

FCC Appendix RF Test Data

FCC ID : 2BQU2-LV06

Company : Shenzhen Qunlian Intelligent Manufacturing
Technology Co., Ltd

EUT : Lottery machine

Model Number : LV06

Report No. : CTA25062700401

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	9.080	2407.960	2417.040	0.5	PASS
		2437	9.560	2431.960	2441.520	0.5	PASS
		2462	8.640	2458.000	2466.640	0.5	PASS
11G	Ant1	2412	12.720	2407.000	2419.720	0.5	PASS
		2437	15.720	2428.840	2444.560	0.5	PASS
		2462	15.680	2454.480	2470.160	0.5	PASS
11N20SISO	Ant1	2412	13.400	2406.960	2420.360	0.5	PASS
		2437	16.200	2428.480	2444.680	0.5	PASS
		2462	15.920	2454.480	2470.400	0.5	PASS
11N40SISO	Ant1	2422	25.040	2409.520	2434.560	0.5	PASS
		2437	35.440	2419.080	2454.520	0.5	PASS
		2452	35.440	2434.480	2469.920	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437

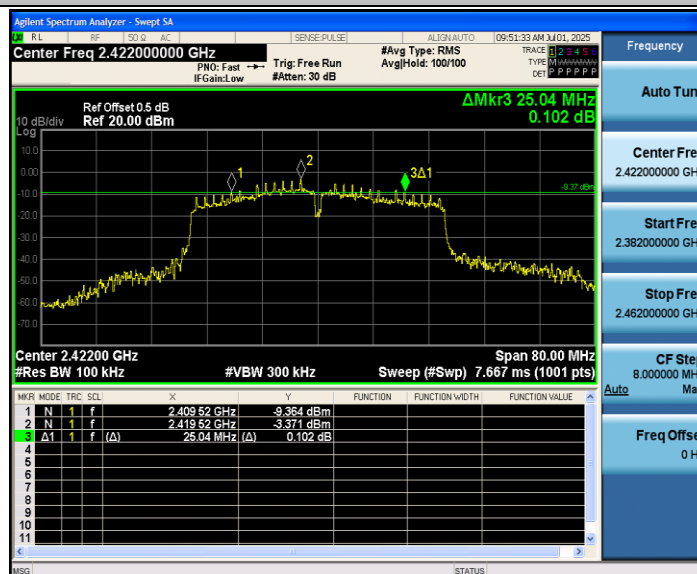




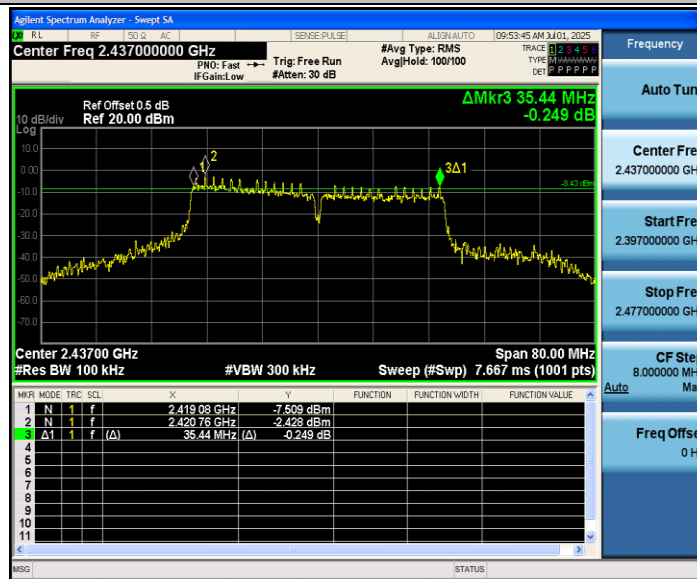
11N20SISO_Ant1_2462



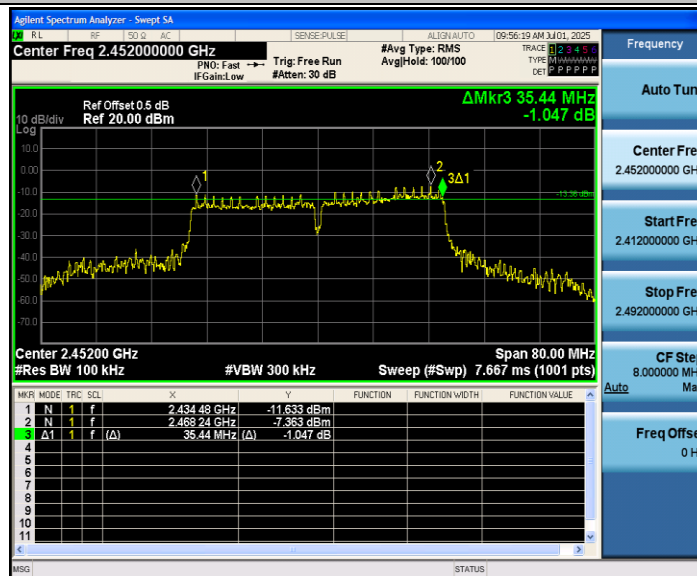
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



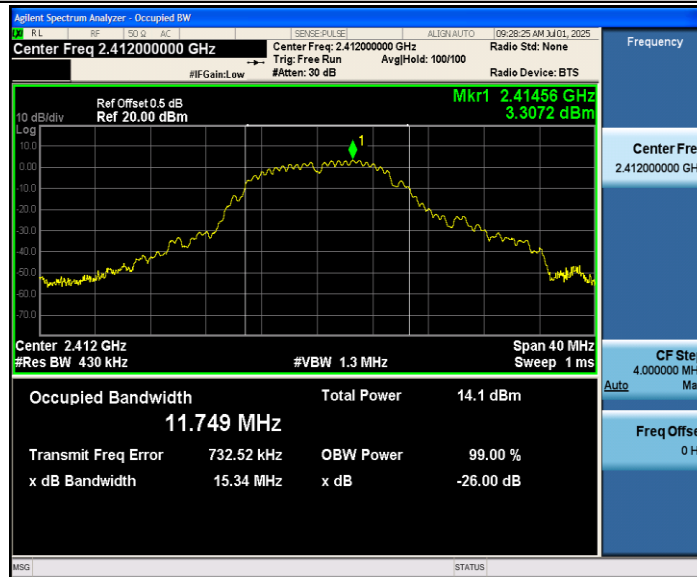
Appendix B: Occupied Channel Bandwidth

Test Result

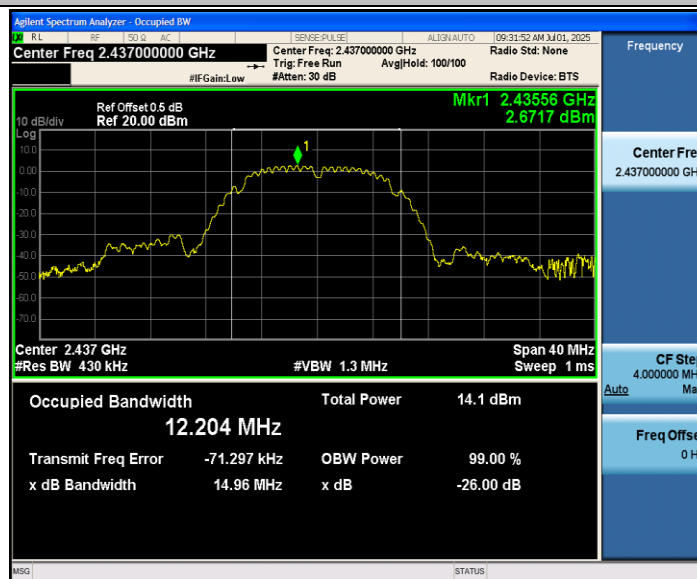
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.749	2406.8580	2418.6070	---	---
		2437	12.204	2430.8267	2443.0307	---	---
		2462	11.600	2456.5382	2468.1382	---	---
11G	Ant1	2412	19.151	2403.9658	2423.1168	---	---
		2437	16.824	2428.5079	2445.3319	---	---
		2462	16.563	2453.8890	2470.4520	---	---
11N20SISO	Ant1	2412	17.513	2403.5600	2421.0730	---	---
		2437	17.804	2427.9946	2445.7986	---	---
		2462	17.481	2453.4180	2470.8990	---	---
11N40SISO	Ant1	2422	35.464	2404.4122	2439.8762	---	---
		2437	36.676	2418.5542	2455.2302	---	---
		2452	36.463	2434.0286	2470.4916	---	---

Test Graphs

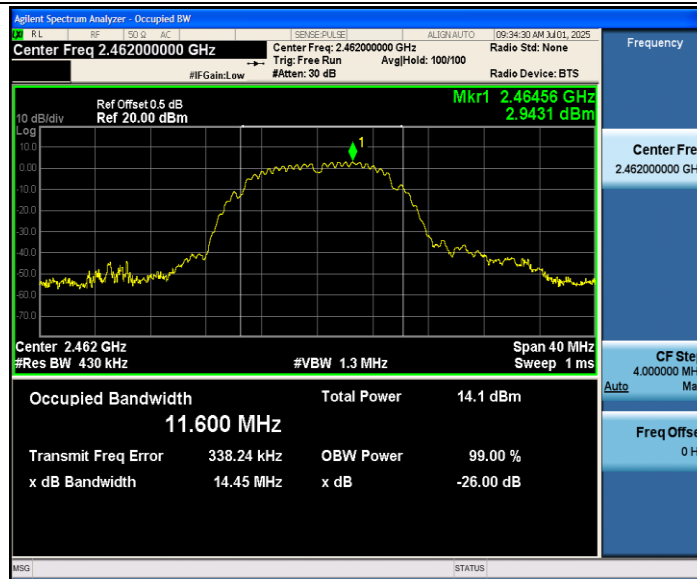
11B_Ant1_2412



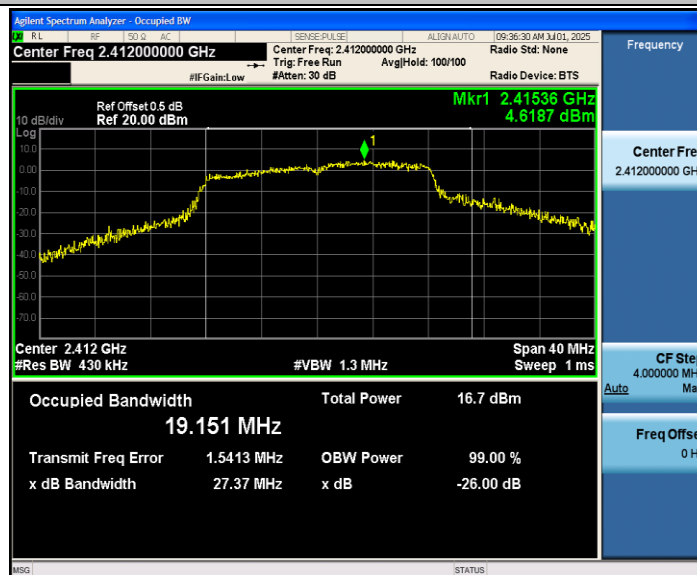
11B_Ant1_2437



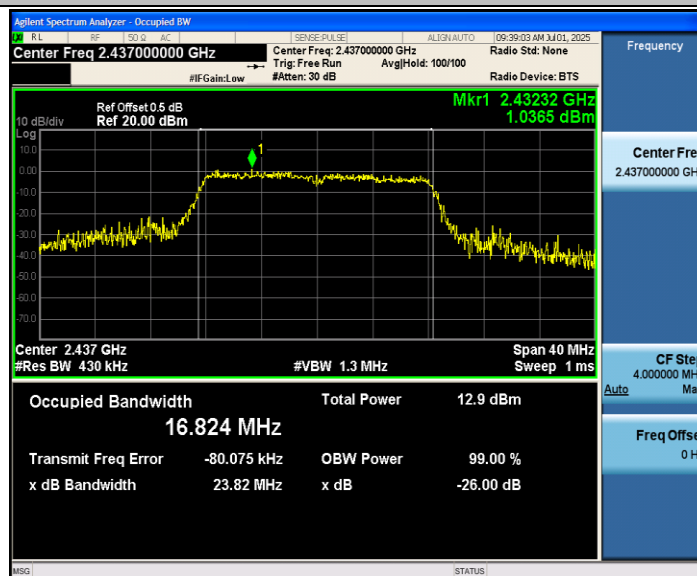
11B_Ant1_2462



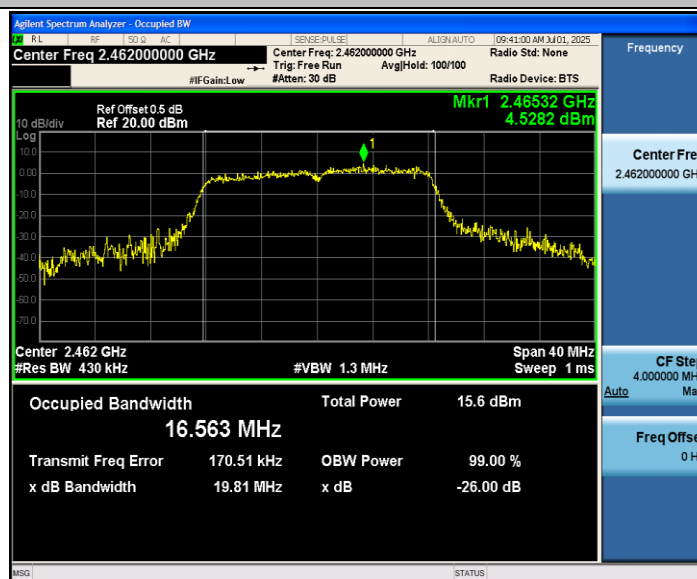
11G_Ant1_2412



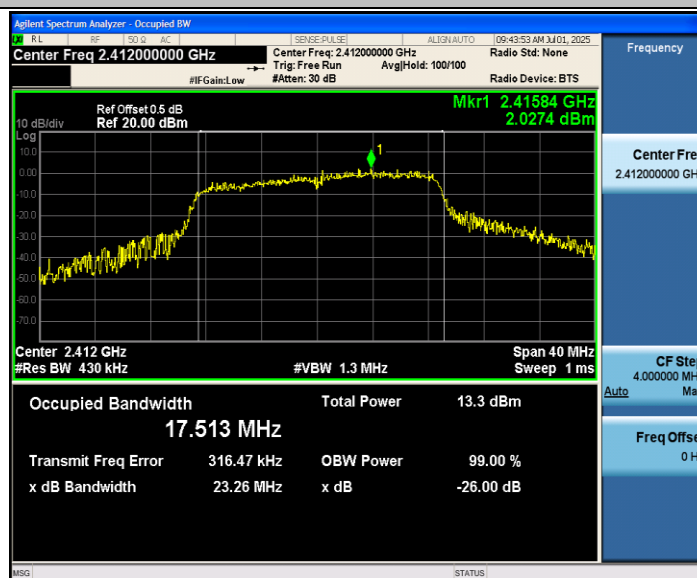
11G_Ant1_2437



11G_Ant1_2462



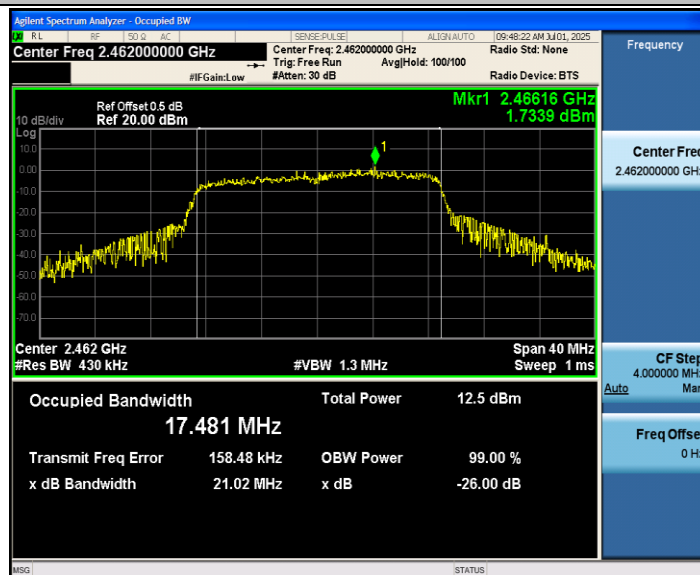
11N20SISO_Ant1_2412



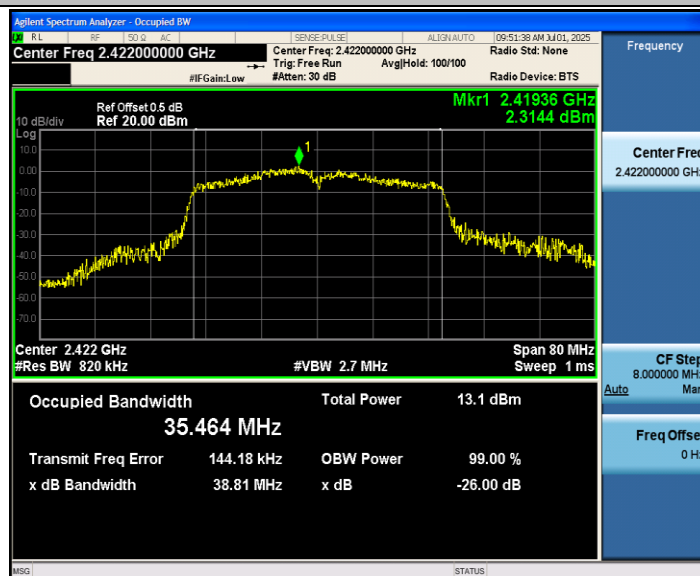
11N20SISO_Ant1_2437



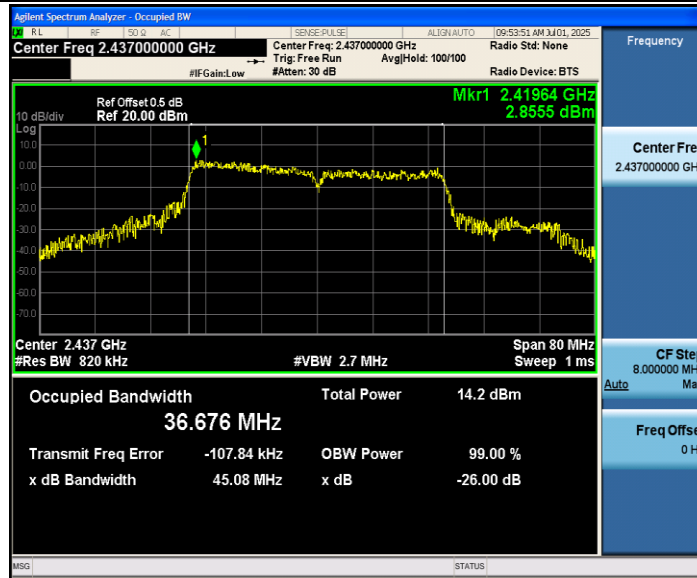
11N20SISO_Ant1_2462



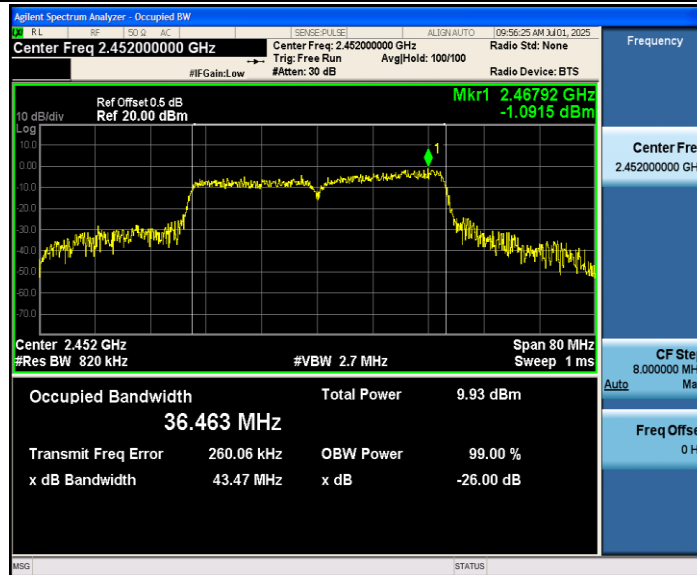
11N40SISO_Ant1_2422



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	13.95	≤30.00	PASS
		2437	14.05	≤30.00	PASS
		2462	13.83	≤30.00	PASS
11G	Ant1	2412	13.62	≤30.00	PASS
		2437	13.38	≤30.00	PASS
		2462	13.31	≤30.00	PASS
11N20SISO	Ant1	2412	13.74	≤30.00	PASS
		2437	13.20	≤30.00	PASS
		2462	13.07	≤30.00	PASS
11N40SISO	Ant1	2422	12.68	≤30.00	PASS
		2437	14.18	≤30.00	PASS
		2452	13.35	≤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	-10.65	≤8.00	PASS
		2437	-11.00	≤8.00	PASS
		2462	-11.71	≤8.00	PASS
11G	Ant1	2412	-16.72	≤8.00	PASS
		2437	-18.67	≤8.00	PASS
		2462	-18.02	≤8.00	PASS
11N20SISO	Ant1	2412	-17.00	≤8.00	PASS
		2437	-18.62	≤8.00	PASS
		2462	-18.24	≤8.00	PASS
11N40SISO	Ant1	2422	-19.53	≤8.00	PASS
		2437	-19.27	≤8.00	PASS
		2452	-20.33	≤8.00	PASS

Test Graphs

11B_Ant1_2412



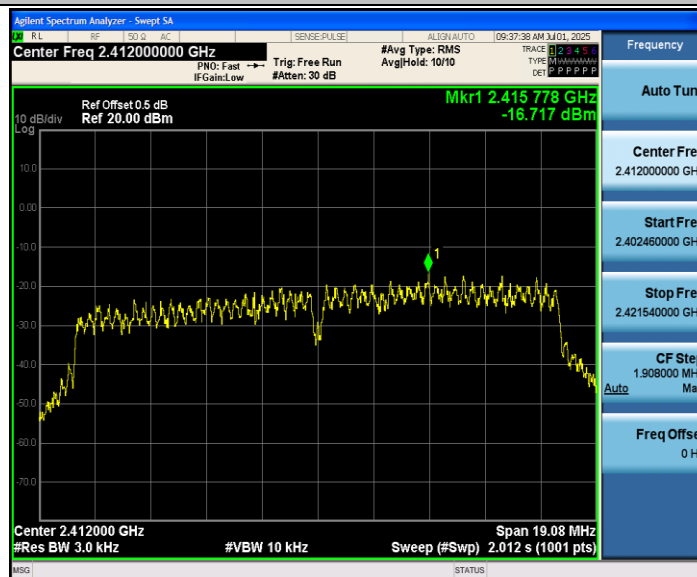
11B_Ant1_2437



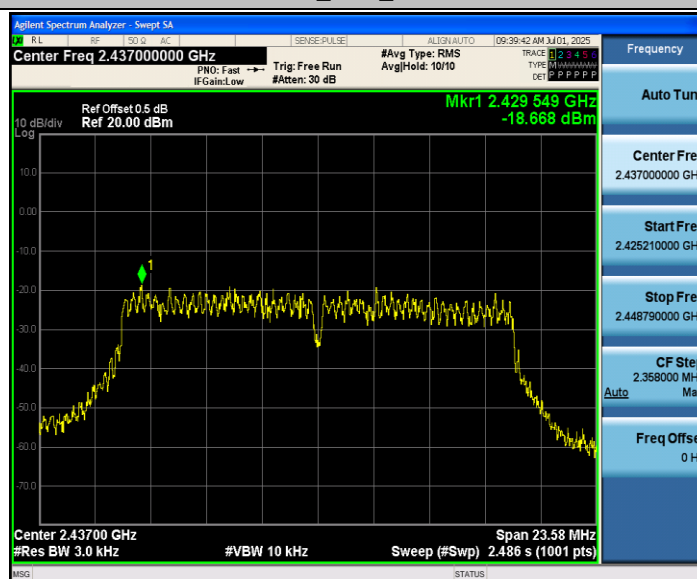
11B_Ant1_2462



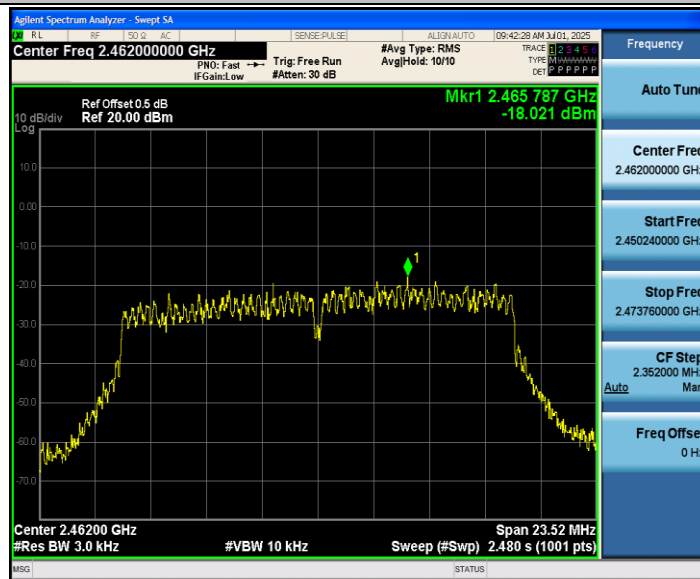
11G_Ant1_2412



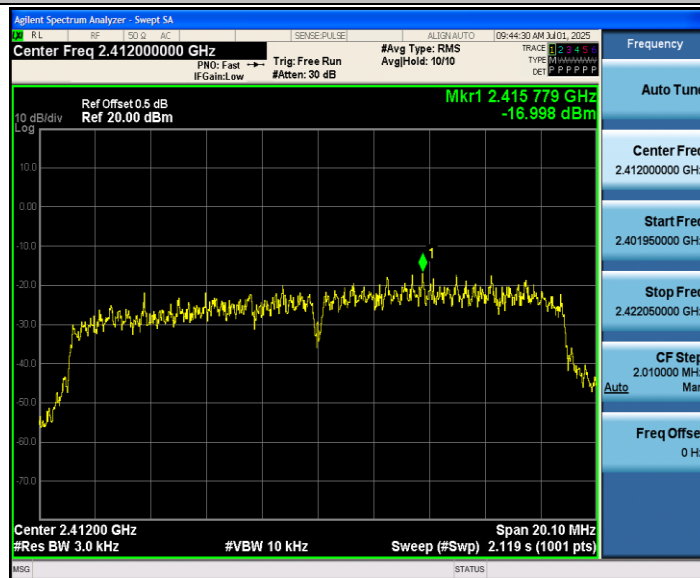
11G_Ant1_2437



11G_Ant1_2462



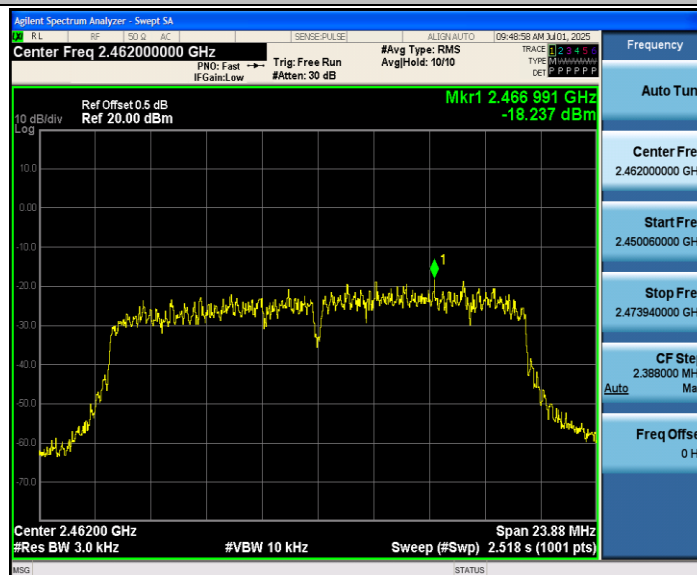
11N20SISO_Ant1_2412



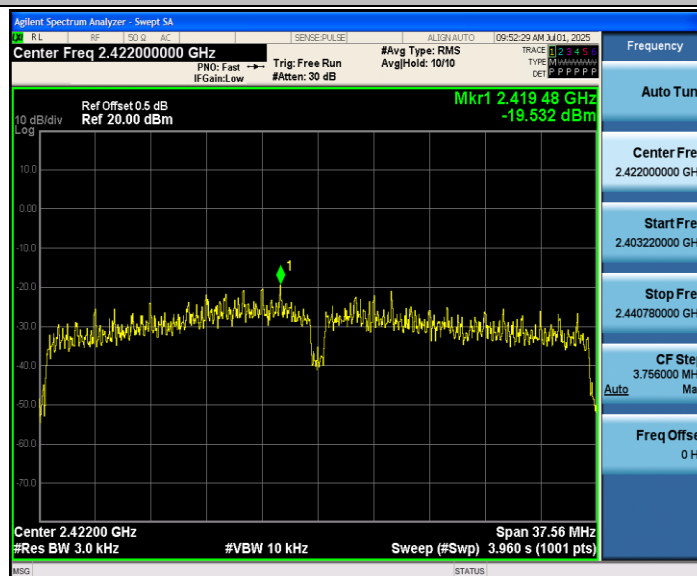
11N20SISO_Ant1_2437



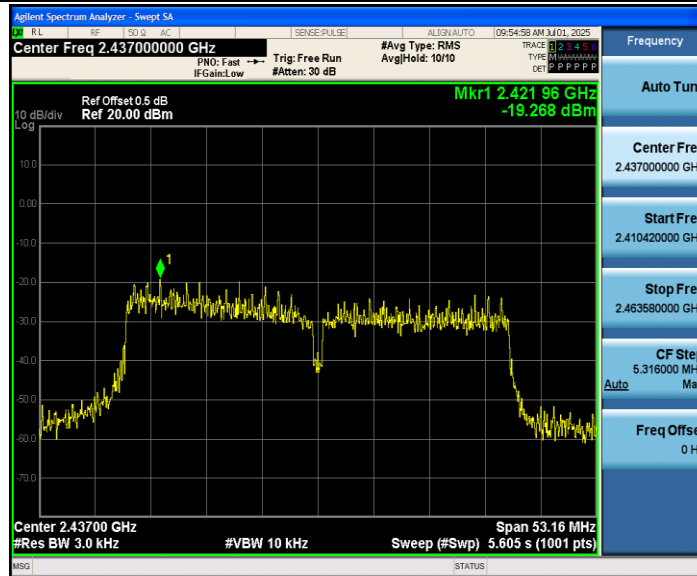
11N20SISO_Ant1_2462



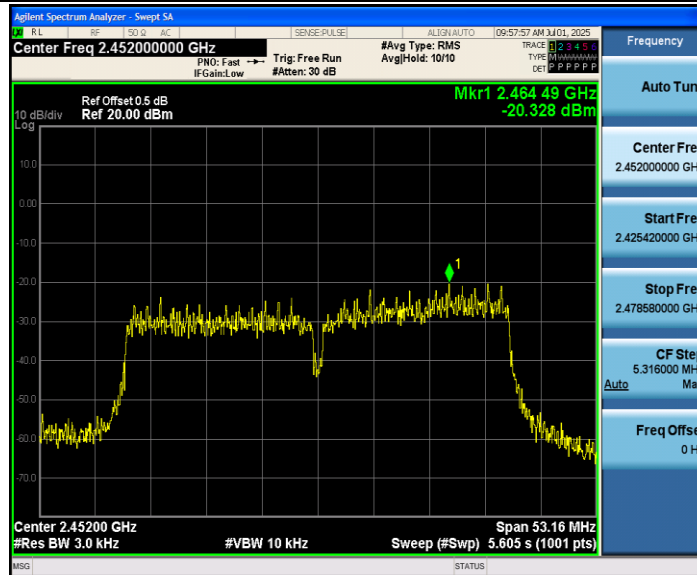
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



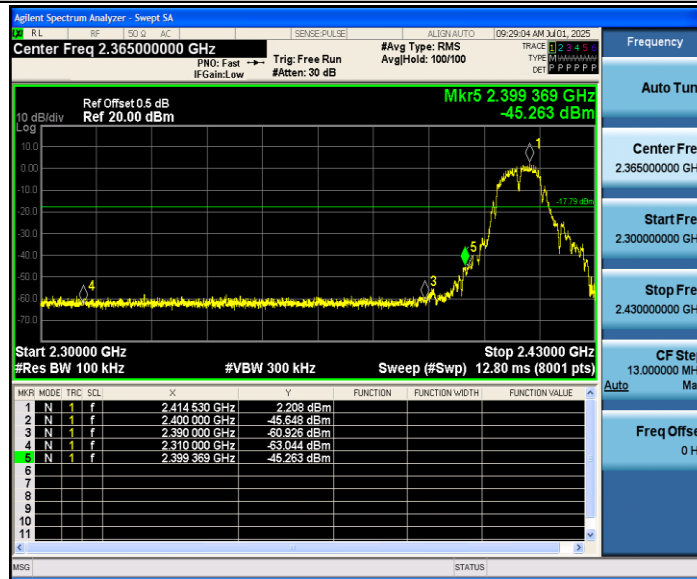
Appendix E: Band edge measurements

Test Result

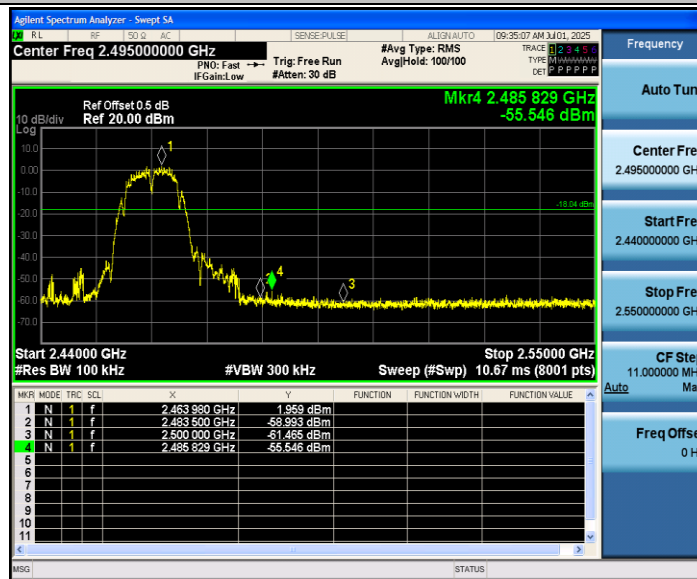
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.21	-45.26	≤-17.79	PASS
		High	2462	1.96	-55.55	≤-18.04	PASS
11G	Ant1	Low	2412	-0.97	-41.26	≤-20.97	PASS
		High	2462	-2.27	-51.68	≤-22.27	PASS
11N20SISO	Ant1	Low	2412	-0.93	-38.52	≤-20.93	PASS
		High	2462	-2.48	-52.43	≤-22.48	PASS
11N40SISO	Ant1	Low	2422	-3.36	-43.04	≤-23.36	PASS
		High	2452	-4.13	-41.78	≤-24.13	PASS

Test Graphs

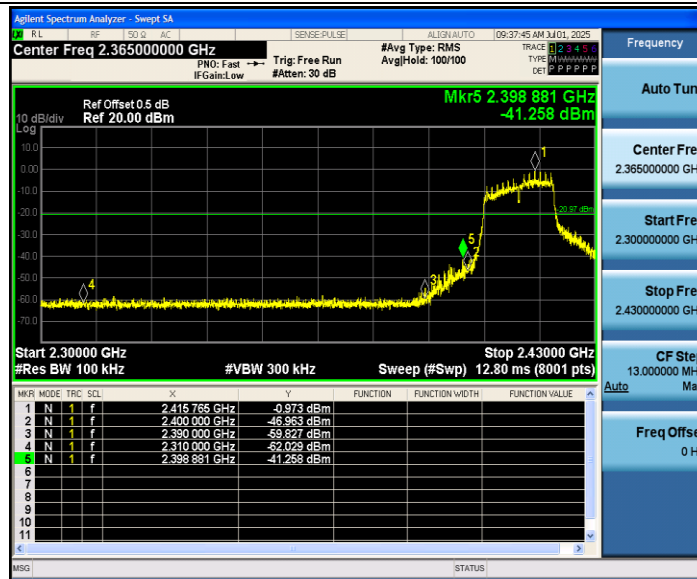
11B_Ant1_Low_2412



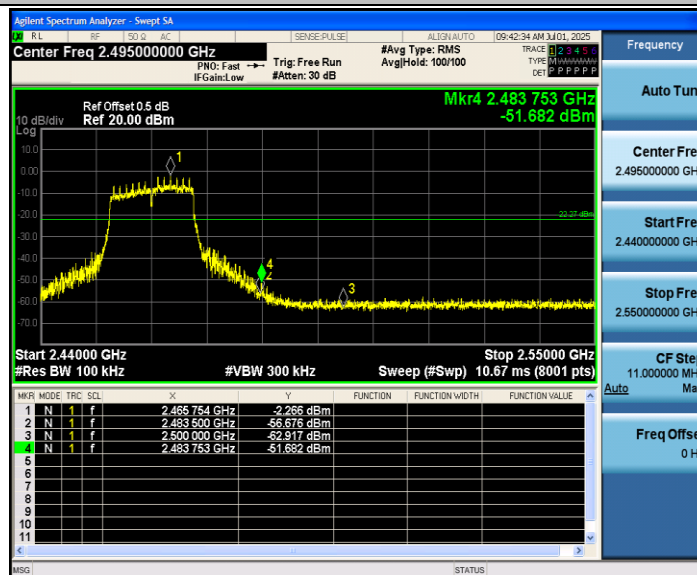
11B_Ant1_High_2462



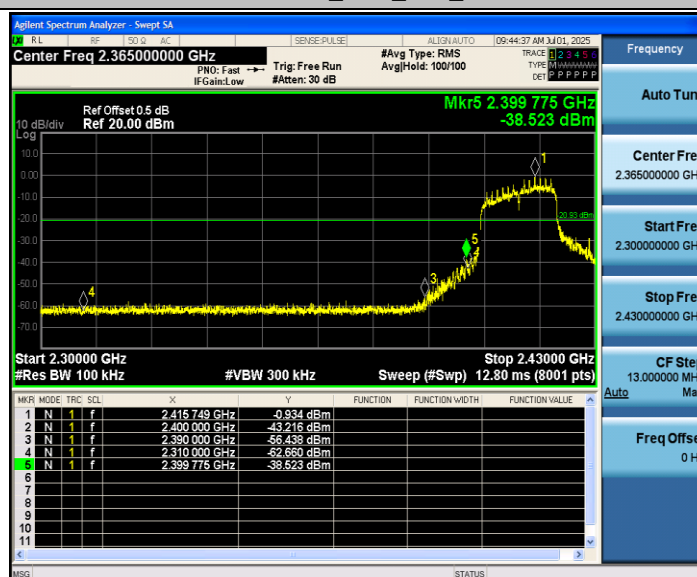
11G_Ant1_Low_2412



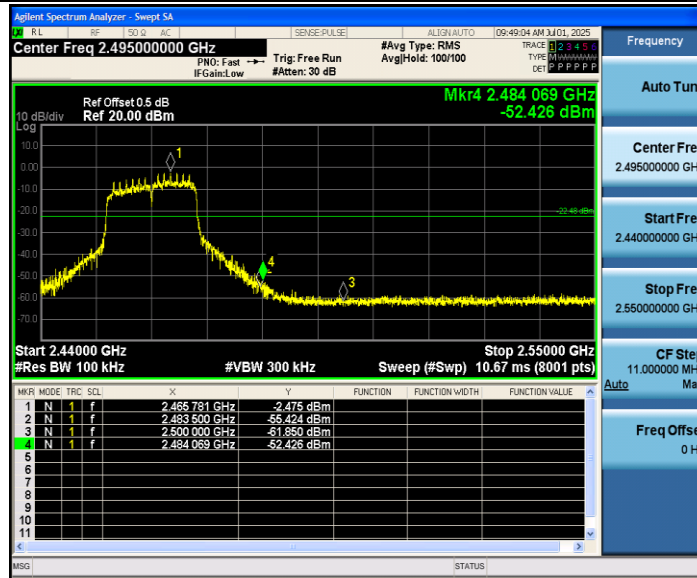
11G_Ant1_High_2462



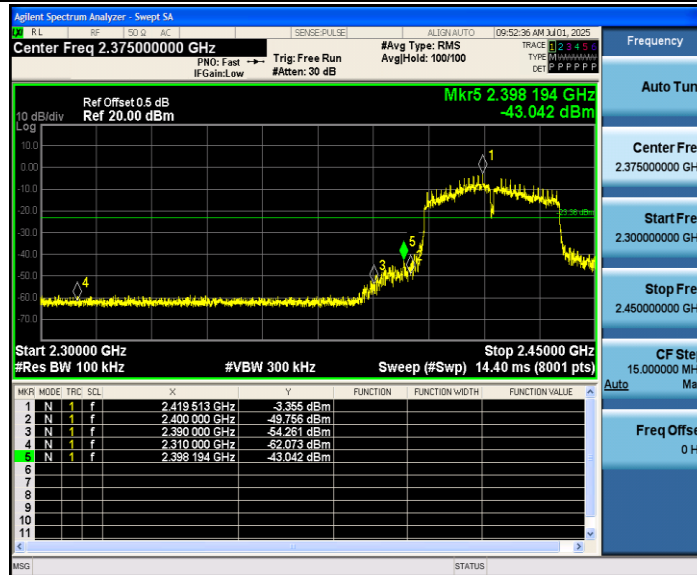
11N20SISO_Ant1_Low_2412



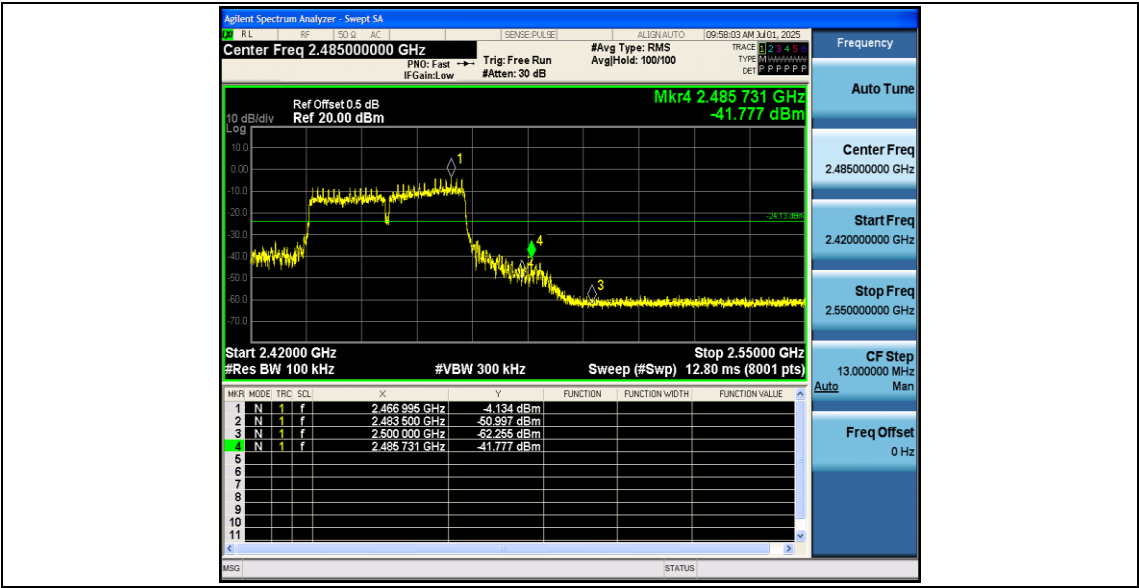
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

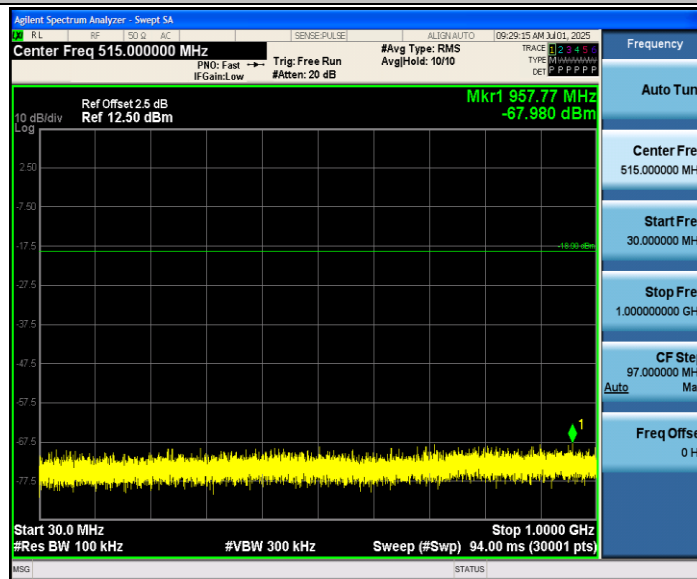
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.10	1.10	---	PASS
			30~1000	1.10	-67.98	≤-18.9	PASS
			1000~26500	1.10	-42.69	≤-18.9	PASS
		2437	Reference	1.92	1.92	---	PASS
			30~1000	1.92	-67.82	≤-18.08	PASS
			1000~26500	1.92	-39.58	≤-18.08	PASS
		2462	Reference	0.23	0.23	---	PASS
			30~1000	0.23	-67.97	≤-19.77	PASS
			1000~26500	0.23	-44.68	≤-19.77	PASS
11G	Ant1	2412	Reference	-1.01	-1.01	---	PASS
			30~1000	-1.01	-68.02	≤-21.01	PASS
			1000~26500	-1.01	-54.63	≤-21.01	PASS
		2437	Reference	-3.60	-3.60	---	PASS
			30~1000	-3.60	-67.66	≤-23.6	PASS
			1000~26500	-3.60	-47.2	≤-23.6	PASS
		2462	Reference	-2.26	-2.26	---	PASS
			30~1000	-2.26	-67.92	≤-22.26	PASS
			1000~26500	-2.26	-45.59	≤-22.26	PASS
11N20SISO	Ant1	2412	Reference	-1.58	-1.58	---	PASS
			30~1000	-1.58	-67.04	≤-21.58	PASS
			1000~26500	-1.58	-44.37	≤-21.58	PASS
		2437	Reference	-3.56	-3.56	---	PASS
			30~1000	-3.56	-67.22	≤-23.56	PASS
			1000~26500	-3.56	-48.08	≤-23.56	PASS
		2462	Reference	-2.24	-2.24	---	PASS
			30~1000	-2.24	-68.01	≤-22.24	PASS
			1000~26500	-2.24	-40.43	≤-22.24	PASS
11N40SISO	Ant1	2422	Reference	-4.95	-4.95	---	PASS
			30~1000	-4.95	-67.45	≤-24.95	PASS
			1000~26500	-4.95	-50.92	≤-24.95	PASS
		2437	Reference	-2.75	-2.75	---	PASS
			30~1000	-2.75	-68	≤-22.75	PASS
			1000~26500	-2.75	-46.57	≤-22.75	PASS
		2452	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-68.33	≤-24.39	PASS
			1000~26500	-4.39	-53.27	≤-24.39	PASS

Test Graphs

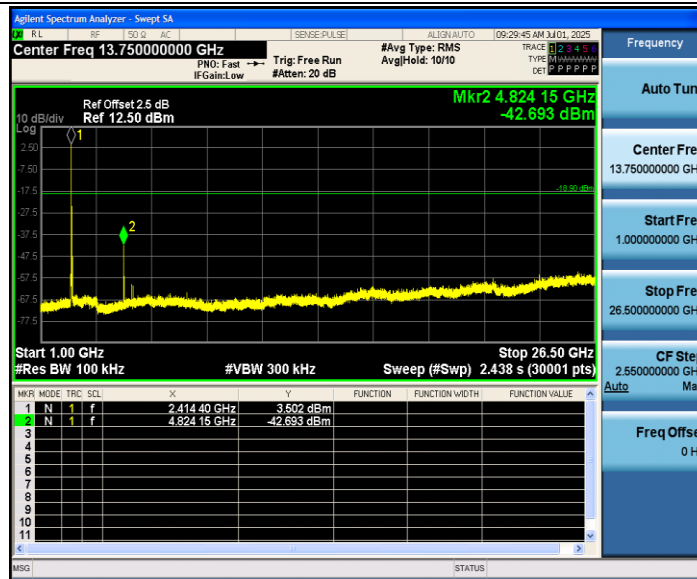
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



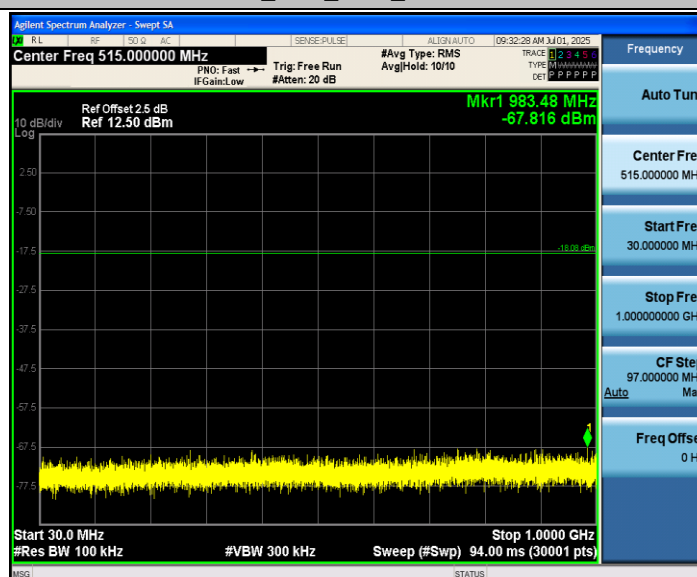
11B_Ant1_2412_1000~26500



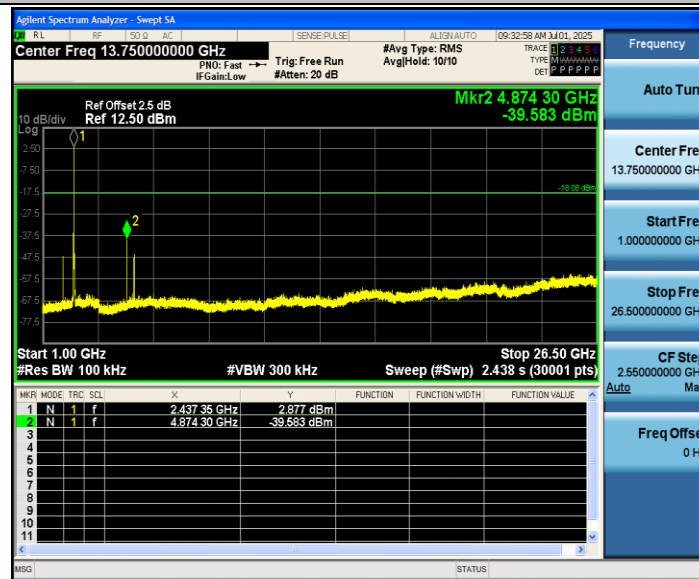
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



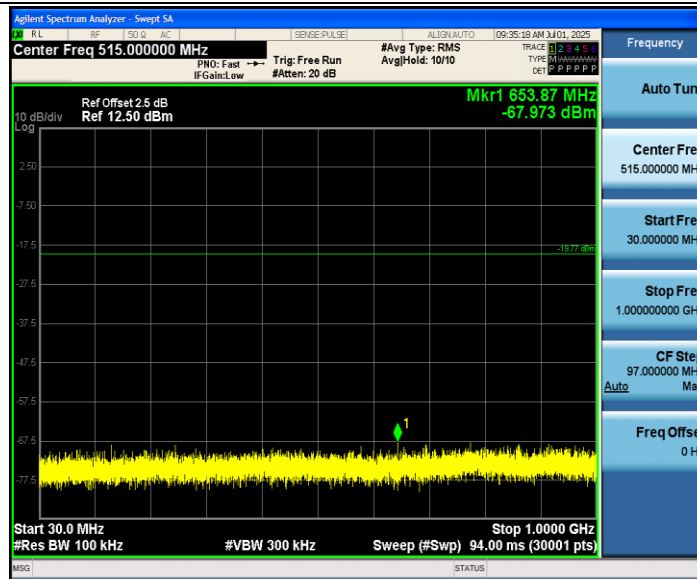
11B_Ant1_2437_1000~26500



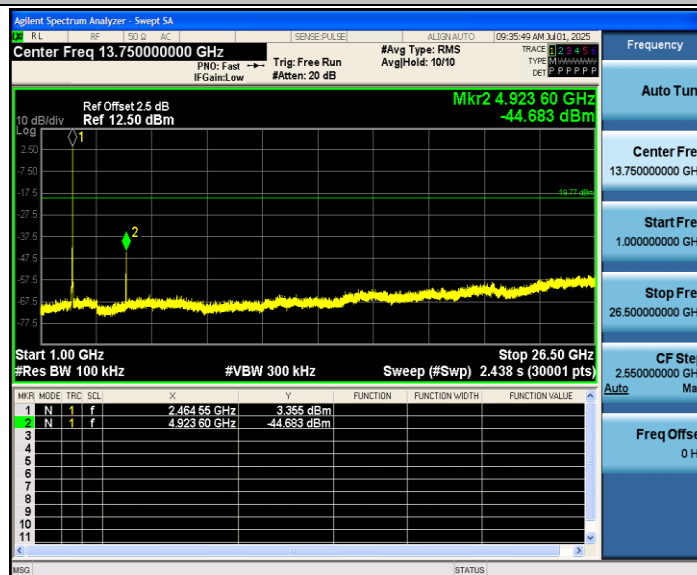
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



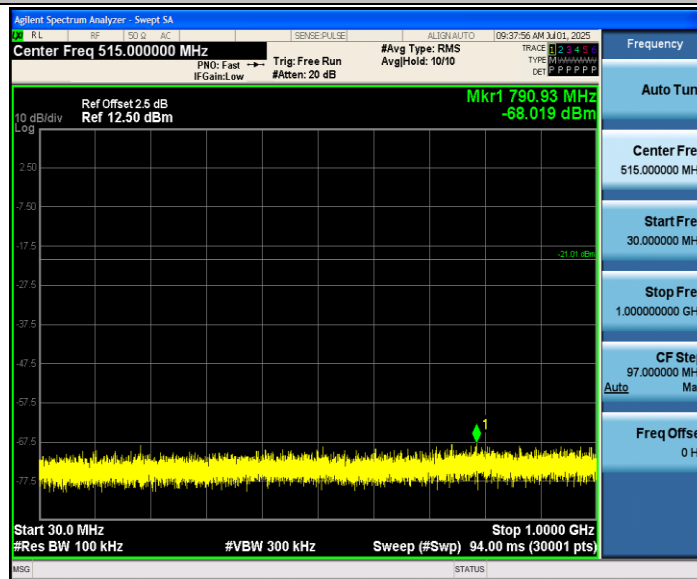
11B_Ant1_2462_1000~26500



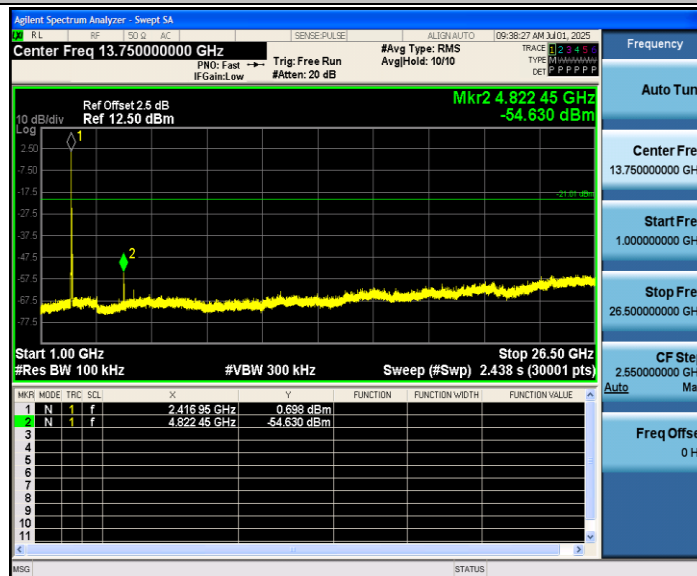
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



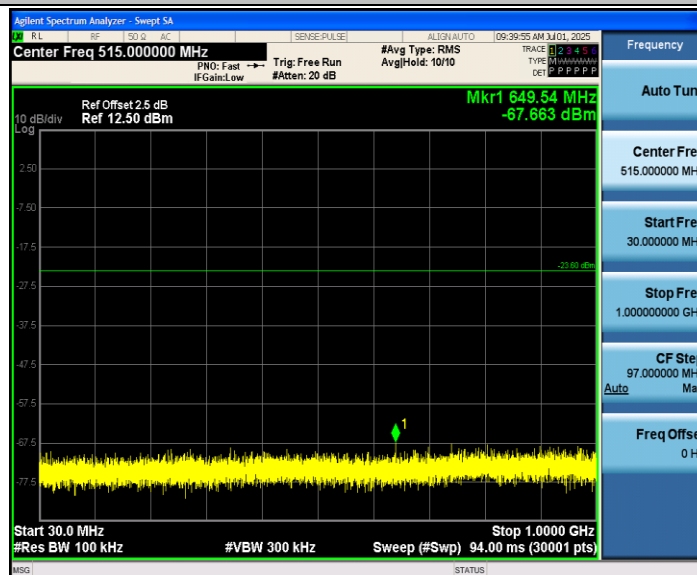
11G_Ant1_2412_1000~26500



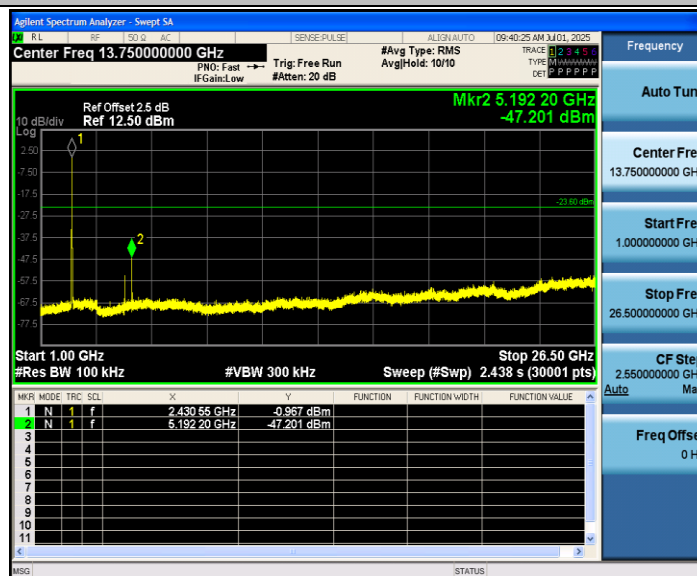
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



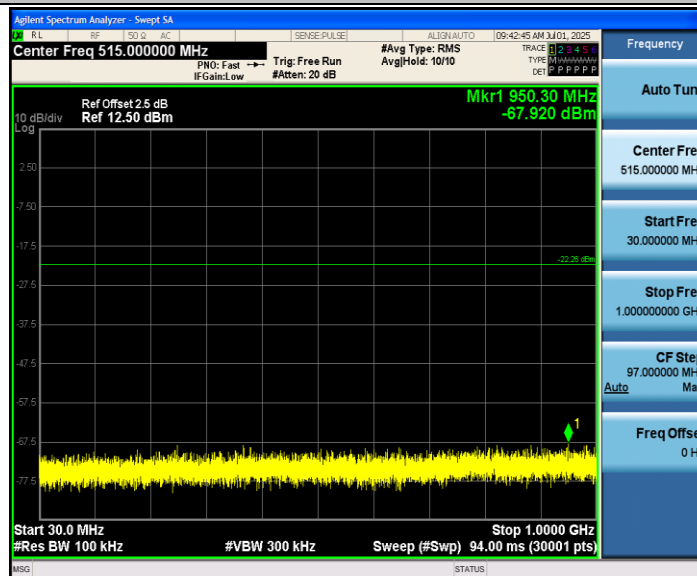
11G_Ant1_2437_1000~26500



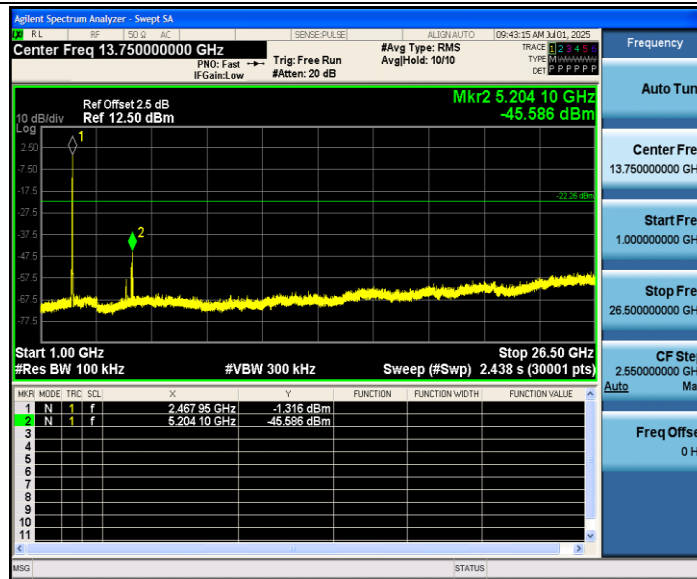
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

