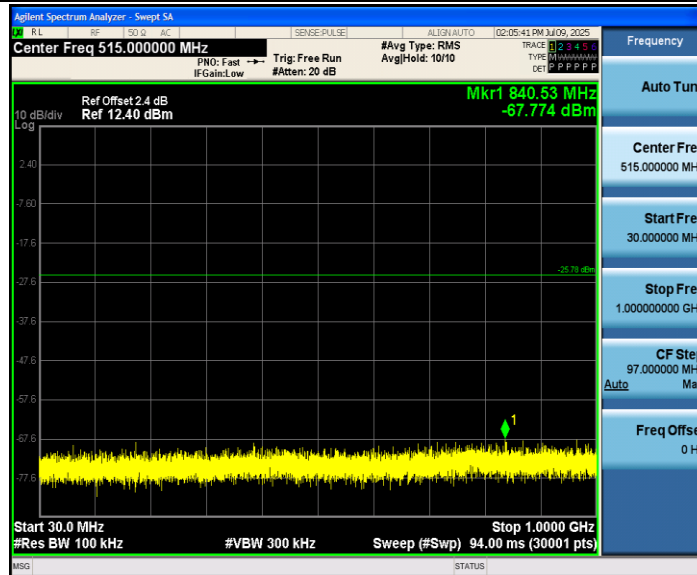
11G_Ant1_2437_1000~26500



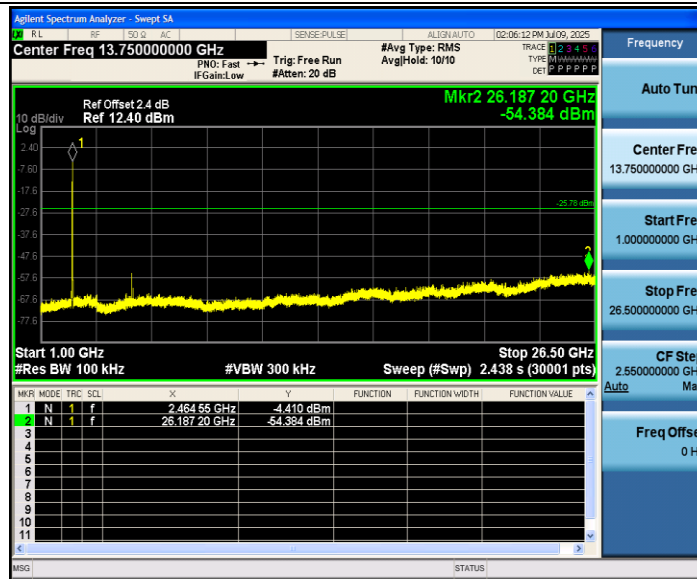
11G_Ant1_2462_0~Reference



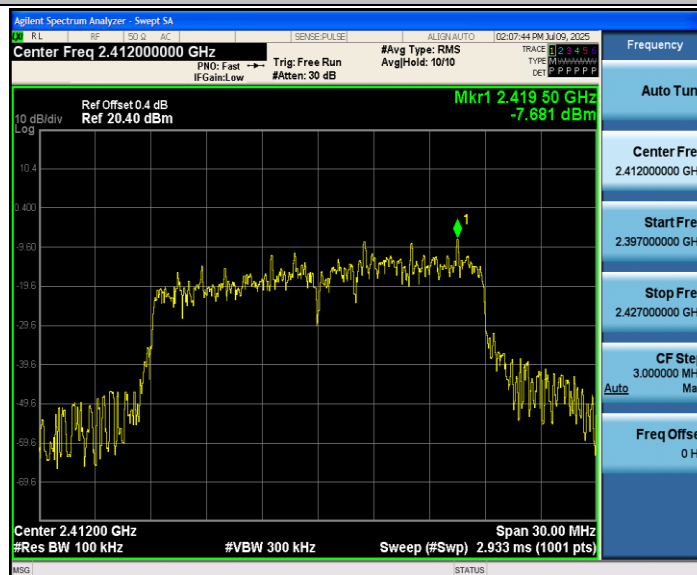
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

