

FCC Appendix RF Test Data

FCC ID : 2BQU2-LG07

Company : Shenzhen Qunlian Intelligent Manufacturing
Technology Co., Ltd

EUT : Lottery machine

Model Number : LG07

Report No. : CTA25062700301

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	8.000	2409.000	2417.000	0.5	PASS
		2437	9.520	2432.000	2441.520	0.5	PASS
		2462	9.080	2457.960	2467.040	0.5	PASS
11G	Ant1	2412	13.160	2407.000	2420.160	0.5	PASS
		2437	15.720	2428.840	2444.560	0.5	PASS
		2462	15.320	2454.480	2469.800	0.5	PASS
11N20SISO	Ant1	2412	13.200	2407.000	2420.200	0.5	PASS
		2437	16.040	2428.520	2444.560	0.5	PASS
		2462	15.680	2454.520	2470.200	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	35.520	2434.480	2470.000	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



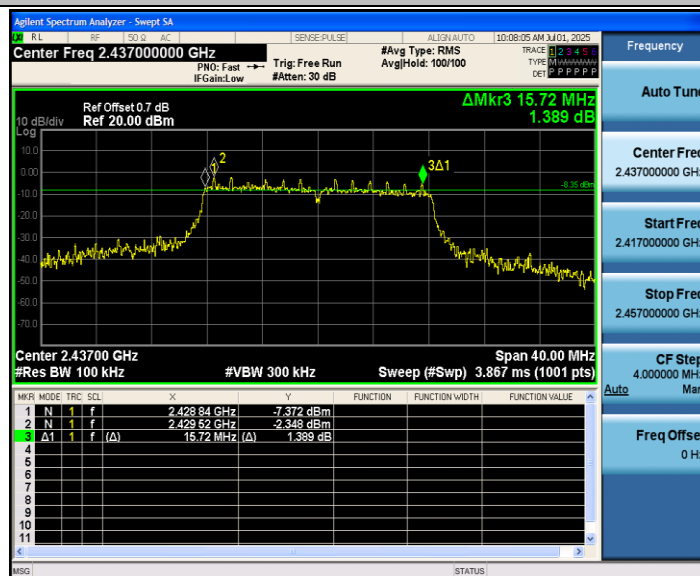
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



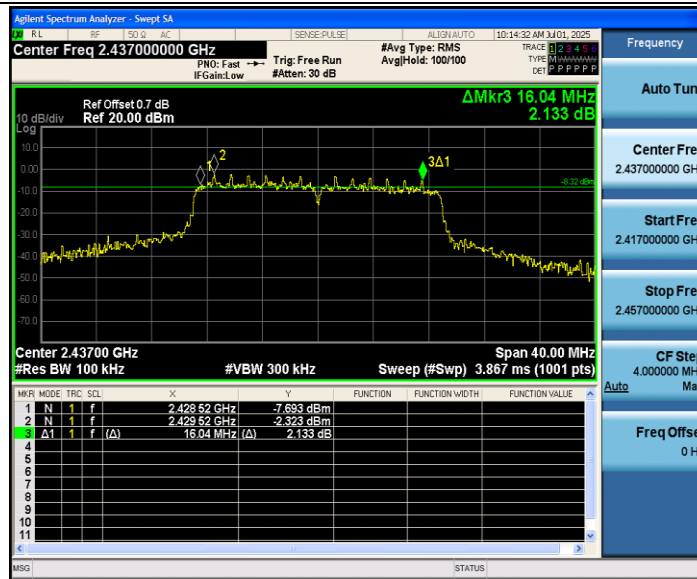
11G_Ant1_2462



11N20SISO_Ant1_2412



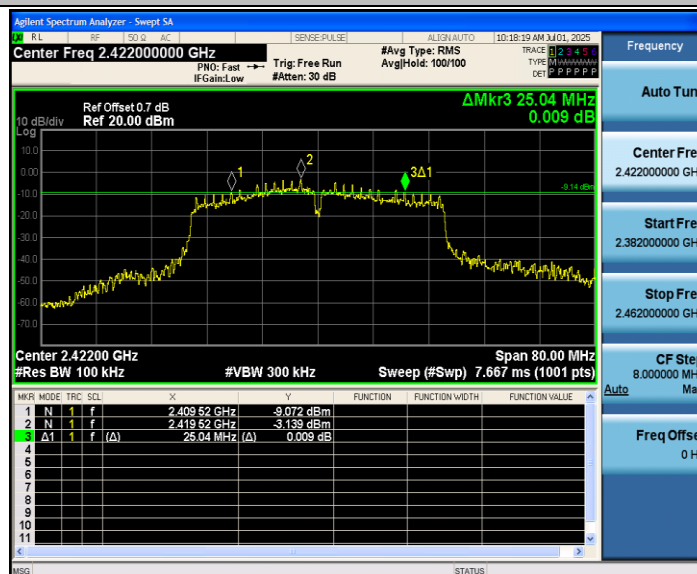
11N20SISO_Ant1_2437



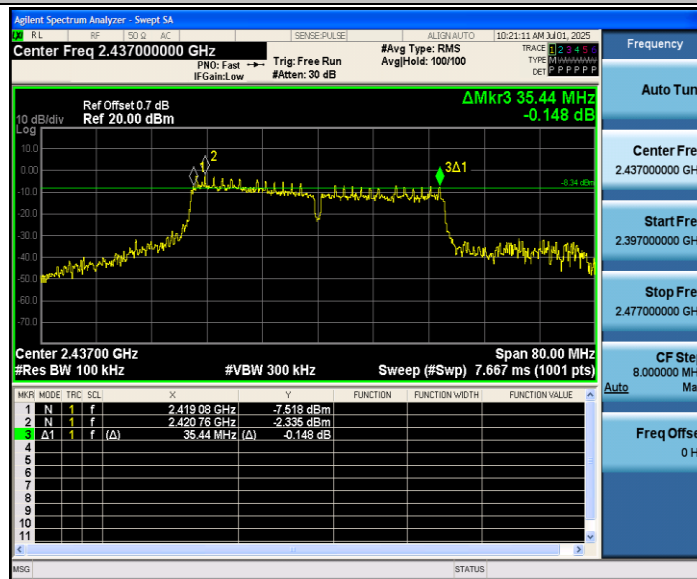
11N20SISO_Ant1_2462



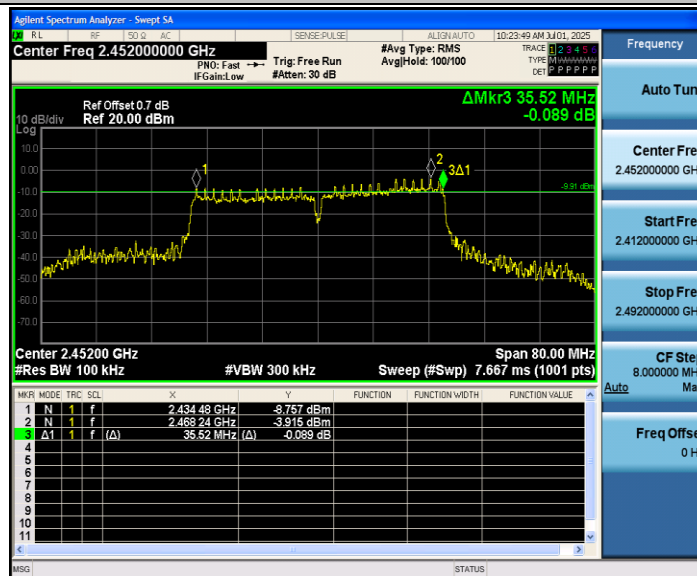
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



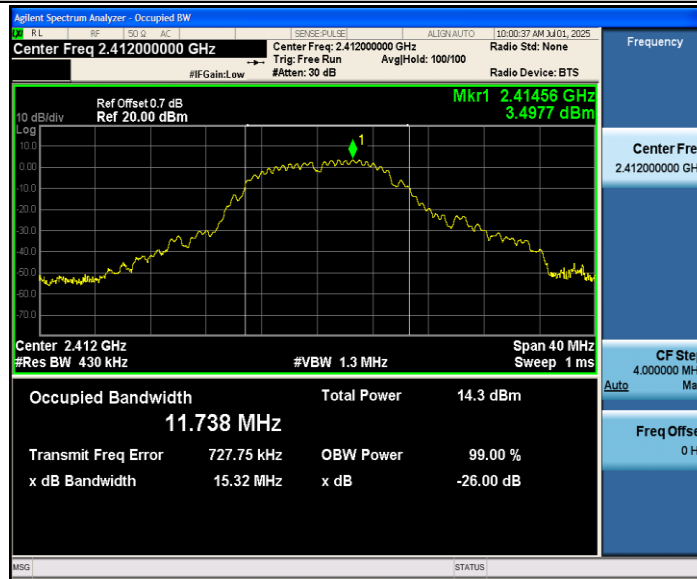
Appendix B: Occupied Channel Bandwidth

Test Result

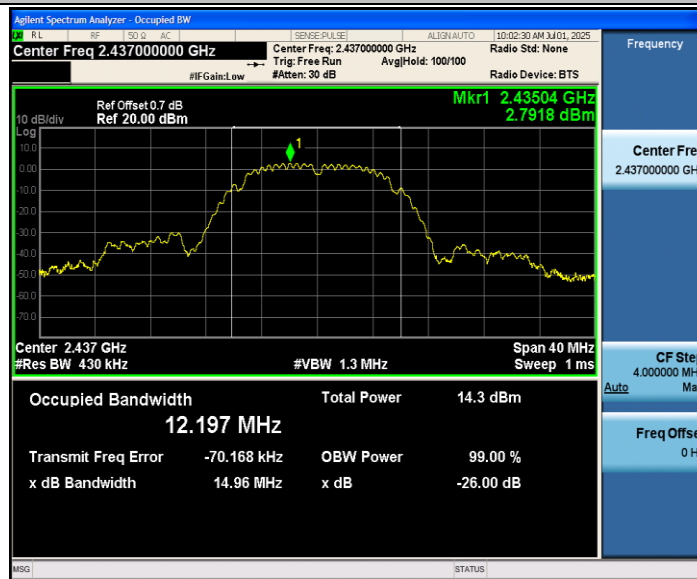
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.738	2406.8588	2418.5968	---	---
		2437	12.197	2430.8313	2443.0283	---	---
		2462	11.634	2456.5260	2468.1600	---	---
11G	Ant1	2412	16.670	2404.0474	2420.7174	---	---
		2437	16.826	2428.4544	2445.2804	---	---
		2462	16.519	2453.9040	2470.4230	---	---
11N20SISO	Ant1	2412	17.598	2403.5569	2421.1549	---	---
		2437	17.848	2427.9438	2445.7918	---	---
		2462	17.475	2453.4196	2470.8946	---	---
11N40SISO	Ant1	2422	35.385	2404.4667	2439.8517	---	---
		2437	36.577	2418.5799	2455.1569	---	---
		2452	36.506	2433.9948	2470.5008	---	---

Test Graphs

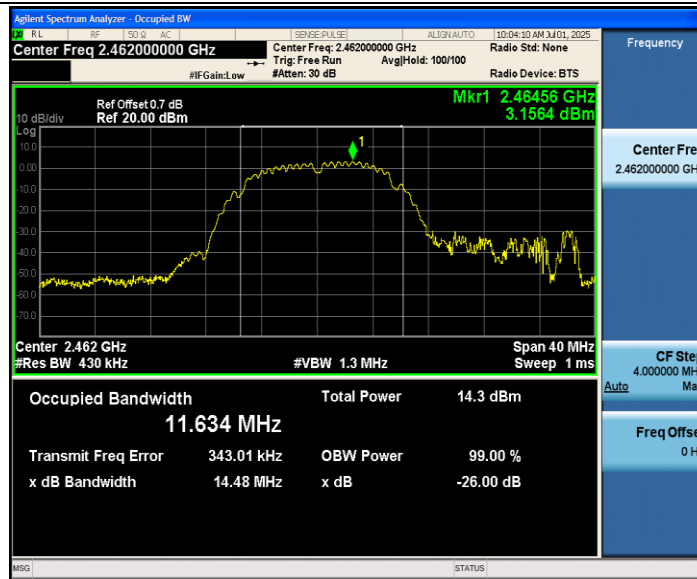
11B_Ant1_2412



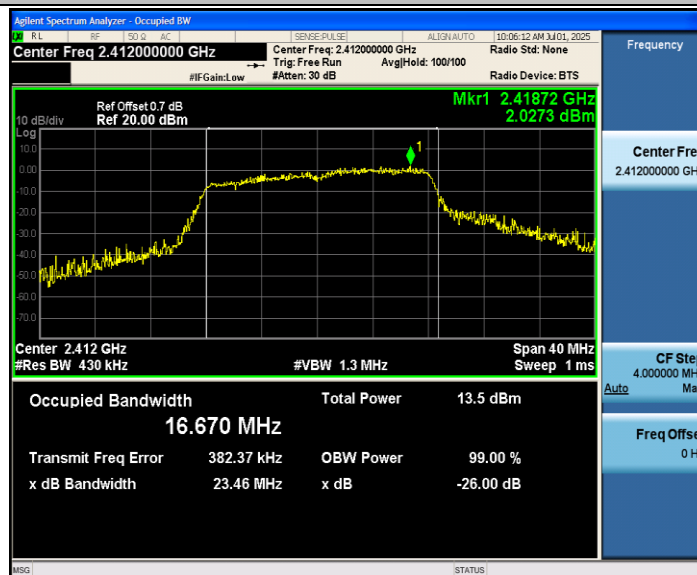
11B_Ant1_2437



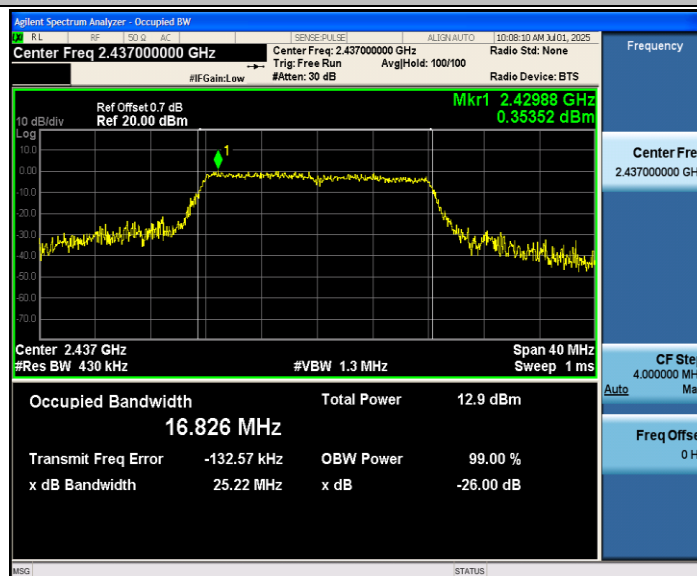
11B_Ant1_2462



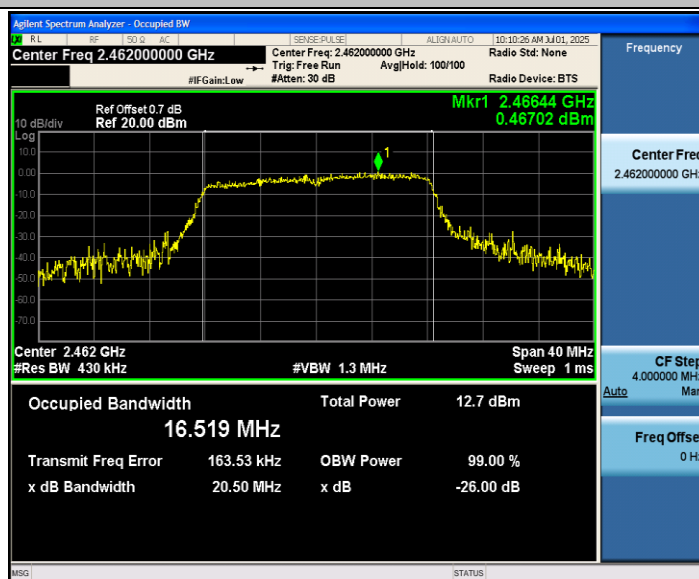
11G_Ant1_2412



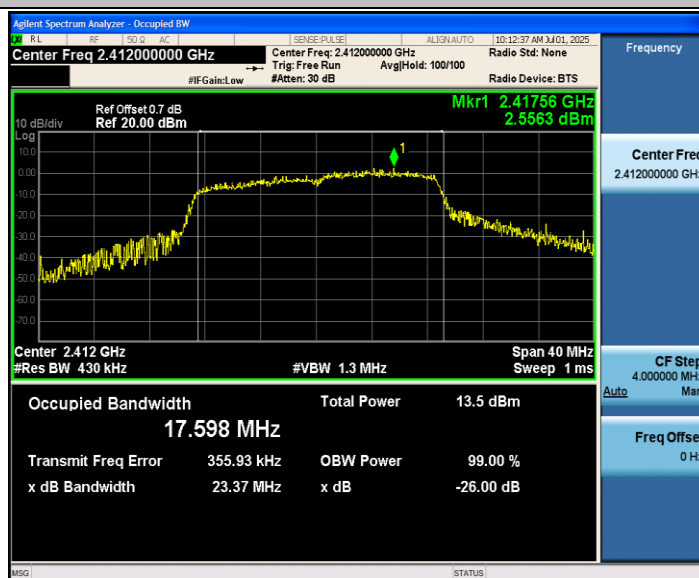
11G_Ant1_2437



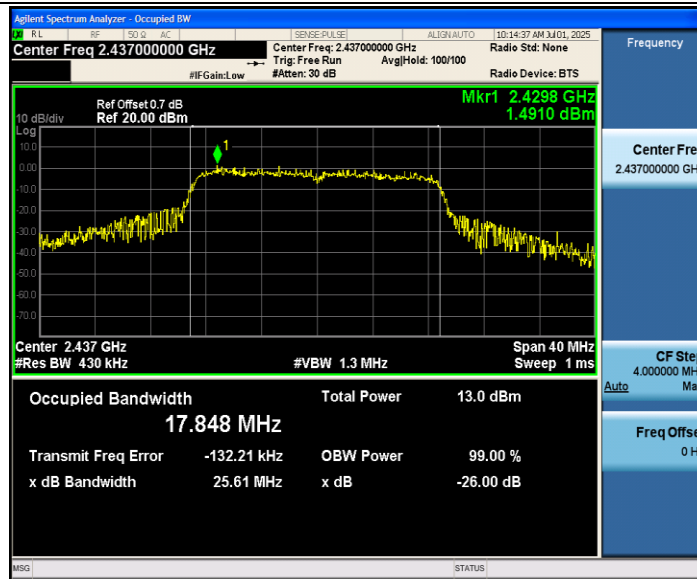
11G_Ant1_2462



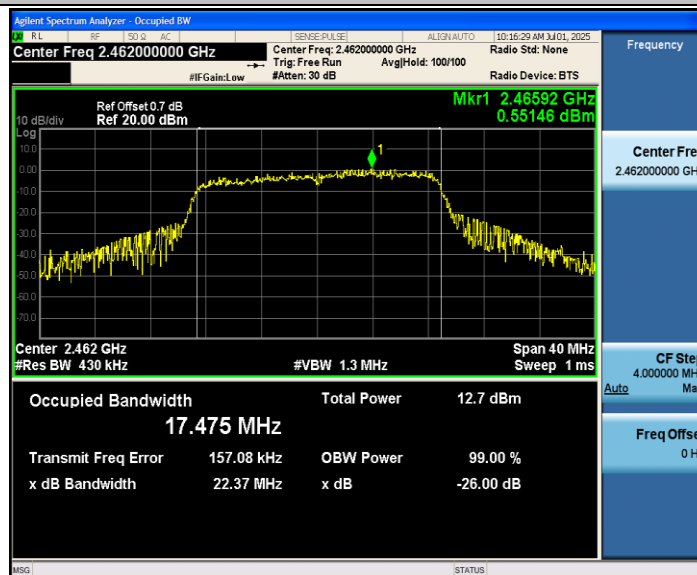
11N20SISO_Ant1_2412



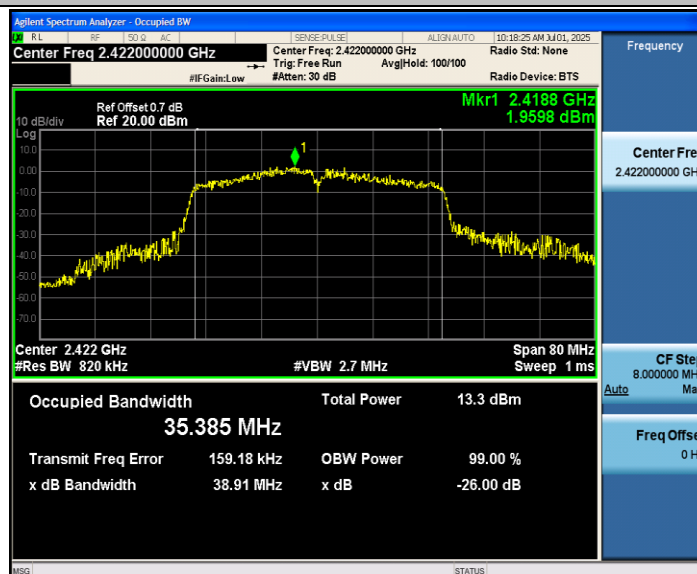
11N20SISO_Ant1_2437



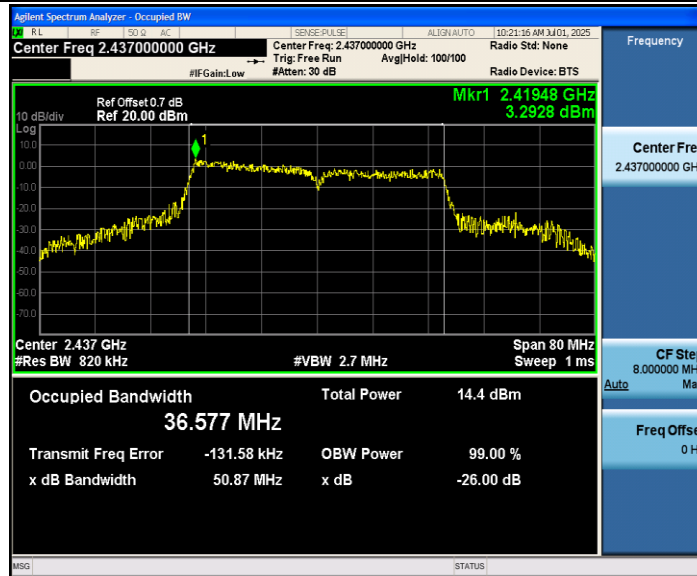
11N20SISO_Ant1_2462



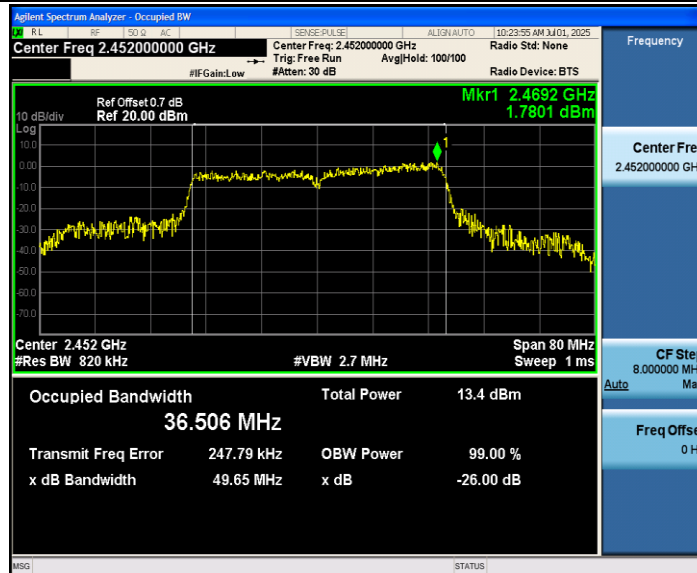
11N40SISO_Ant1_2422



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	13.88	≤30.00	PASS
		2437	14.20	≤30.00	PASS
		2462	14.11	≤30.00	PASS
11G	Ant1	2412	13.91	≤30.00	PASS
		2437	13.74	≤30.00	PASS
		2462	13.41	≤30.00	PASS
11N20SISO	Ant1	2412	13.67	≤30.00	PASS
		2437	13.36	≤30.00	PASS
		2462	13.13	≤30.00	PASS
11N40SISO	Ant1	2422	12.77	≤30.00	PASS
		2437	13.32	≤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	-11.38	≤8.00	PASS
		2437	-12.15	≤8.00	PASS
		2462	-11.01	≤8.00	PASS
11G	Ant1	2412	-17.49	≤8.00	PASS
		2437	-18.84	≤8.00	PASS
		2462	-18.18	≤8.00	PASS
11N20SISO	Ant1	2412	-16.97	≤8.00	PASS
		2437	-17.71	≤8.00	PASS
		2462	-18.38	≤8.00	PASS
11N40SISO	Ant1	2422	-19.11	≤8.00	PASS
		2437	-20.31	≤8.00	PASS
		2452	-19.95	≤8.00	PASS

Test Graphs

11B_Ant1_2412



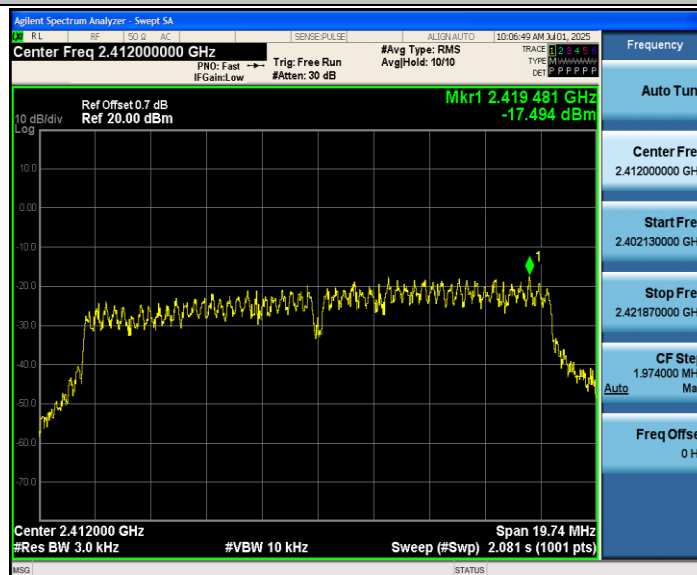
11B_Ant1_2437



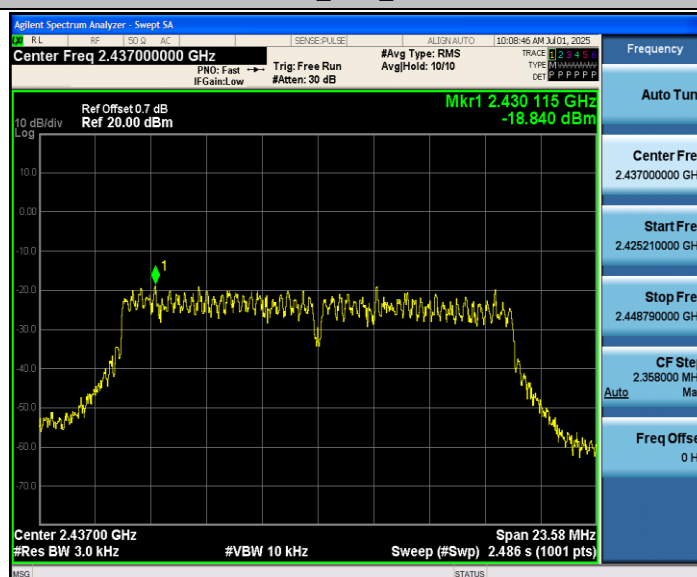
11B_Ant1_2462



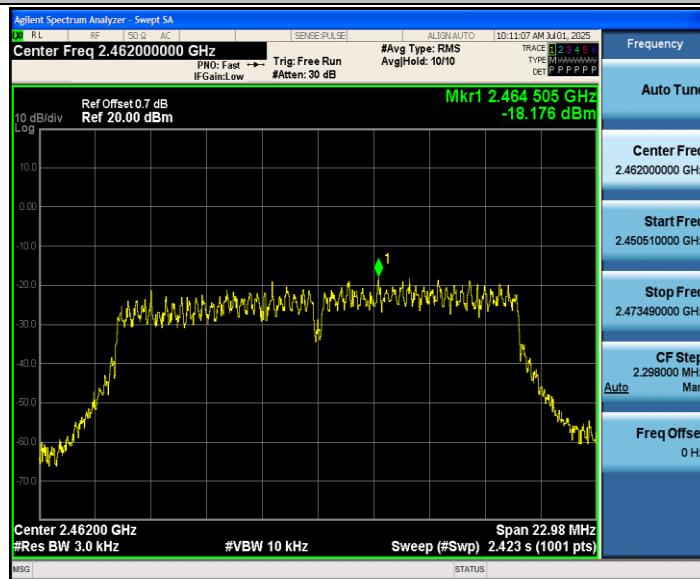
11G_Ant1_2412



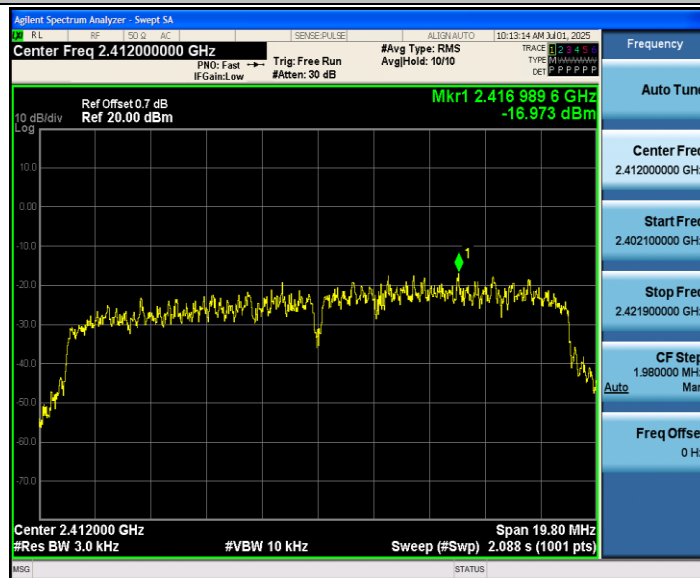
11G_Ant1_2437



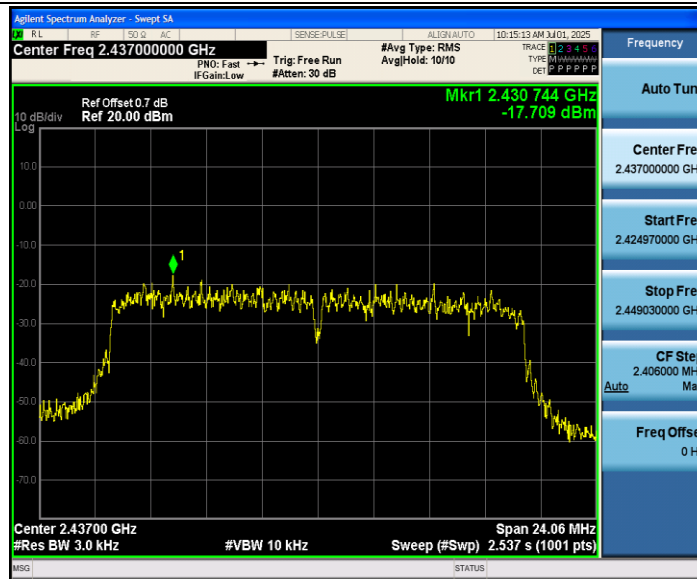
11G_Ant1_2462



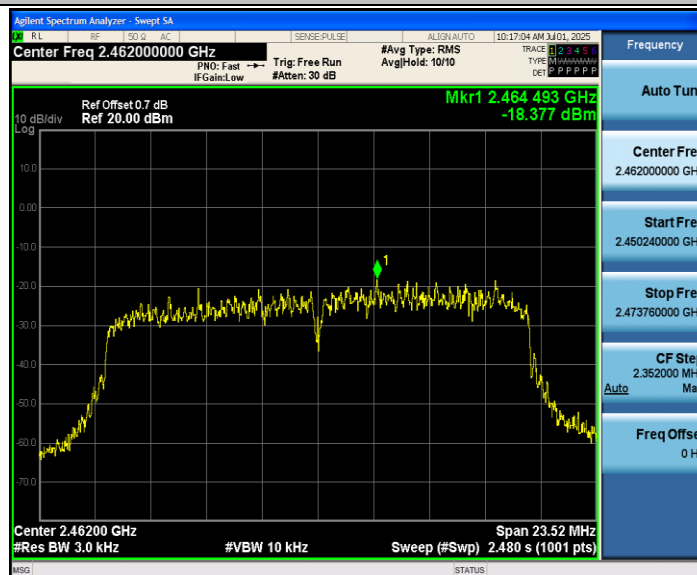
11N20SISO_Ant1_2412



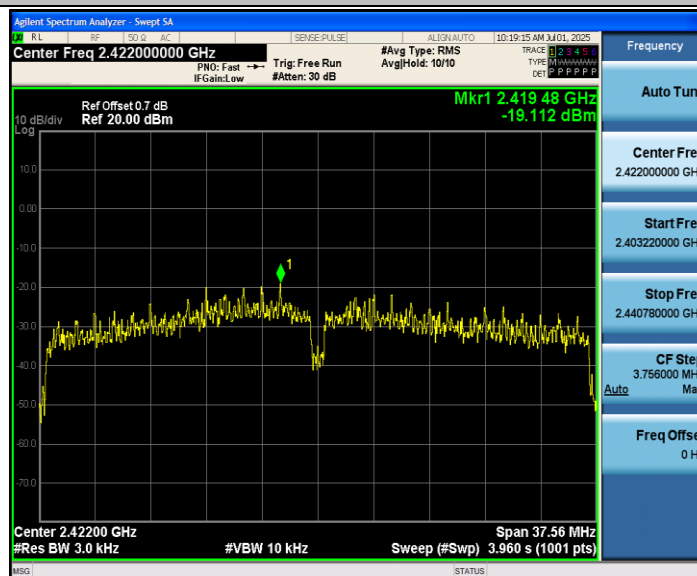
11N20SISO_Ant1_2437



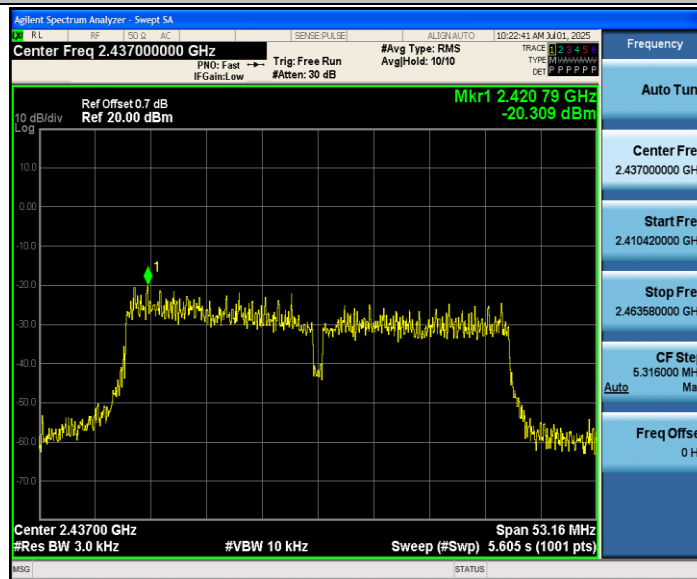
11N20SISO_Ant1_2462



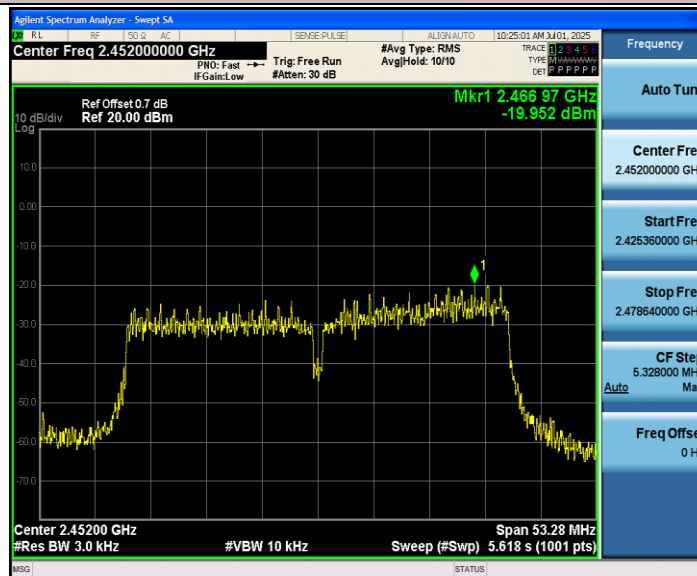
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



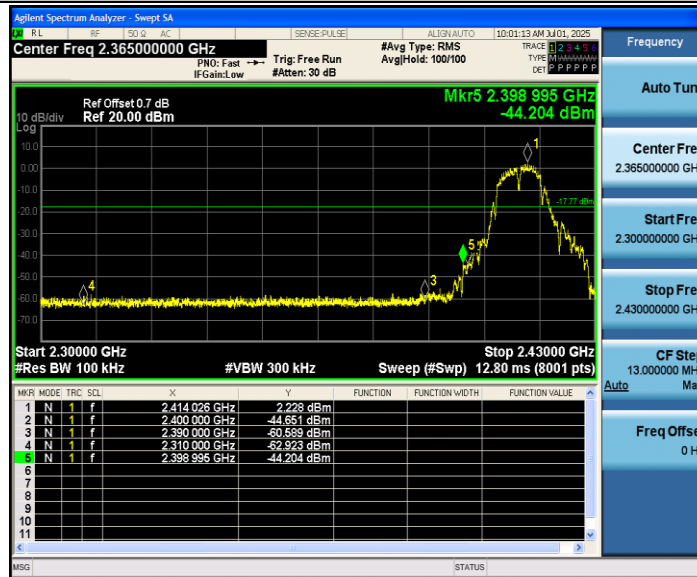
Appendix E: Band edge measurements

Test Result

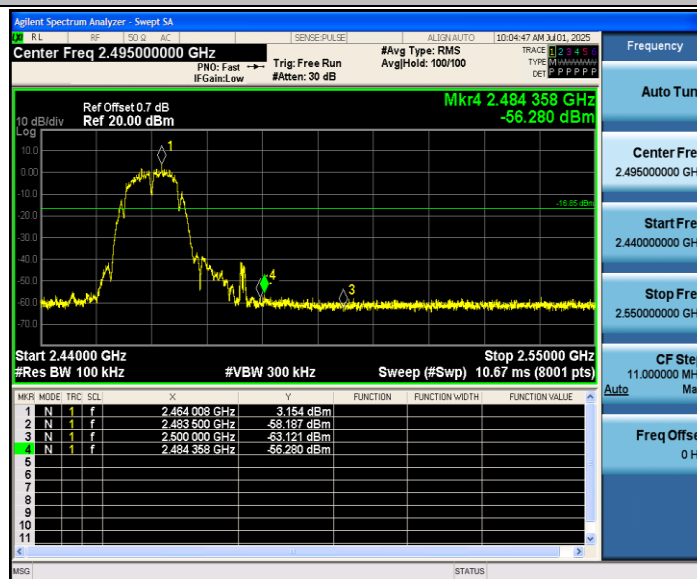
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.23	-44.2	≤-17.77	PASS
		High	2462	3.15	-56.28	≤-16.85	PASS
11G	Ant1	Low	2412	-0.72	-42.01	≤-20.72	PASS
		High	2462	-2.45	-51.48	≤-22.45	PASS
11N20SISO	Ant1	Low	2412	-0.73	-38.46	≤-20.73	PASS
		High	2462	-2.27	-52.5	≤-22.27	PASS
11N40SISO	Ant1	Low	2422	-3.20	-43.27	≤-23.2	PASS
		High	2452	-3.94	-41.42	≤-23.94	PASS

Test Graphs

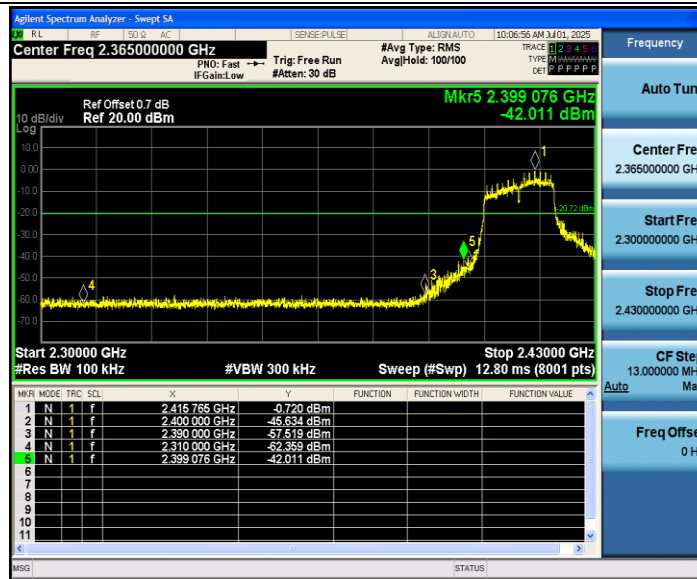
11B_Ant1_Low_2412



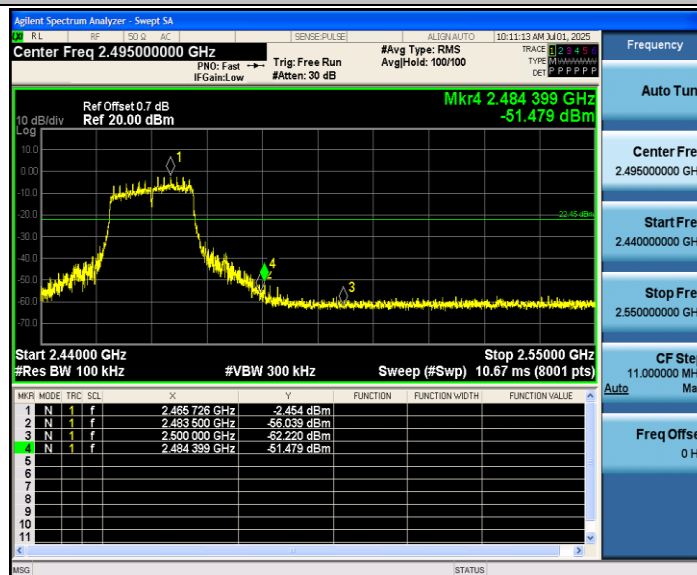
11B_Ant1_High_2462



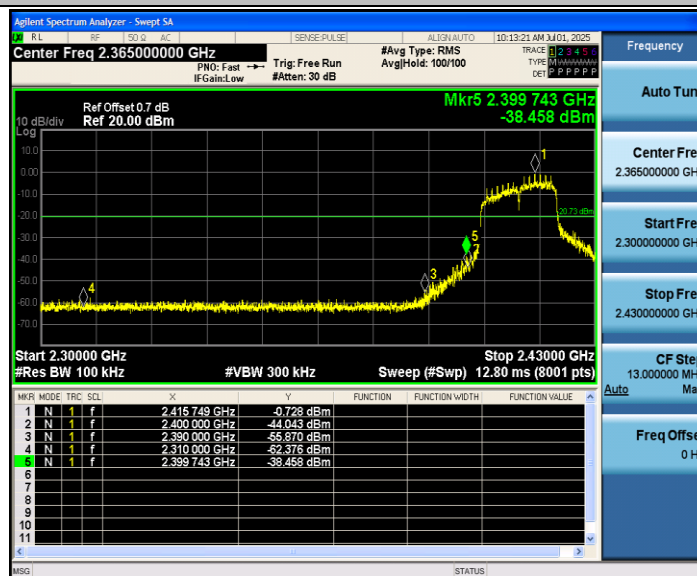
11G_Ant1_Low_2412



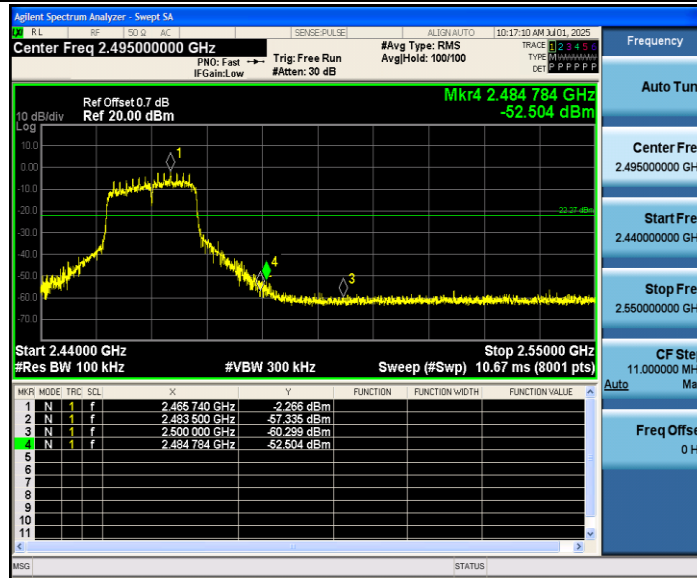
11G_Ant1_High_2462



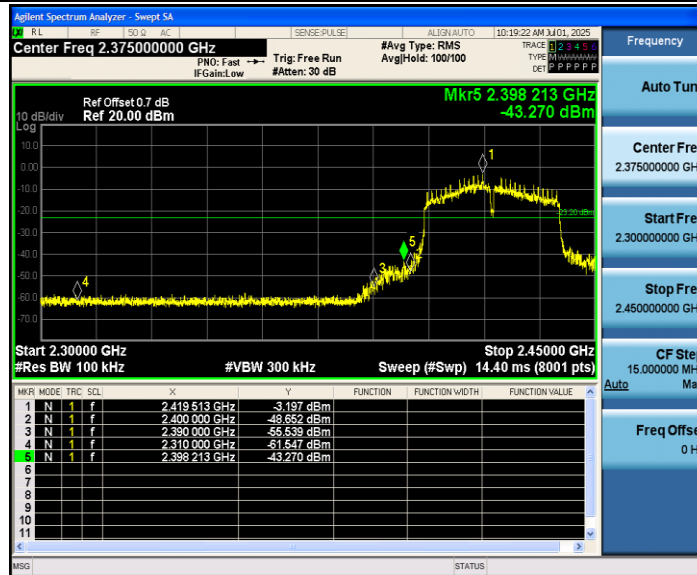
11N20SISO_Ant1_Low_2412



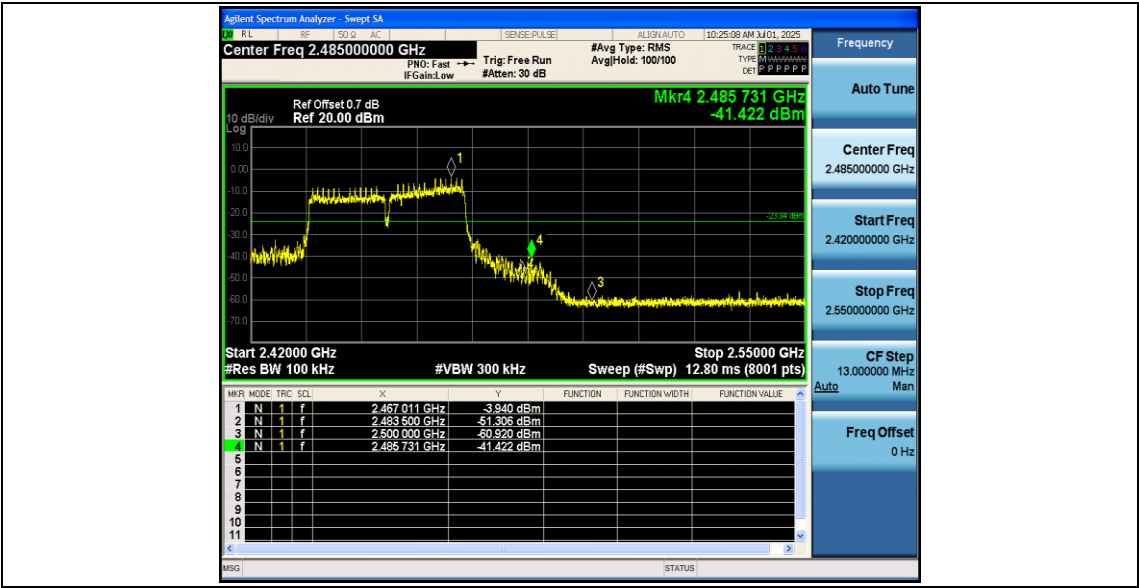
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

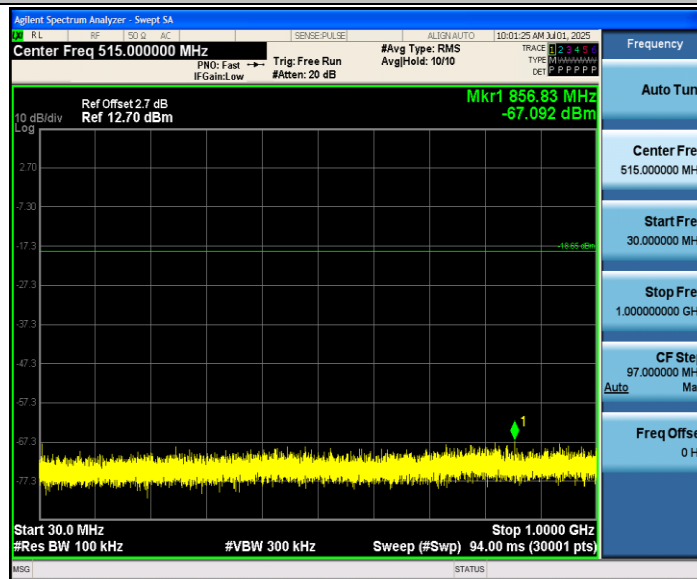
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.35	1.35	---	PASS
			30~1000	1.35	-67.09	≤-18.65	PASS
			1000~26500	1.35	-42.68	≤-18.65	PASS
		2437	Reference	1.10	1.10	---	PASS
			30~1000	1.10	-67.54	≤-18.9	PASS
			1000~26500	1.10	-39.24	≤-18.9	PASS
		2462	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-67.98	≤-18.59	PASS
			1000~26500	1.41	-41.65	≤-18.59	PASS
11G	Ant1	2412	Reference	-1.09	-1.09	---	PASS
			30~1000	-1.09	-67.38	≤-21.09	PASS
			1000~26500	-1.09	-48.05	≤-21.09	PASS
		2437	Reference	-4.41	-4.41	---	PASS
			30~1000	-4.41	-67.32	≤-24.41	PASS
			1000~26500	-4.41	-48.97	≤-24.41	PASS
		2462	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-68.08	≤-22.11	PASS
			1000~26500	-2.11	-46.74	≤-22.11	PASS
11N20SISO	Ant1	2412	Reference	-1.68	-1.68	---	PASS
			30~1000	-1.68	-67.11	≤-21.68	PASS
			1000~26500	-1.68	-48.78	≤-21.68	PASS
		2437	Reference	-2.73	-2.73	---	PASS
			30~1000	-2.73	-67.69	≤-22.73	PASS
			1000~26500	-2.73	-53.21	≤-22.73	PASS
		2462	Reference	-2.06	-2.06	---	PASS
			30~1000	-2.06	-67.47	≤-22.06	PASS
			1000~26500	-2.06	-53.07	≤-22.06	PASS
11N40SISO	Ant1	2422	Reference	-3.66	-3.66	---	PASS
			30~1000	-3.66	-67.38	≤-23.66	PASS
			1000~26500	-3.66	-52.89	≤-23.66	PASS
		2437	Reference	-4.23	-4.23	---	PASS
			30~1000	-4.23	-67.7	≤-24.23	PASS
			1000~26500	-4.23	-50.22	≤-24.23	PASS
		2452	Reference	-4.71	-4.71	---	PASS
			30~1000	-4.71	-67.55	≤-24.71	PASS
			1000~26500	-4.71	-54.25	≤-24.71	PASS

Test Graphs

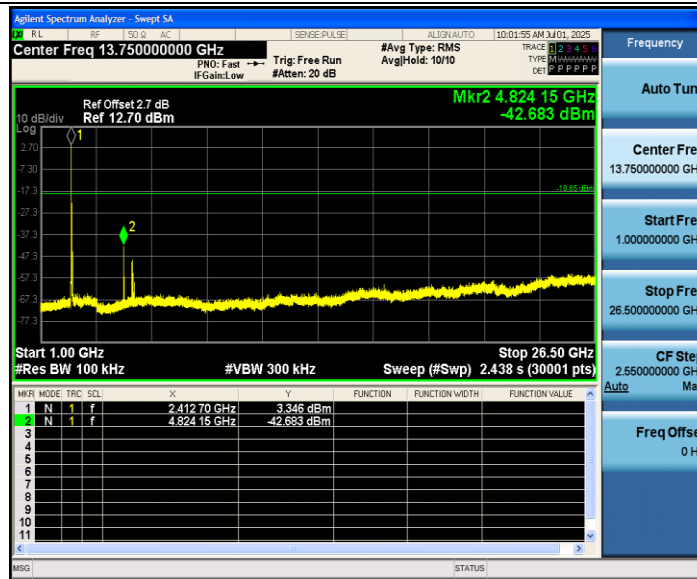
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



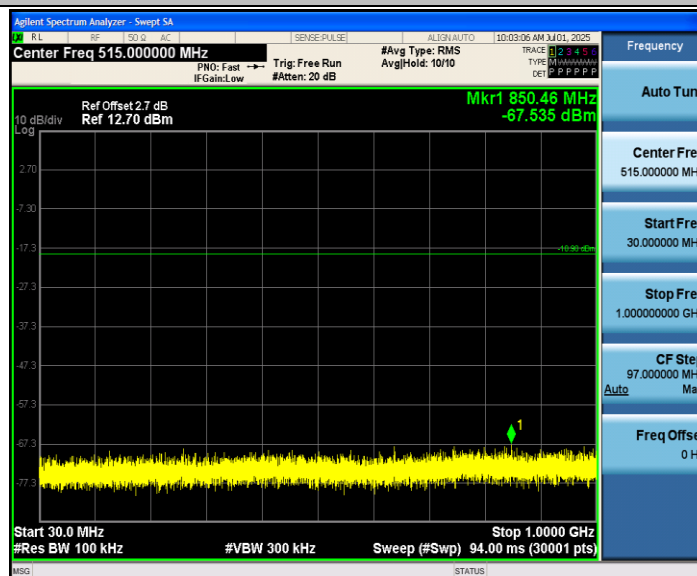
11B_Ant1_2412_1000~26500



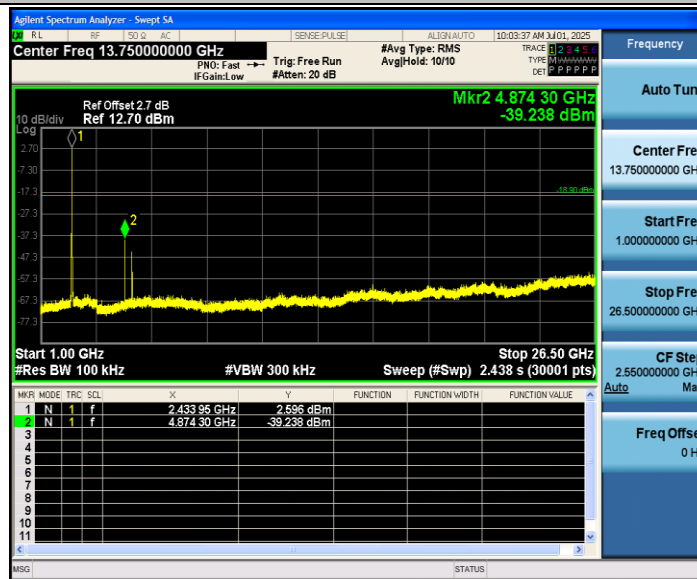
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



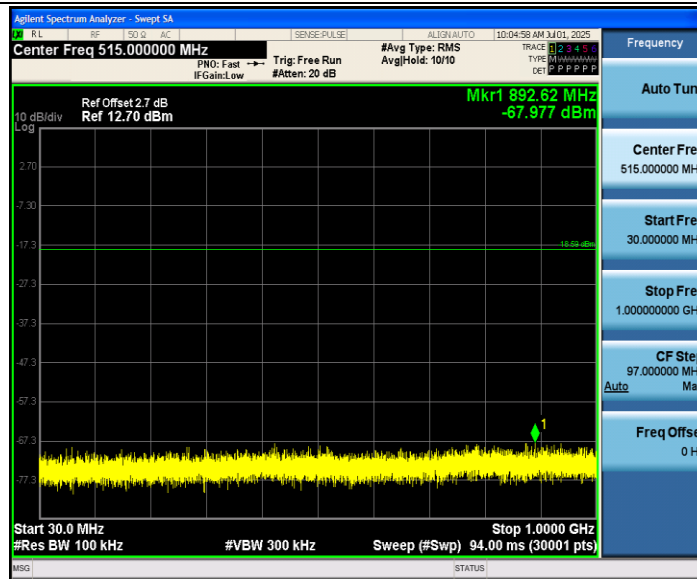
11B_Ant1_2437_1000~26500



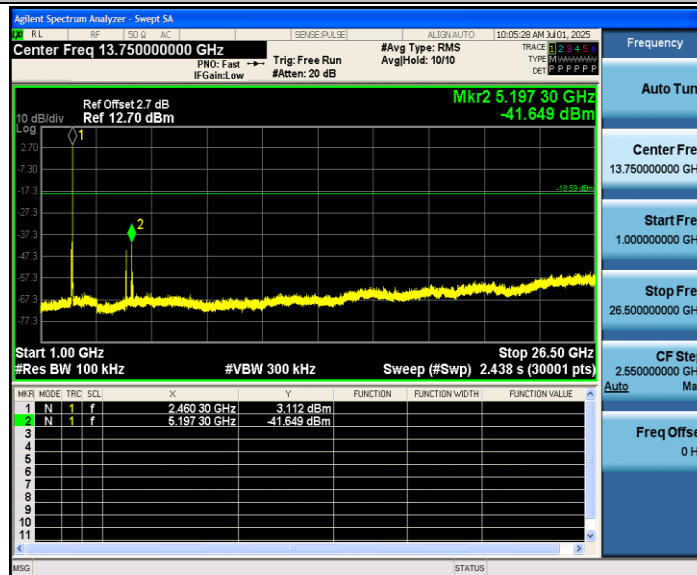
11B_Ant1_2462_0~Reference



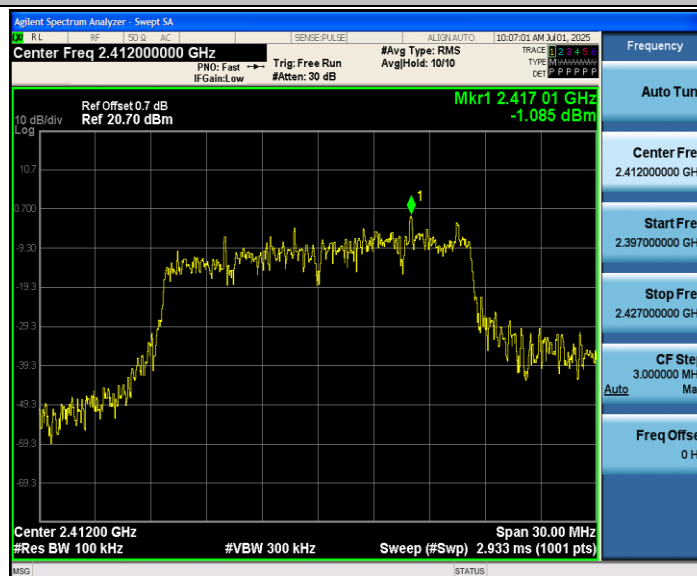
11B_Ant1_2462_30~1000



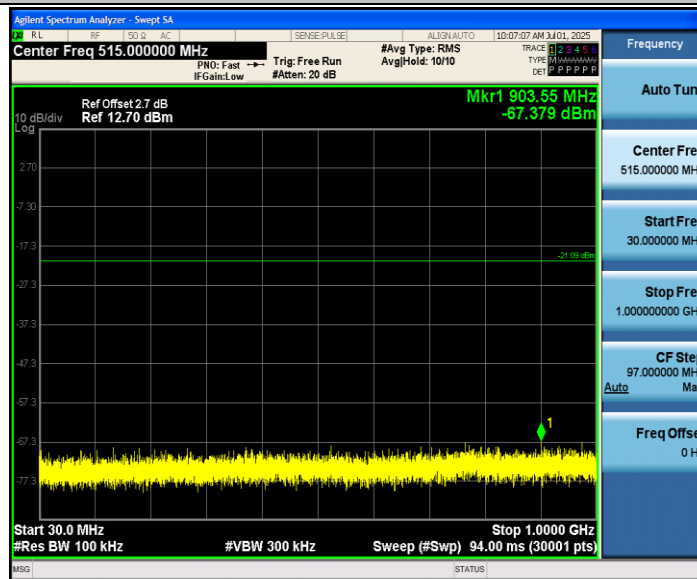
11B_Ant1_2462_1000~26500



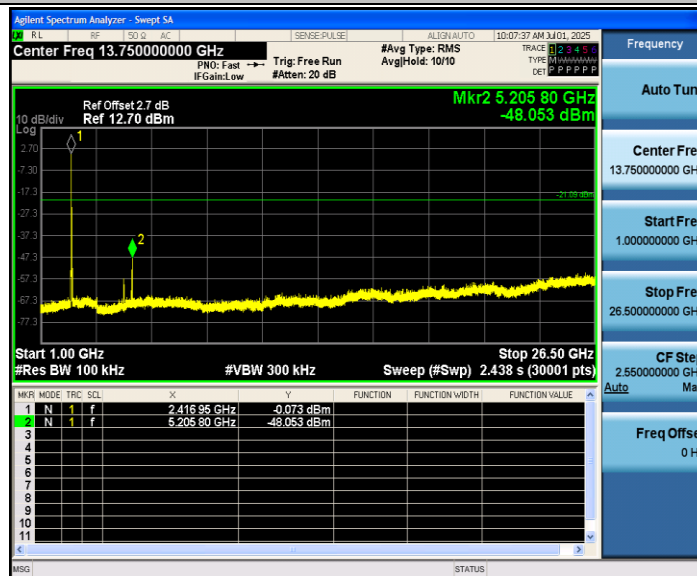
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



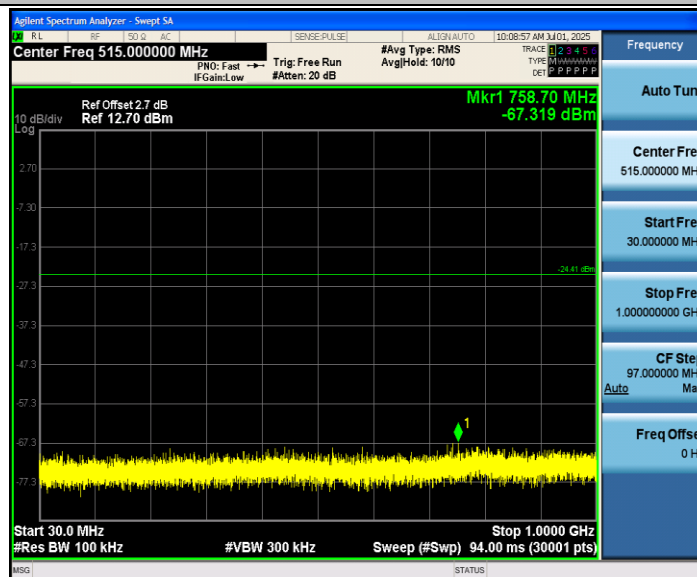
11G_Ant1_2412_1000~26500



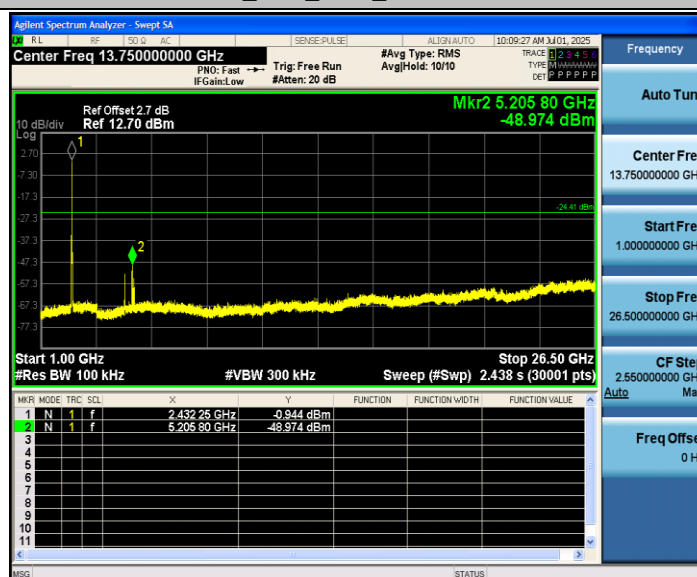
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



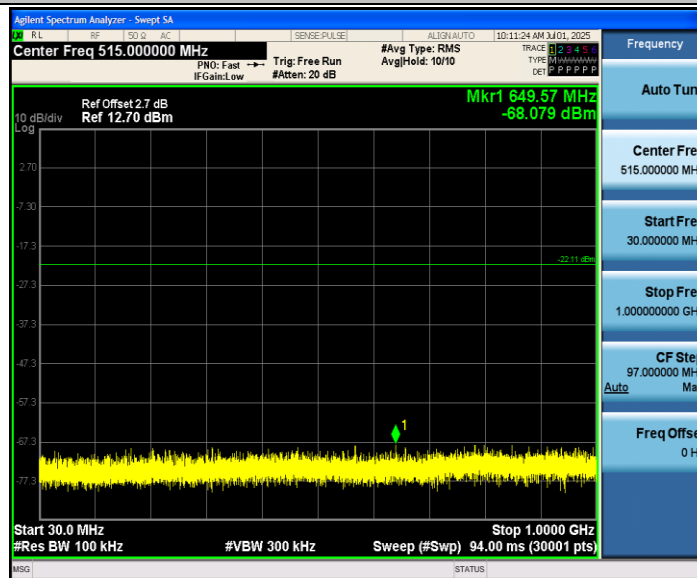
11G_Ant1_2437_1000~26500



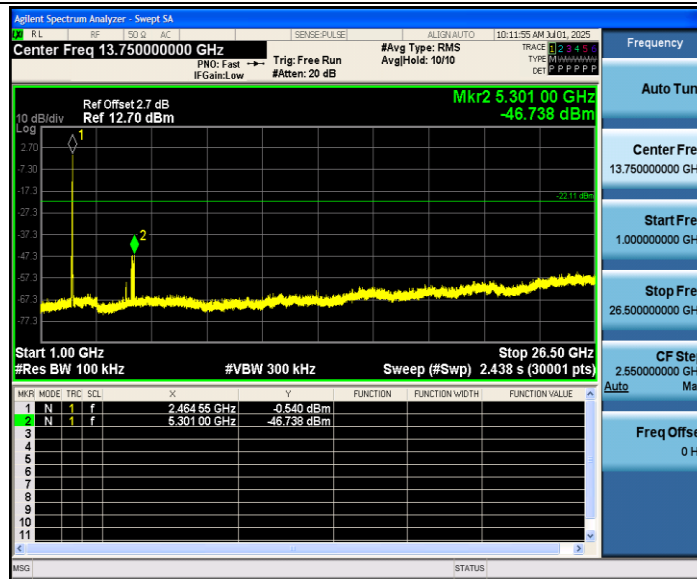
11G_Ant1_2462_0~Reference



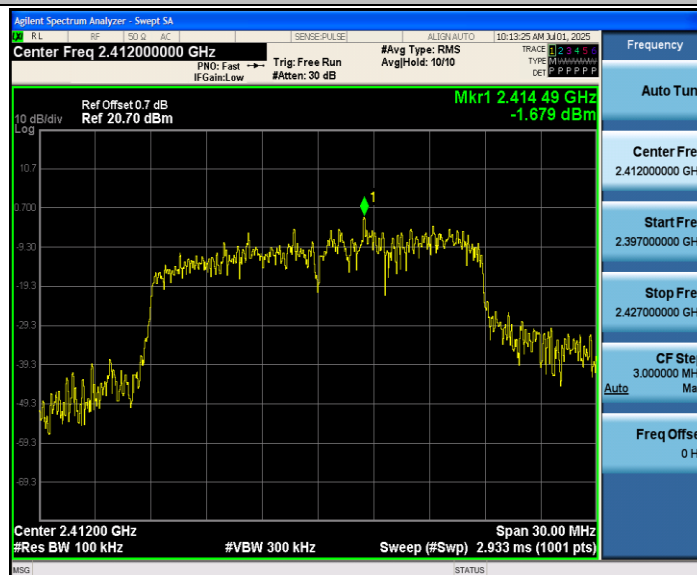
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

