

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BDCB-P5000PLUS

Company : Shenzhen Yunji New Energy Technology Co., Ltd

EUT : Portable power station

Model Number : P5000PLUS

Report No. : CTA26071103202

Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

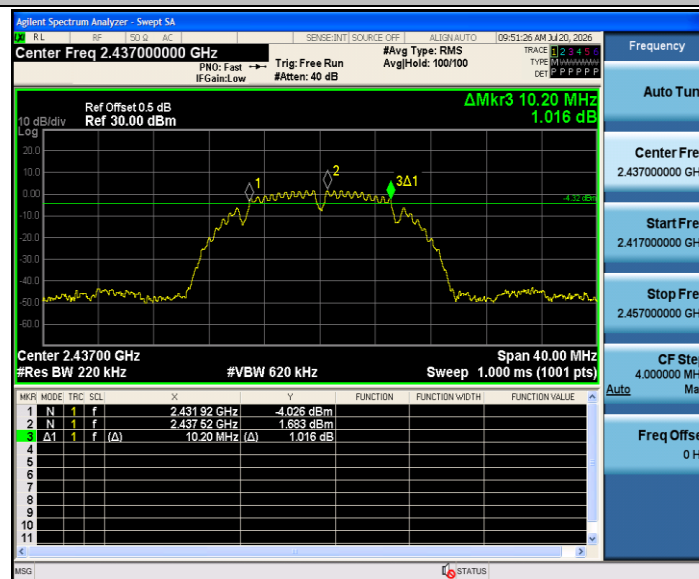
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.200	2406.920	2417.120	0.5	PASS
		2437	10.200	2431.920	2442.120	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.400	2404.440	2419.840	0.5	PASS
		2437	15.760	2429.240	2445.000	0.5	PASS
		2462	15.840	2454.000	2469.840	0.5	PASS
11N20SISO	Ant1	2412	16.560	2403.480	2420.040	0.5	PASS
		2437	16.800	2428.640	2445.440	0.5	PASS
		2462	16.520	2454.040	2470.560	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



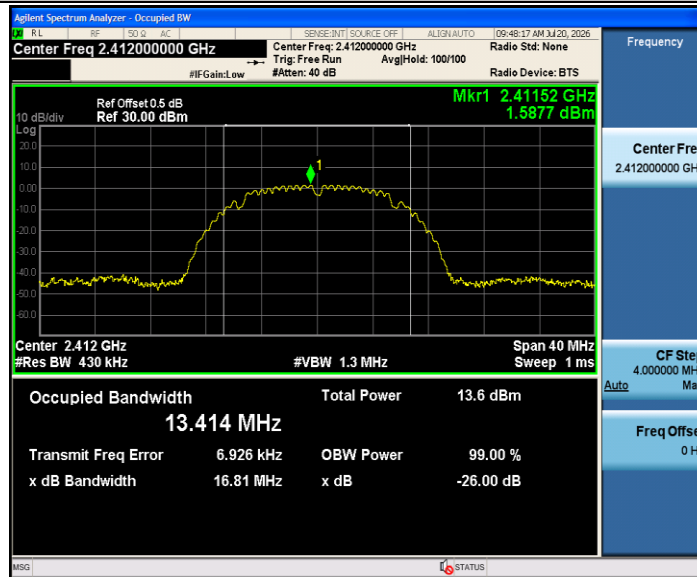
Appendix B: Occupied Channel Bandwidth

Test Result

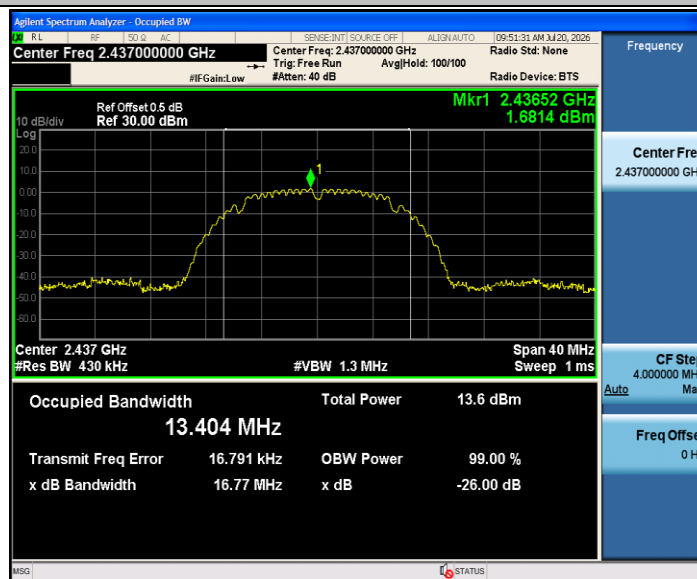
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.414	2405.2999	2418.7139	---	---
		2437	13.404	2430.3148	2443.7188	---	---
		2462	13.417	2455.3160	2468.7330	---	---
11G	Ant1	2412	16.847	2403.5964	2420.4434	---	---
		2437	16.832	2428.6601	2445.4921	---	---
		2462	16.827	2453.6265	2470.4535	---	---
11N20SISO	Ant1	2412	17.906	2403.0405	2420.9465	---	---
		2437	17.864	2428.0980	2445.9620	---	---
		2462	17.861	2453.1072	2470.9682	---	---

Test Graphs

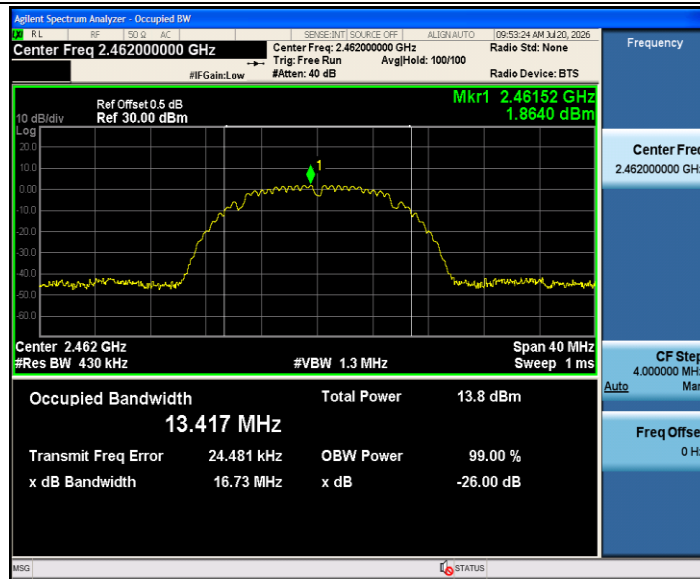
11B_Ant1_2412



11B_Ant1_2437



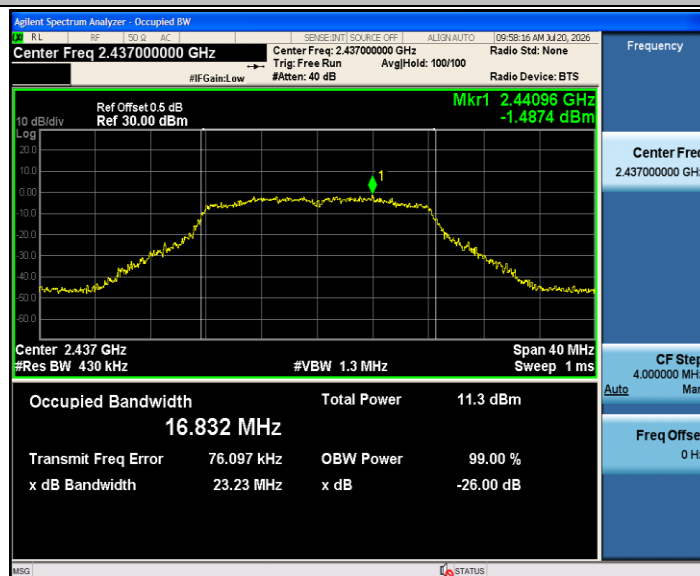
11B_Ant1_2462



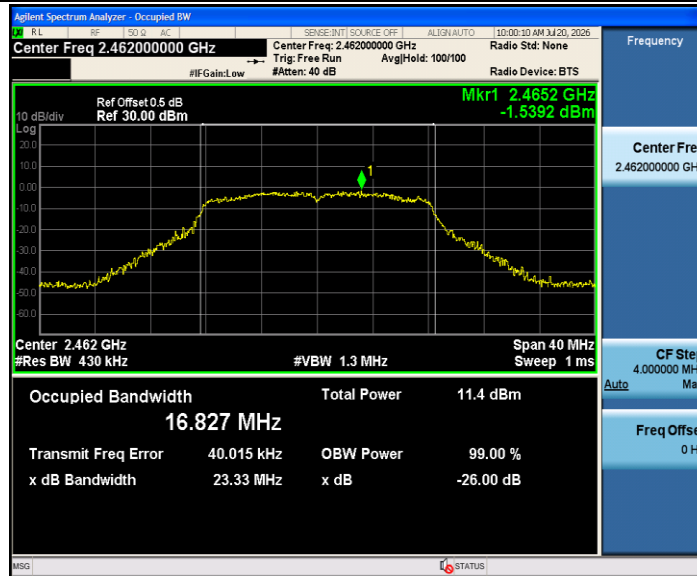
11G_Ant1_2412



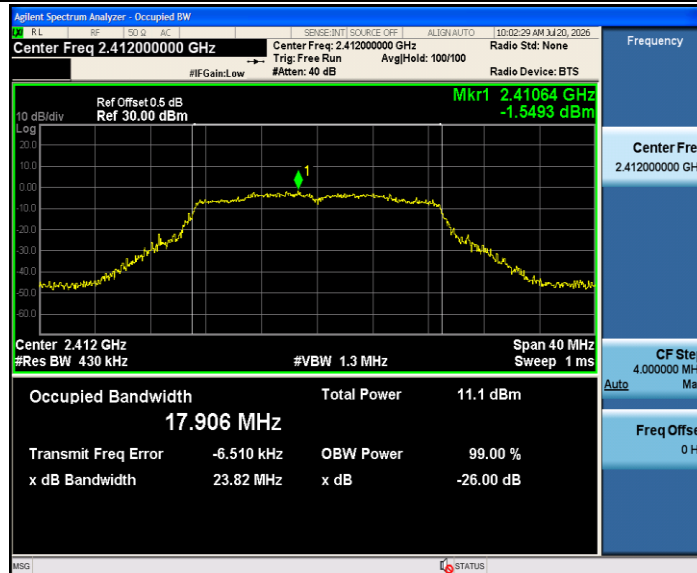
11G_Ant1_2437



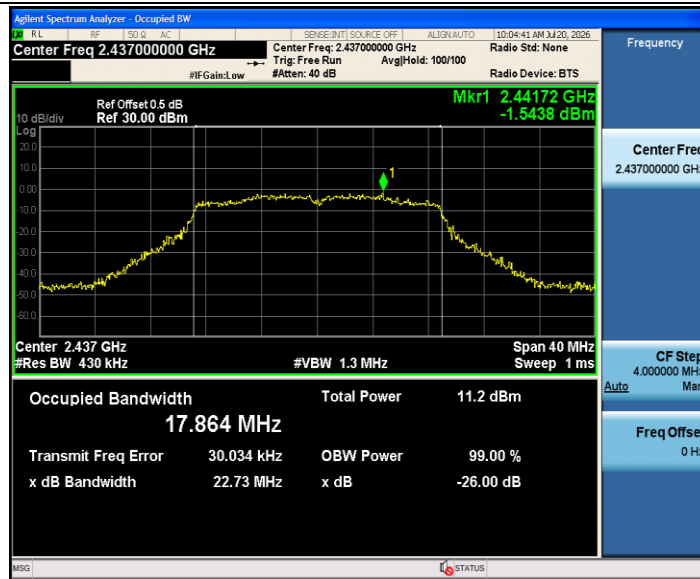
11G_Ant1_2462



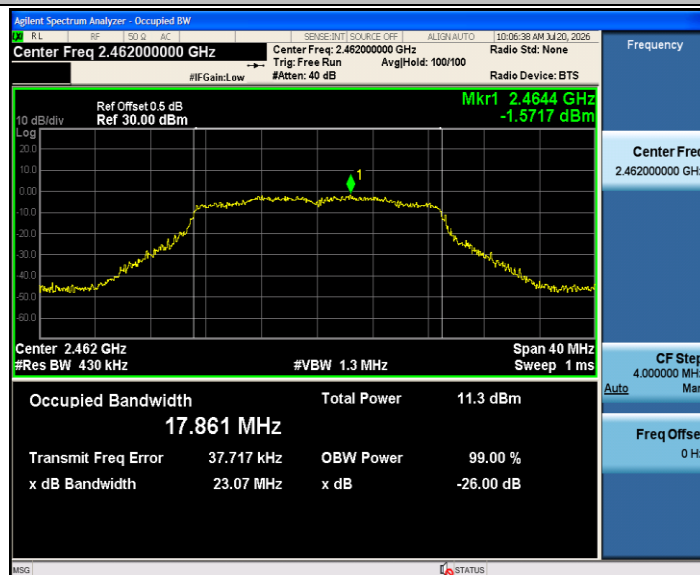
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.27	≤30.00	PASS
		2437	13.35	≤30.00	PASS
		2462	13.52	≤30.00	PASS
11G	Ant1	2412	11.90	≤30.00	PASS
		2437	12.16	≤30.00	PASS
		2462	12.35	≤30.00	PASS
11N20SISO	Ant1	2412	11.88	≤30.00	PASS
		2437	12.00	≤30.00	PASS
		2462	12.21	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

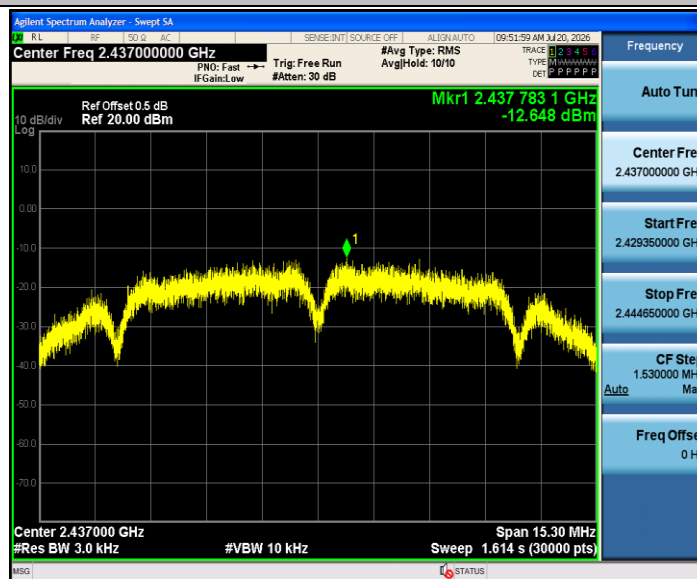
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.96	≤8.00	PASS
		2437	-12.65	≤8.00	PASS
		2462	-12.52	≤8.00	PASS
11G	Ant1	2412	-19.23	≤8.00	PASS
		2437	-19.23	≤8.00	PASS
		2462	-19.18	≤8.00	PASS
11N20SISO	Ant1	2412	-19.41	≤8.00	PASS
		2437	-18.40	≤8.00	PASS
		2462	-19.28	≤8.00	PASS

Test Graphs

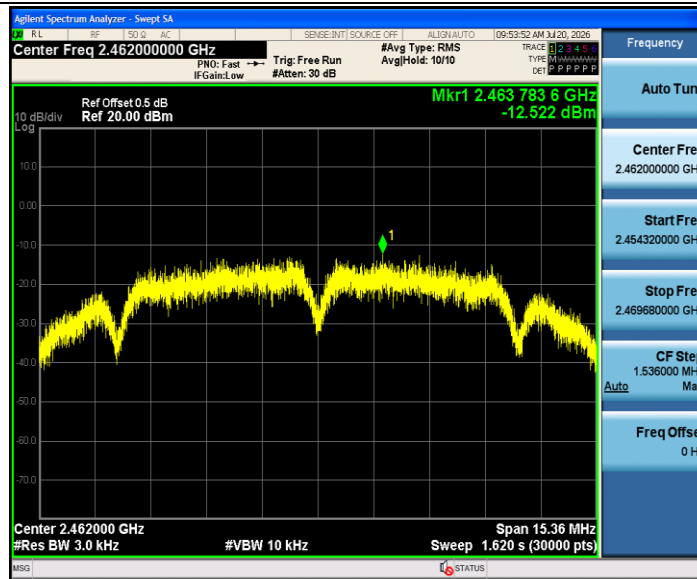
11B_Ant1_2412



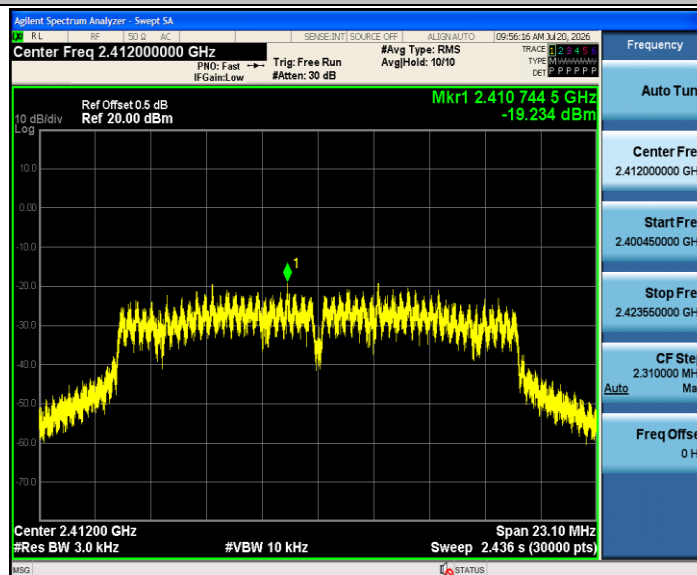
11B_Ant1_2437



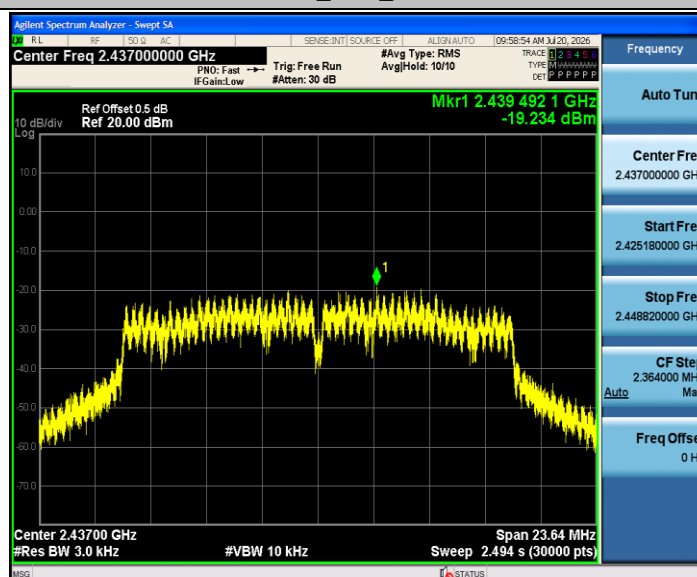
11B_Ant1_2462



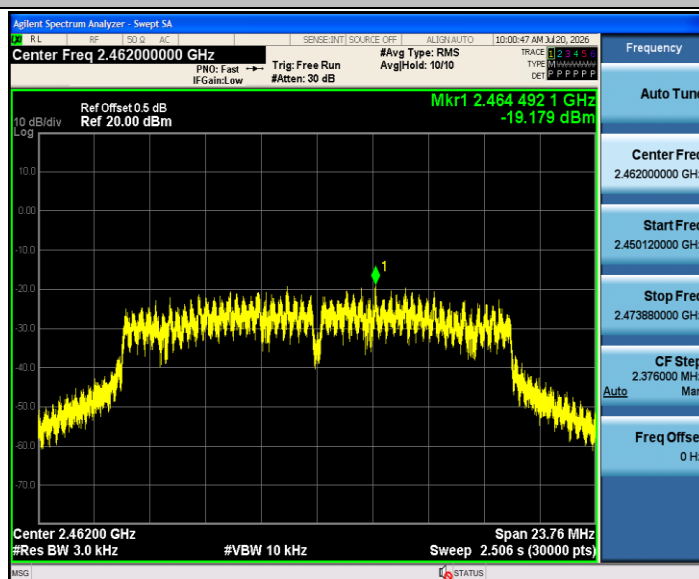
11G_Ant1_2412



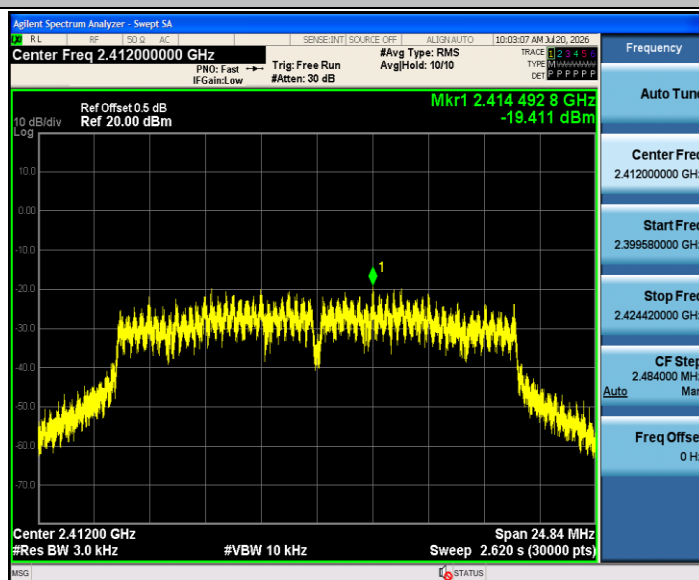
11G_Ant1_2437



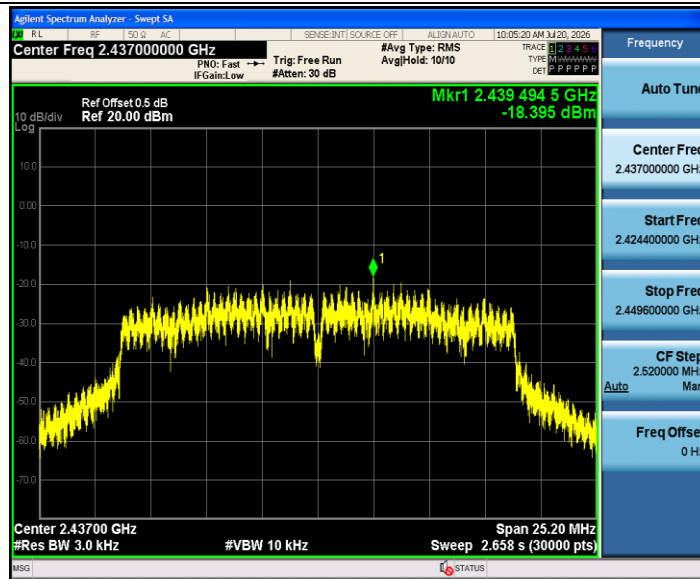
11G_Ant1_2462



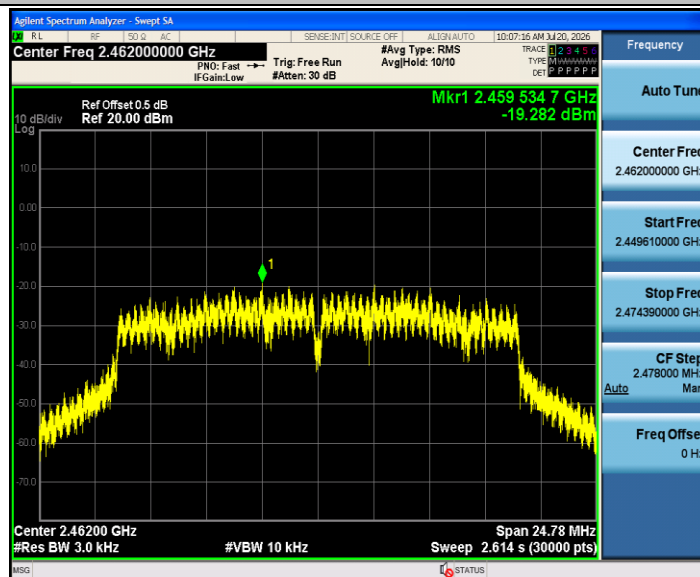
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



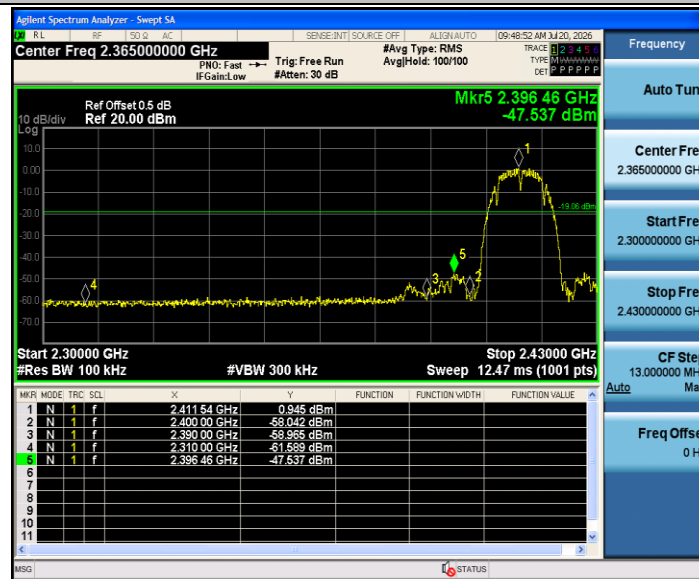
Appendix E: Band edge measurements

Test Result

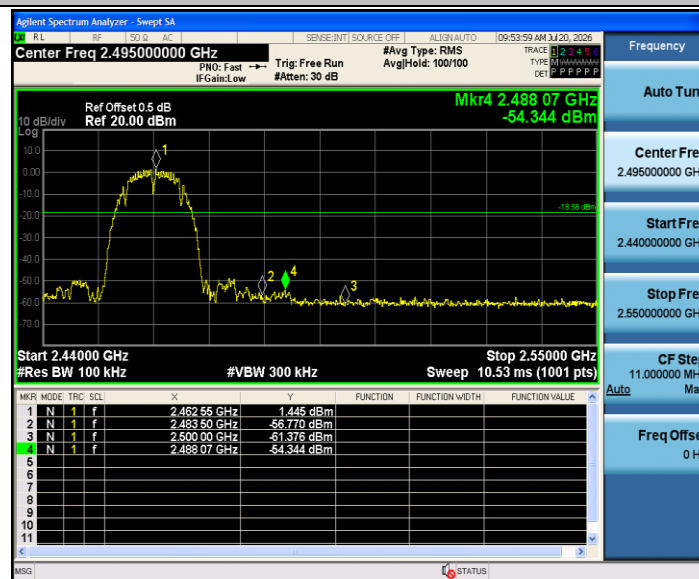
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.95	-47.54	≤-19.06	PASS
		High	2462	1.45	-54.34	≤-18.56	PASS
11G	Ant1	Low	2412	-4.78	-35.14	≤-24.78	PASS
		High	2462	-3.98	-58.11	≤-23.98	PASS
11N20SISO	Ant1	Low	2412	-4.35	-36.19	≤-24.35	PASS
		High	2462	-4.22	-57.79	≤-24.22	PASS

Test Graphs

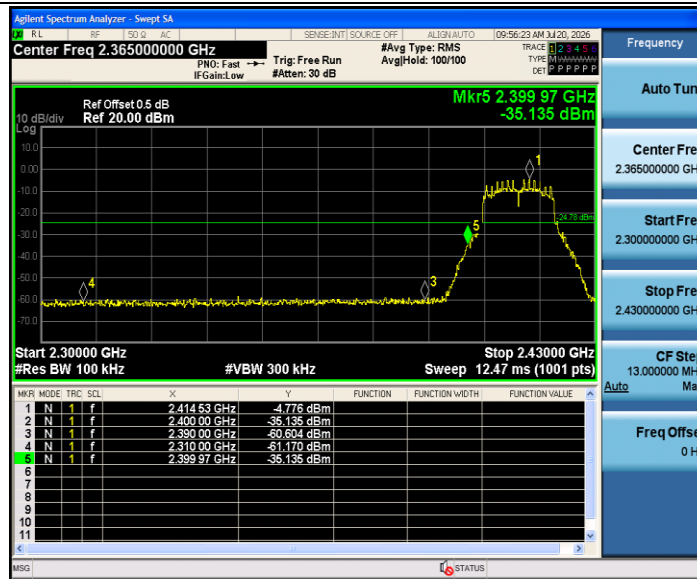
11B_Ant1_Low_2412



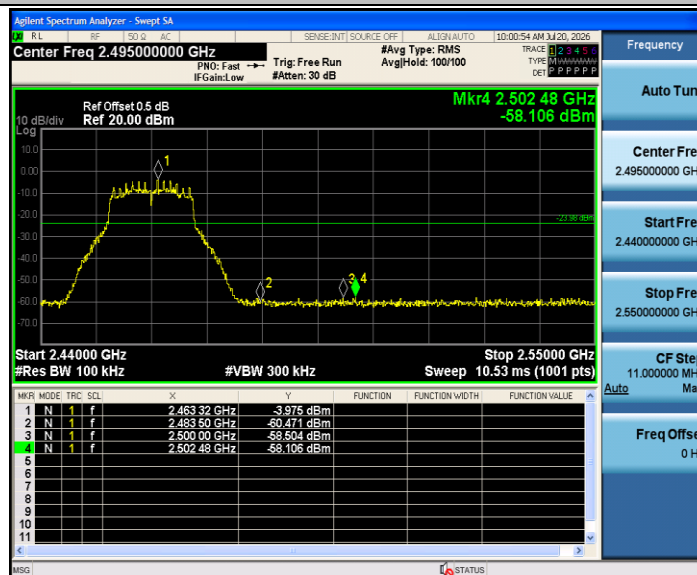
11B_Ant1_High_2462



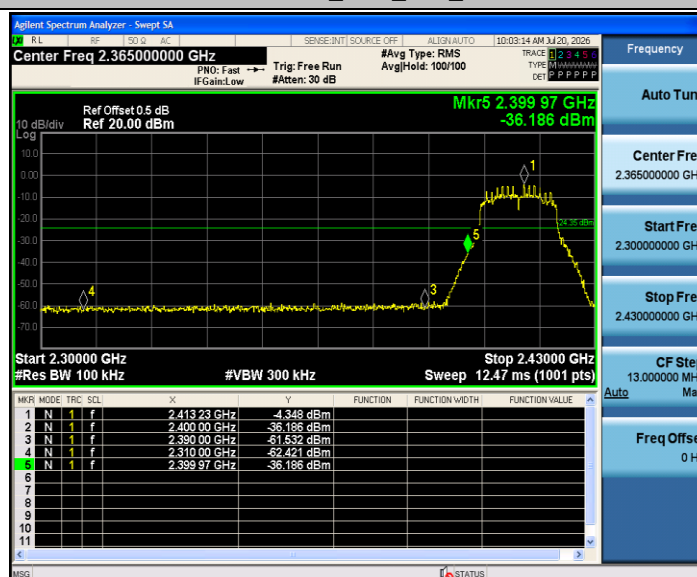
11G_Ant1_Low_2412



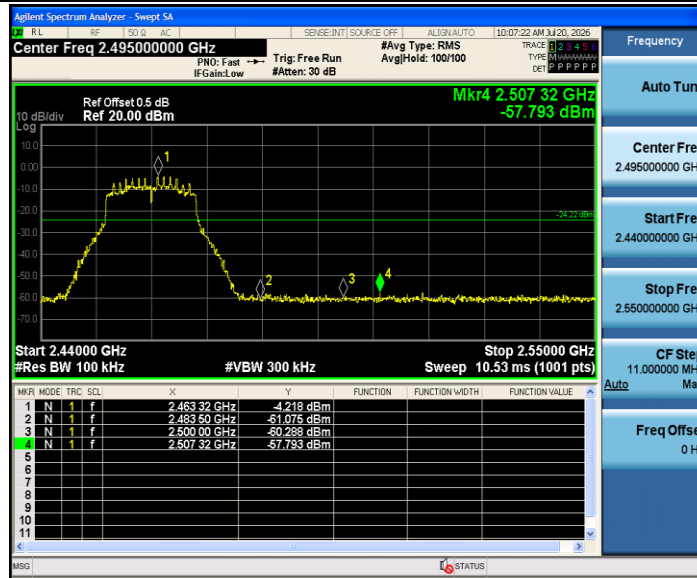
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

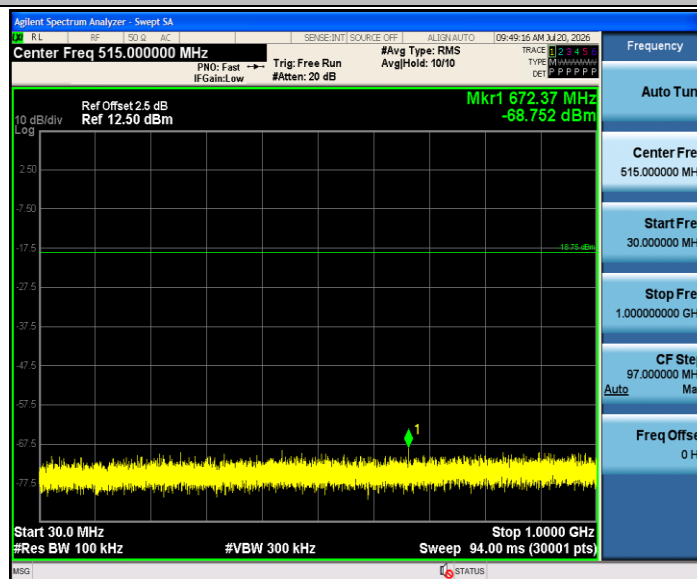
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.25	1.25	---	PASS
			30~1000	1.25	-68.75	≤-18.75	PASS
			1000~26500	1.25	-46.32	≤-18.75	PASS
		2437	Reference	1.35	1.35	---	PASS
			30~1000	1.35	-68.79	≤-18.65	PASS
			1000~26500	1.35	-46.94	≤-18.65	PASS
		2462	Reference	0.94	0.94	---	PASS
			30~1000	0.94	-68.32	≤-19.06	PASS
			1000~26500	0.94	-46.32	≤-19.06	PASS
11G	Ant1	2412	Reference	-5.77	-5.77	---	PASS
			30~1000	-5.77	-68.47	≤-25.77	PASS
			1000~26500	-5.77	-46.72	≤-25.77	PASS
		2437	Reference	-4.79	-4.79	---	PASS
			30~1000	-4.79	-68.51	≤-24.79	PASS
			1000~26500	-4.79	-46.8	≤-24.79	PASS
		2462	Reference	-4.60	-4.60	---	PASS
			30~1000	-4.60	-68.4	≤-24.6	PASS
			1000~26500	-4.60	-45.47	≤-24.6	PASS
11N20SISO	Ant1	2412	Reference	-4.44	-4.44	---	PASS
			30~1000	-4.44	-67.96	≤-24.44	PASS
			1000~26500	-4.44	-46.24	≤-24.44	PASS
		2437	Reference	-4.52	-4.52	---	PASS
			30~1000	-4.52	-68.84	≤-24.52	PASS
			1000~26500	-4.52	-46.94	≤-24.52	PASS
		2462	Reference	-4.54	-4.54	---	PASS
			30~1000	-4.54	-68.78	≤-24.54	PASS
			1000~26500	-4.54	-46.13	≤-24.54	PASS

Test Graphs

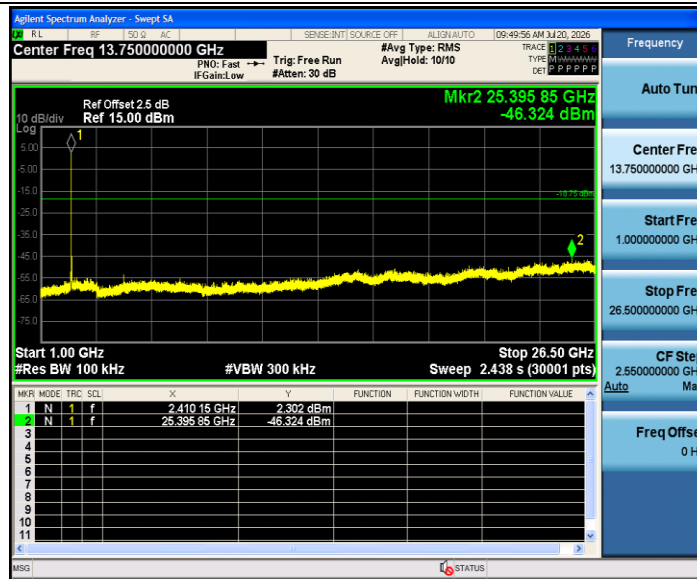
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



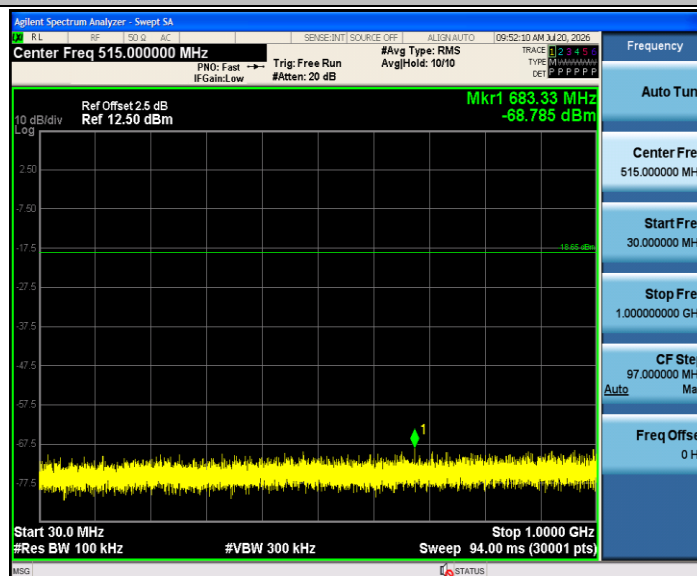
11B_Ant1_2412_1000~26500



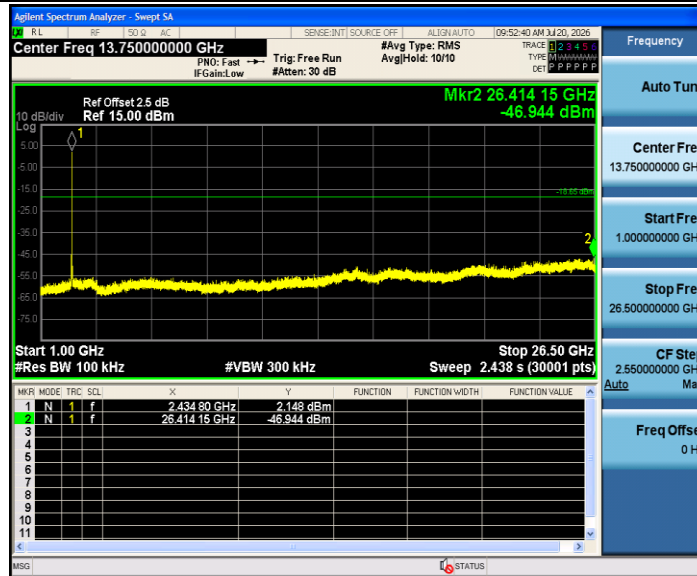
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



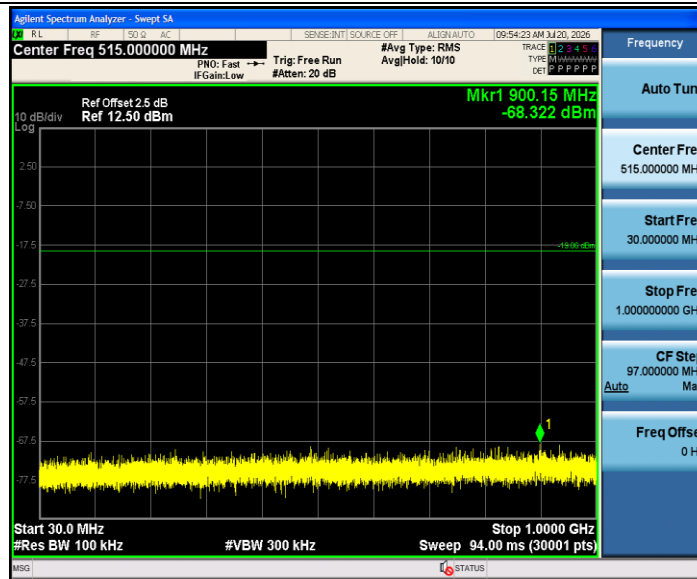
11B_Ant1_2437_1000~26500



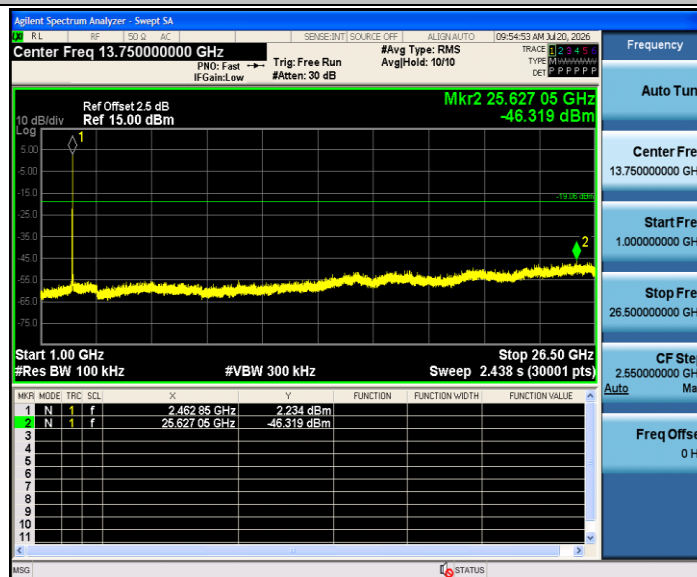
11B_Ant1_2462_0~Reference



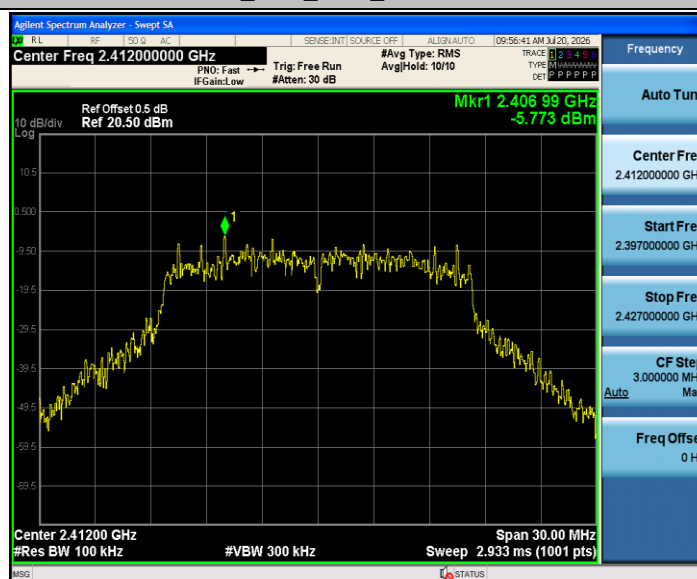
11B_Ant1_2462_30~1000



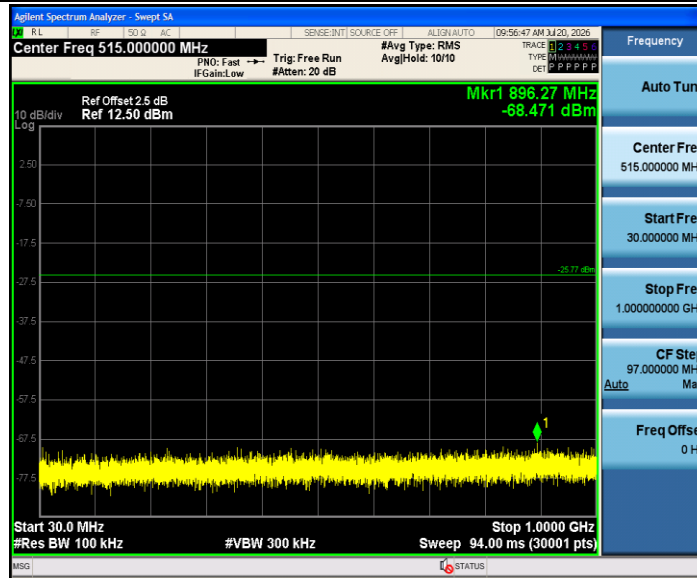
11B_Ant1_2462_1000~26500



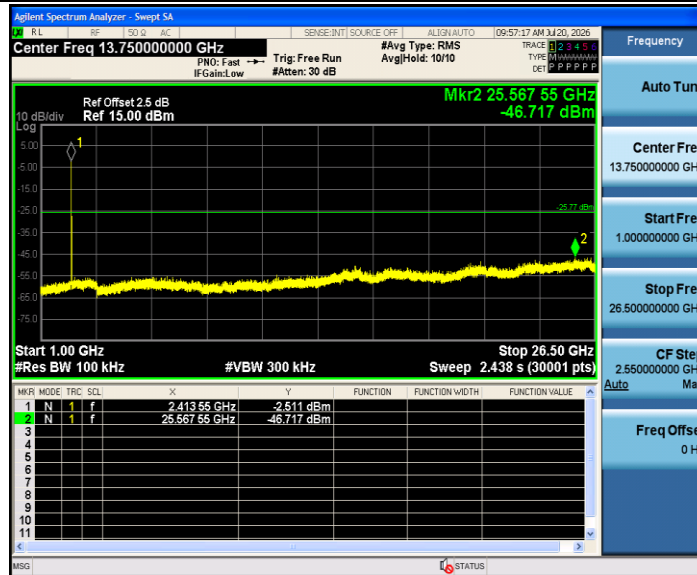
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



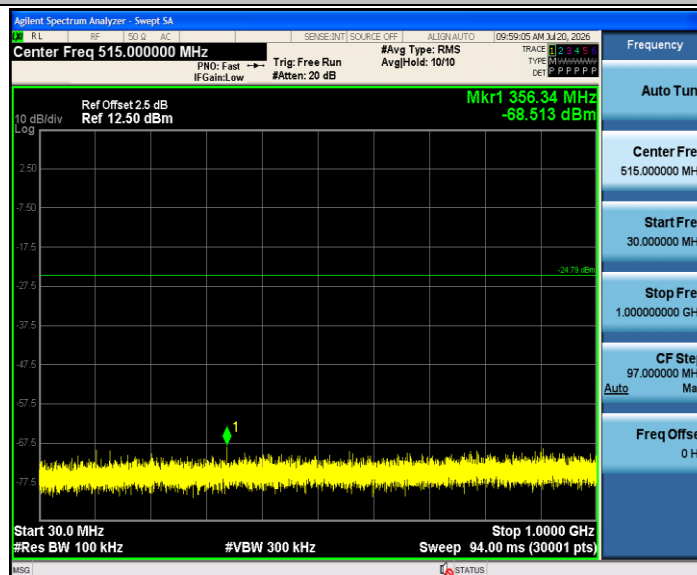
11G_Ant1_2412_1000~26500



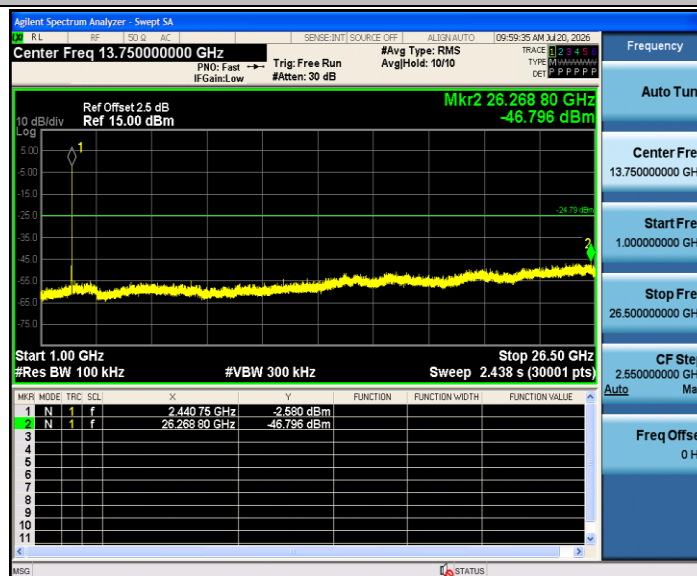
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



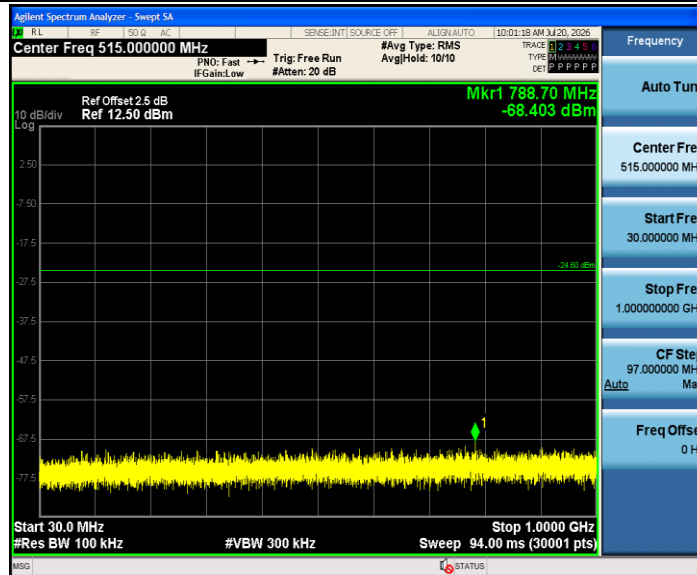
11G_Ant1_2437_1000~26500



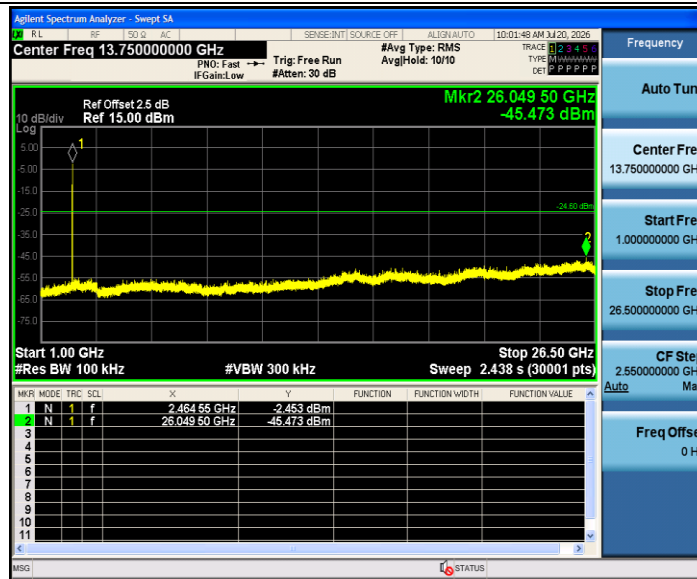
11G_Ant1_2462_0~Reference



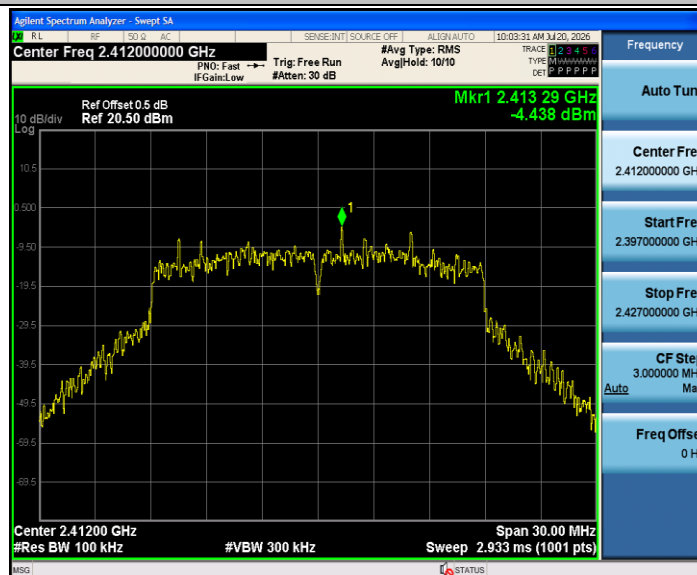
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

