

Appendix RF Test Data for 2.4GWIFI

FCC ID : **2BFMG-C92**

Company : **Shenzhen Chuangzhan Hong Electronic Technology Co., Ltd.**

EUT : **Magnetic Selfie Screen**

Model Number : **C92**

Report No. : **CTA25090300102**

Reviewed By : **Eric Wang**

Appendix A: DTS Bandwidth

Test Result

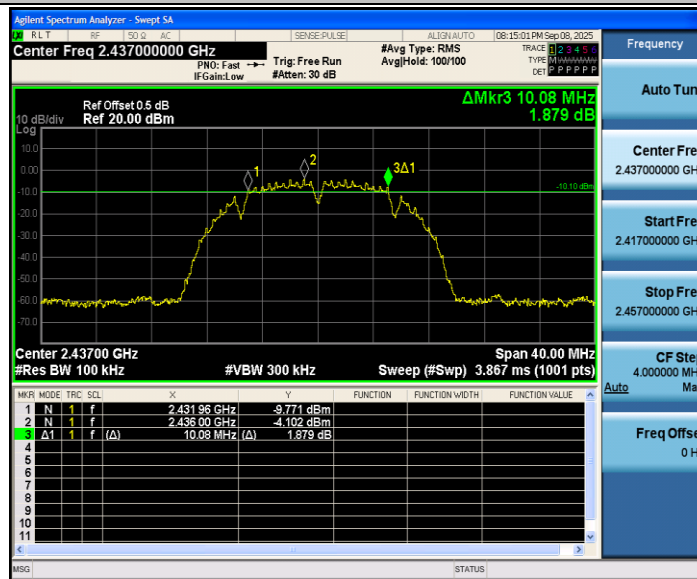
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.080	2429.480	2444.560	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.480	2439.600	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

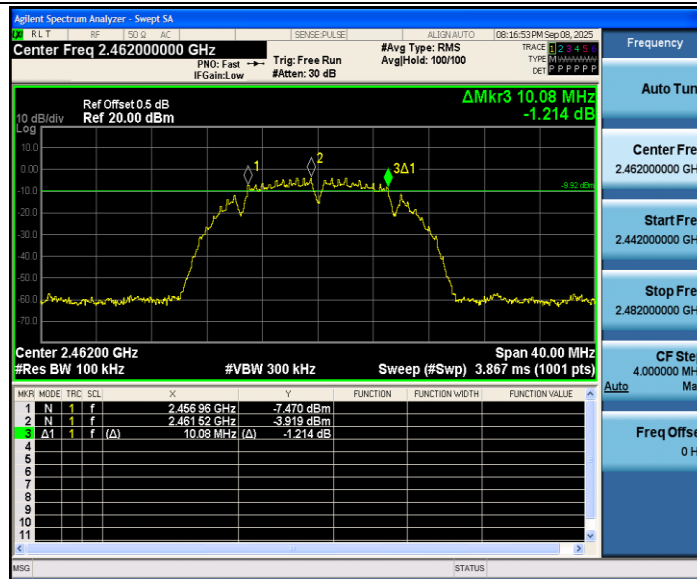
11B_Ant1_2412



11B_Ant1_2437



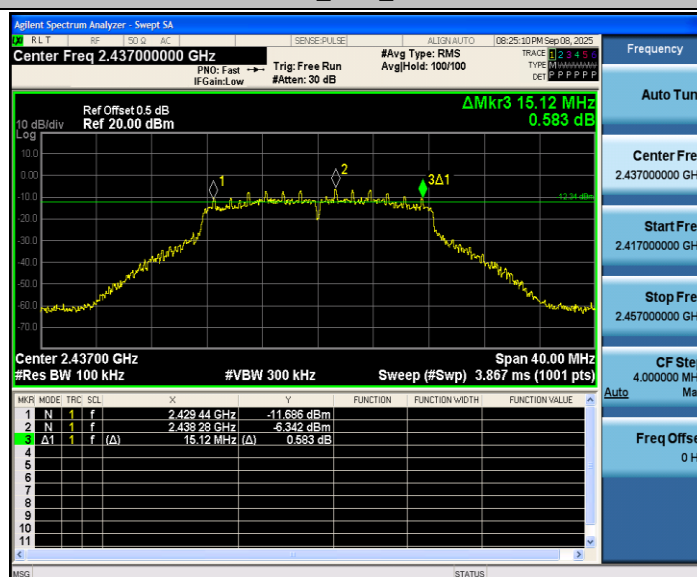
11B_Ant1_2462

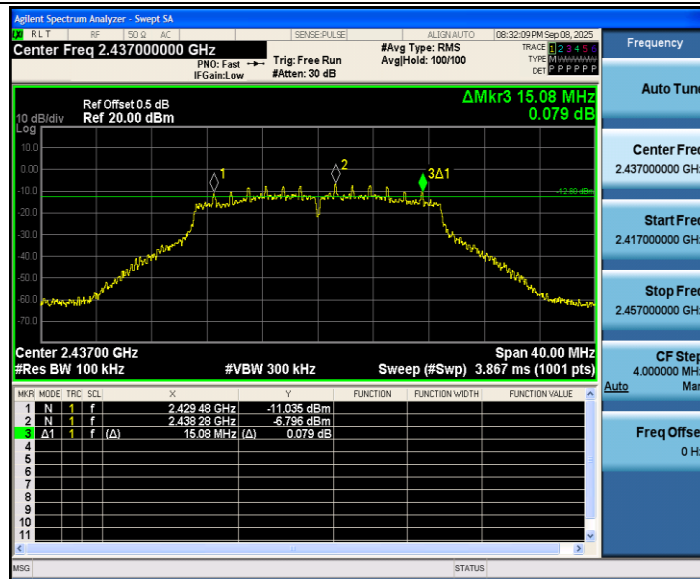


11G_Ant1_2412



11G_Ant1_2437

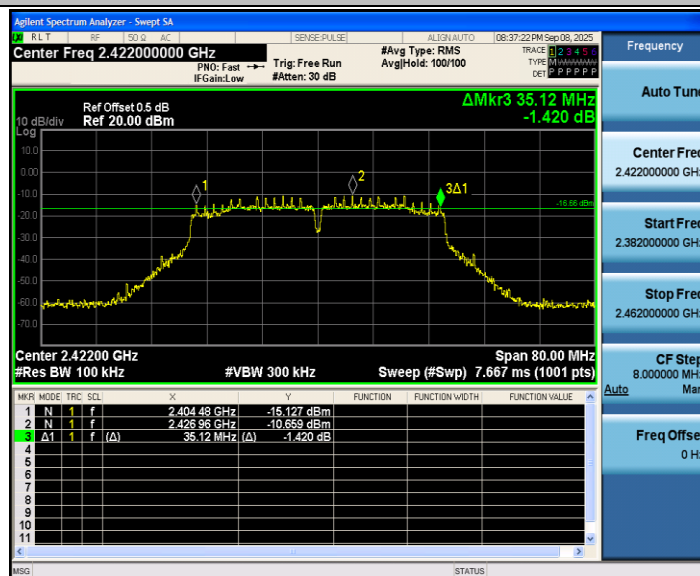




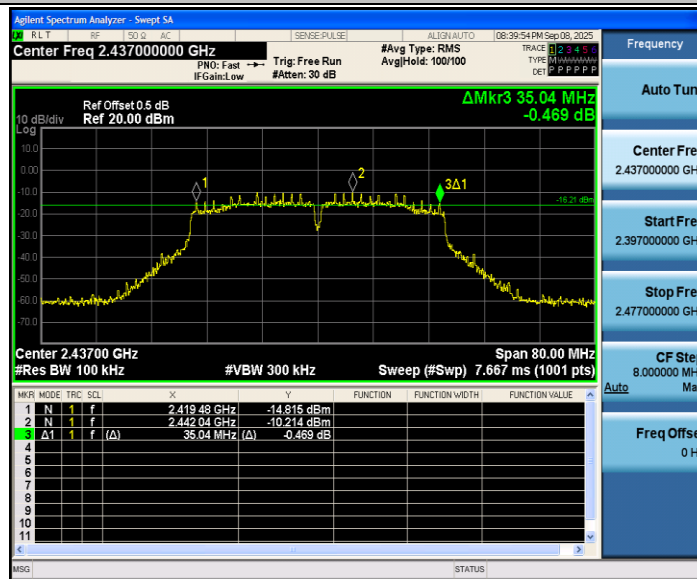
11N20SISO_Ant1_2462



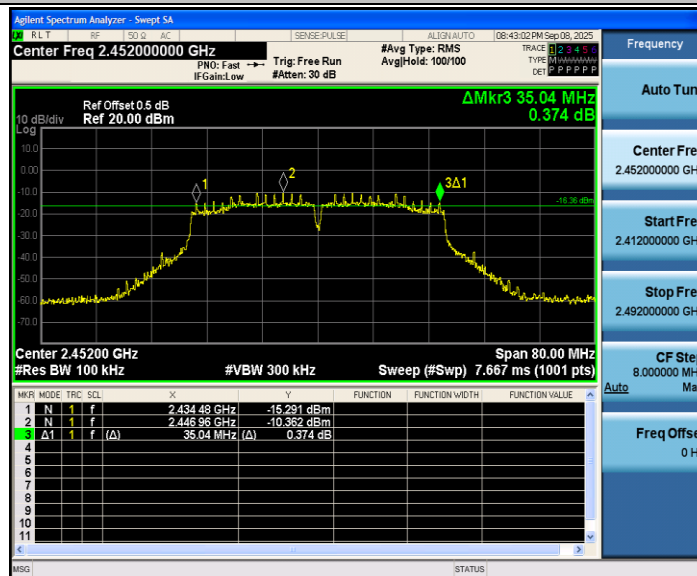
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



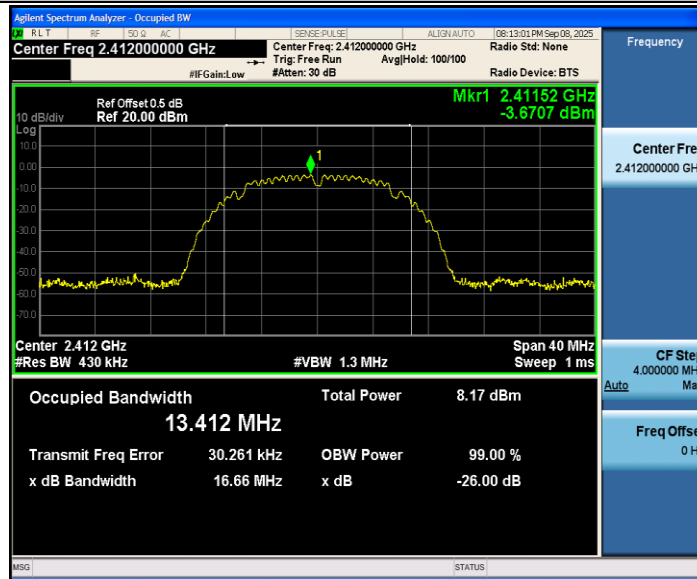
Appendix B: Occupied Channel Bandwidth

Test Result

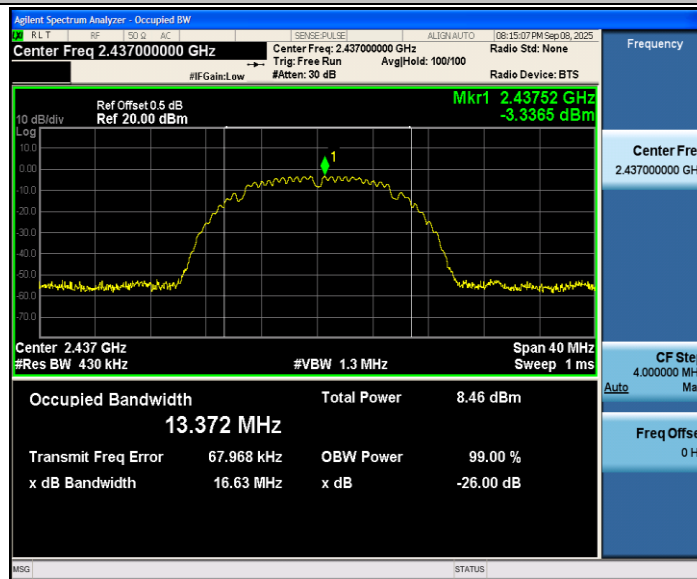
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.412	2405.3243	2418.7363	---	---
		2437	13.372	2430.3820	2443.7540	---	---
		2462	13.414	2455.2777	2468.6917	---	---
11G	Ant1	2412	16.774	2403.6796	2420.4536	---	---
		2437	16.675	2428.7557	2445.4307	---	---
		2462	16.757	2453.6310	2470.3880	---	---
11N20SISO	Ant1	2412	17.854	2403.0683	2420.9223	---	---
		2437	17.785	2428.1347	2445.9197	---	---
		2462	17.861	2453.0324	2470.8934	---	---
11N40SISO	Ant1	2422	36.141	2404.0701	2440.2111	---	---
		2437	35.943	2419.1235	2455.0665	---	---
		2452	36.003	2434.0756	2470.0786	---	---

Test Graphs

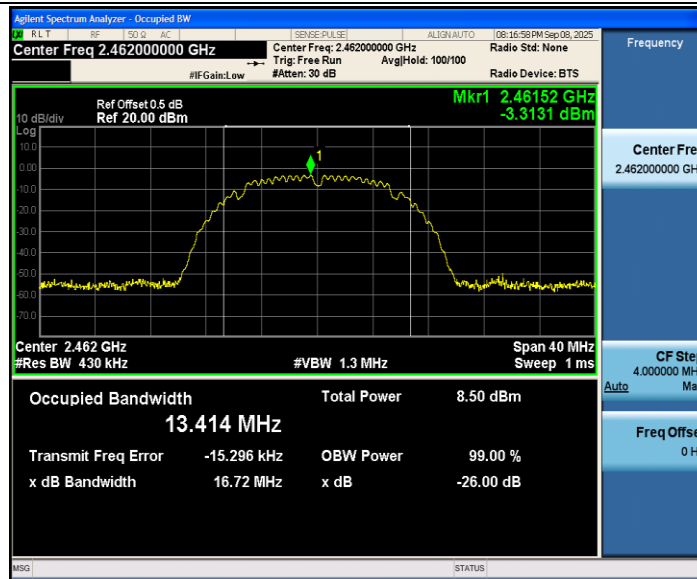
11B_Ant1_2412



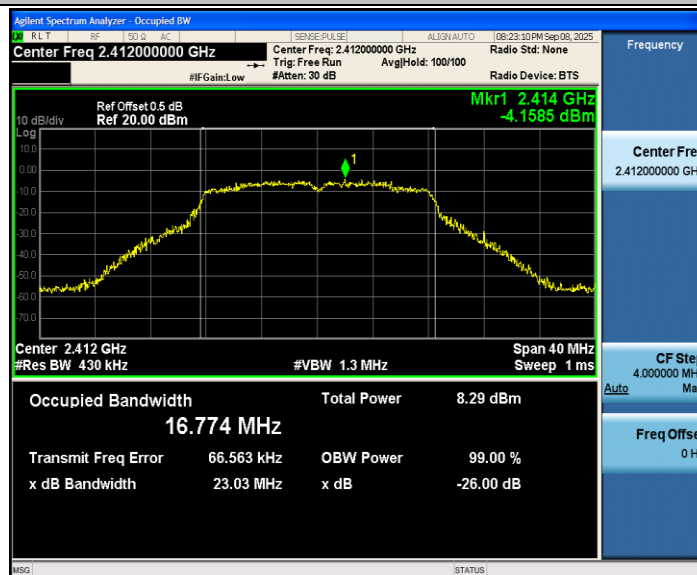
11B_Ant1_2437



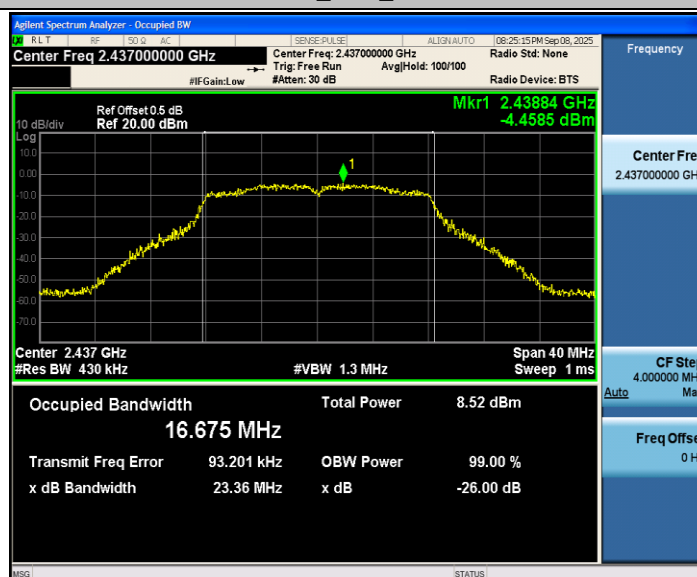
11B_Ant1_2462



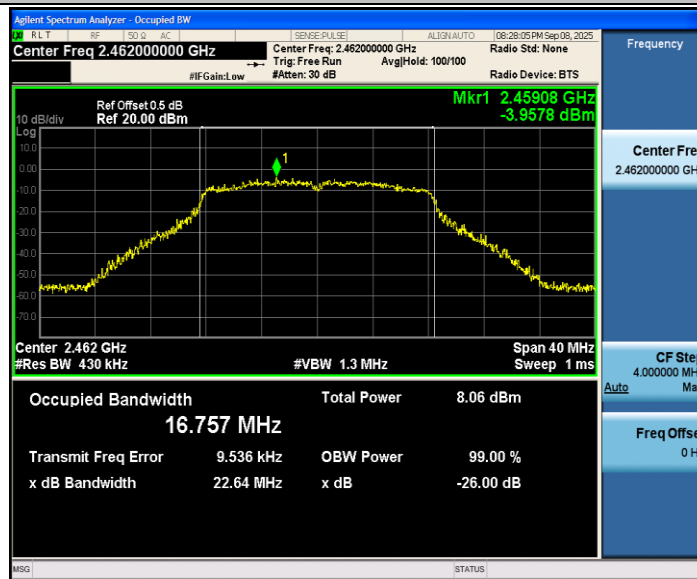
11G_Ant1_2412



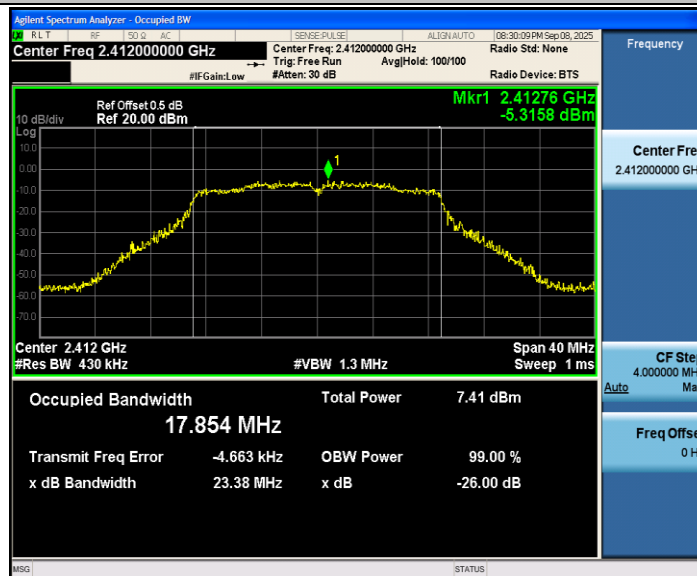
11G_Ant1_2437



11G_Ant1_2462



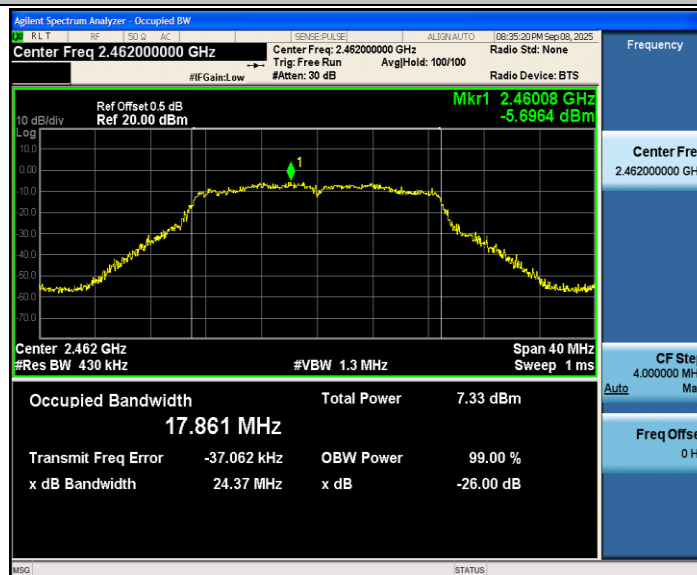
11N20SISO_Ant1_2412



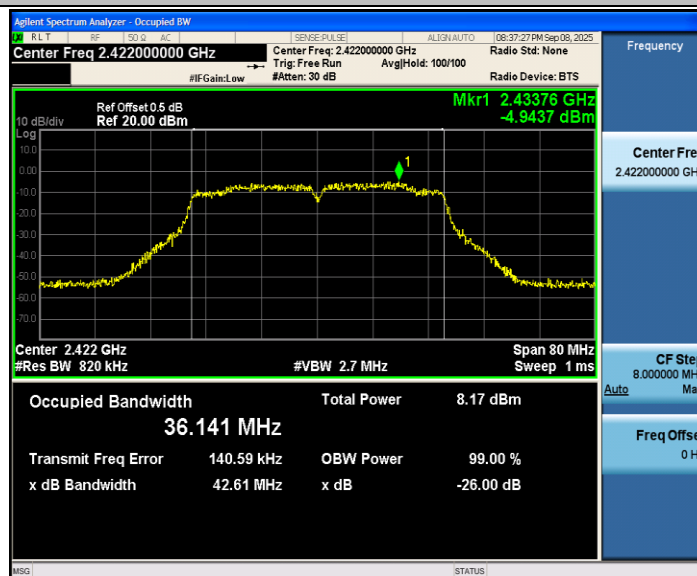
11N20SISO_Ant1_2437



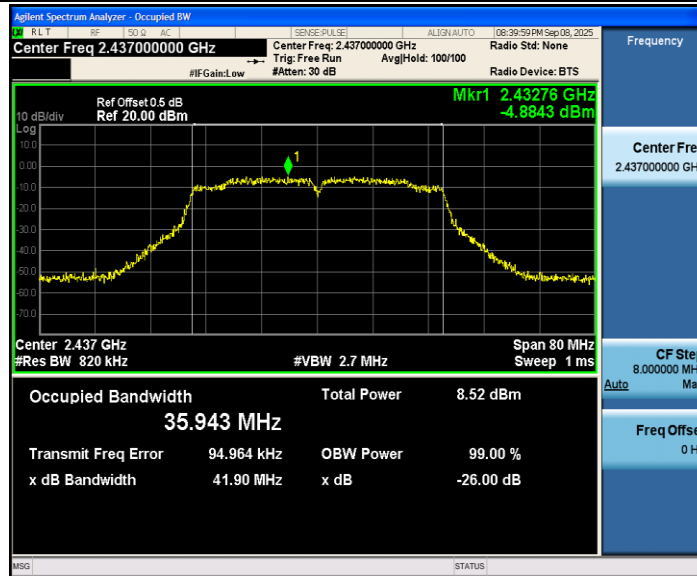
11N20SISO_Ant1_2462



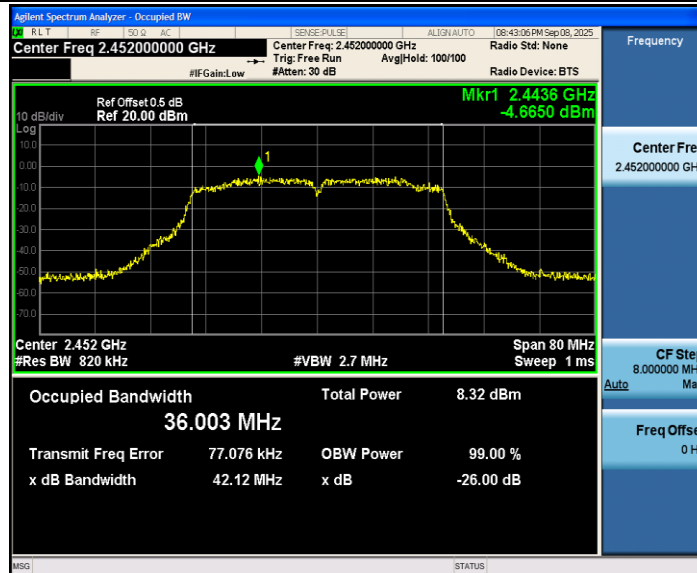
11N40SISO_Ant1_2422



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	7.92	≤30.00	PASS
		2437	8.28	≤30.00	PASS
		2462	8.33	≤30.00	PASS
11G	Ant1	2412	8.79	≤30.00	PASS
		2437	9.11	≤30.00	PASS
		2462	8.58	≤30.00	PASS
11N20SISO	Ant1	2412	7.73	≤30.00	PASS
		2437	8.13	≤30.00	PASS
		2462	8.09	≤30.00	PASS
11N40SISO	Ant1	2422	8.46	≤30.00	PASS
		2437	8.74	≤30.00	PASS
		2452	8.74	≤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	-18.61	≤8.00	PASS
		2437	-17.04	≤8.00	PASS
		2462	-18.05	≤8.00	PASS
11G	Ant1	2412	-21.44	≤8.00	PASS
		2437	-21.31	≤8.00	PASS
		2462	-22.05	≤8.00	PASS
11N20SISO	Ant1	2412	-23.54	≤8.00	PASS
		2437	-22.03	≤8.00	PASS
		2462	-23.05	≤8.00	PASS
11N40SISO	Ant1	2422	-25.20	≤8.00	PASS
		2437	-24.63	≤8.00	PASS
		2452	-24.90	≤8.00	PASS

Test Graphs

11B_Ant1_2412



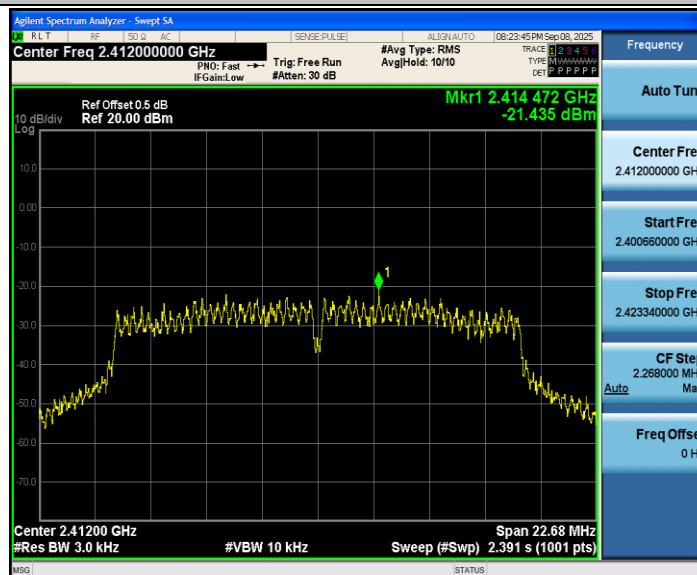
11B_Ant1_2437



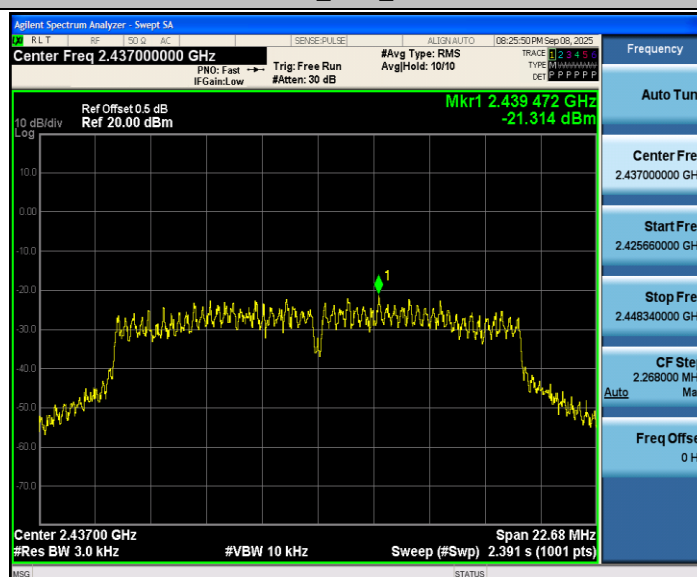
11B_Ant1_2462



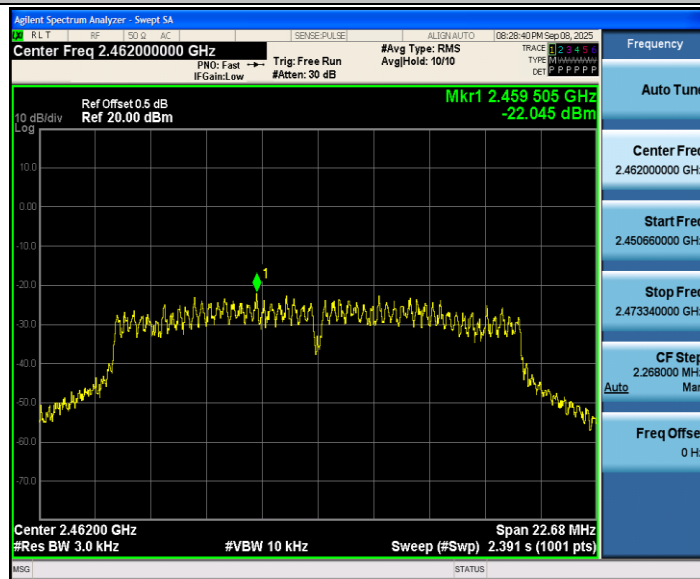
11G_Ant1_2412



11G_Ant1_2437



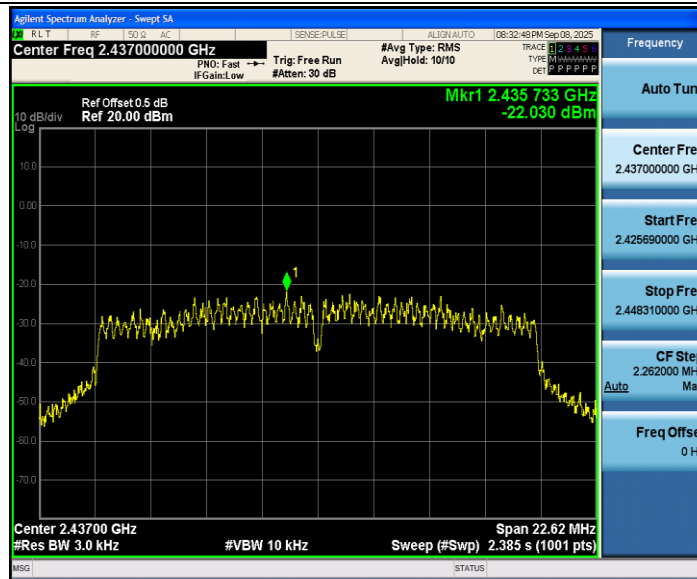
11G_Ant1_2462



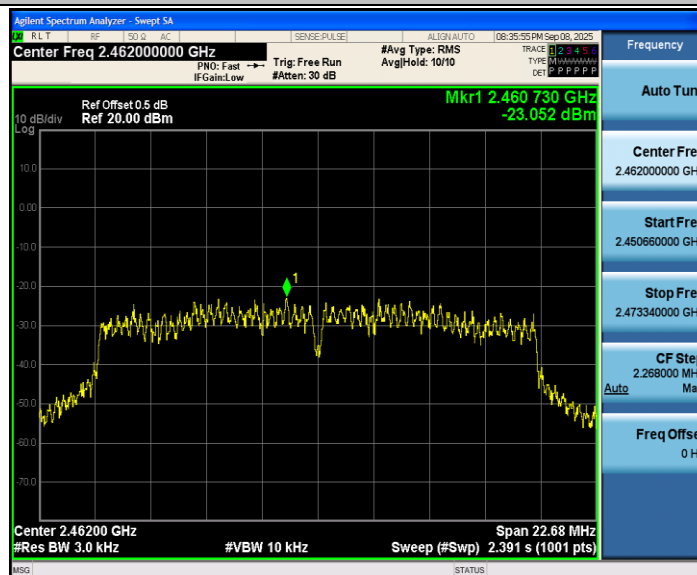
11N20SISO_Ant1_2412



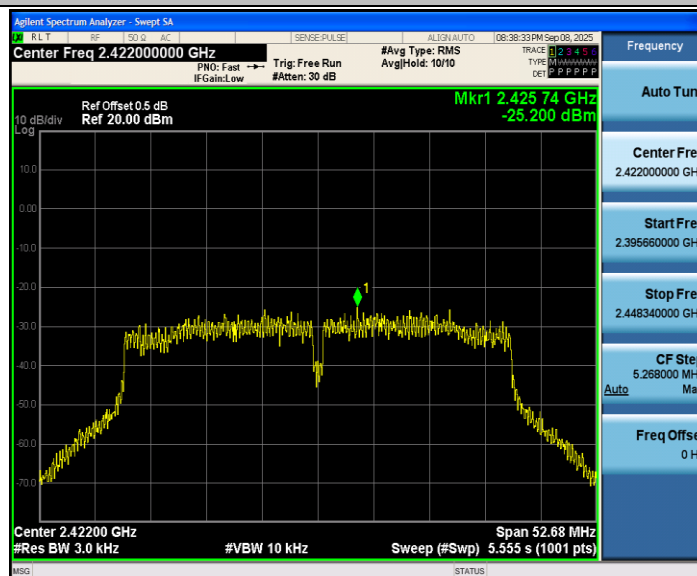
11N20SISO_Ant1_2437



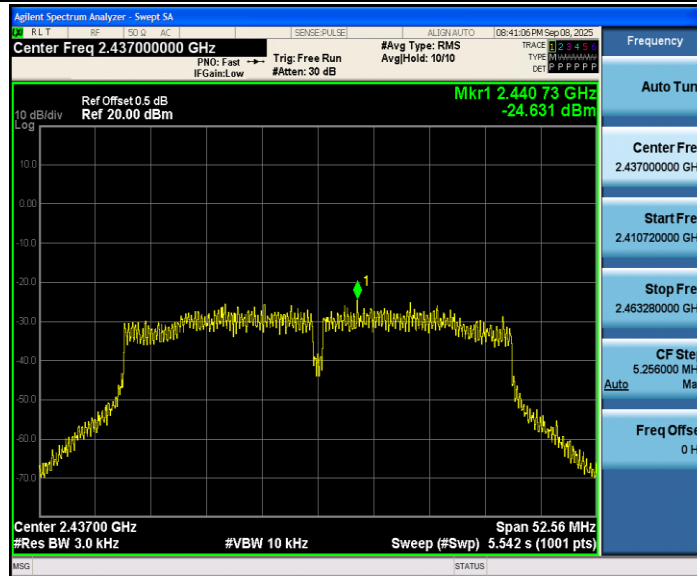
11N20SISO_Ant1_2462



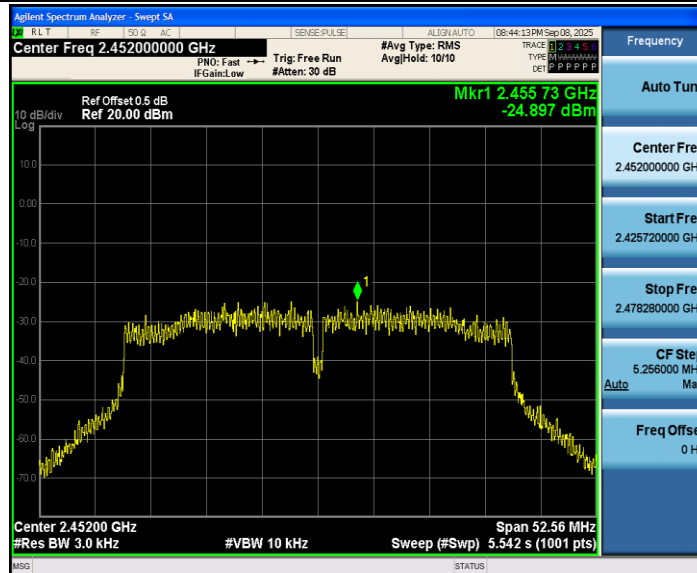
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



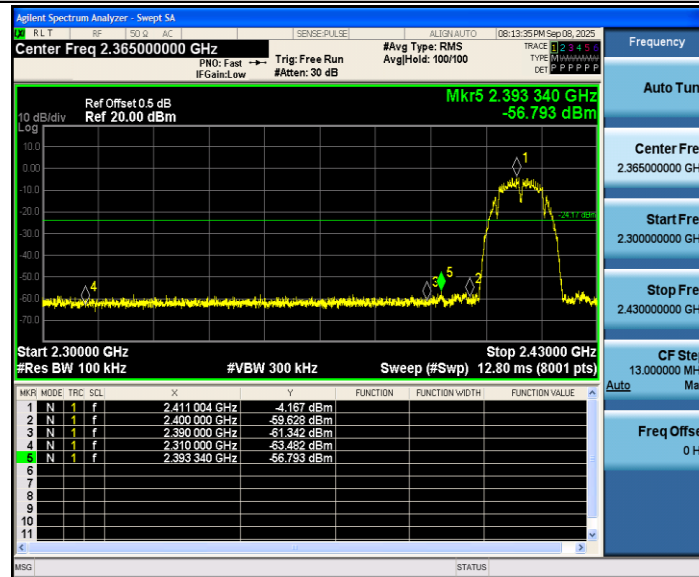
Appendix E: Band edge measurements

Test Result

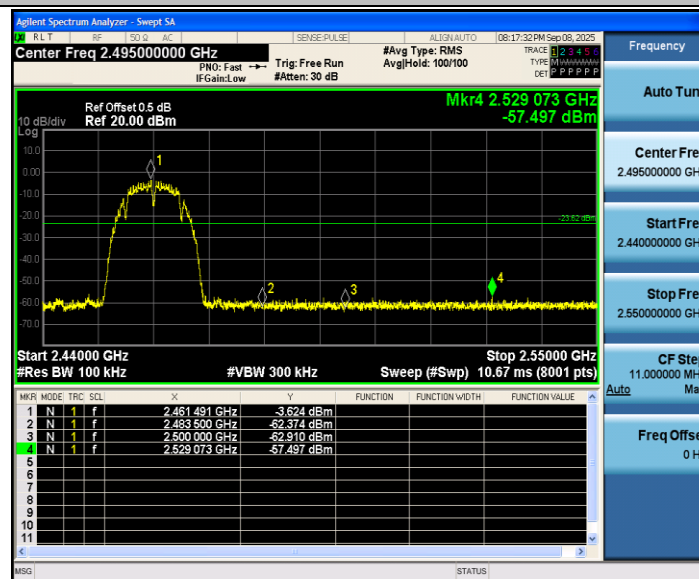
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-4.17	-56.79	≤-24.17	PASS
		High	2462	-3.62	-57.5	≤-23.62	PASS
11G	Ant1	Low	2412	-6.93	-39.44	≤-26.93	PASS
		High	2462	-6.91	-58.23	≤-26.91	PASS
11N20SISO	Ant1	Low	2412	-7.40	-38.71	≤-27.4	PASS
		High	2462	-7.48	-57.14	≤-27.48	PASS
11N40SISO	Ant1	Low	2422	-10.55	-38.32	≤-30.55	PASS
		High	2452	-9.87	-56.71	≤-29.87	PASS

Test Graphs

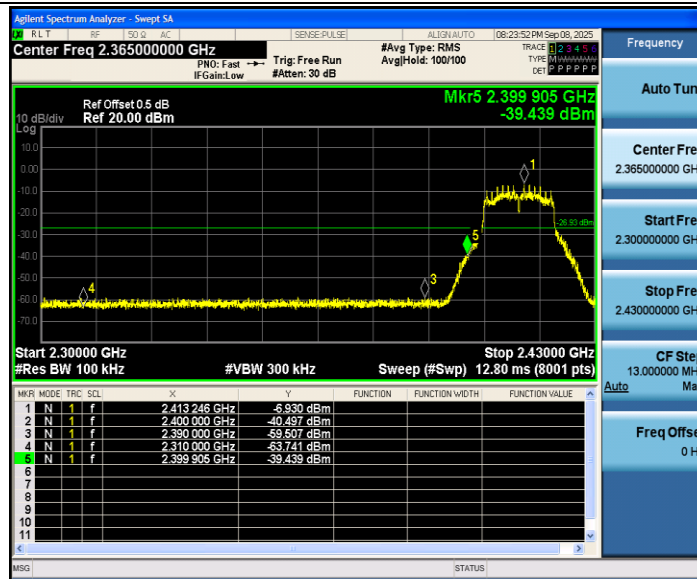
11B_Ant1_Low_2412



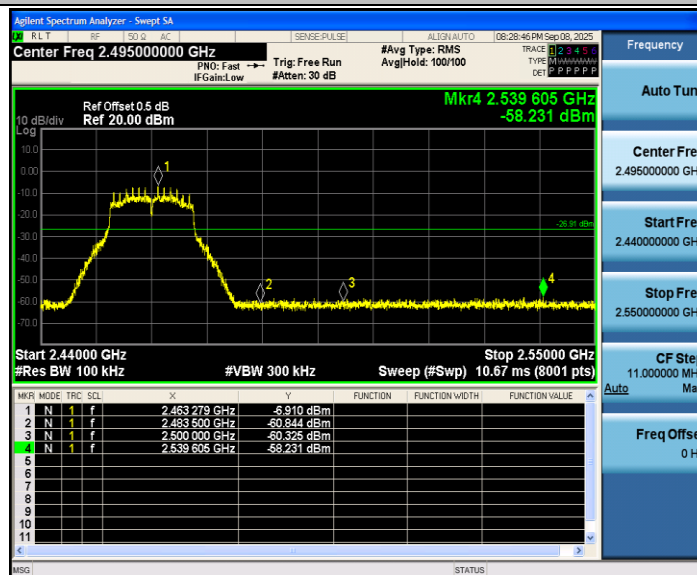
11B_Ant1_High_2462



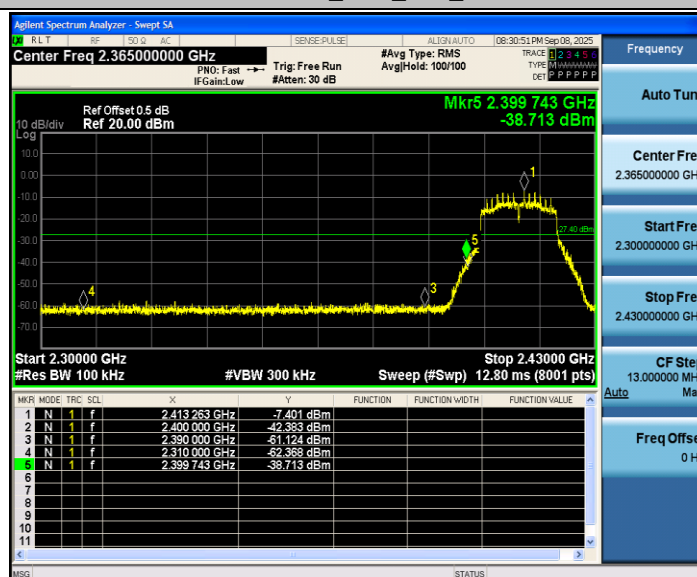
11G_Ant1_Low_2412



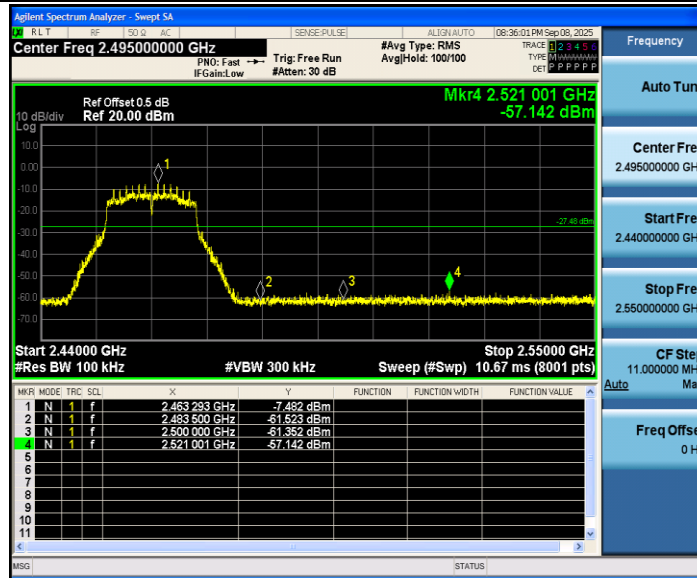
11G_Ant1_High_2462



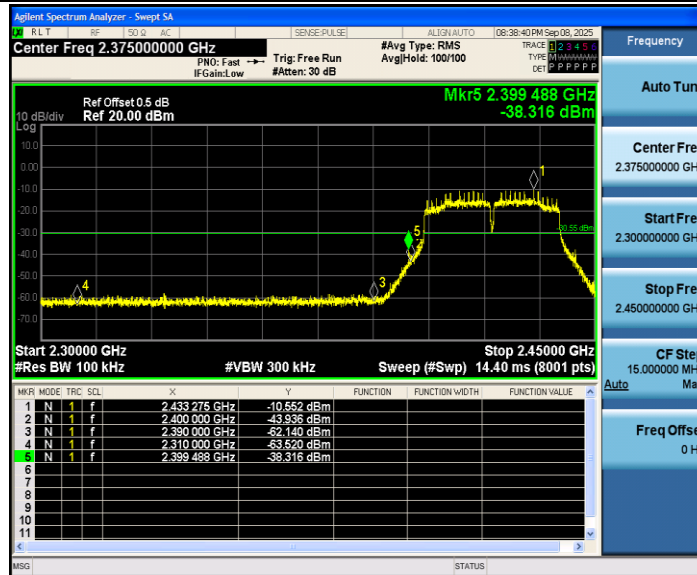
11N20SISO_Ant1_Low_2412



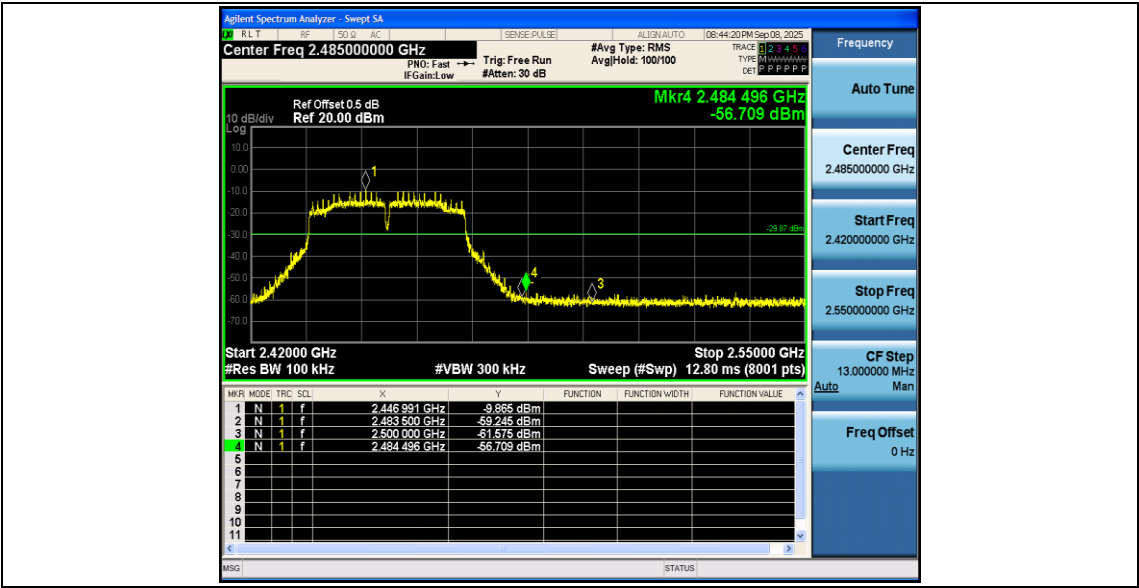
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

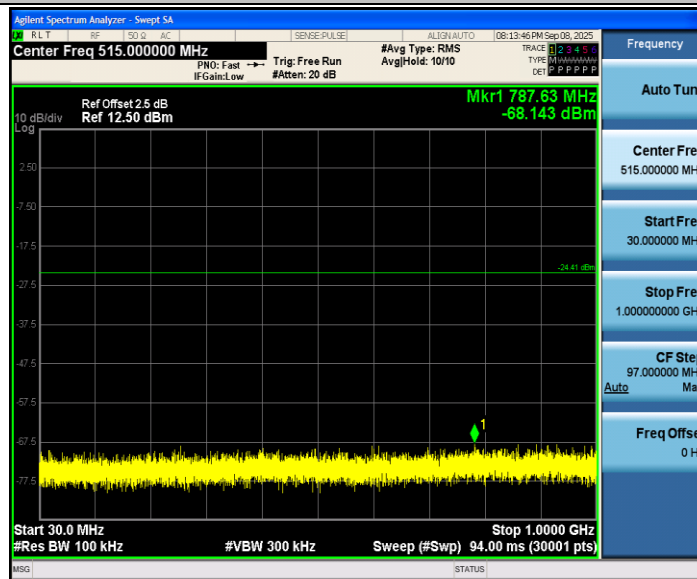
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-4.41	-4.41	---	PASS
			30~1000	-4.41	-68.14	≤-24.41	PASS
			1000~26500	-4.41	-55.01	≤-24.41	PASS
		2437	Reference	-5.58	-5.58	---	PASS
			30~1000	-5.58	-67.03	≤-25.58	PASS
			1000~26500	-5.58	-54.48	≤-25.58	PASS
		2462	Reference	-4.05	-4.05	---	PASS
			30~1000	-4.05	-67.11	≤-24.05	PASS
			1000~26500	-4.05	-54.62	≤-24.05	PASS
11G	Ant1	2412	Reference	-6.95	-6.95	---	PASS
			30~1000	-6.95	-68.02	≤-26.95	PASS
			1000~26500	-6.95	-55.34	≤-26.95	PASS
		2437	Reference	-7.25	-7.25	---	PASS
			30~1000	-7.25	-68.08	≤-27.25	PASS
			1000~26500	-7.25	-54.95	≤-27.25	PASS
		2462	Reference	-7.91	-7.91	---	PASS
			30~1000	-7.91	-68.13	≤-27.91	PASS
			1000~26500	-7.91	-54.64	≤-27.91	PASS
11N20SISO	Ant1	2412	Reference	-8.02	-8.02	---	PASS
			30~1000	-8.02	-67.51	≤-28.02	PASS
			1000~26500	-8.02	-54.71	≤-28.02	PASS
		2437	Reference	-7.22	-7.22	---	PASS
			30~1000	-7.22	-67.36	≤-27.22	PASS
			1000~26500	-7.22	-54.96	≤-27.22	PASS
		2462	Reference	-7.63	-7.63	---	PASS
			30~1000	-7.63	-67.38	≤-27.63	PASS
			1000~26500	-7.63	-54.78	≤-27.63	PASS
11N40SISO	Ant1	2422	Reference	-11.07	-11.07	---	PASS
			30~1000	-11.07	-68.38	≤-31.07	PASS
			1000~26500	-11.07	-54.73	≤-31.07	PASS
		2437	Reference	-10.78	-10.78	---	PASS
			30~1000	-10.78	-68.16	≤-30.78	PASS
			1000~26500	-10.78	-54.53	≤-30.78	PASS
		2452	Reference	-10.63	-10.63	---	PASS
			30~1000	-10.63	-67.05	≤-30.63	PASS
			1000~26500	-10.63	-54.86	≤-30.63	PASS

Test Graphs

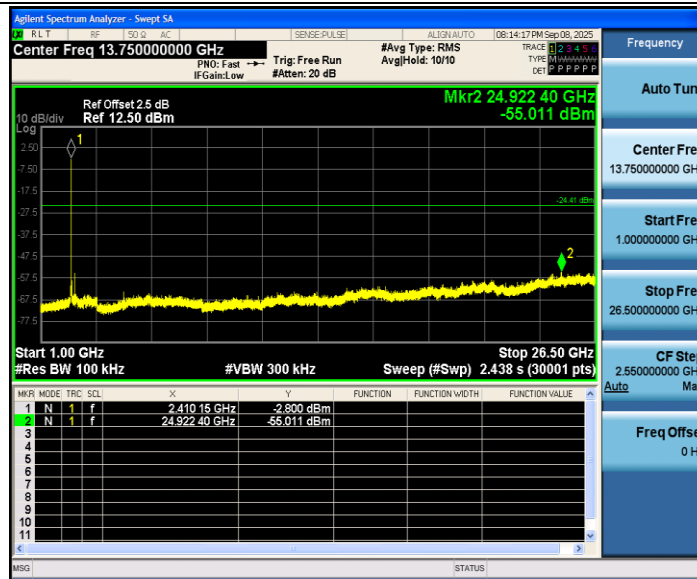
11B_Ant1_2412_0~Reference



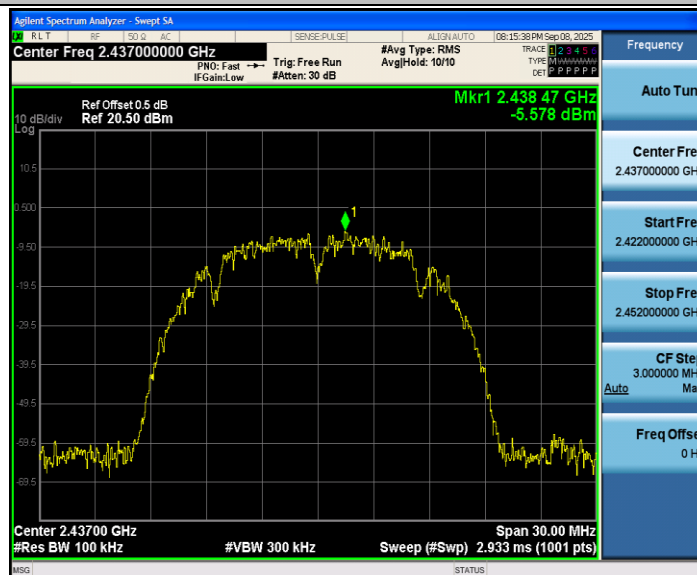
11B_Ant1_2412_30~1000



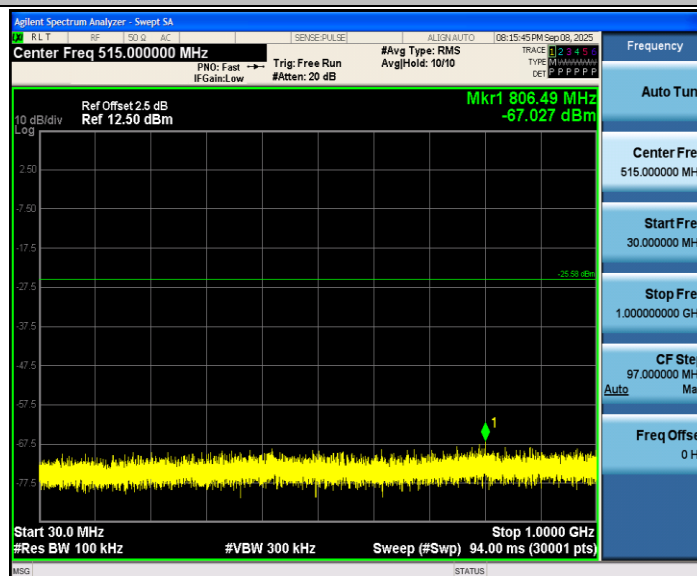
11B_Ant1_2412_1000~26500



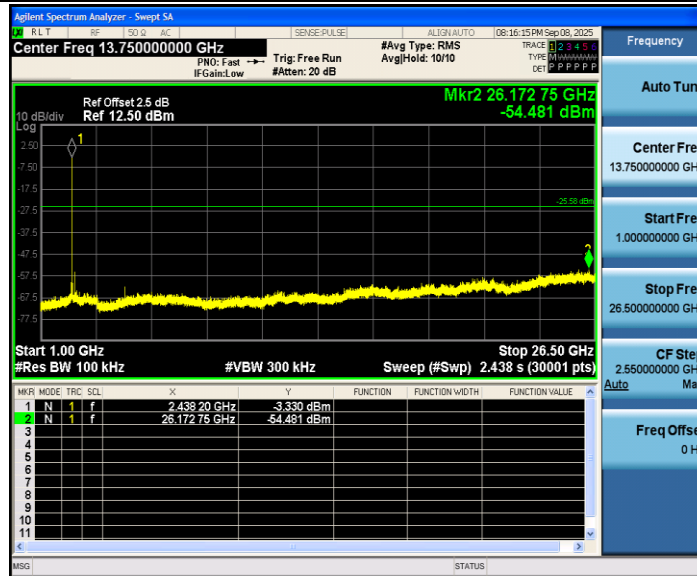
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



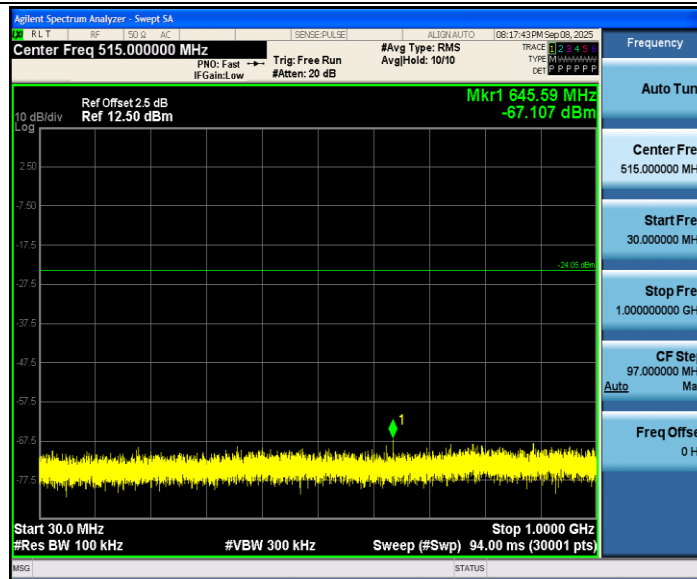
11B_Ant1_2437_1000~26500



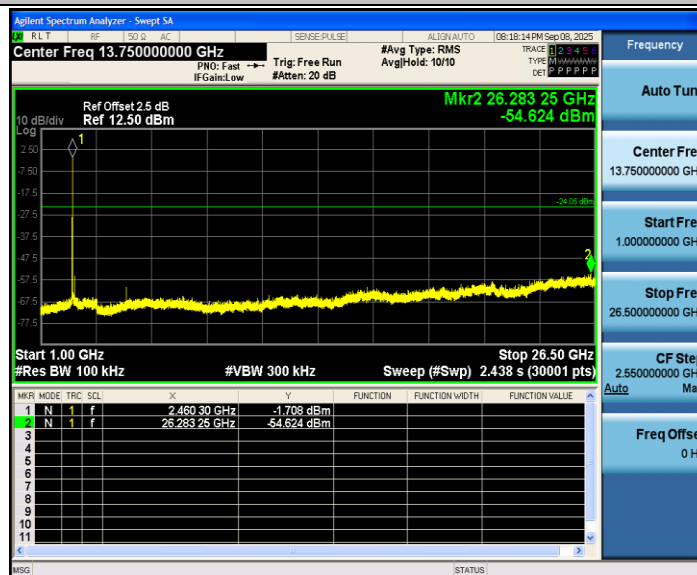
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



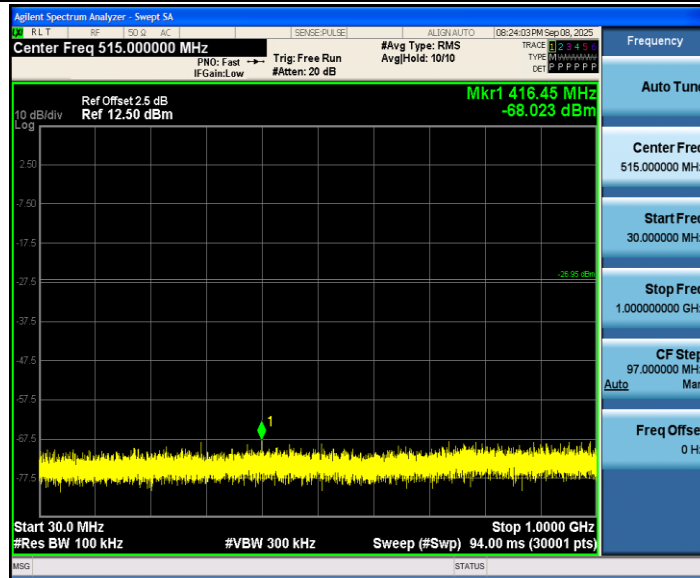
11B_Ant1_2462_1000~26500



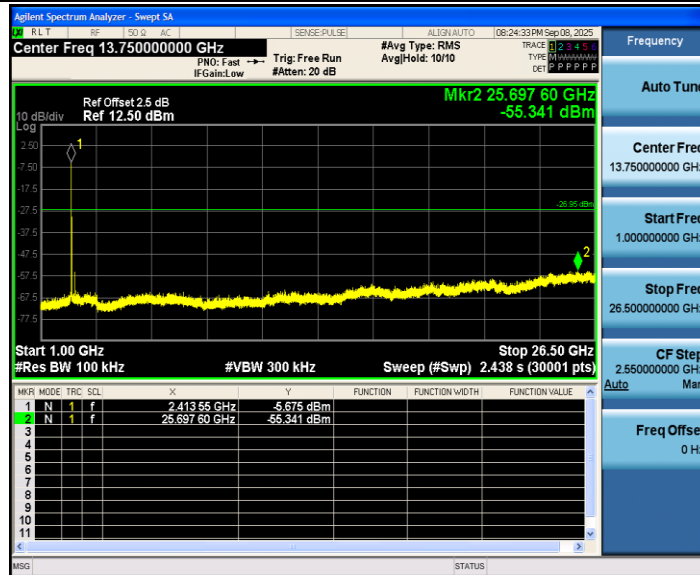
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



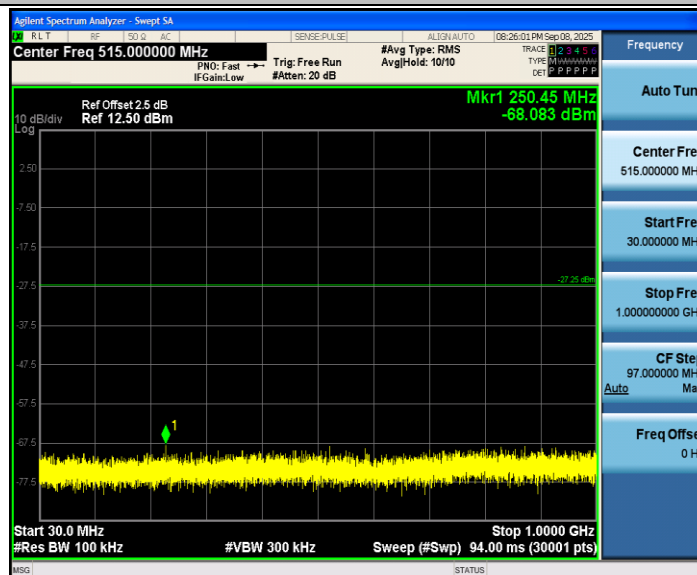
11G_Ant1_2412_1000~26500



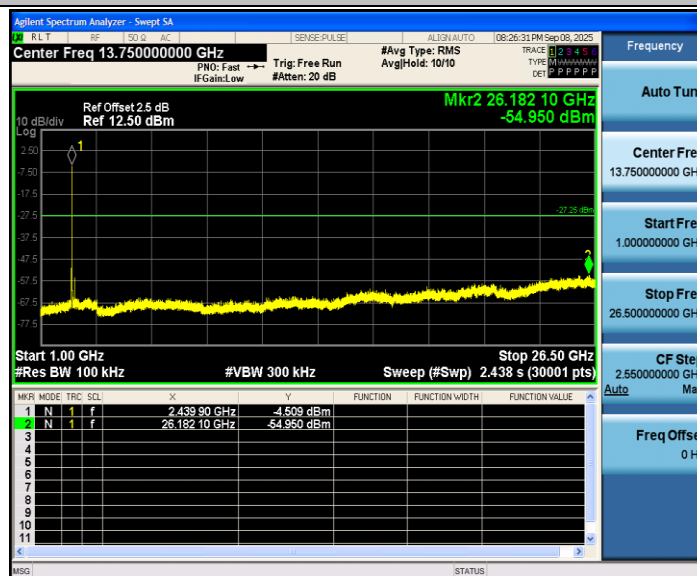
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



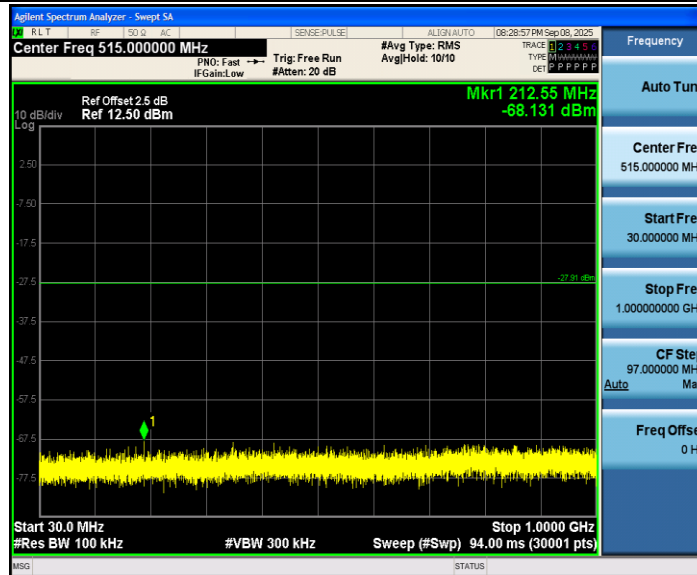
11G_Ant1_2437_1000~26500



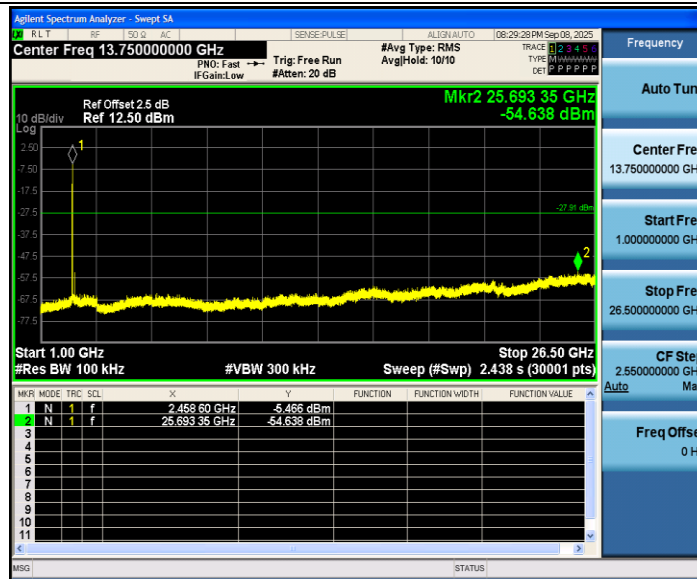
11G_Ant1_2462_0~Reference



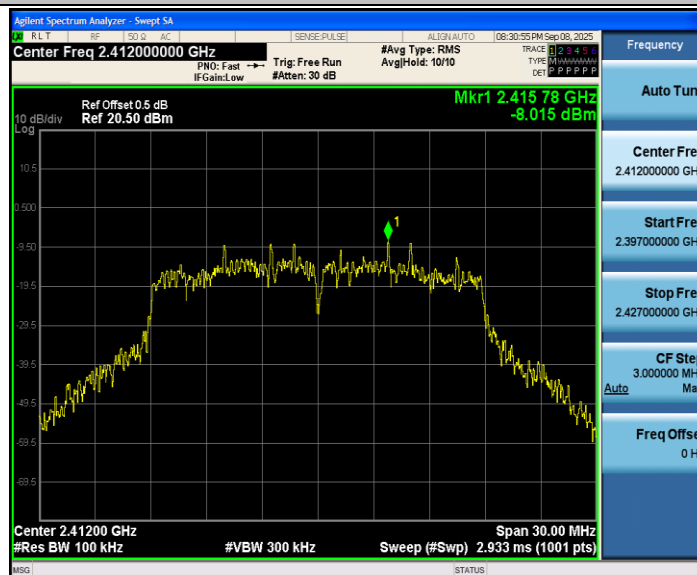
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

