

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2AJU8-RG35XXPRO

Company : Shenzhen Yangliming Electronic Technology Co., Ltd.

EUT : Handheld Game Console

Model Number : RG 35XXPro

Report No. : CTA26060901002

Reviewed By : Eric Wang

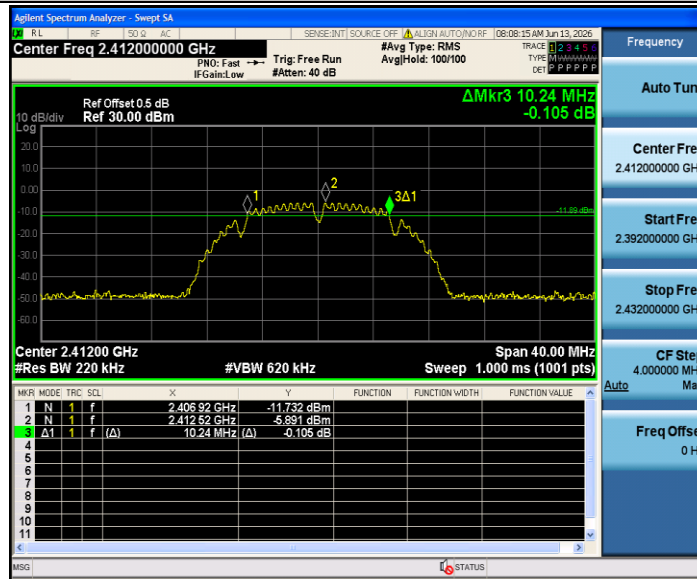
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.240	2406.920	2417.160	0.5	PASS
		2437	10.240	2431.920	2442.160	0.5	PASS
		2462	10.200	2456.960	2467.160	0.5	PASS
11G	Ant1	2412	16.120	2403.880	2420.000	0.5	PASS
		2437	15.840	2429.240	2445.080	0.5	PASS
		2462	15.560	2454.280	2469.840	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.440	2420.360	0.5	PASS
		2437	16.920	2428.440	2445.360	0.5	PASS
		2462	17.120	2453.440	2470.560	0.5	PASS
11N40SISO	Ant1	2422	35.440	2404.560	2440.000	0.5	PASS
		2437	35.520	2419.480	2455.000	0.5	PASS
		2452	35.040	2434.880	2469.920	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



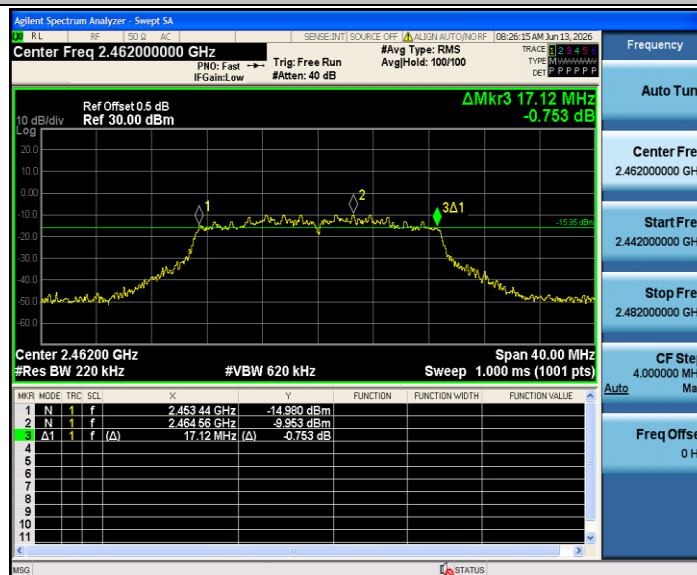
11N20SISO_Ant1_2412



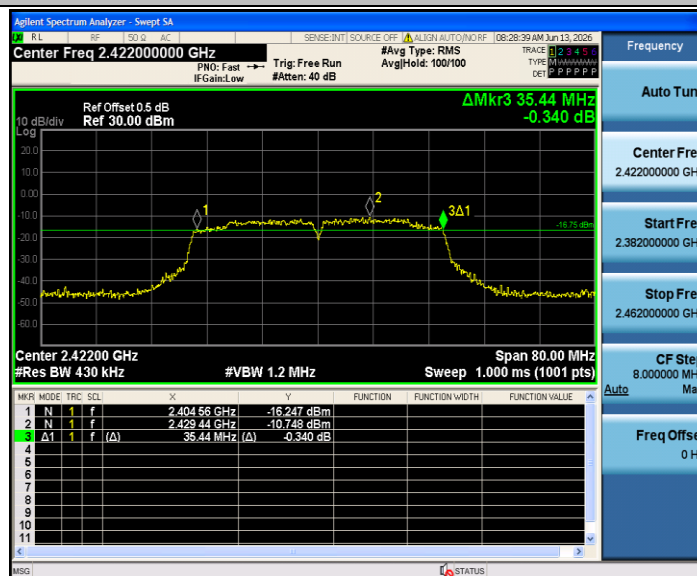
11N20SISO_Ant1_2437



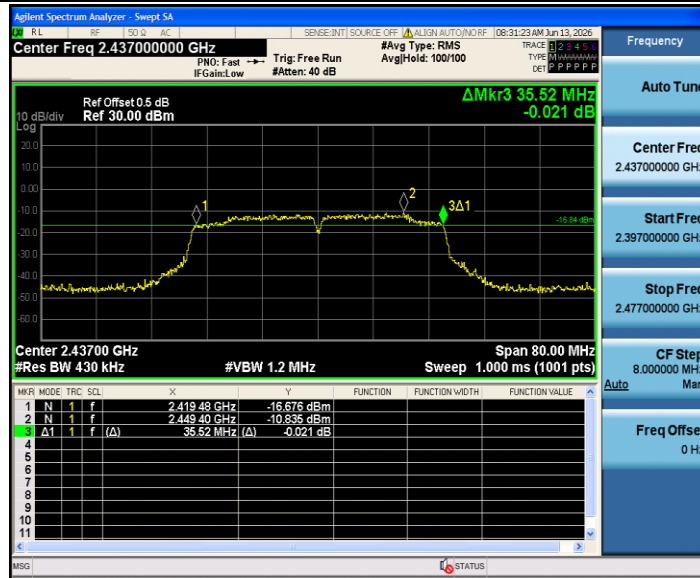
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



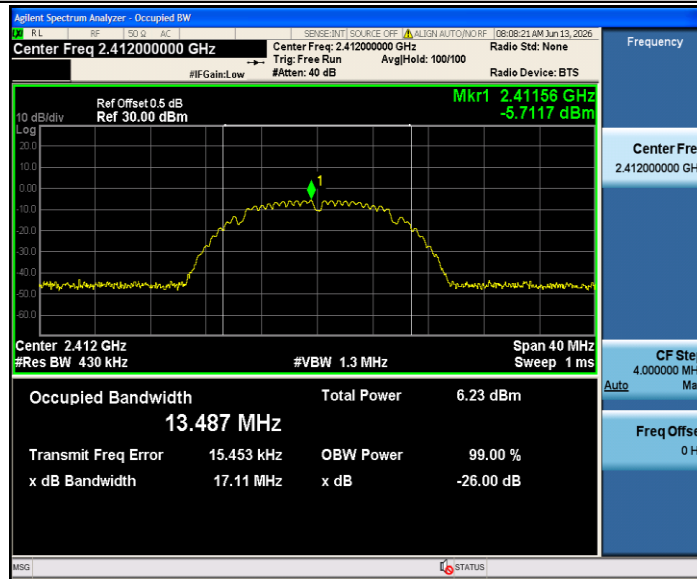
Appendix B: Occupied Channel Bandwidth

Test Result

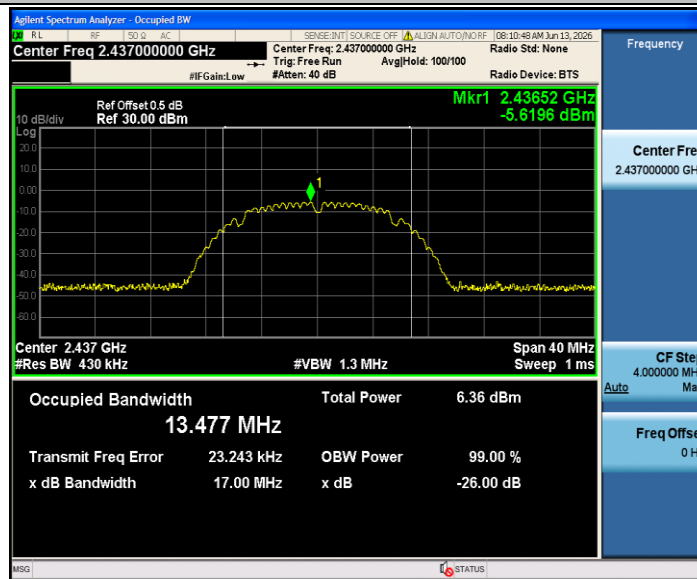
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.487	2405.2720	2418.7590	---	---
		2437	13.477	2430.2847	2443.7617	---	---
		2462	13.464	2455.3048	2468.7688	---	---
11G	Ant1	2412	16.866	2403.5921	2420.4581	---	---
		2437	16.840	2428.6483	2445.4883	---	---
		2462	16.912	2453.5748	2470.4868	---	---
11N20SISO	Ant1	2412	17.917	2403.0146	2420.9316	---	---
		2437	17.921	2428.0863	2446.0073	---	---
		2462	17.962	2453.0496	2471.0116	---	---
11N40SISO	Ant1	2422	36.067	2404.1204	2440.1874	---	---
		2437	36.082	2419.1026	2455.1846	---	---
		2452	36.130	2434.0624	2470.1924	---	---

Test Graphs

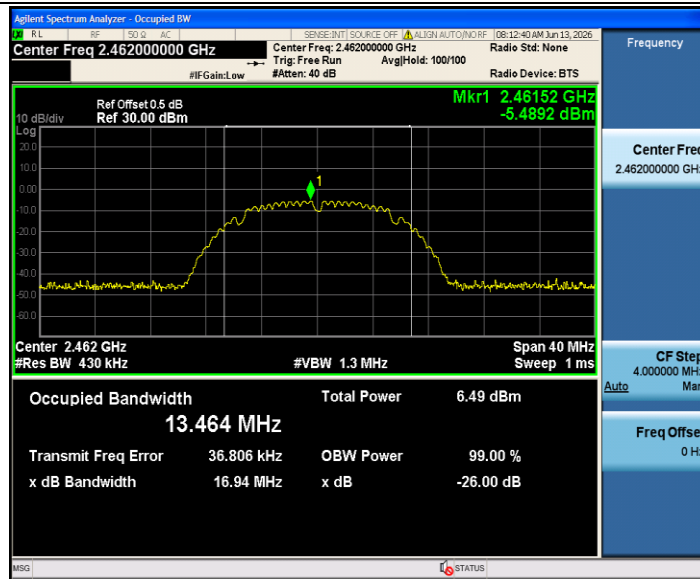
11B_Ant1_2412



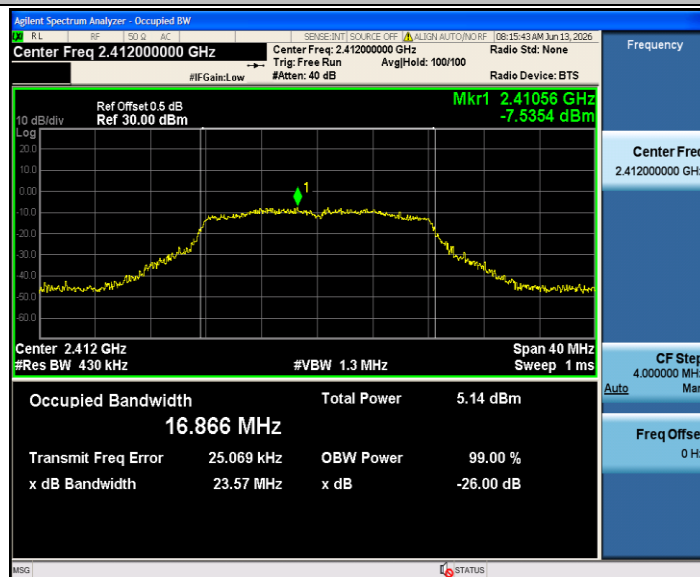
11B_Ant1_2437



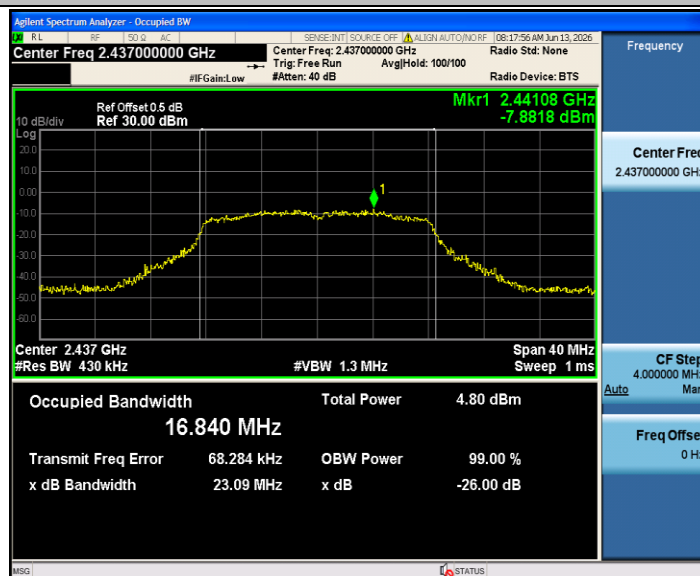
11B_Ant1_2462



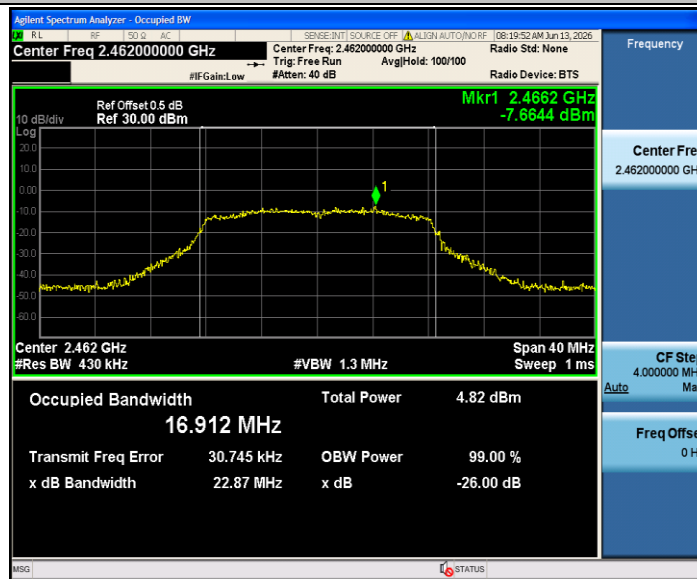
11G_Ant1_2412



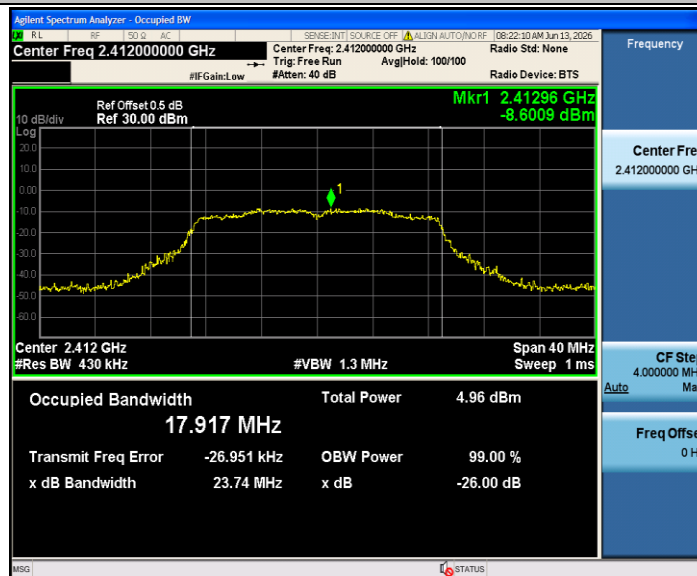
11G_Ant1_2437



11G_Ant1_2462



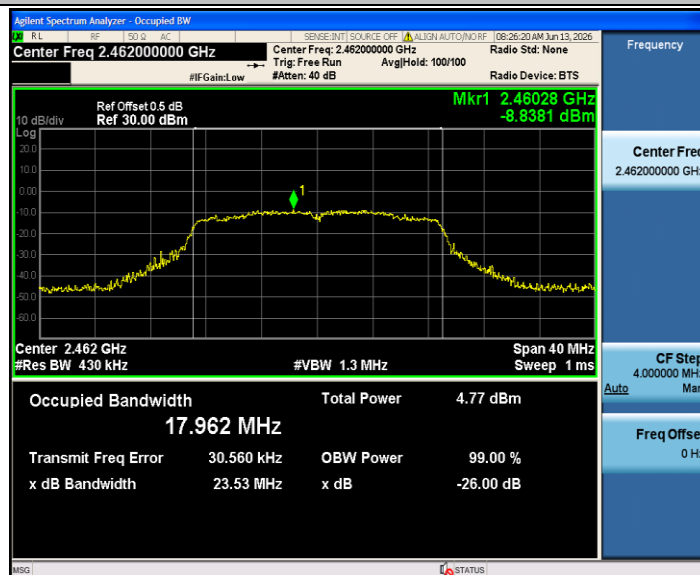
11N20SISO_Ant1_2412



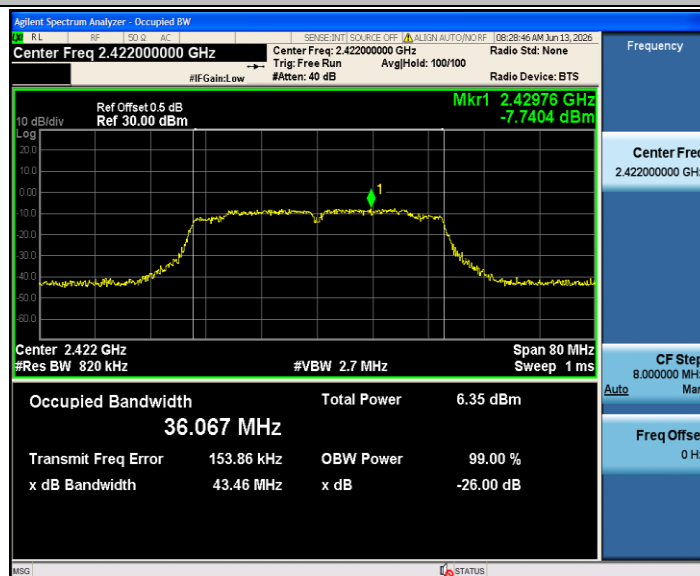
11N20SISO_Ant1_2437



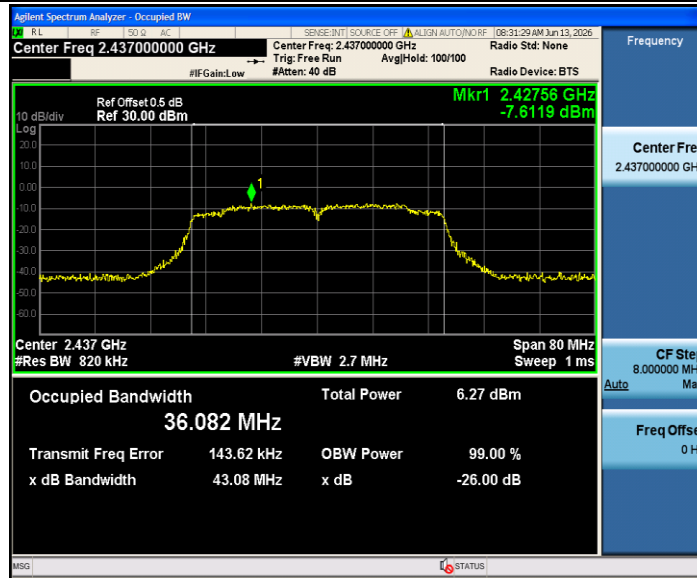
11N20SISO_Ant1_2462



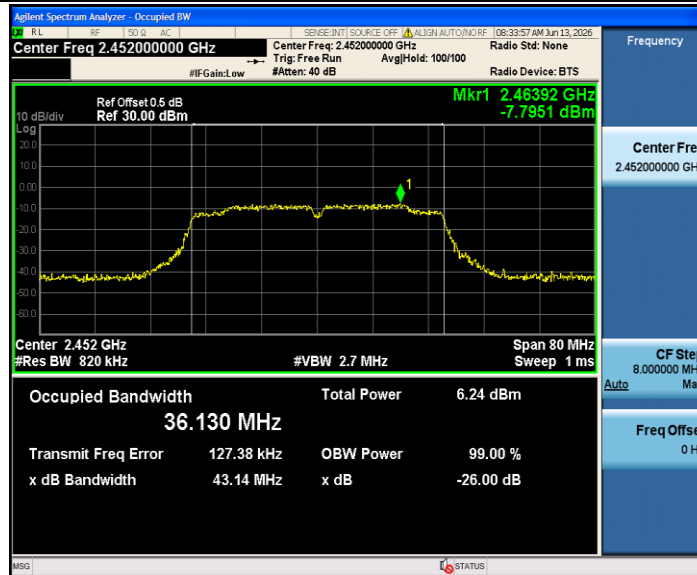
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	6.55	≤30.00	PASS
		2437	6.37	≤30.00	PASS
		2462	6.37	≤30.00	PASS
11G	Ant1	2412	5.98	≤30.00	PASS
		2437	5.84	≤30.00	PASS
		2462	5.73	≤30.00	PASS
11N20SISO	Ant1	2412	5.86	≤30.00	PASS
		2437	5.63	≤30.00	PASS
		2462	5.71	≤30.00	PASS
11N40SISO	Ant1	2422	5.90	≤30.00	PASS
		2437	6.04	≤30.00	PASS
		2452	6.15	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

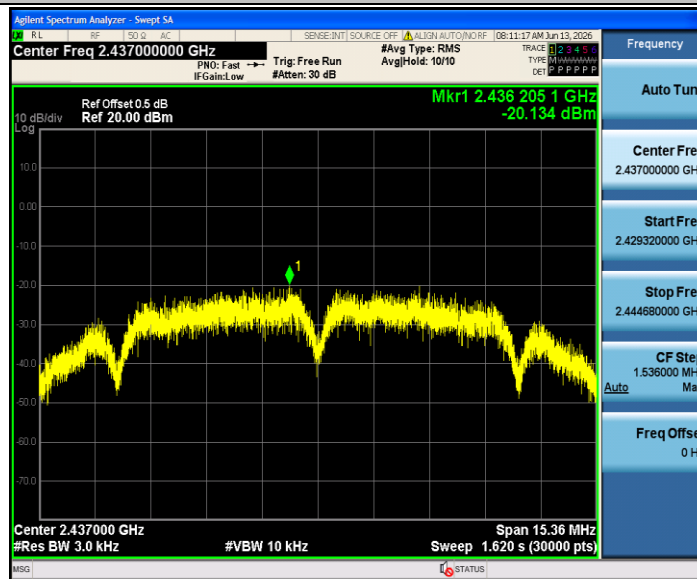
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.60	≤8.00	PASS
		2437	-20.13	≤8.00	PASS
		2462	-19.51	≤8.00	PASS
11G	Ant1	2412	-25.46	≤8.00	PASS
		2437	-26.15	≤8.00	PASS
		2462	-25.01	≤8.00	PASS
11N20SISO	Ant1	2412	-25.20	≤8.00	PASS
		2437	-24.66	≤8.00	PASS
		2462	-25.75	≤8.00	PASS
11N40SISO	Ant1	2422	-27.94	≤8.00	PASS
		2437	-27.64	≤8.00	PASS
		2452	-28.17	≤8.00	PASS

Test Graphs

11B_Ant1_2412



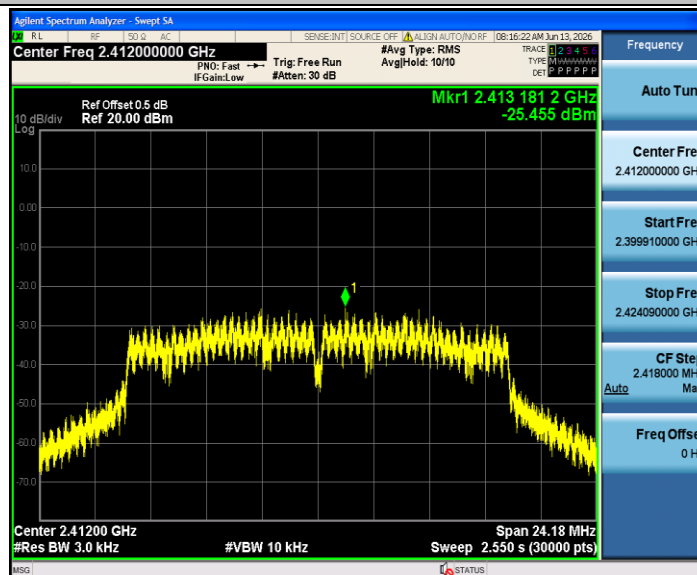
11B_Ant1_2437



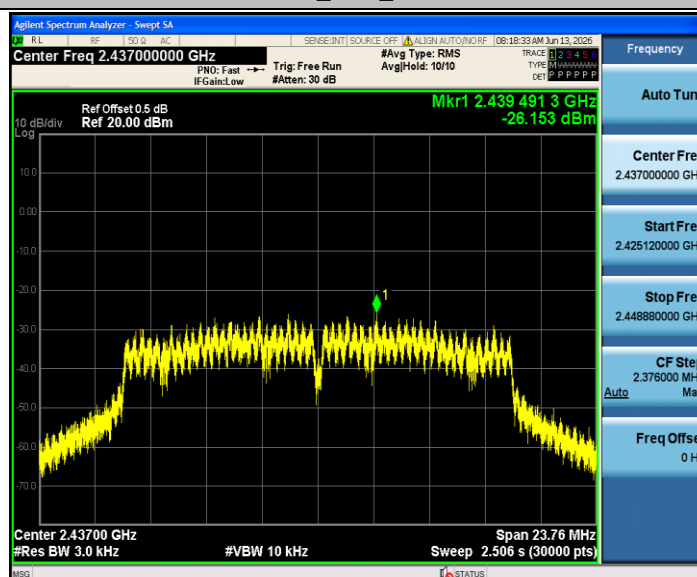
11B_Ant1_2462



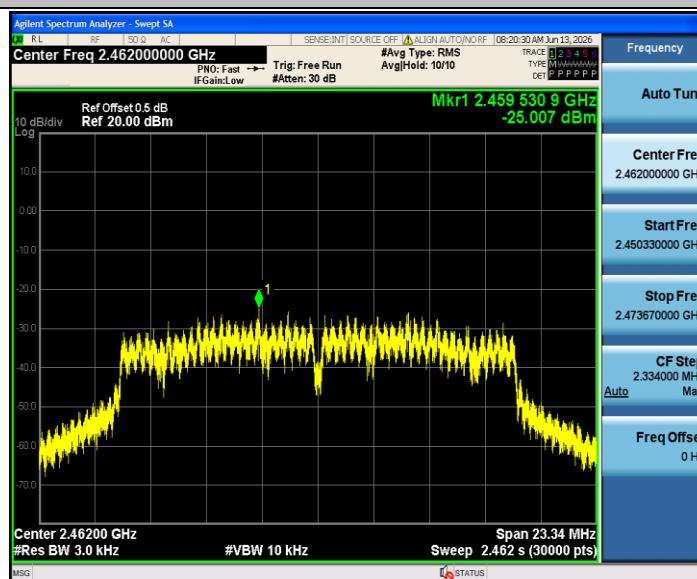
11G_Ant1_2412



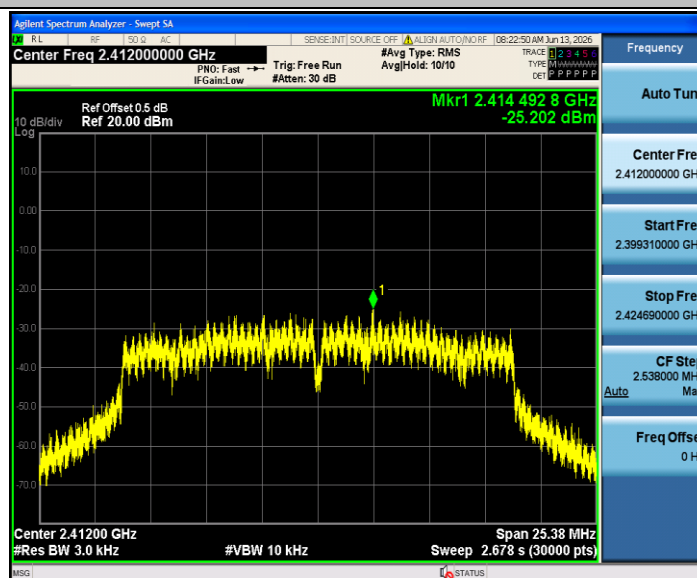
11G_Ant1_2437



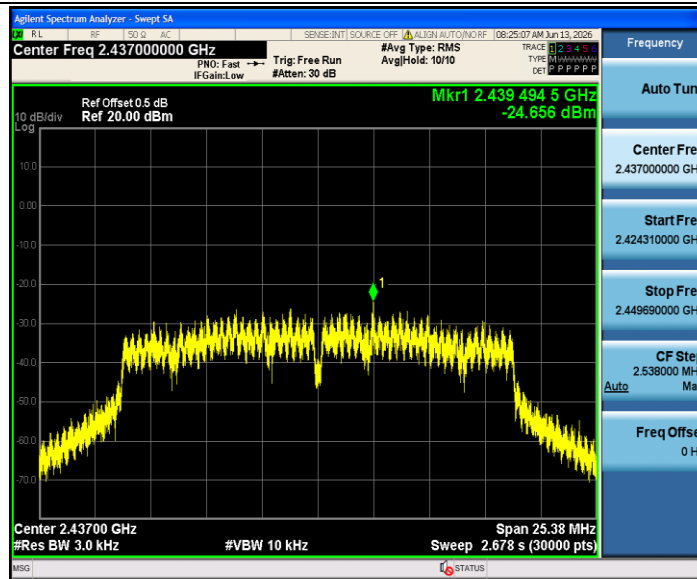
11G_Ant1_2462



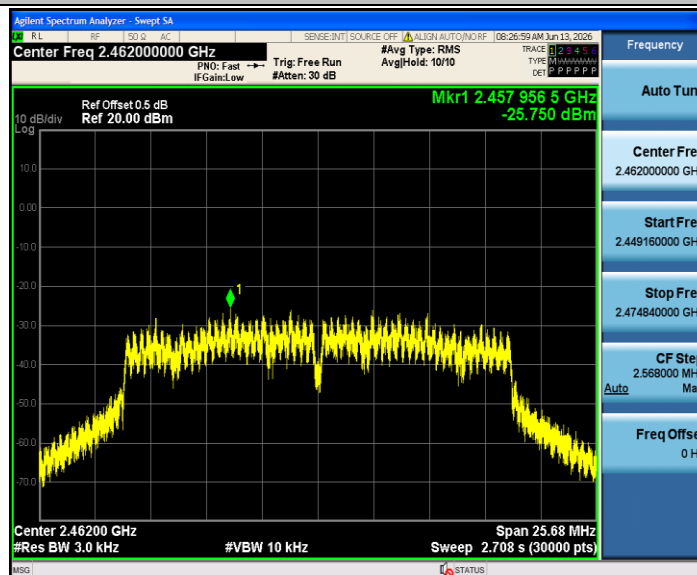
11N20SISO_Ant1_2412



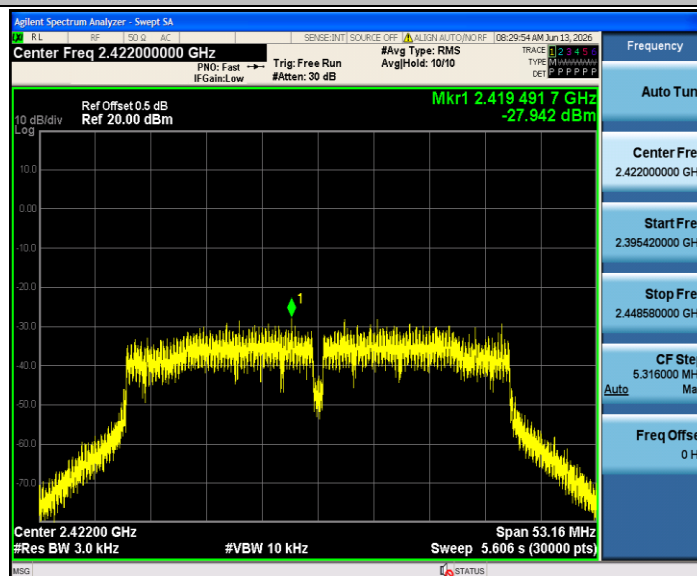
11N20SISO_Ant1_2437



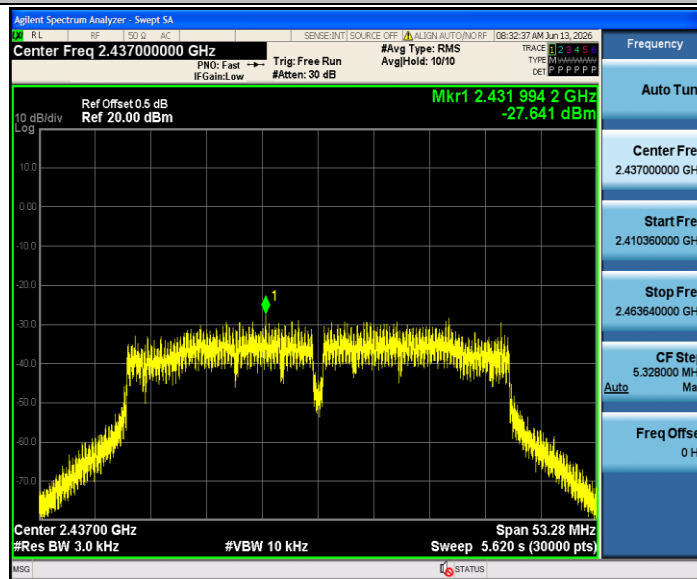
11N20SISO_Ant1_2462



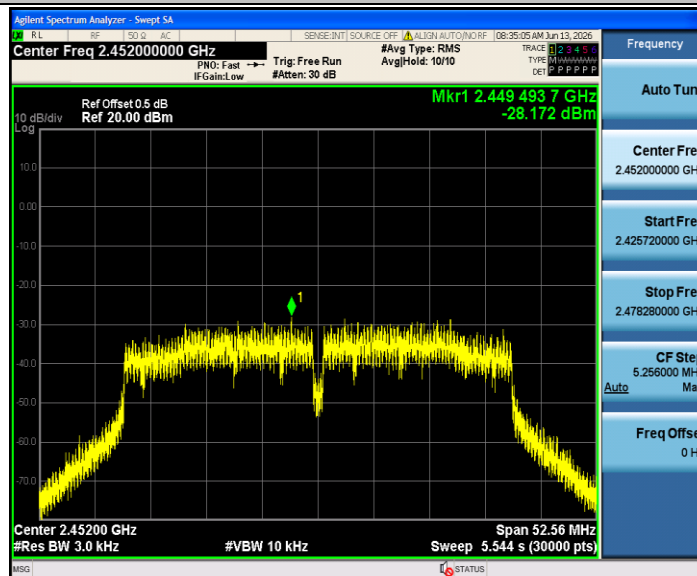
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



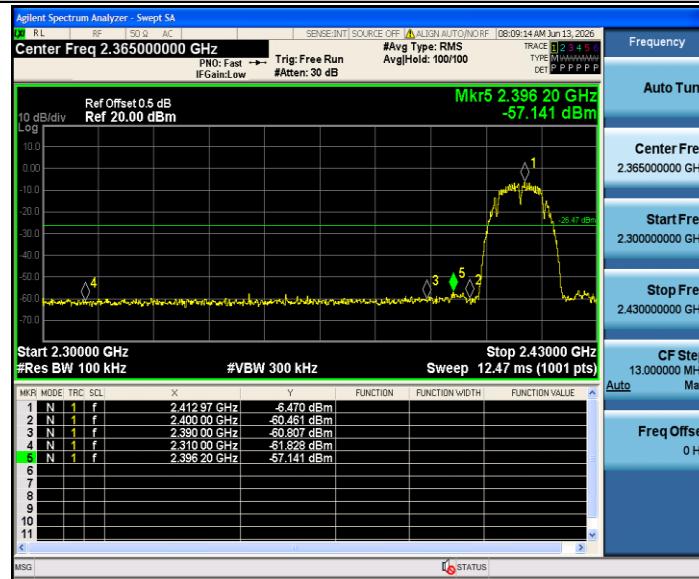
Appendix E: Band edge measurements

Test Result

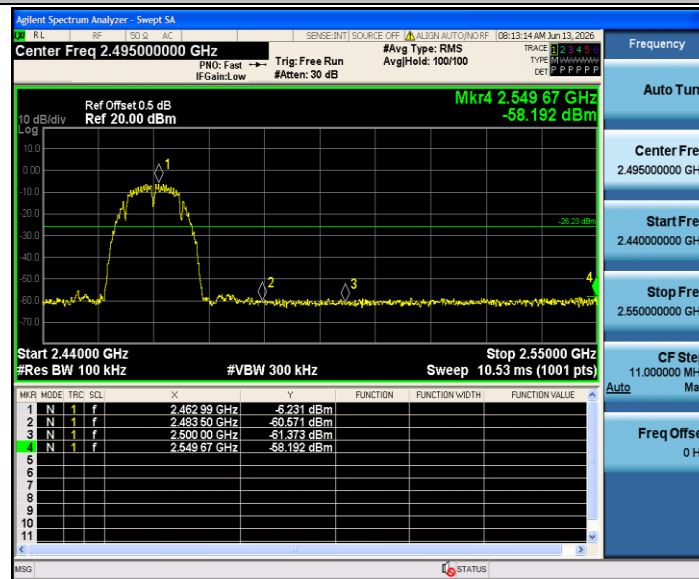
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-6.47	-57.14	≤-26.47	PASS
		High	2462	-6.23	-58.19	≤-26.23	PASS
11G	Ant1	Low	2412	-10.55	-41.6	≤-30.55	PASS
		High	2462	-10.66	-57.67	≤-30.66	PASS
11N20SISO	Ant1	Low	2412	-10.51	-42.5	≤-30.51	PASS
		High	2462	-10.55	-57.89	≤-30.55	PASS
11N40SISO	Ant1	Low	2422	-13.24	-41.88	≤-33.24	PASS
		High	2452	-13.67	-57.47	≤-33.67	PASS

Test Graphs

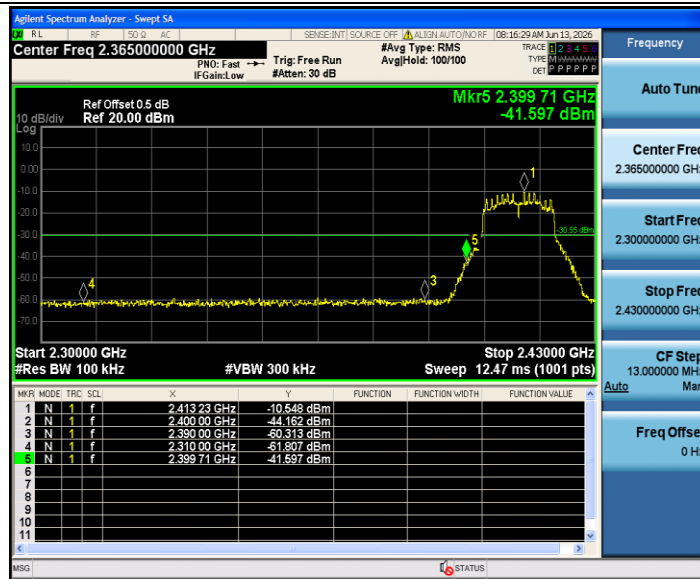
11B_Ant1_Low_2412



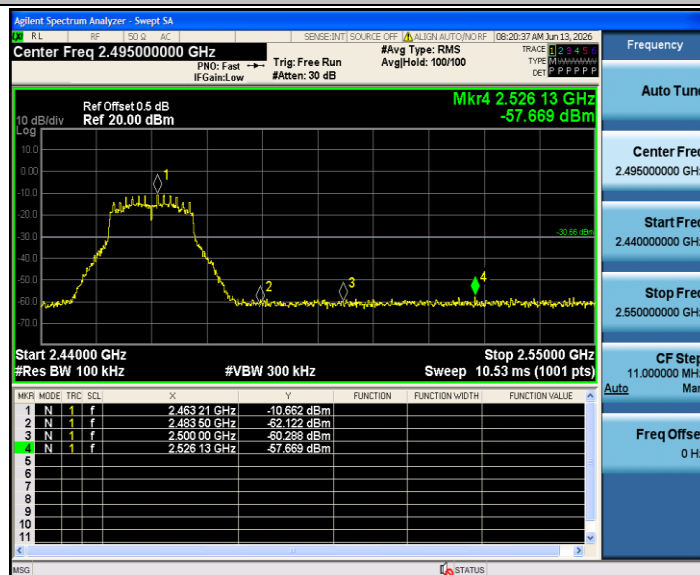
11B_Ant1_High_2462



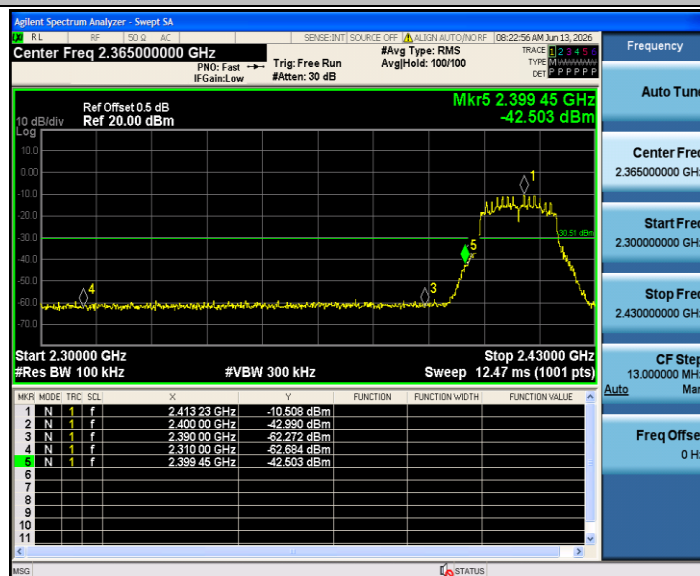
11G_Ant1_Low_2412



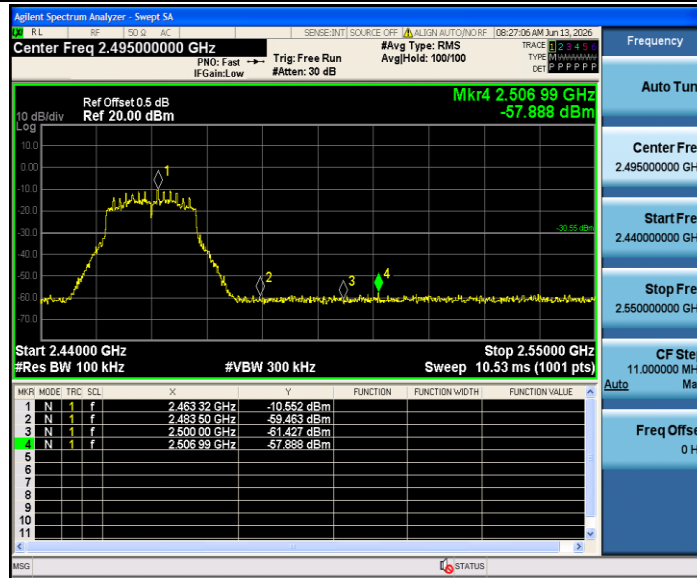
11G_Ant1_High_2462



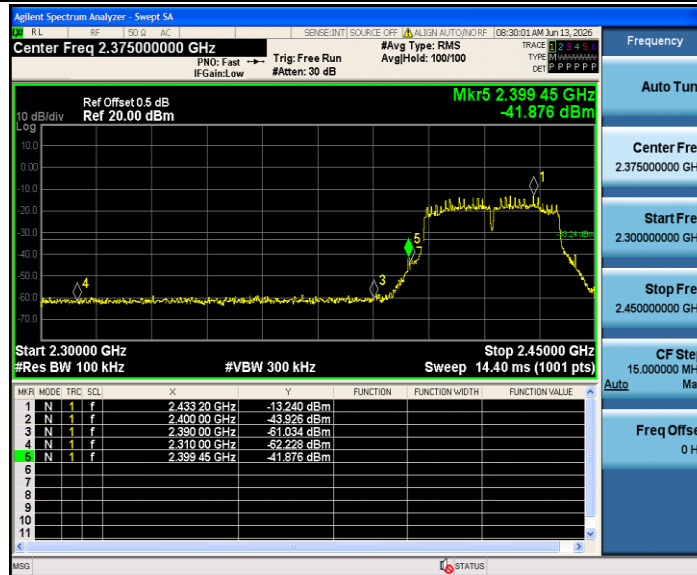
11N20SISO_Ant1_Low_2412



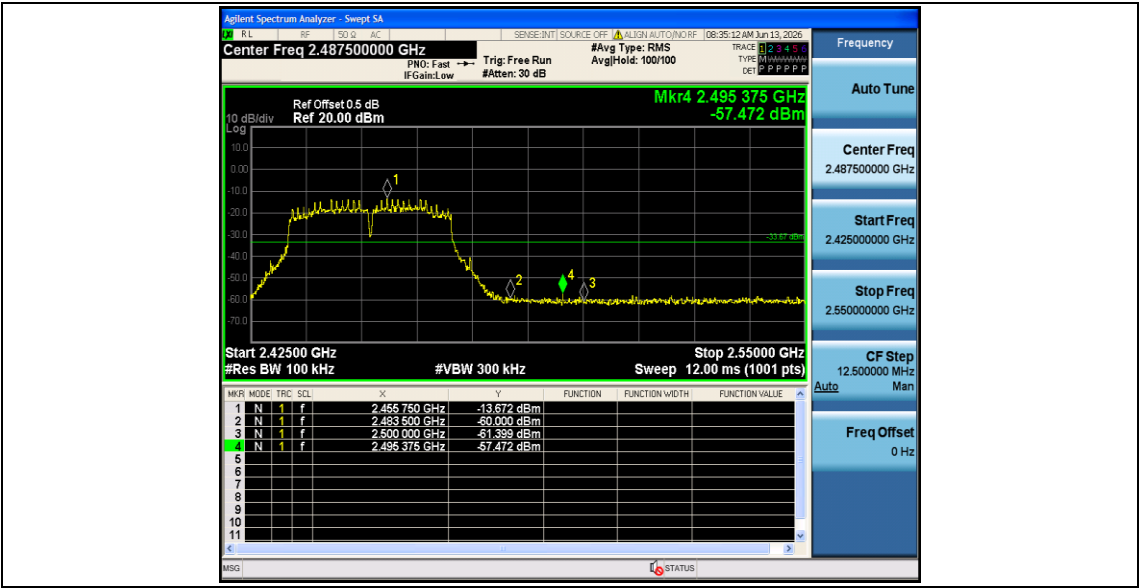
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

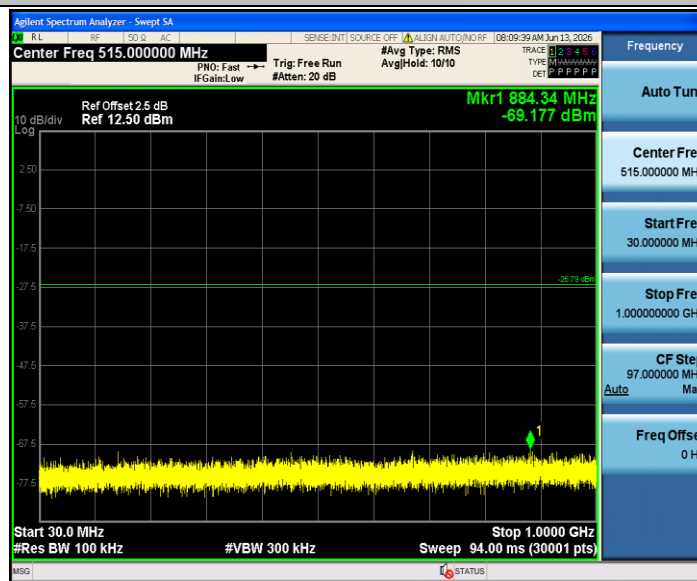
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-6.79	-6.79	---	PASS
			30~1000	-6.79	-69.18	≤-26.79	PASS
			1000~26500	-6.79	-56.85	≤-26.79	PASS
		2437	Reference	-6.28	-6.28	---	PASS
			30~1000	-6.28	-68.86	≤-26.28	PASS
			1000~26500	-6.28	-55.72	≤-26.28	PASS
		2462	Reference	-6.73	-6.73	---	PASS
			30~1000	-6.73	-68.38	≤-26.73	PASS
			1000~26500	-6.73	-56.02	≤-26.73	PASS
11G	Ant1	2412	Reference	-11.44	-11.44	---	PASS
			30~1000	-11.44	-68.71	≤-31.44	PASS
			1000~26500	-11.44	-56.75	≤-31.44	PASS
		2437	Reference	-11.08	-11.08	---	PASS
			30~1000	-11.08	-69.1	≤-31.08	PASS
			1000~26500	-11.08	-56.78	≤-31.08	PASS
		2462	Reference	-11.38	-11.38	---	PASS
			30~1000	-11.38	-69.22	≤-31.38	PASS
			1000~26500	-11.38	-57.1	≤-31.38	PASS
11N20SISO	Ant1	2412	Reference	-10.89	-10.89	---	PASS
			30~1000	-10.89	-69.35	≤-30.89	PASS
			1000~26500	-10.89	-56.69	≤-30.89	PASS
		2437	Reference	-11.17	-11.17	---	PASS
			30~1000	-11.17	-68.43	≤-31.17	PASS
			1000~26500	-11.17	-56.9	≤-31.17	PASS
		2462	Reference	-11.29	-11.29	---	PASS
			30~1000	-11.29	-68.71	≤-31.29	PASS
			1000~26500	-11.29	-56.04	≤-31.29	PASS
11N40SISO	Ant1	2422	Reference	-14.07	-14.07	---	PASS
			30~1000	-14.07	-68.85	≤-34.07	PASS
			1000~26500	-14.07	-56.9	≤-34.07	PASS
		2437	Reference	-14.01	-14.01	---	PASS
			30~1000	-14.01	-69.69	≤-34.01	PASS
			1000~26500	-14.01	-56.82	≤-34.01	PASS
		2452	Reference	-14.03	-14.03	---	PASS
			30~1000	-14.03	-68.33	≤-34.03	PASS
			1000~26500	-14.03	-56.42	≤-34.03	PASS

Test Graphs

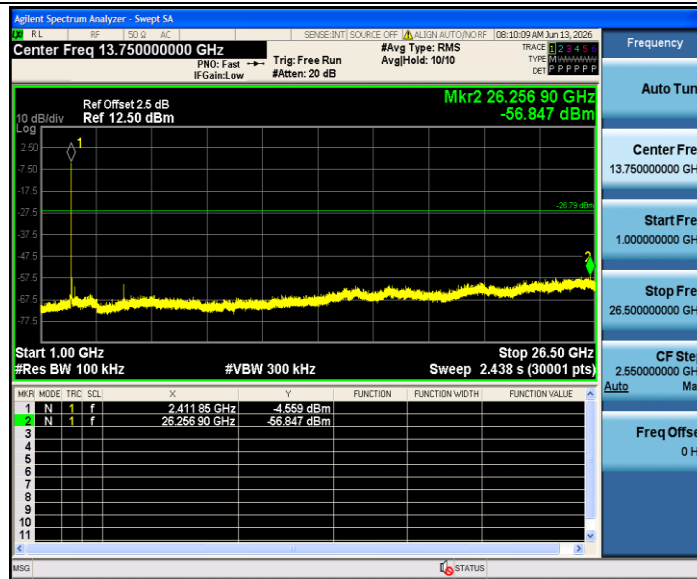
11B_Ant1_2412_0~Reference



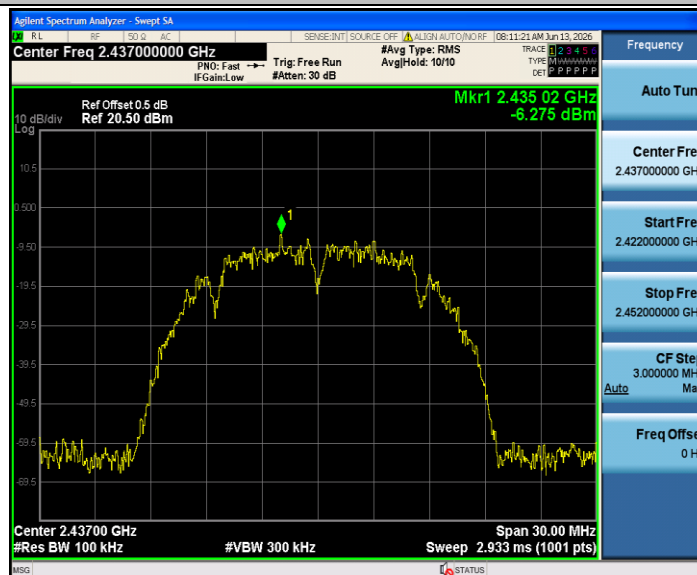
11B_Ant1_2412_30~1000



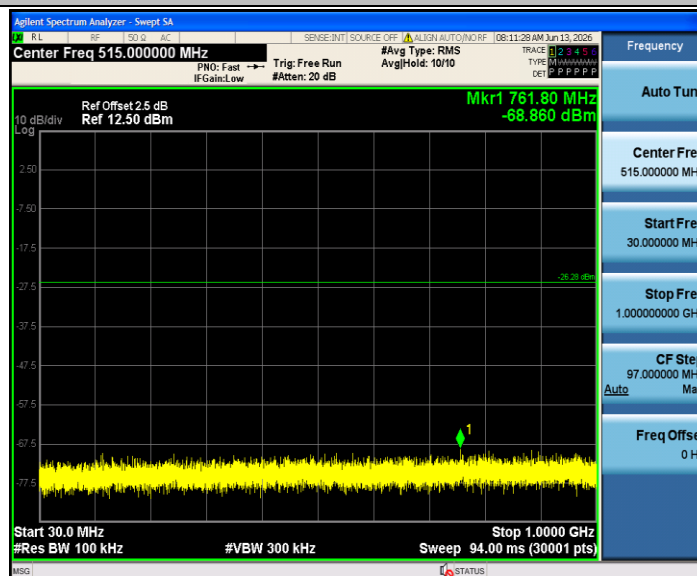
11B_Ant1_2412_1000~26500



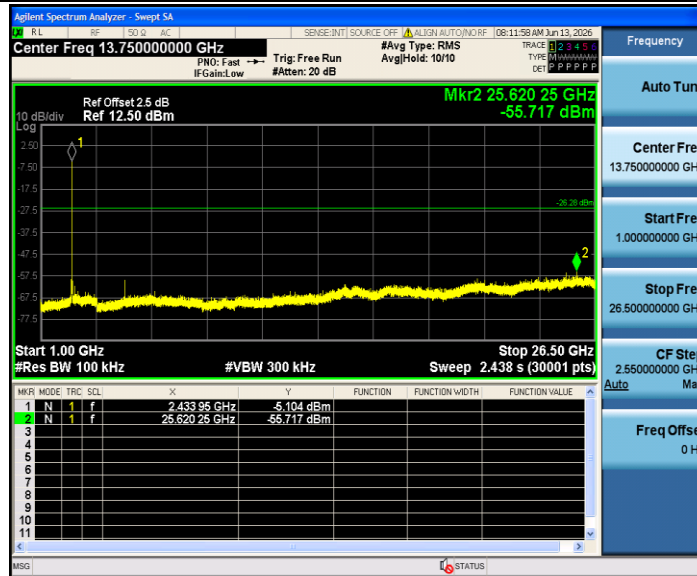
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



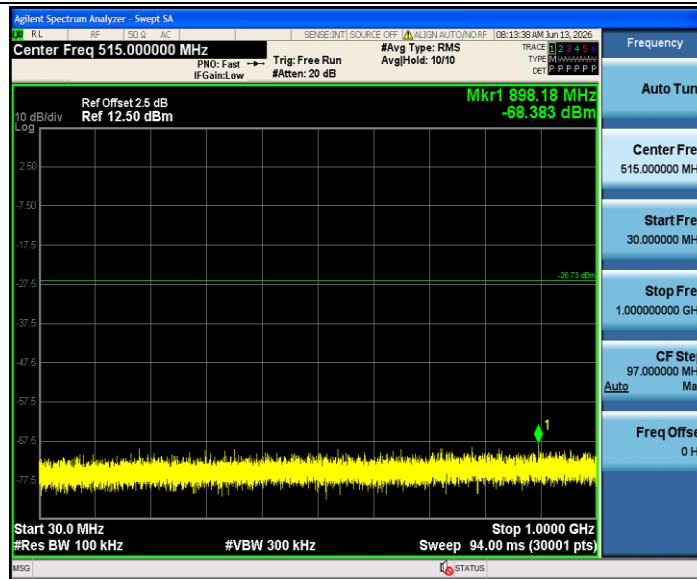
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



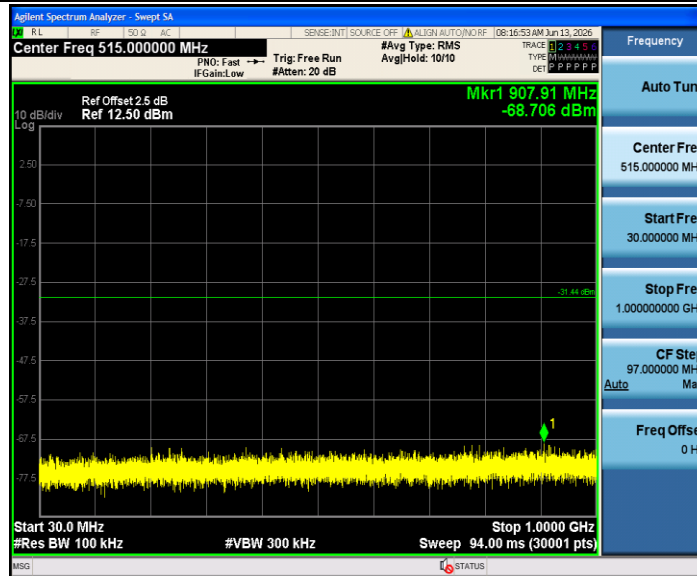
11B_Ant1_2462_1000~26500



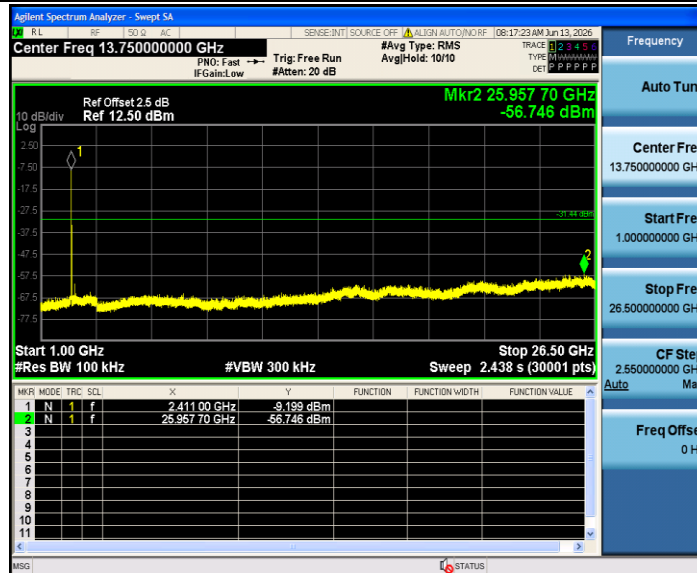
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



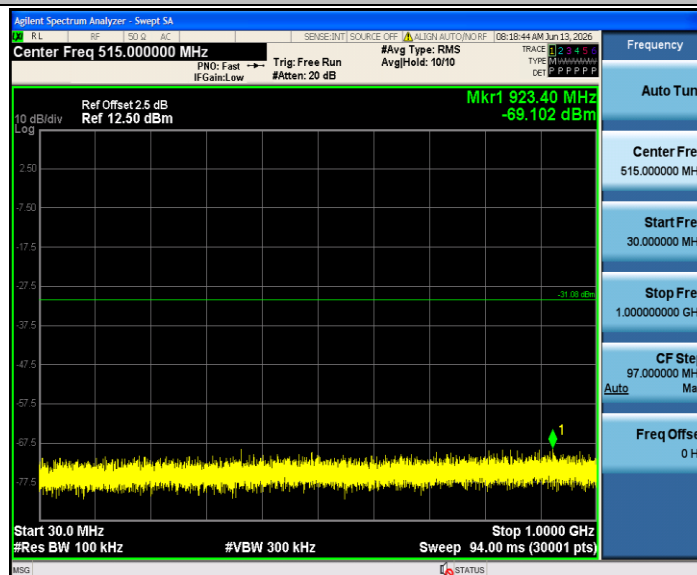
11G_Ant1_2412_1000~26500



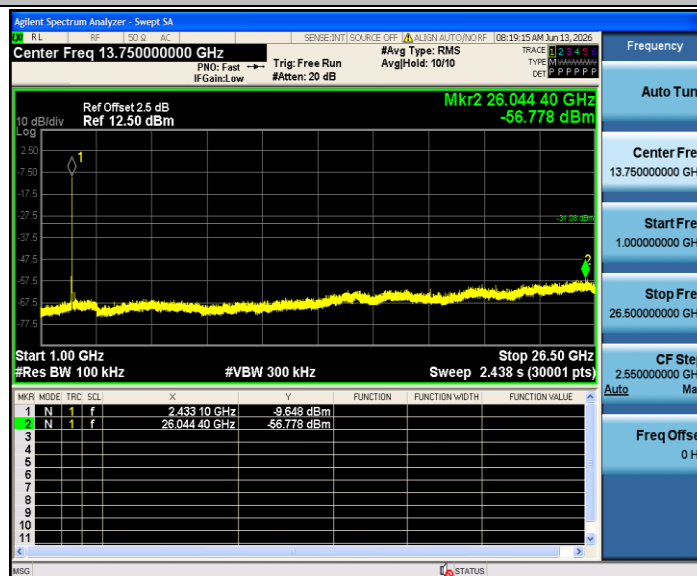
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



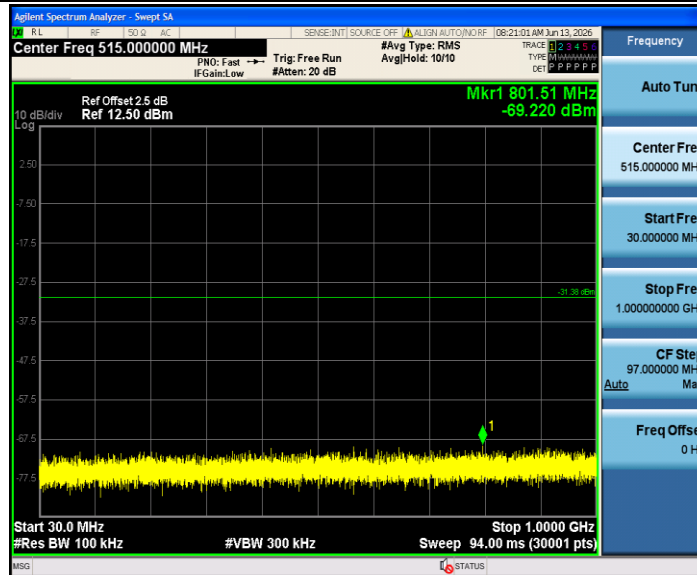
11G_Ant1_2437_1000~26500



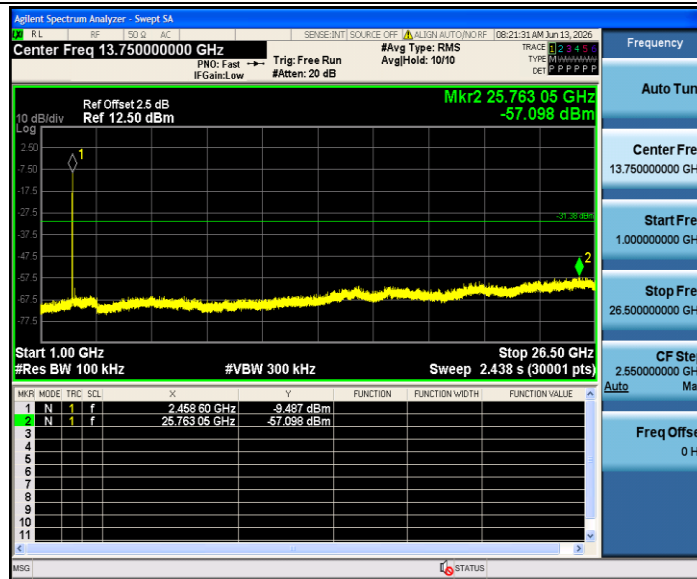
11G_Ant1_2462_0~Reference



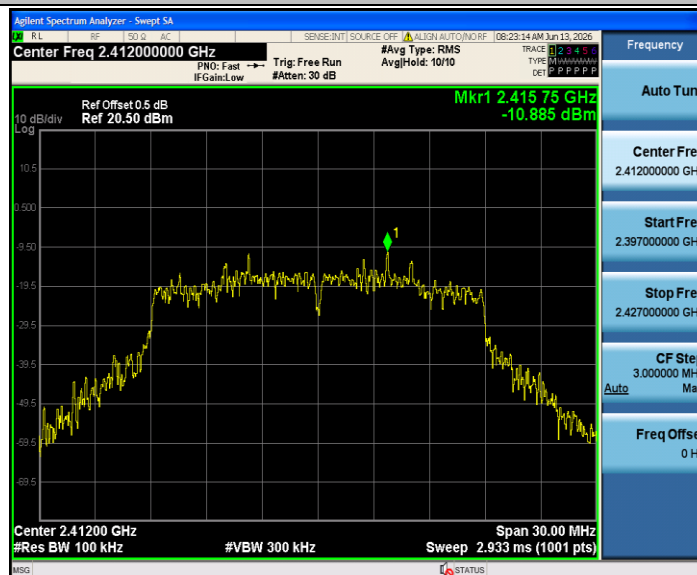
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

