

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BXDE-QL600

Company : GUANGZHOU AUTORAIL CO., LTD

EUT : Battery Curtain Motor

Model Number : QL600

Report No. : CTA26062601601

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	10.200	2406.920	2417.120	0.5	PASS
		2437	10.200	2431.920	2442.120	0.5	PASS
		2462	10.160	2456.960	2467.120	0.5	PASS
11G	Ant1	2412	15.880	2404.080	2419.960	0.5	PASS
		2437	15.640	2429.080	2444.720	0.5	PASS
		2462	15.680	2454.320	2470.000	0.5	PASS
11N20SISO	Ant1	2412	16.720	2403.720	2420.440	0.5	PASS
		2437	16.520	2428.480	2445.000	0.5	PASS
		2462	16.680	2453.720	2470.400	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412

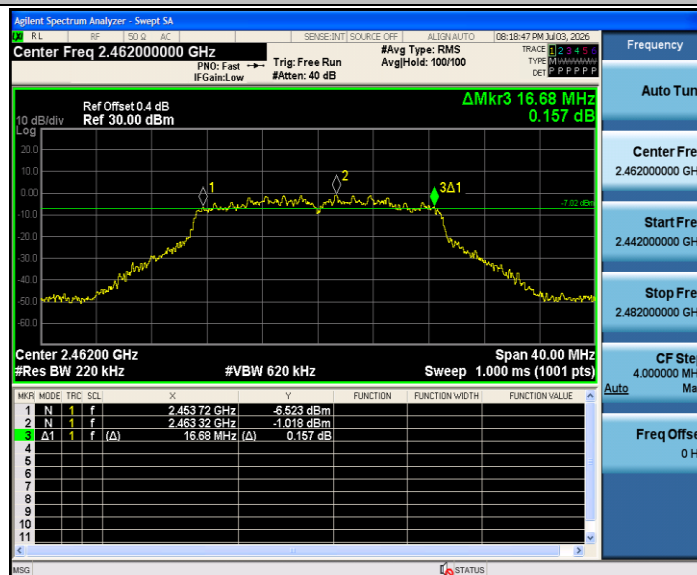


11G_Ant1_2437





11N20SISO_Ant1_2462



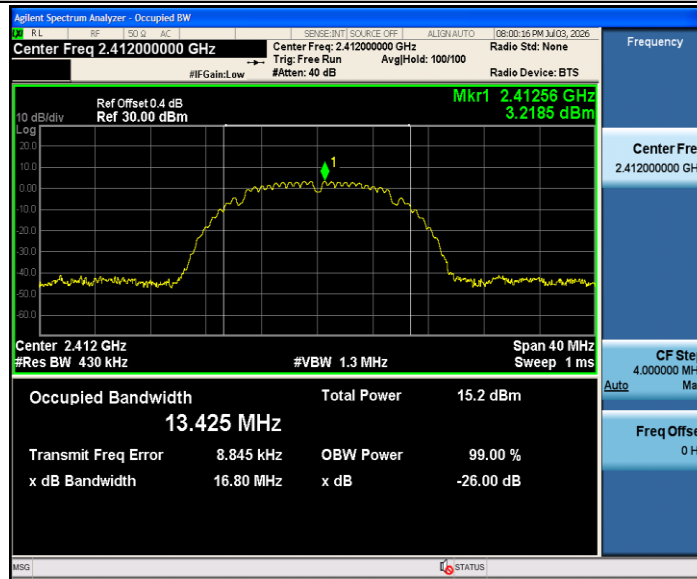
Appendix B: Occupied Channel Bandwidth

Test Result

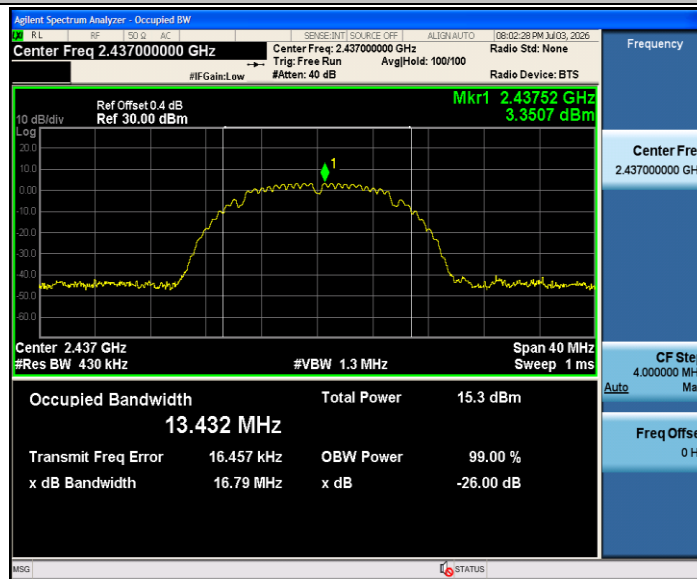
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.425	2405.2963	2418.7213	---	---
		2437	13.432	2430.3005	2443.7325	---	---
		2462	13.431	2455.3085	2468.7395	---	---
11G	Ant1	2412	16.861	2403.6179	2420.4789	---	---
		2437	16.828	2428.6162	2445.4442	---	---
		2462	16.866	2453.5975	2470.4635	---	---
11N20SISO	Ant1	2412	17.846	2403.0855	2420.9315	---	---
		2437	17.873	2428.0925	2445.9655	---	---
		2462	17.911	2453.0542	2470.9652	---	---

Test Graphs

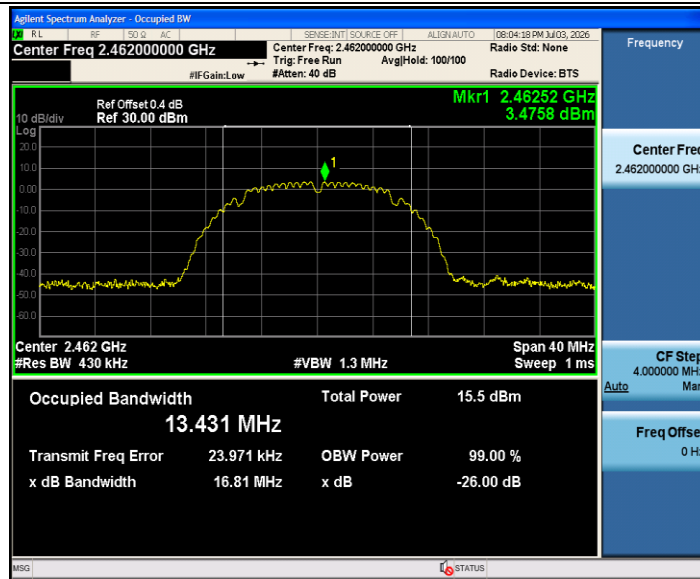
11B_Ant1_2412



11B_Ant1_2437



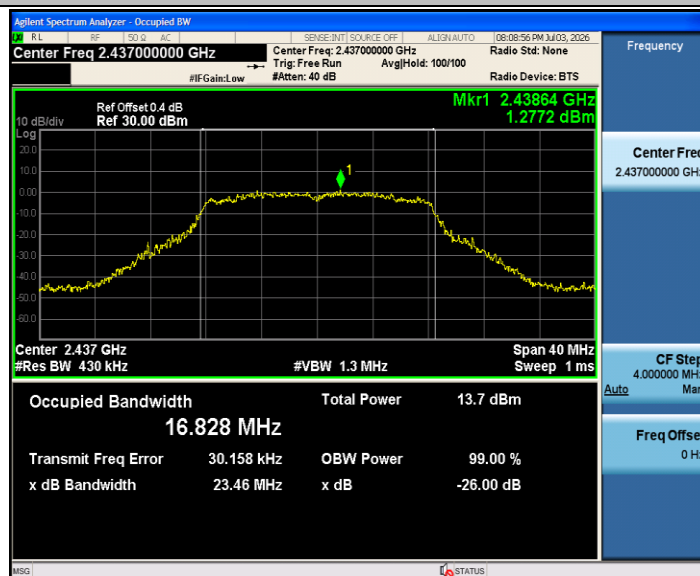
11B_Ant1_2462



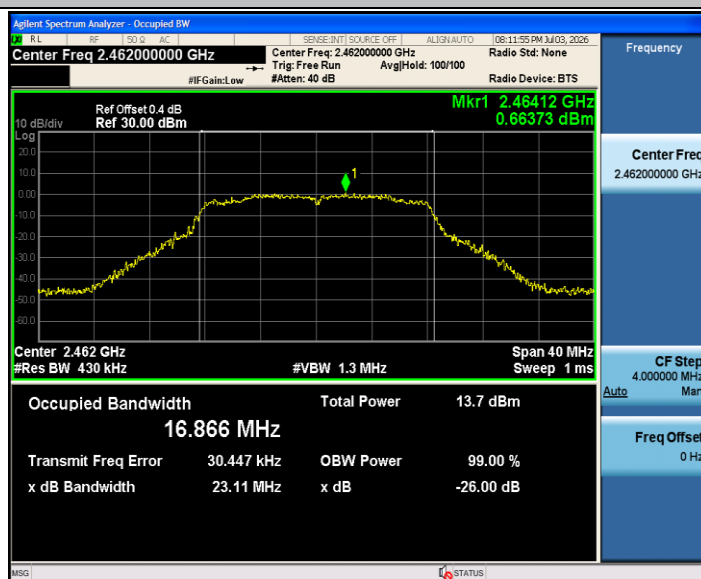
11G_Ant1_2412



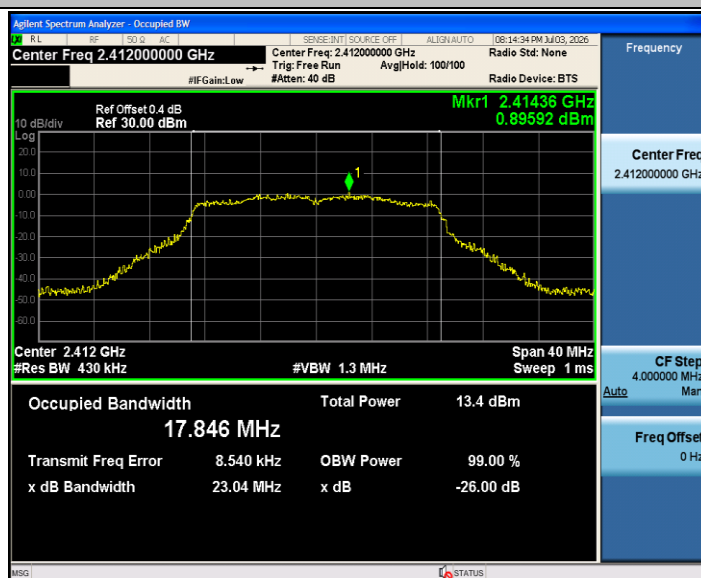
11G_Ant1_2437



11G_Ant1_2462



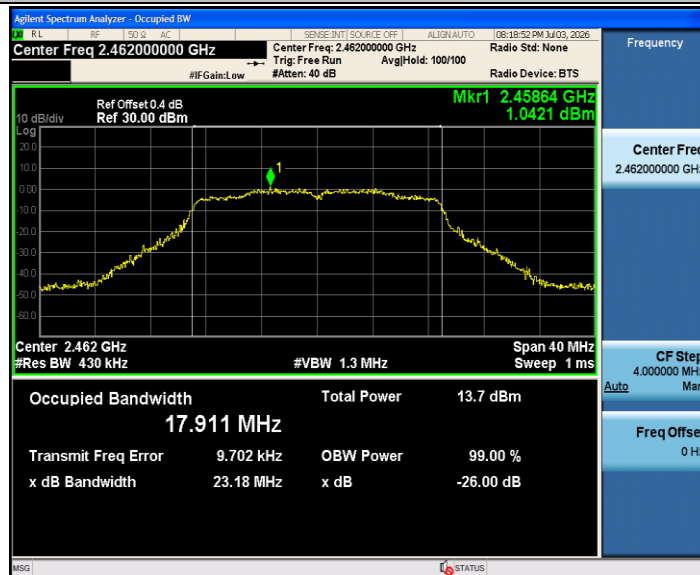
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[M Hz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.88	≤30.00	PASS
		2437	14.90	≤30.00	PASS
		2462	15.19	≤30.00	PASS
11G	Ant1	2412	14.42	≤30.00	PASS
		2437	14.45	≤30.00	PASS
		2462	14.76	≤30.00	PASS
11N20SISO	Ant1	2412	14.32	≤30.00	PASS
		2437	14.38	≤30.00	PASS
		2462	14.67	≤30.00	PASS

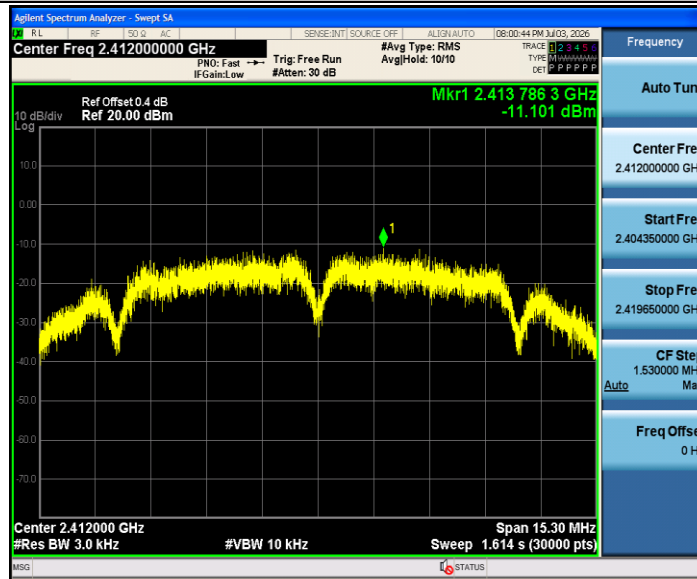
Appendix D: Maximum power spectral density

Test Result

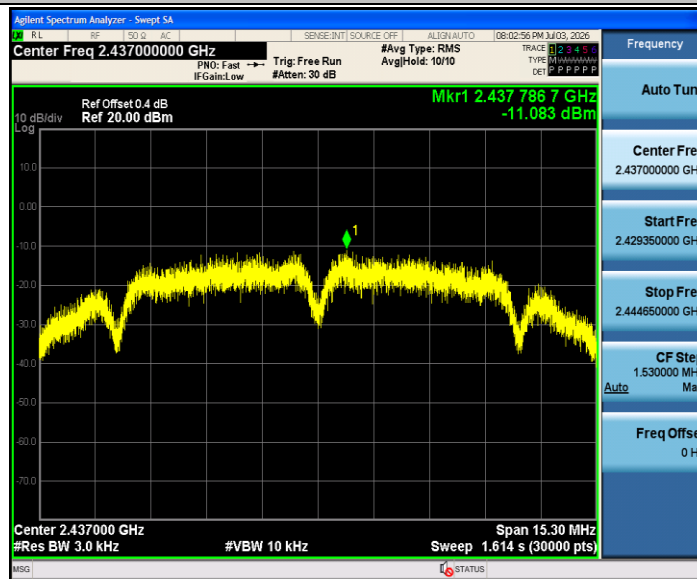
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.10	≤8.00	PASS
		2437	-11.08	≤8.00	PASS
		2462	-10.83	≤8.00	PASS
11G	Ant1	2412	-17.16	≤8.00	PASS
		2437	-17.18	≤8.00	PASS
		2462	-16.86	≤8.00	PASS
11N20SISO	Ant1	2412	-17.32	≤8.00	PASS
		2437	-17.29	≤8.00	PASS
		2462	-16.25	≤8.00	PASS

Test Graphs

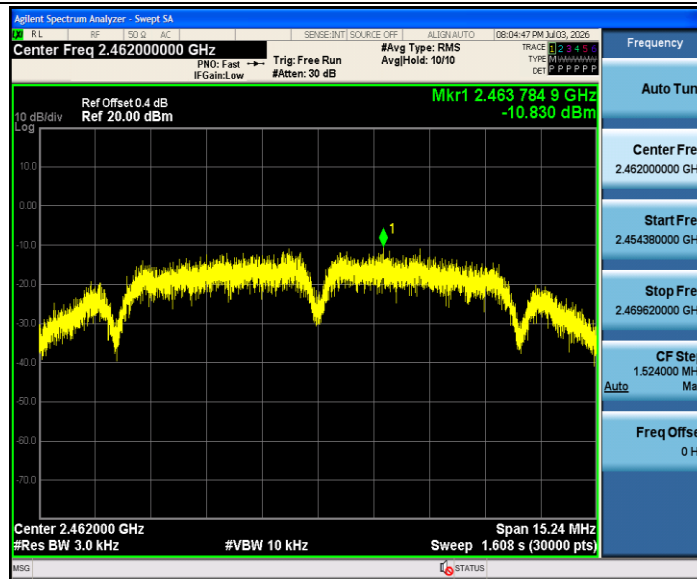
11B_Ant1_2412



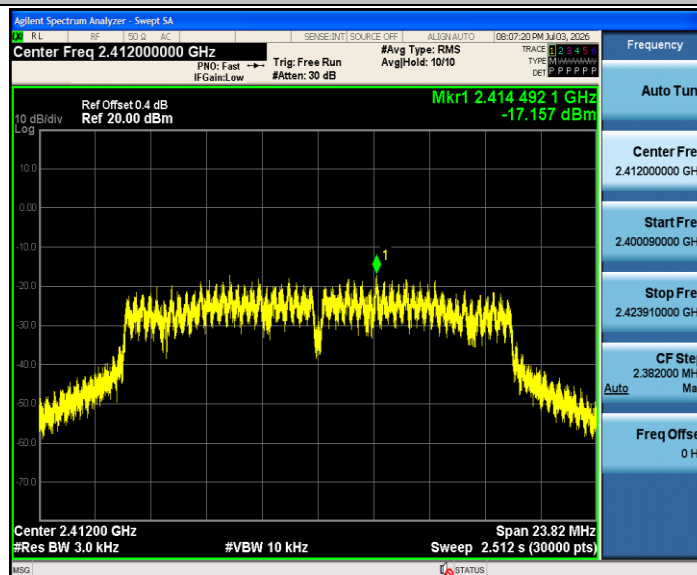
11B_Ant1_2437



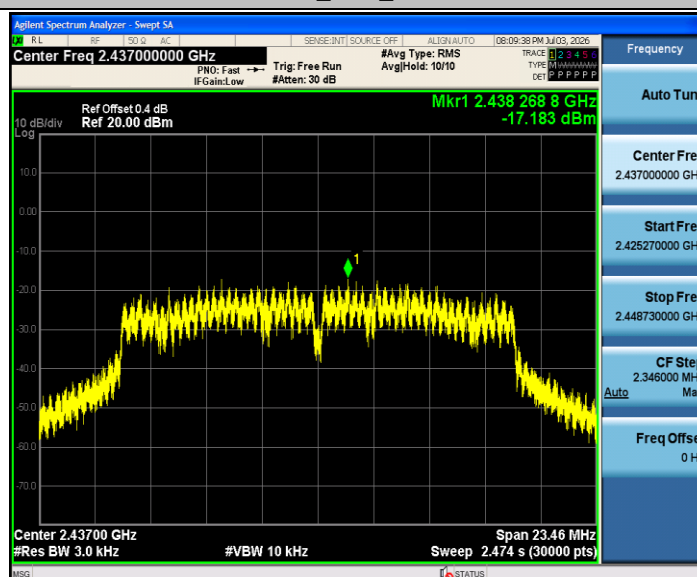
11B_Ant1_2462



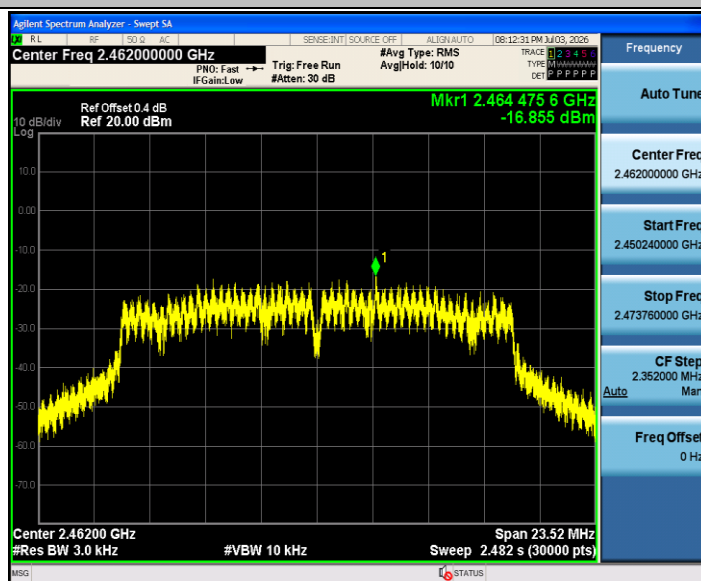
11G_Ant1_2412



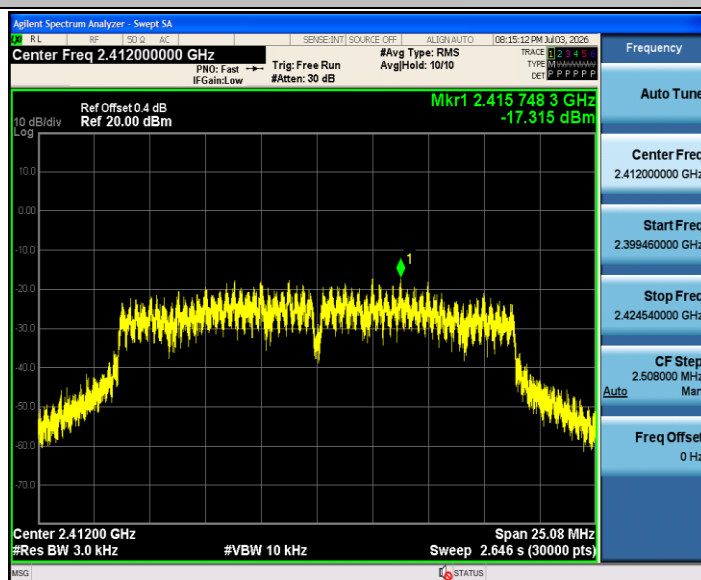
11G_Ant1_2437



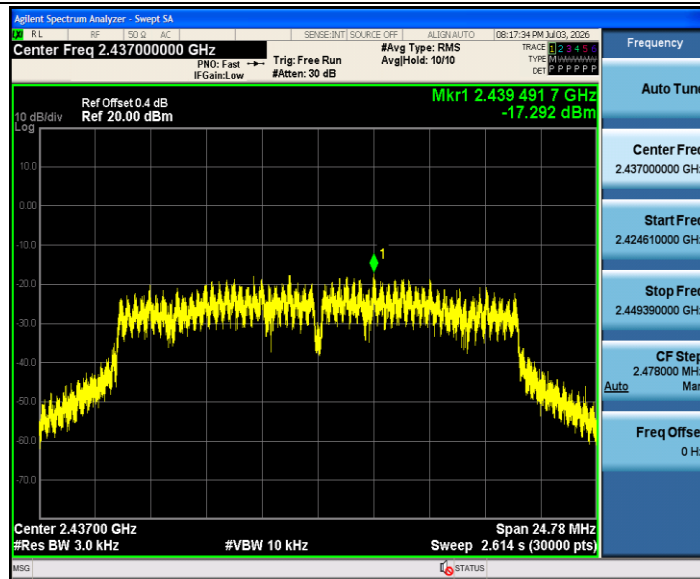
11G_Ant1_2462



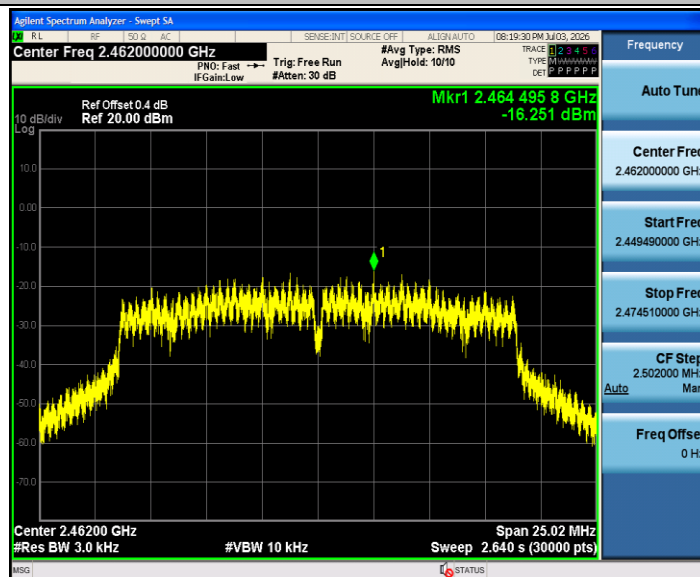
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



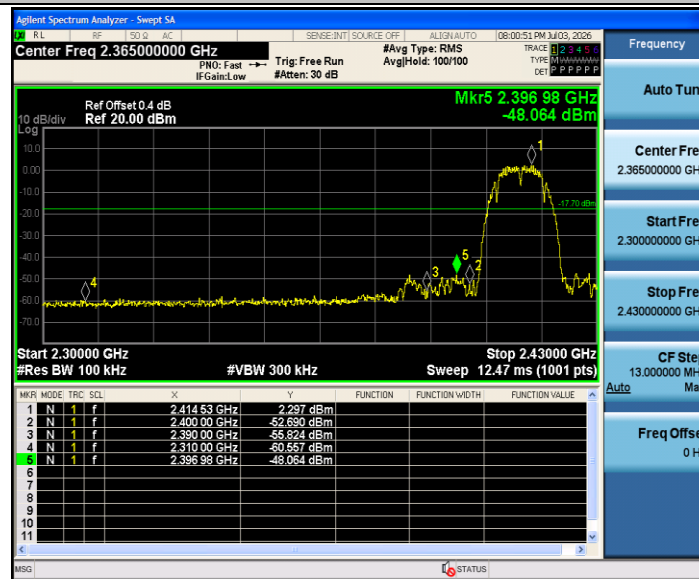
Appendix E: Band edge measurements

Test Result

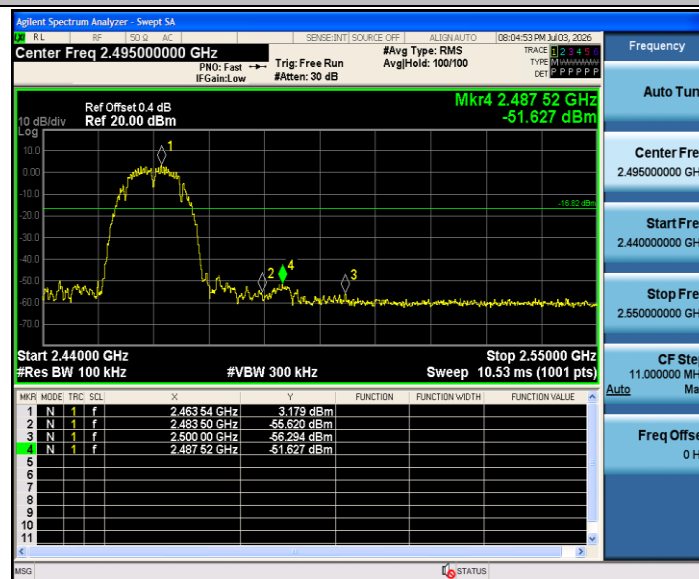
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.30	-48.06	≤-17.7	PASS
		High	2462	3.18	-51.63	≤-16.82	PASS
11G	Ant1	Low	2412	-1.98	-33.05	≤-21.98	PASS
		High	2462	-1.92	-58.3	≤-21.92	PASS
11N20SISO	Ant1	Low	2412	-2.06	-32.8	≤-22.06	PASS
		High	2462	-1.79	-58.07	≤-21.79	PASS

Test Graphs

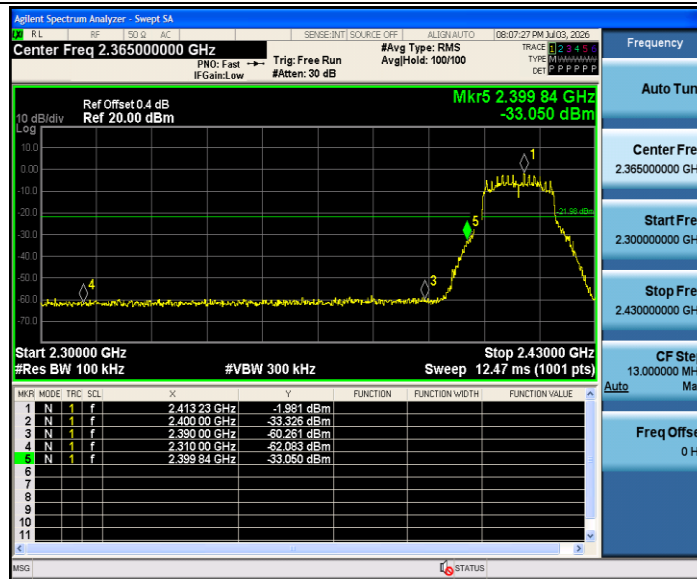
11B_Ant1_Low_2412



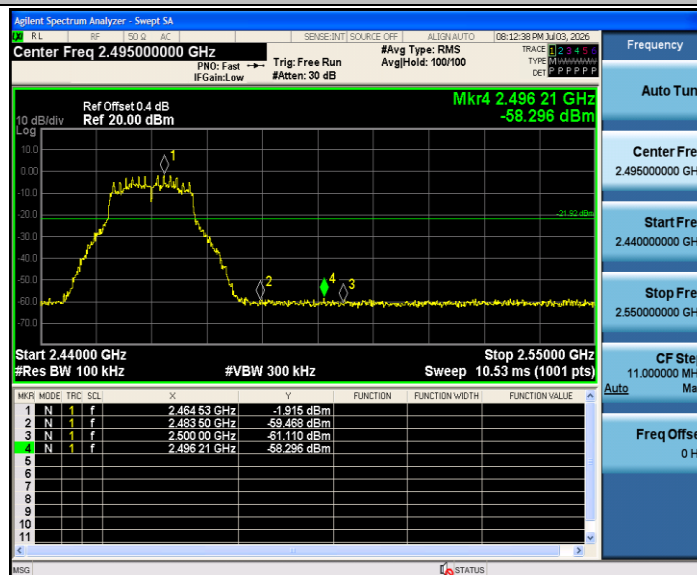
11B_Ant1_High_2462



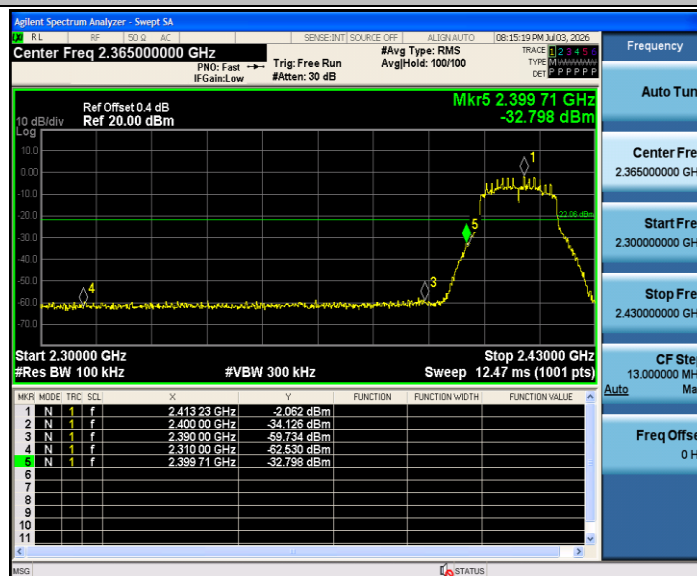
11G_Ant1_Low_2412



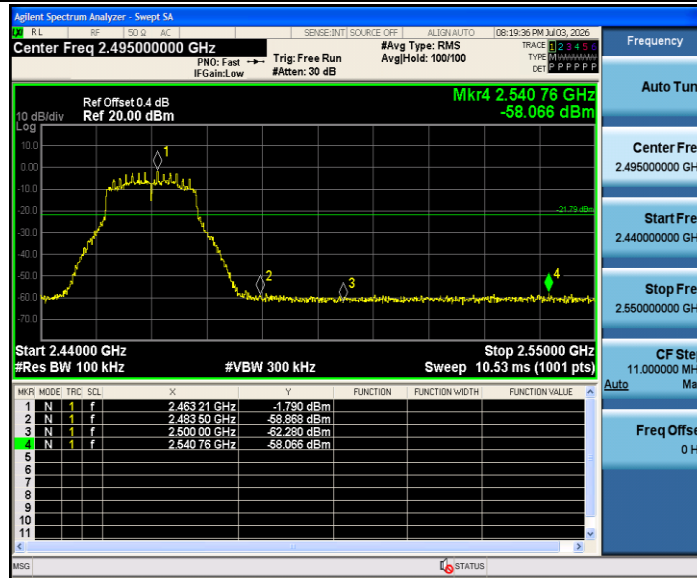
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

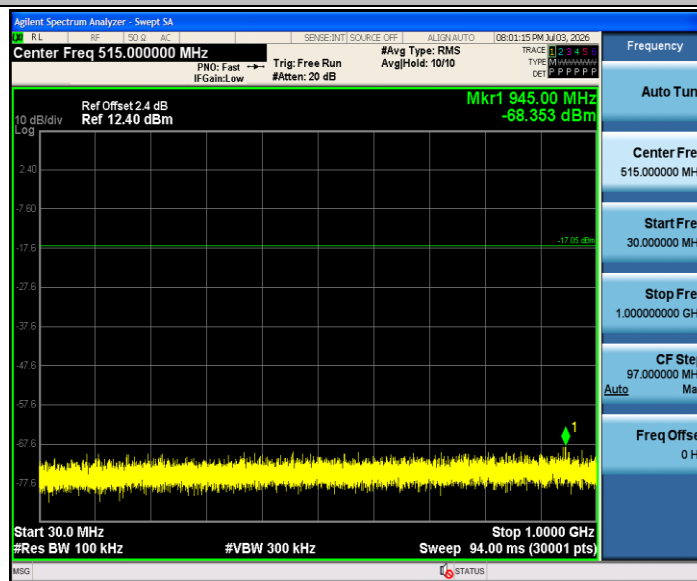
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.95	2.95	---	PASS
			30~1000	2.95	-68.35	≤-17.05	PASS
			1000~26500	2.95	-45.68	≤-17.05	PASS
		2437	Reference	2.19	2.19	---	PASS
			30~1000	2.19	-68.85	≤-17.81	PASS
			1000~26500	2.19	-46.6	≤-17.81	PASS
		2462	Reference	2.37	2.37	---	PASS
			30~1000	2.37	-69.02	≤-17.63	PASS
			1000~26500	2.37	-45.99	≤-17.63	PASS
11G	Ant1	2412	Reference	-2.83	-2.83	---	PASS
			30~1000	-2.83	-69.53	≤-22.83	PASS
			1000~26500	-2.83	-47.05	≤-22.83	PASS
		2437	Reference	-2.01	-2.01	---	PASS
			30~1000	-2.01	-69.25	≤-22.01	PASS
			1000~26500	-2.01	-46.16	≤-22.01	PASS
		2462	Reference	-2.44	-2.44	---	PASS
			30~1000	-2.44	-69.21	≤-22.44	PASS
			1000~26500	-2.44	-46.41	≤-22.44	PASS
11N20SISO	Ant1	2412	Reference	-3.30	-3.30	---	PASS
			30~1000	-3.30	-68.23	≤-23.3	PASS
			1000~26500	-3.30	-46.57	≤-23.3	PASS
		2437	Reference	-2.46	-2.46	---	PASS
			30~1000	-2.46	-69.13	≤-22.46	PASS
			1000~26500	-2.46	-45.72	≤-22.46	PASS
		2462	Reference	-2.39	-2.39	---	PASS
			30~1000	-2.39	-69.01	≤-22.39	PASS
			1000~26500	-2.39	-46.38	≤-22.39	PASS

Test Graphs

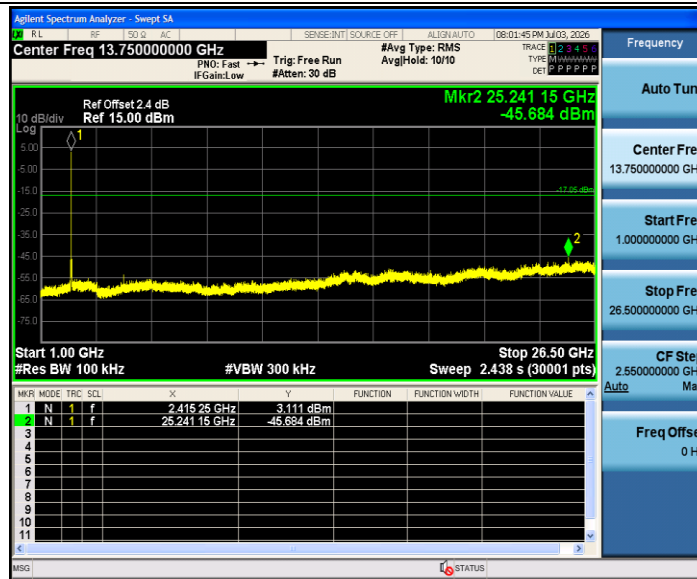
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



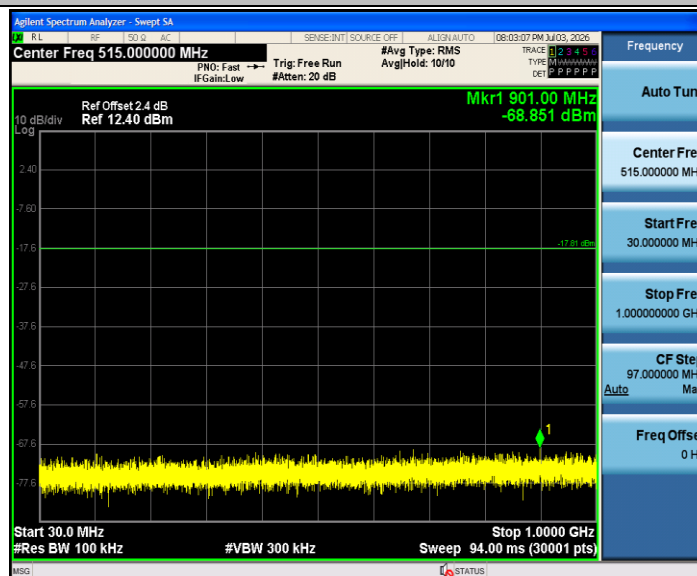
11B_Ant1_2412_1000~26500



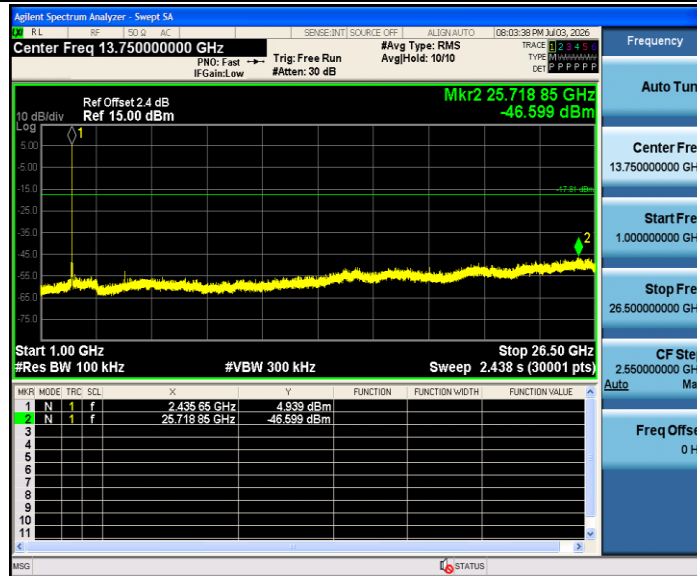
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



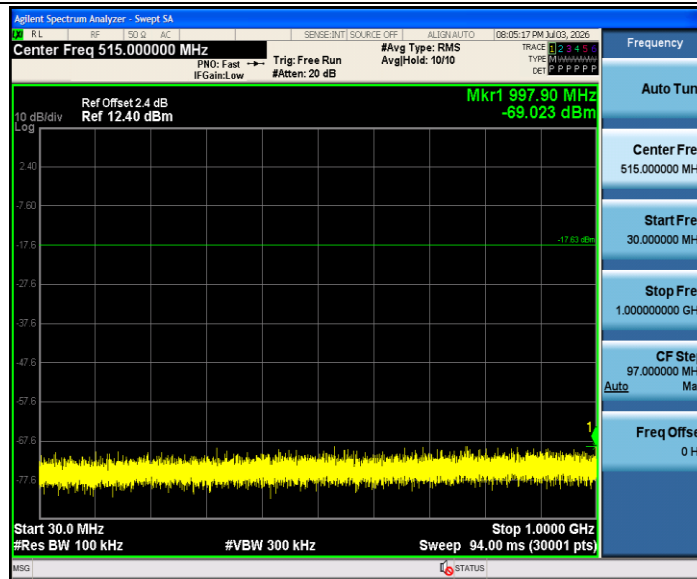
11B_Ant1_2437_1000~26500



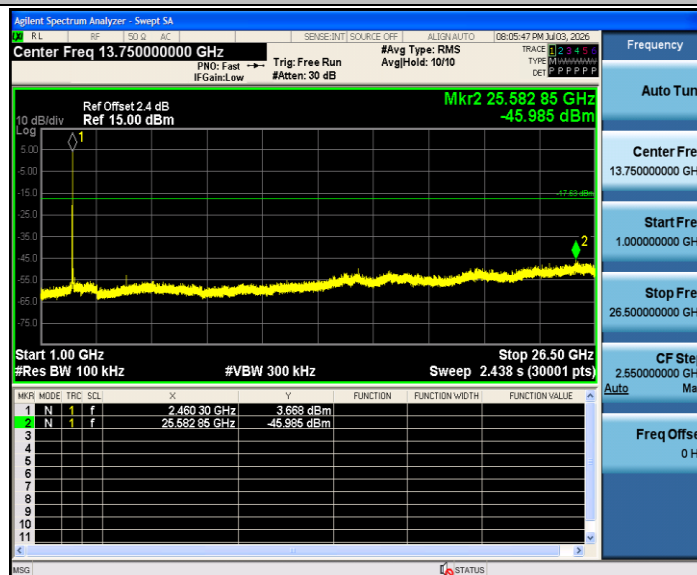
11B_Ant1_2462_0~Reference



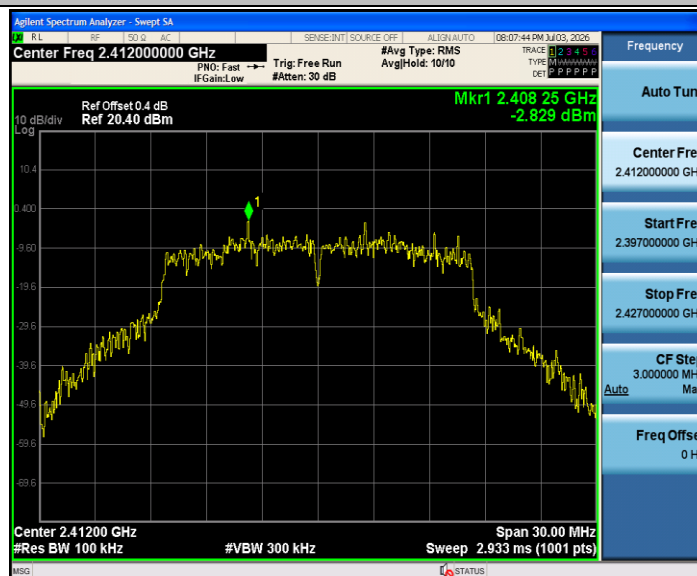
11B_Ant1_2462_30~1000



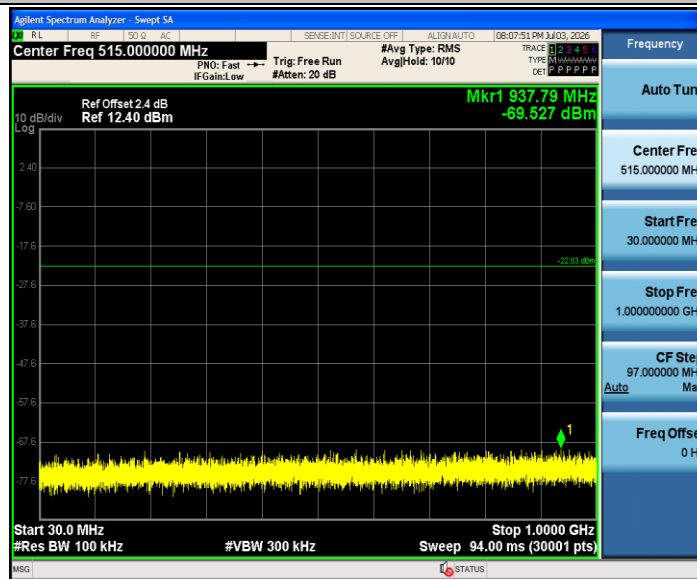
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



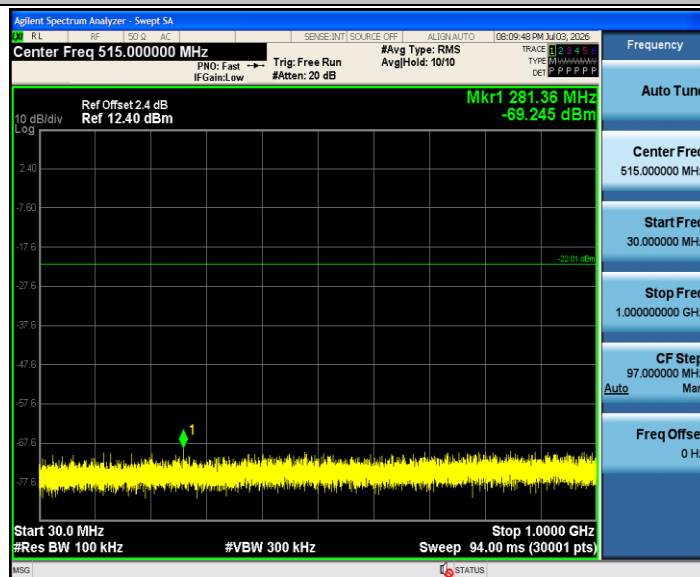
11G_Ant1_2412_1000~26500



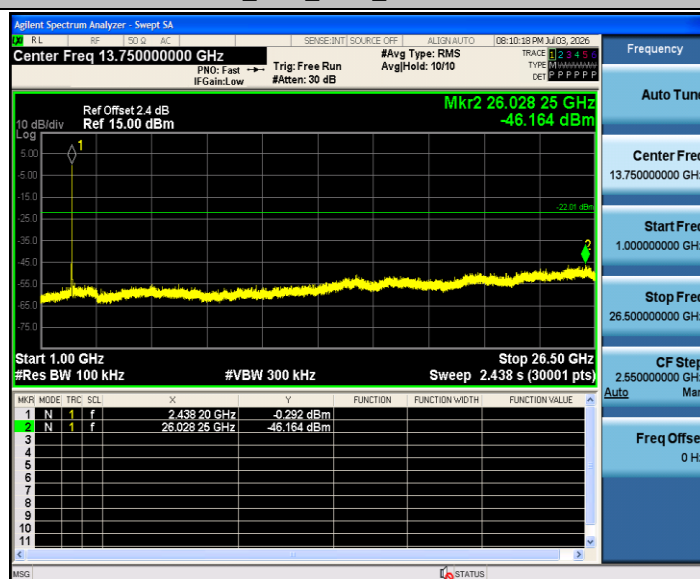
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



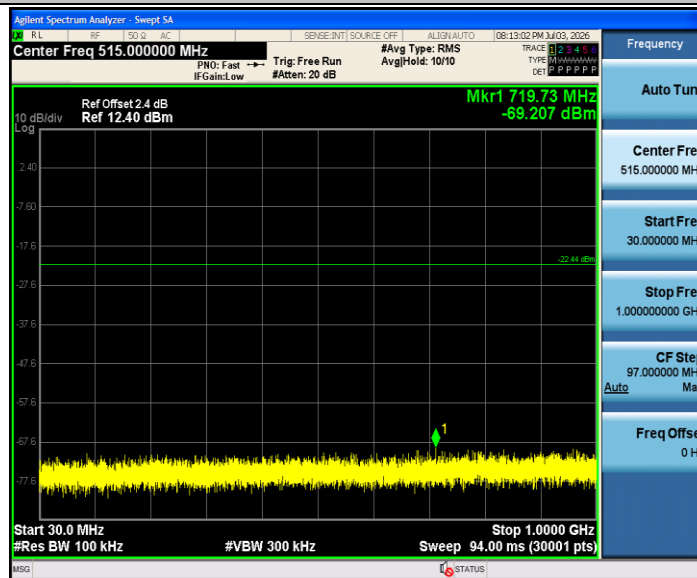
11G_Ant1_2437_1000~26500



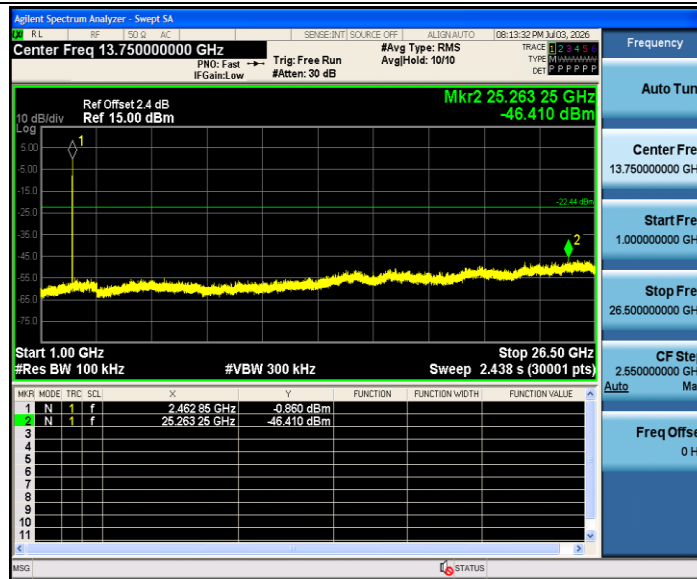
11G_Ant1_2462_0~Reference



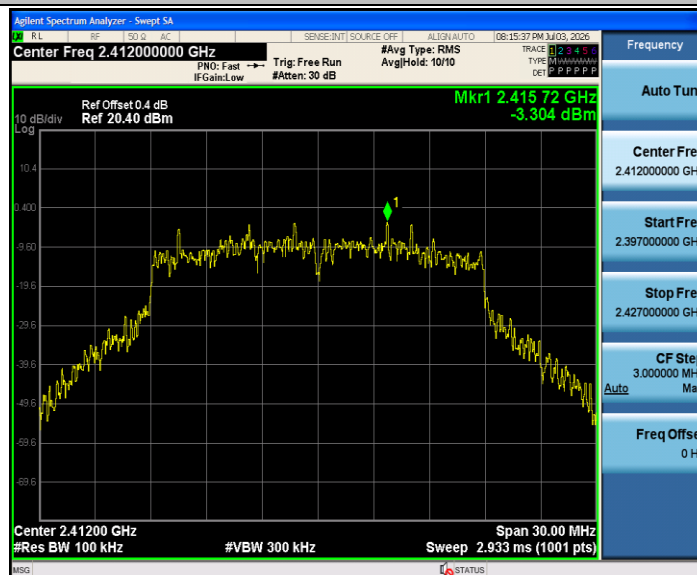
11G_Ant1_2462_30~1000



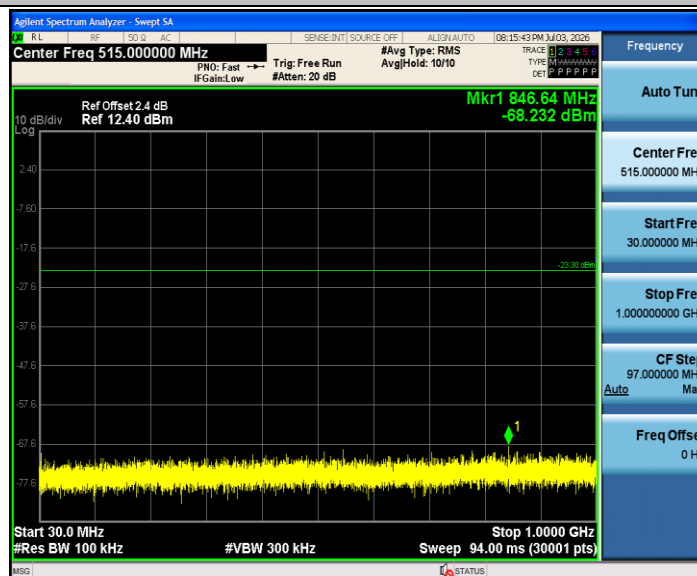
11G_Ant1_2462_1000~26500



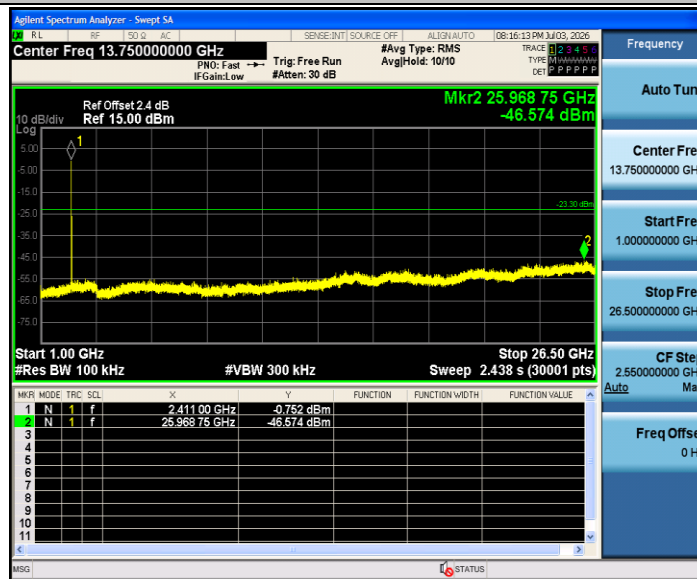
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



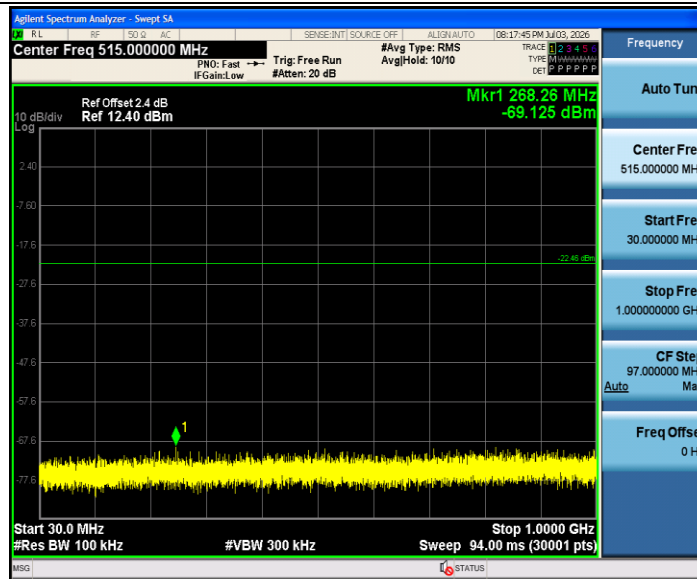
11N20SISO_Ant1_2412_1000~26500



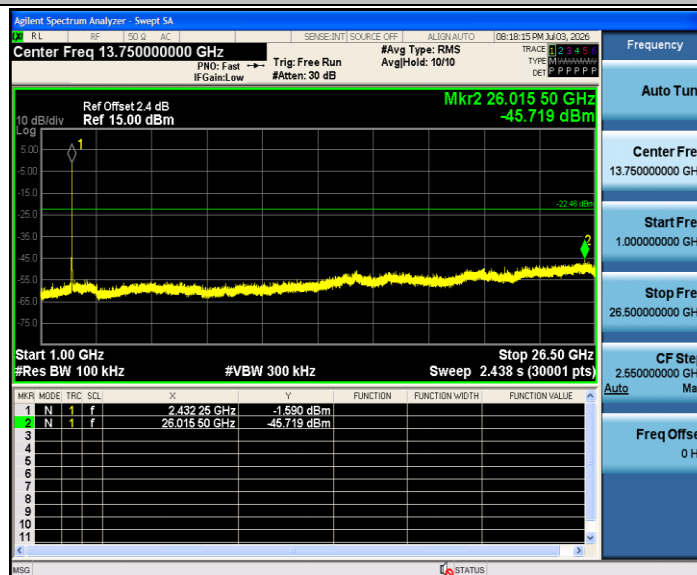
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference

