

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BXD2-HHKCSS016YB

Company : Honghui Kuaicang Technology (Shenzhen) Co., Ltd

EUT : Mobile intelligent shelf

Model Number : HHKCSS016YB

Report No. : CTA26072801901

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	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	15.600	2404.440	2420.040	0.5	PASS
		2437	15.920	2429.080	2445.000	0.5	PASS
		2462	15.400	2454.440	2469.840	0.5	PASS
11N20SISO	Ant1	2412	16.480	2403.880	2420.360	0.5	PASS
		2437	16.840	2428.520	2445.360	0.5	PASS
		2462	17.000	2453.440	2470.440	0.5	PASS

Test Graphs

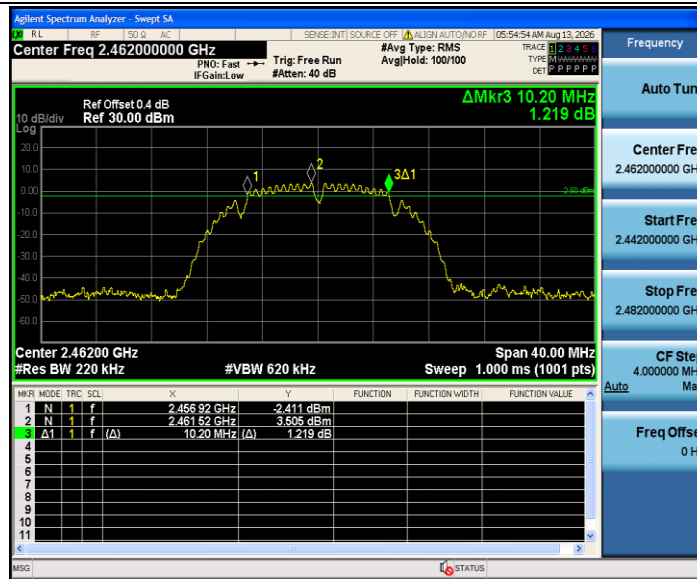
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



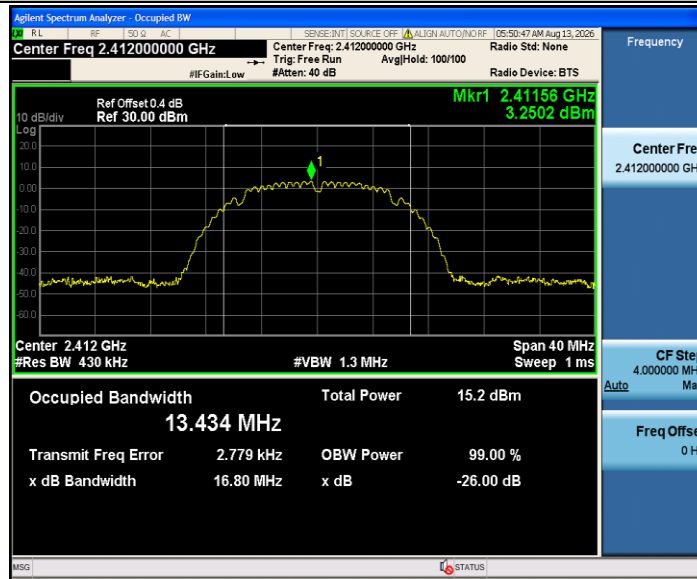
Appendix B: Occupied Channel Bandwidth

Test Result

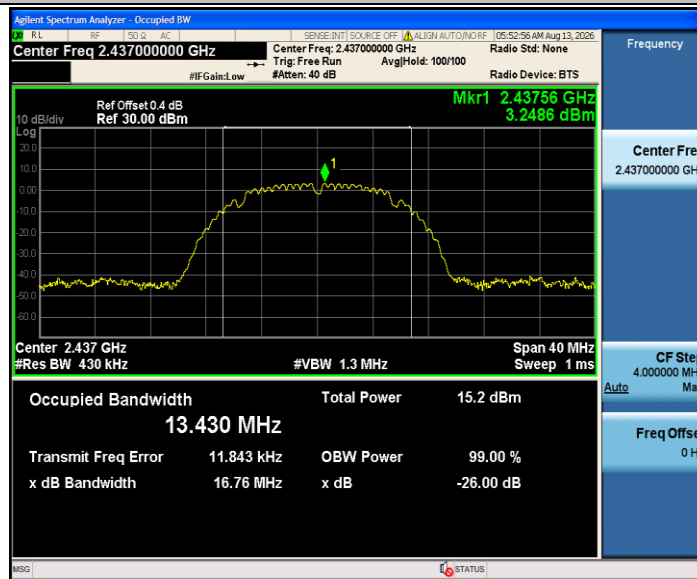
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.434	2405.2858	2418.7198	---	---
		2437	13.430	2430.2968	2443.7268	---	---
		2462	13.424	2455.3095	2468.7335	---	---
11G	Ant1	2412	16.859	2403.6141	2420.4731	---	---
		2437	16.877	2428.6235	2445.5005	---	---
		2462	16.782	2453.6776	2470.4596	---	---
11N20SISO	Ant1	2412	17.883	2403.0728	2420.9558	---	---
		2437	17.889	2428.1036	2445.9926	---	---
		2462	17.861	2453.1077	2470.9687	---	---

Test Graphs

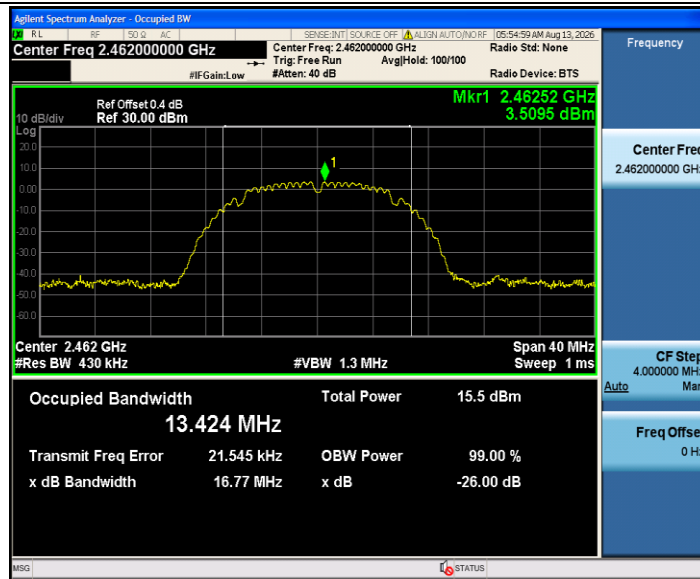
11B_Ant1_2412



11B_Ant1_2437



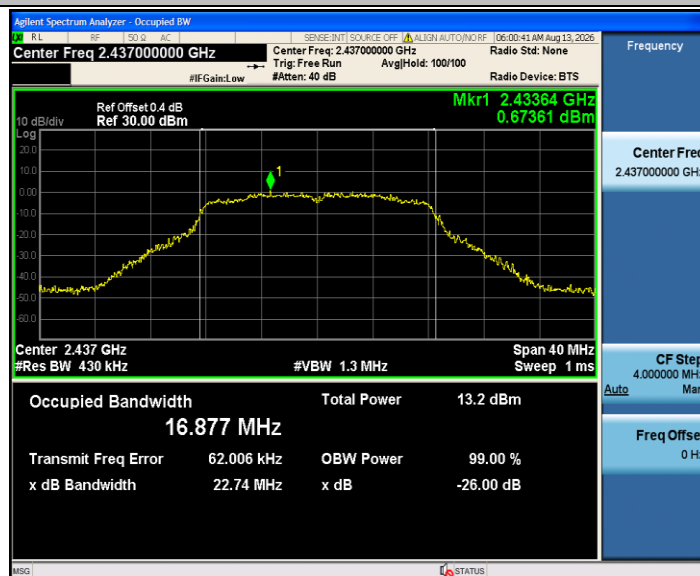
11B_Ant1_2462



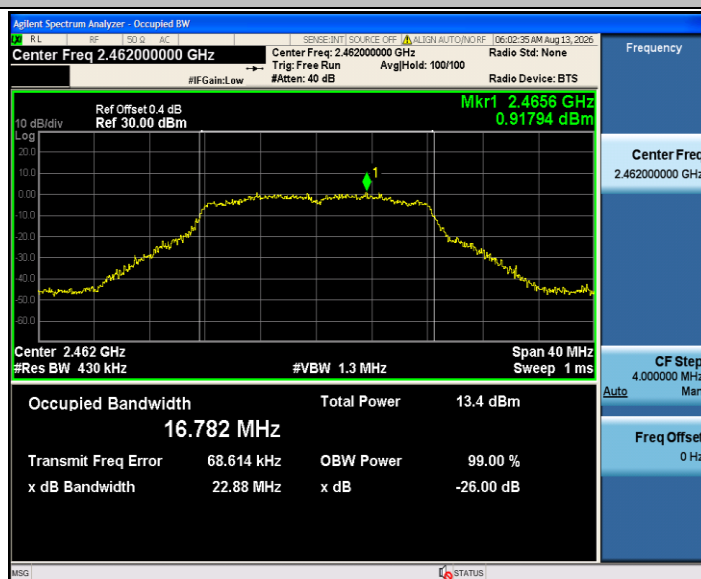
11G_Ant1_2412



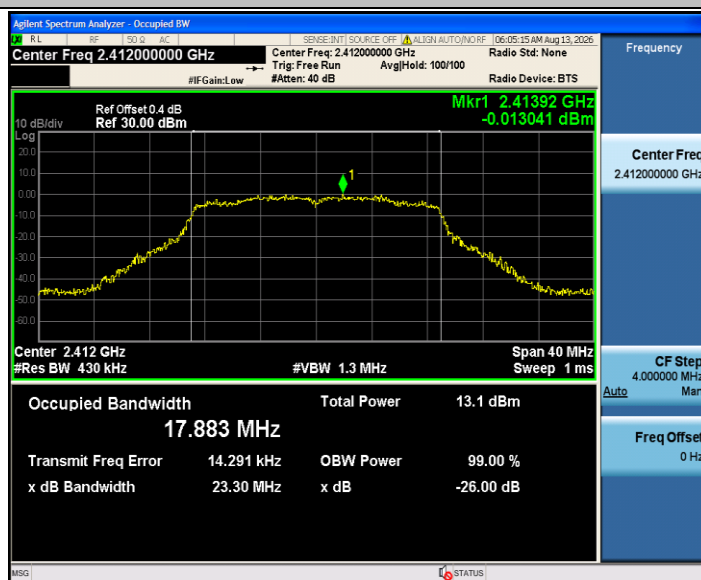
11G_Ant1_2437



11G_Ant1_2462



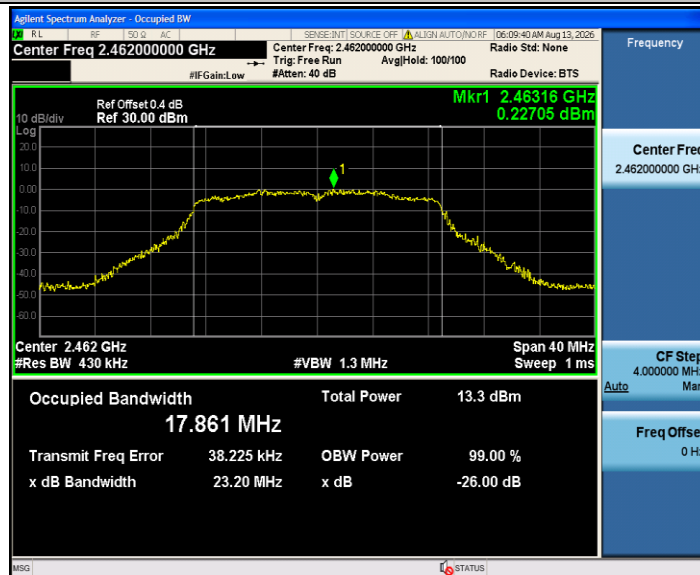
11N20SISO_Ant1_2412



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	14.80	≤30.00	PASS
		2437	14.99	≤30.00	PASS
		2462	15.15	≤30.00	PASS
11G	Ant1	2412	14.01	≤30.00	PASS
		2437	14.13	≤30.00	PASS
		2462	14.34	≤30.00	PASS
11N20SISO	Ant1	2412	13.85	≤30.00	PASS
		2437	14.10	≤30.00	PASS
		2462	14.22	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

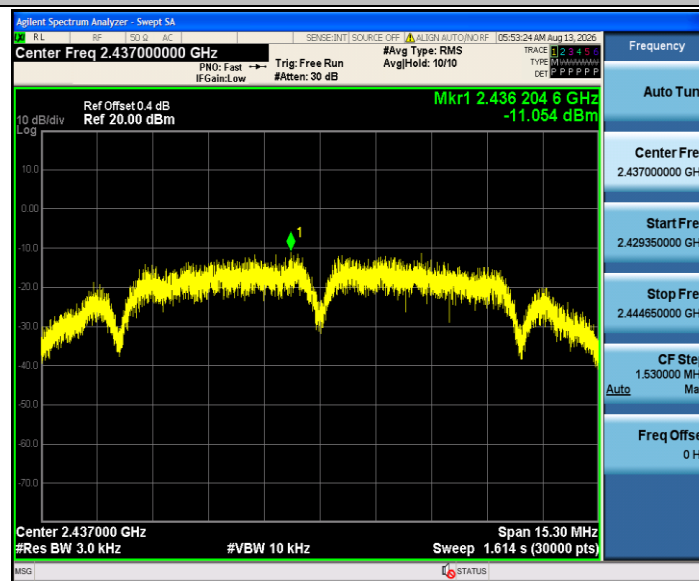
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.33	≤8.00	PASS
		2437	-11.05	≤8.00	PASS
		2462	-10.33	≤8.00	PASS
11G	Ant1	2412	-17.32	≤8.00	PASS
		2437	-16.79	≤8.00	PASS
		2462	-17.37	≤8.00	PASS
11N20SISO	Ant1	2412	-16.89	≤8.00	PASS
		2437	-17.74	≤8.00	PASS
		2462	-16.71	≤8.00	PASS

Test Graphs

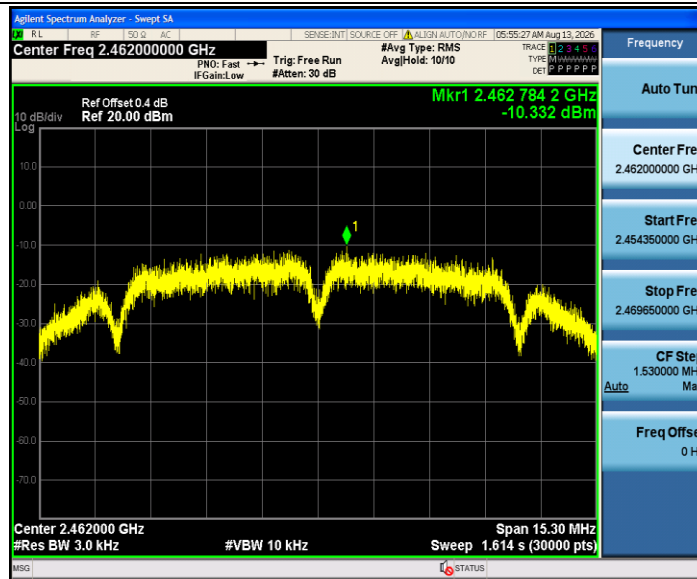
11B_Ant1_2412



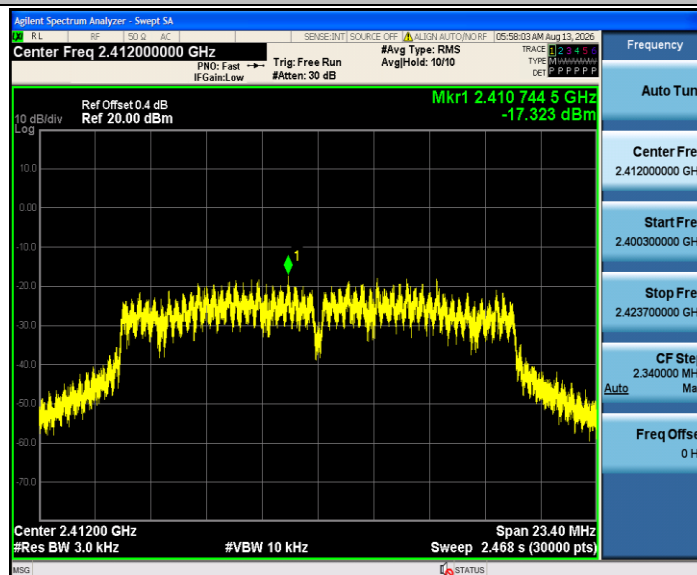
11B_Ant1_2437



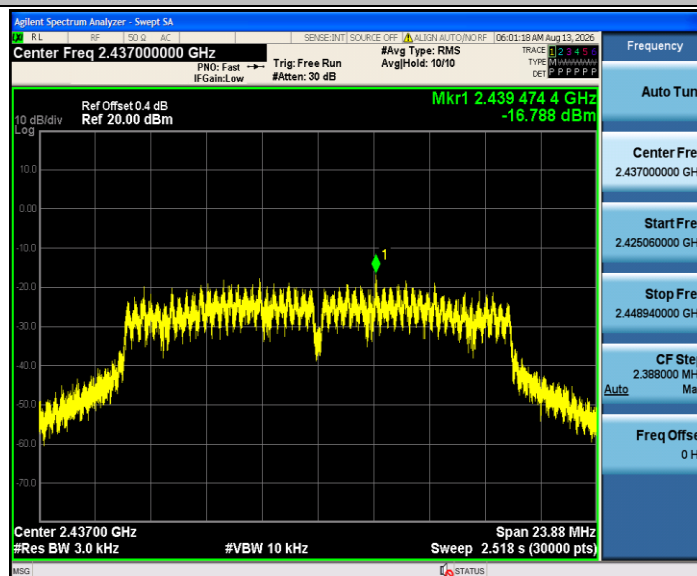
11B_Ant1_2462



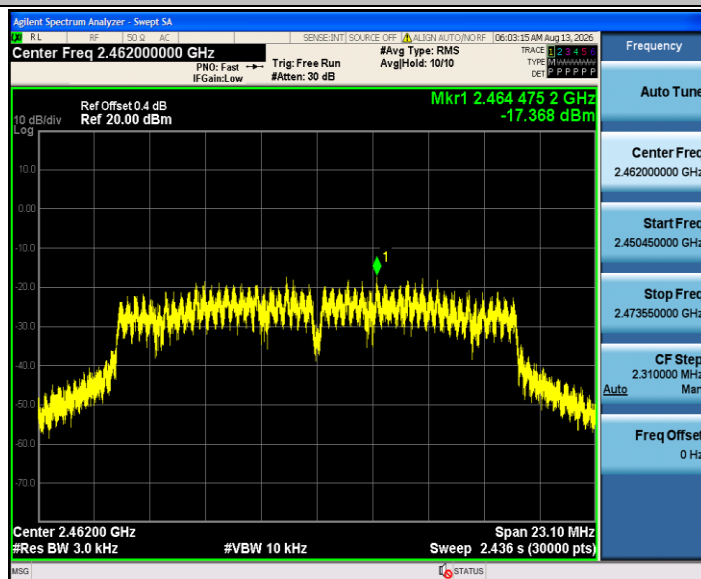
11G_Ant1_2412



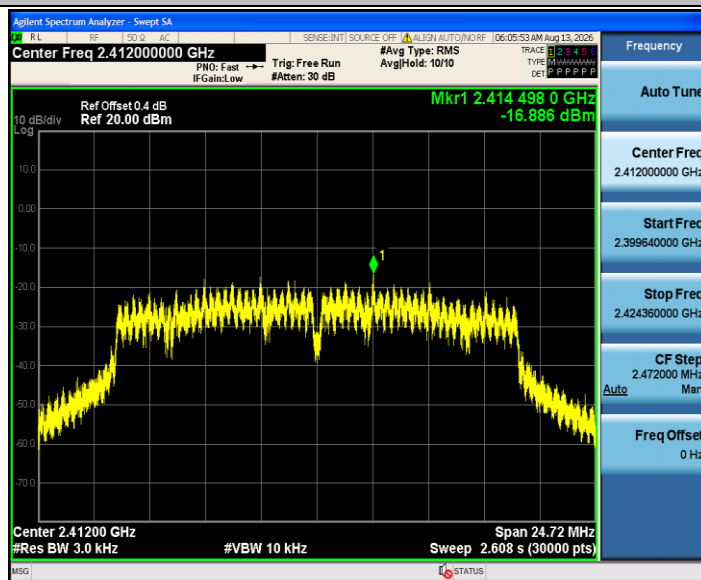
11G_Ant1_2437



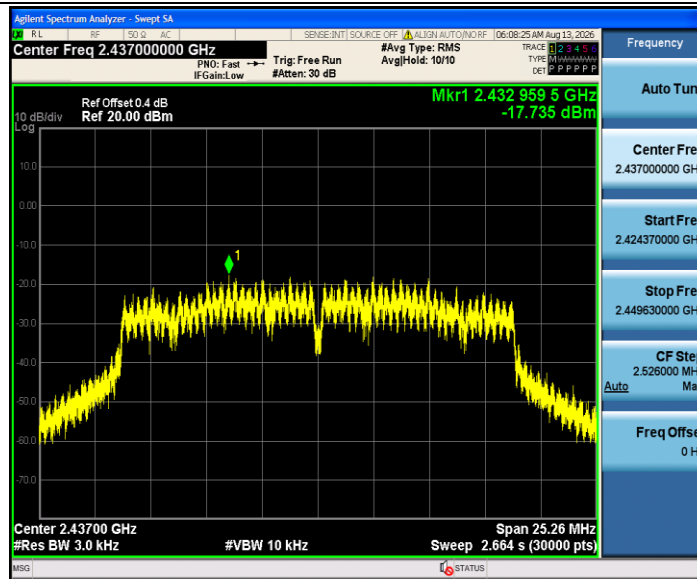
11G_Ant1_2462



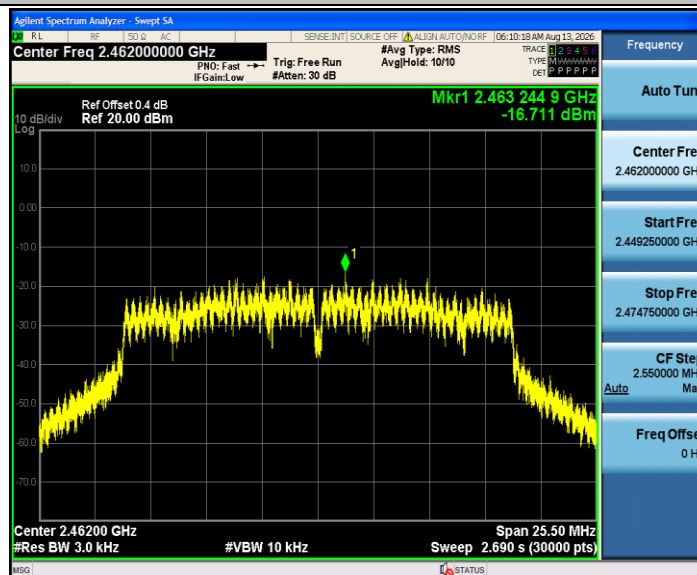
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



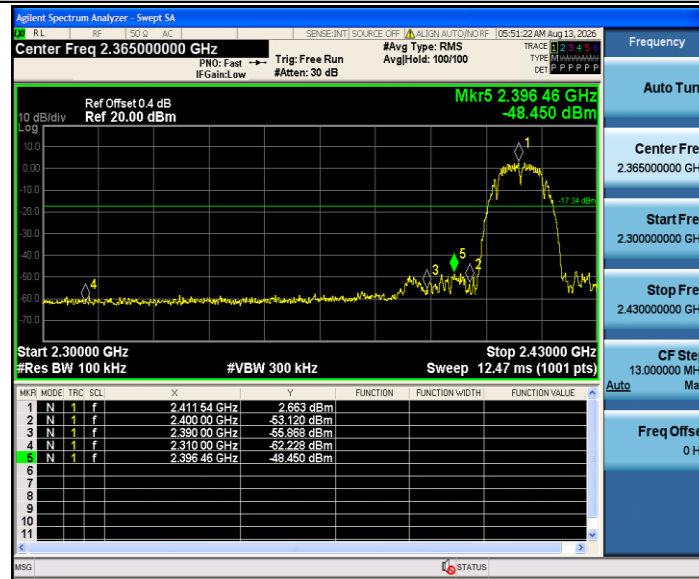
Appendix E: Band edge measurements

Test Result

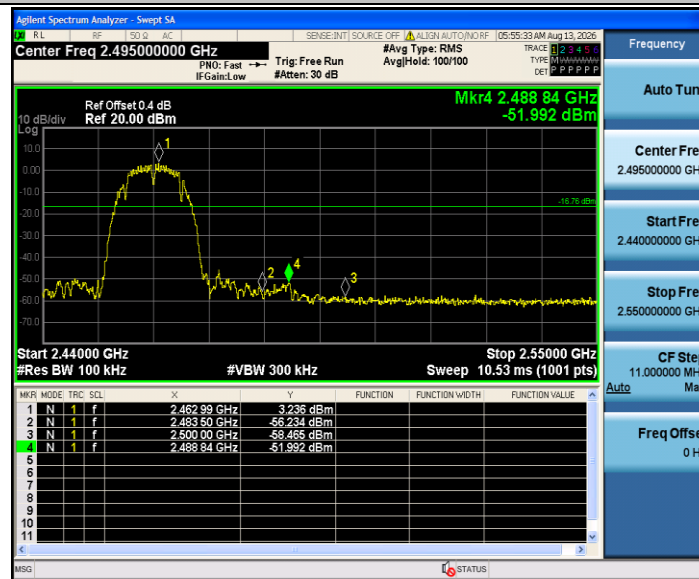
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.66	-48.45	≤ -17.34	PASS
		High	2462	3.24	-51.99	≤ -16.76	PASS
11G	Ant1	Low	2412	-2.79	-34.78	≤ -22.79	PASS
		High	2462	-2.04	-58.1	≤ -22.04	PASS
11N20SISO	Ant1	Low	2412	-2.72	-33.09	≤ -22.72	PASS
		High	2462	-2.07	-58.36	≤ -22.07	PASS

Test Graphs

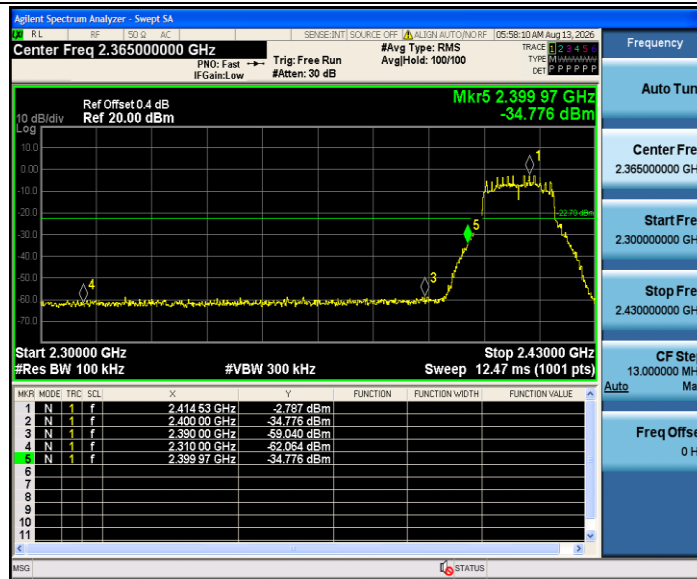
11B_Ant1_Low_2412



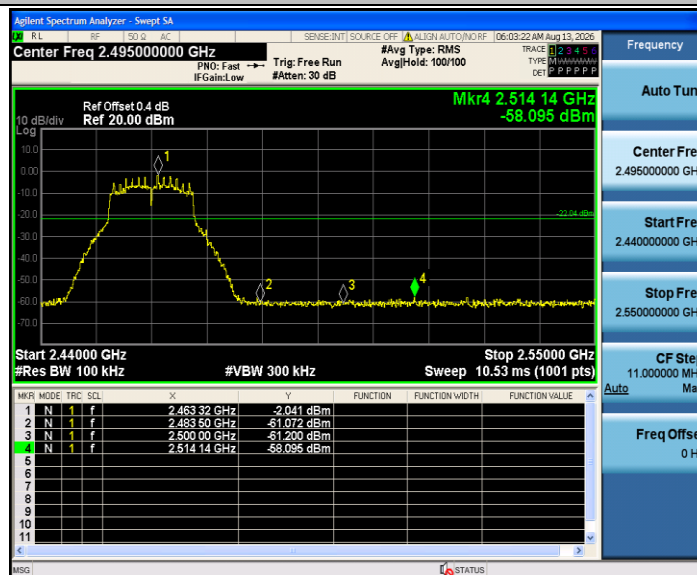
11B_Ant1_High_2462



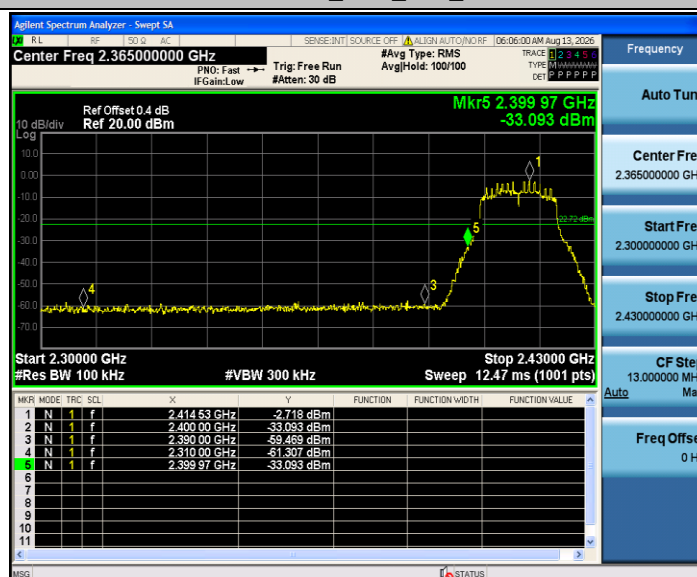
11G_Ant1_Low_2412



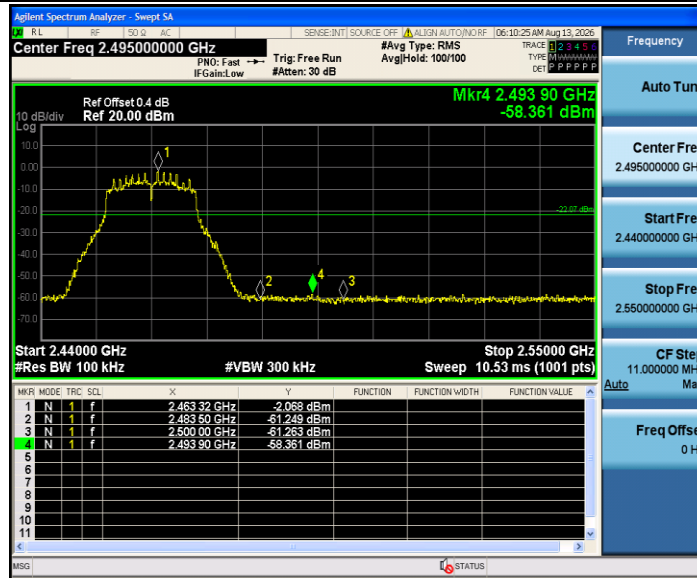
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

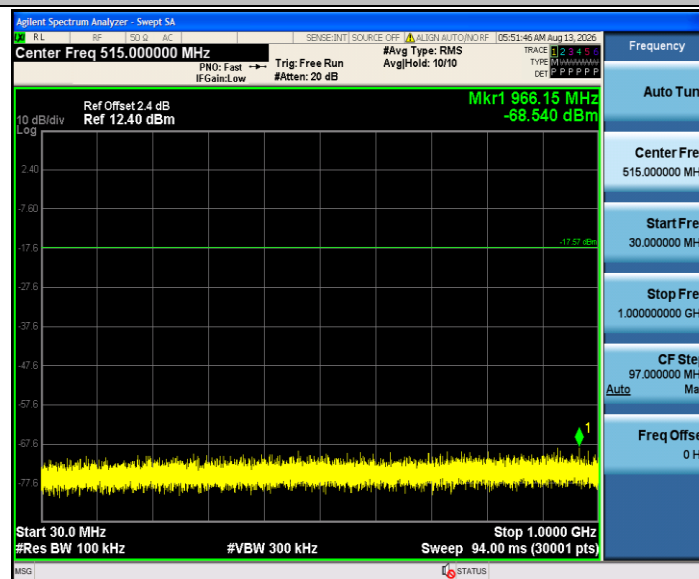
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.43	2.43	---	PASS
			30~1000	2.43	-68.54	≤-17.57	PASS
			1000~26500	2.43	-45.92	≤-17.57	PASS
		2437	Reference	2.43	2.43	---	PASS
			30~1000	2.43	-68.6	≤-17.57	PASS
			1000~26500	2.43	-46.85	≤-17.57	PASS
		2462	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-68.96	≤-18.09	PASS
			1000~26500	1.91	-45.96	≤-18.09	PASS
11G	Ant1	2412	Reference	-2.72	-2.72	---	PASS
			30~1000	-2.72	-69.12	≤-22.72	PASS
			1000~26500	-2.72	-46.78	≤-22.72	PASS
		2437	Reference	-3.04	-3.04	---	PASS
			30~1000	-3.04	-68.89	≤-23.04	PASS
			1000~26500	-3.04	-45.89	≤-23.04	PASS
		2462	Reference	-2.80	-2.80	---	PASS
			30~1000	-2.80	-68.38	≤-22.8	PASS
			1000~26500	-2.80	-46.81	≤-22.8	PASS
11N20SISO	Ant1	2412	Reference	-3.08	-3.08	---	PASS
			30~1000	-3.08	-69.1	≤-23.08	PASS
			1000~26500	-3.08	-46.11	≤-23.08	PASS
		2437	Reference	-3.08	-3.08	---	PASS
			30~1000	-3.08	-68.61	≤-23.08	PASS
			1000~26500	-3.08	-46.6	≤-23.08	PASS
		2462	Reference	-2.44	-2.44	---	PASS
			30~1000	-2.44	-68.84	≤-22.44	PASS
			1000~26500	-2.44	-46.79	≤-22.44	PASS

Test Graphs

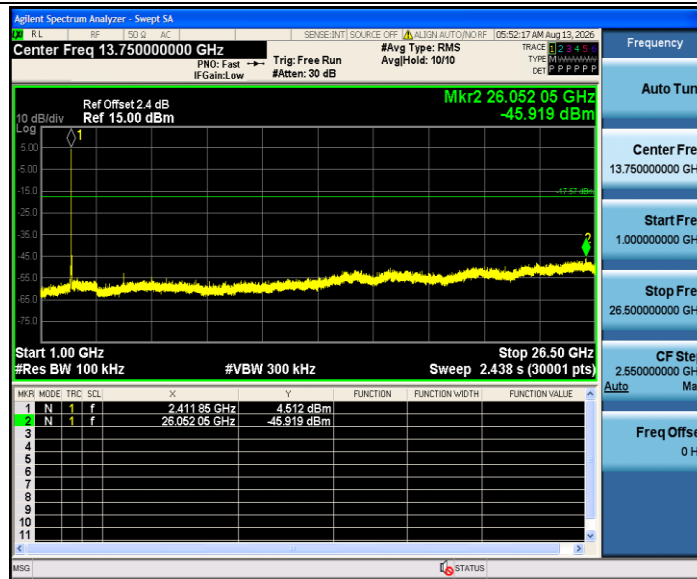
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



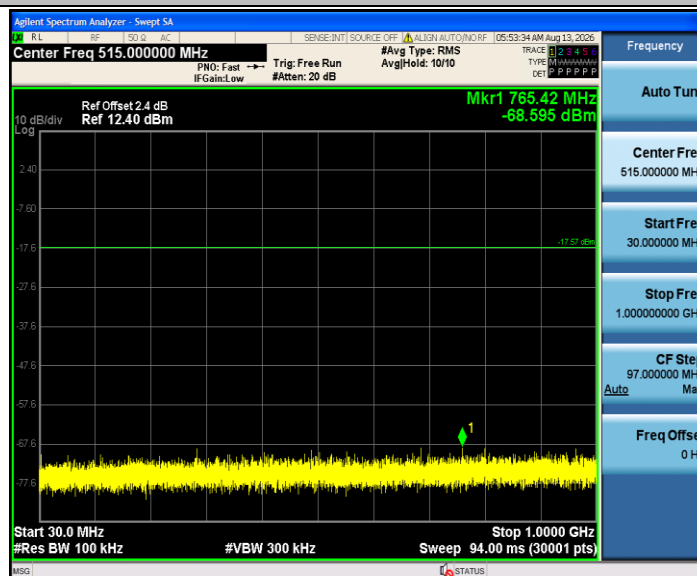
11B_Ant1_2412_1000~26500



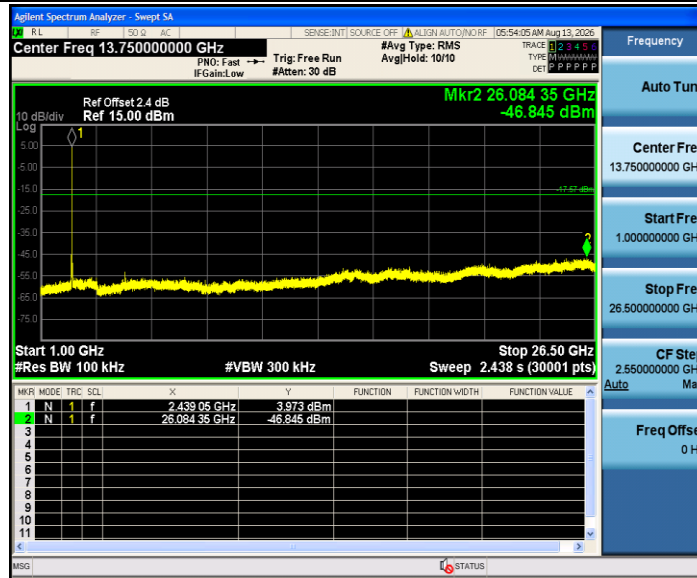
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



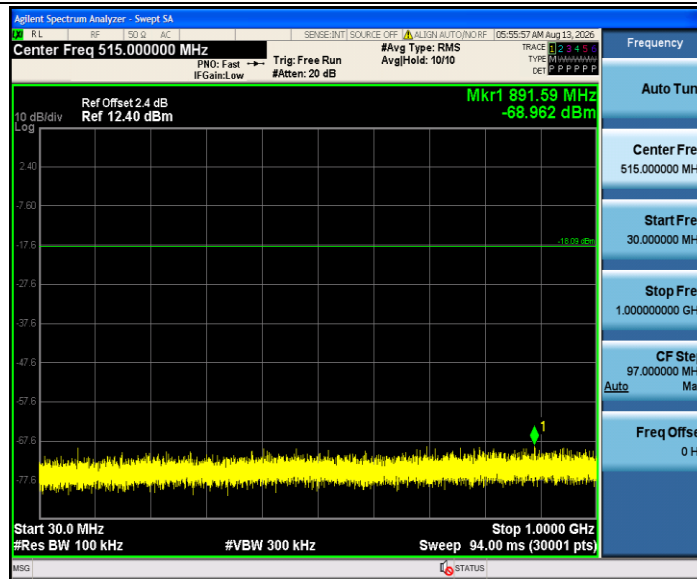
11B_Ant1_2437_1000~26500



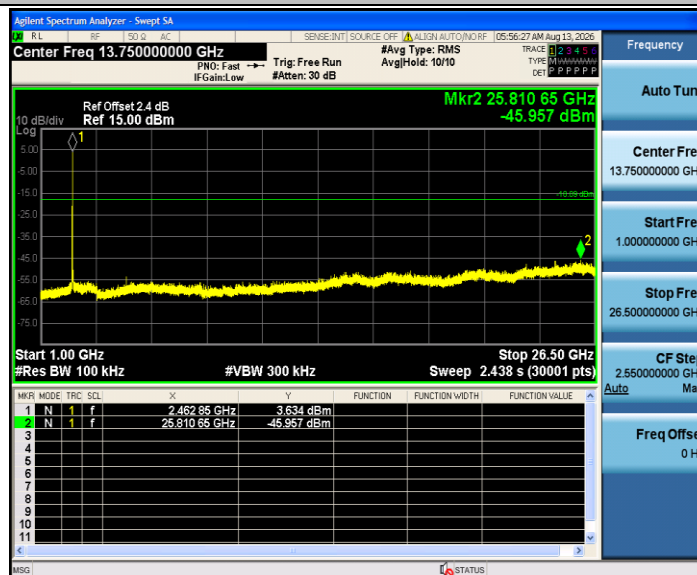
11B_Ant1_2462_0~Reference



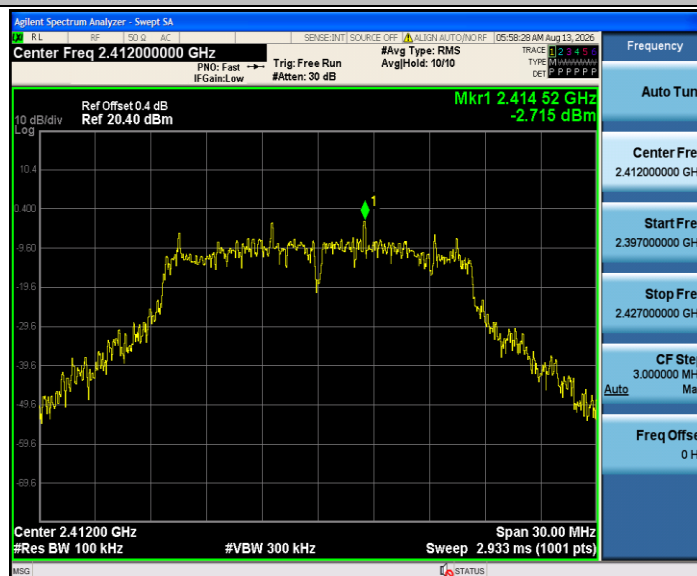
11B_Ant1_2462_30~1000



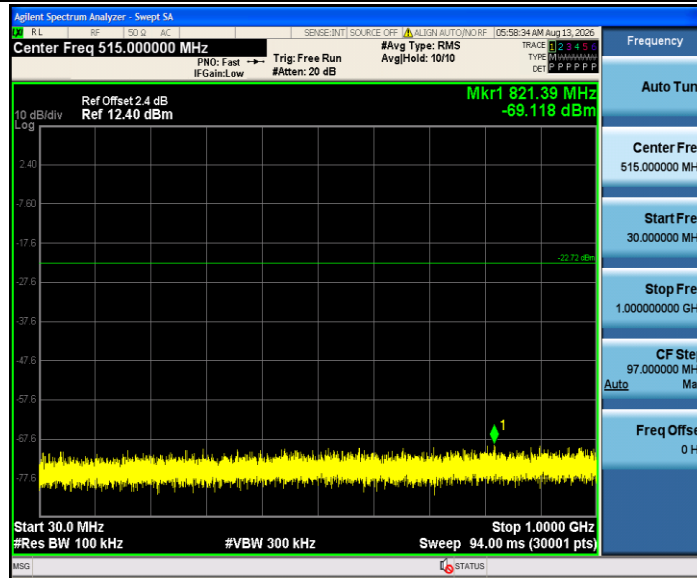
11B_Ant1_2462_1000~26500



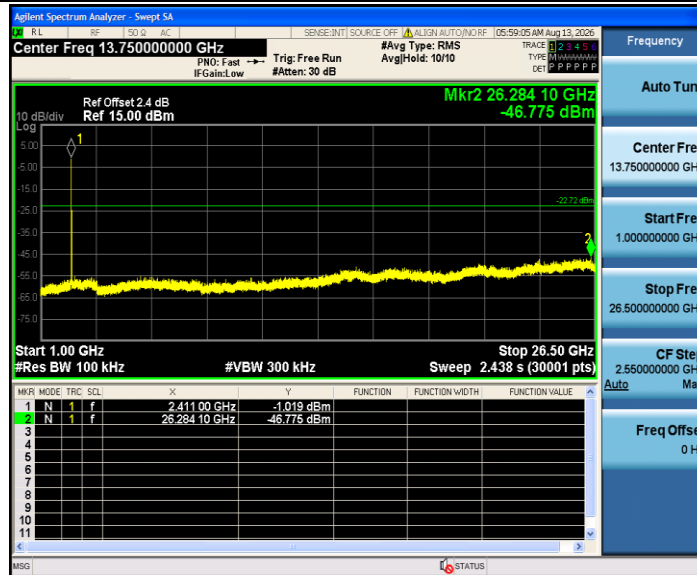
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



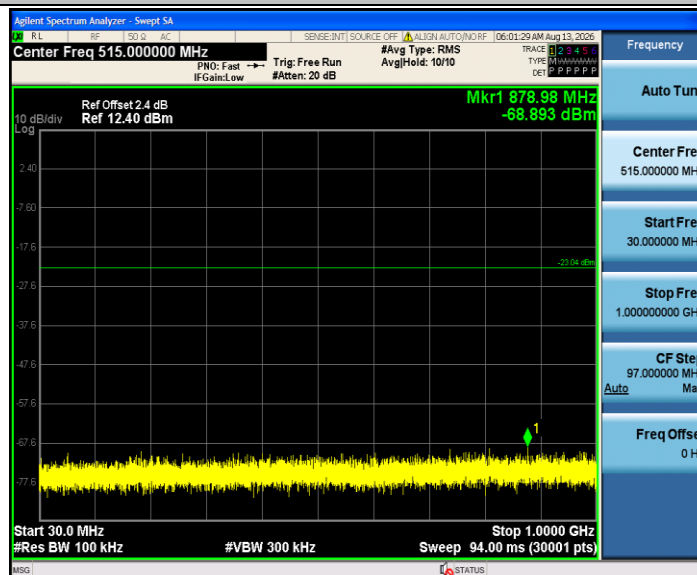
11G_Ant1_2412_1000~26500



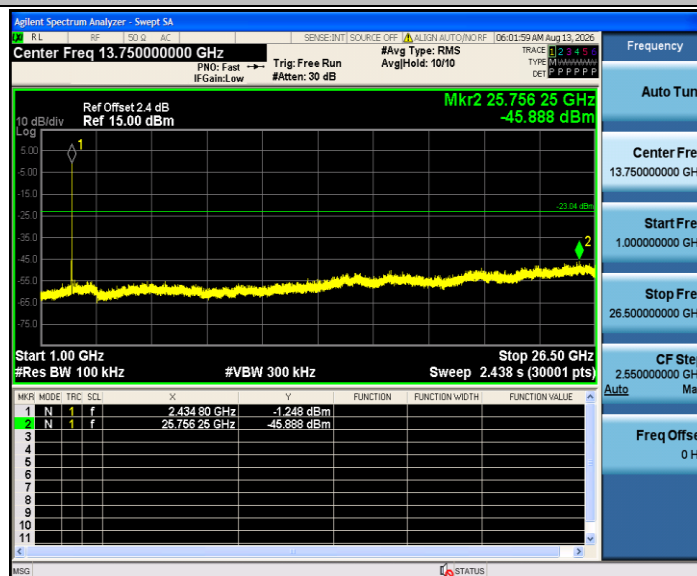
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



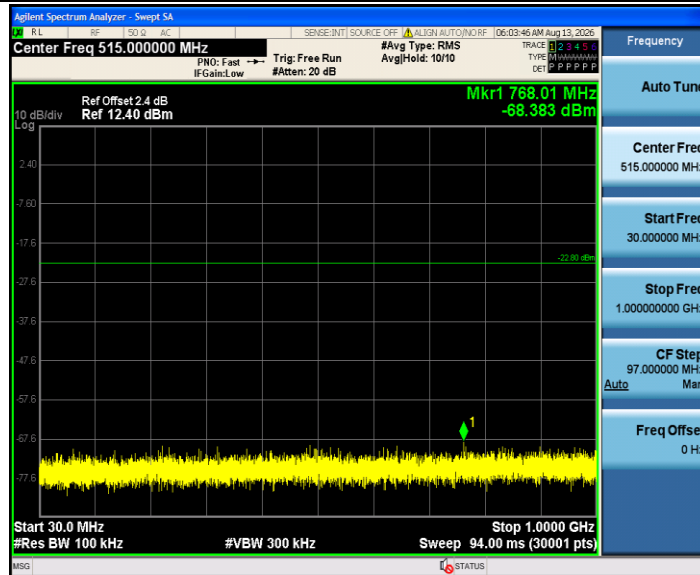
11G_Ant1_2437_1000~26500



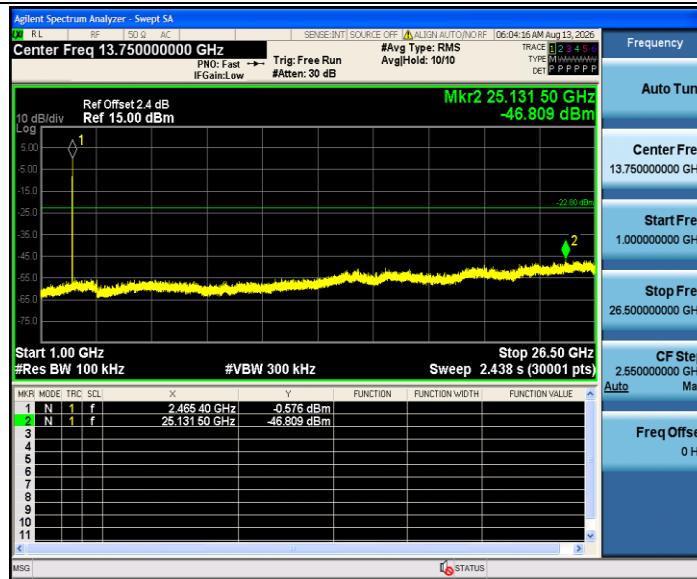
11G_Ant1_2462_0~Reference



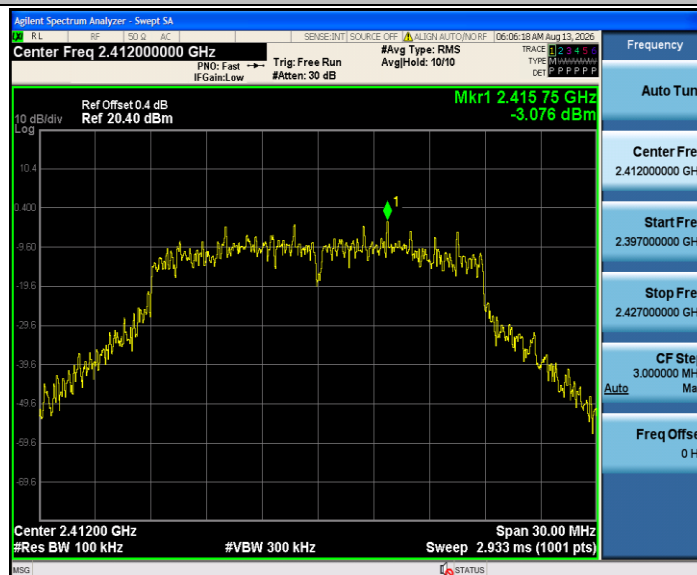
11G_Ant1_2462_30~1000



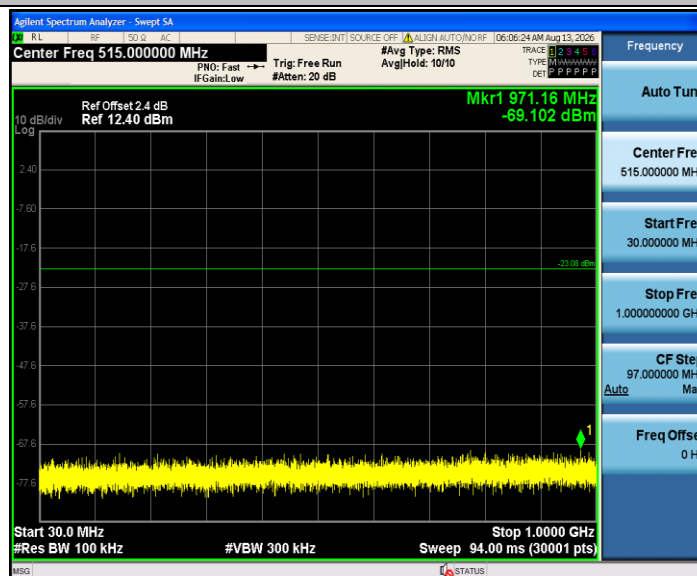
11G_Ant1_2462_1000~26500



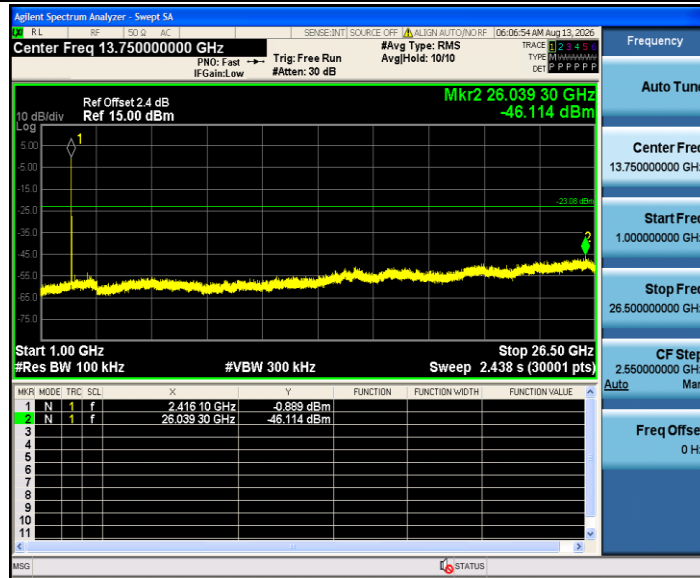
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



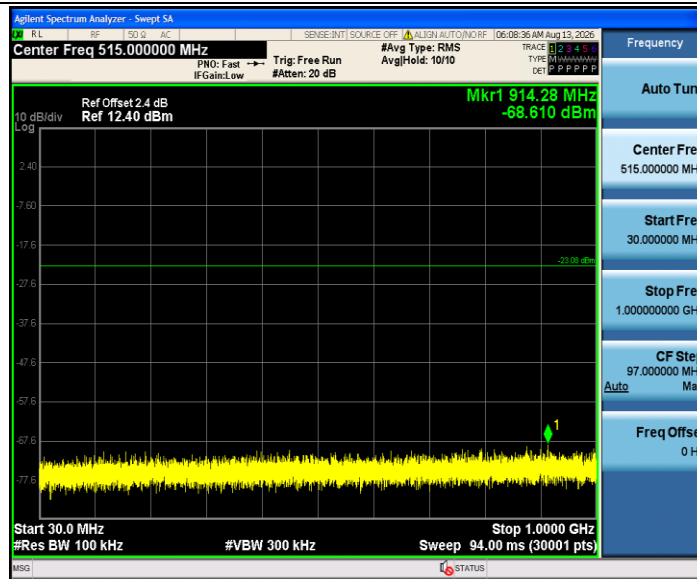
11N20SISO_Ant1_2412_1000~26500



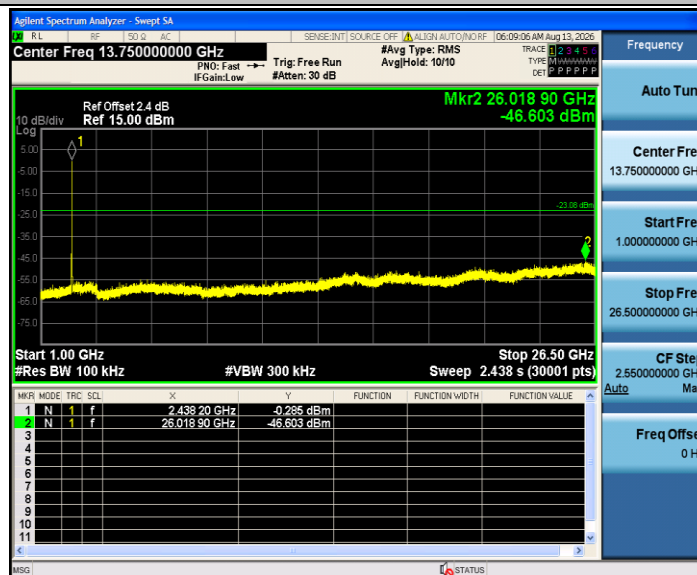
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference

