

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BW3U-MH017-2

Company : MYPLAYER LTD

EUT : MY SOUND USB 2

Model Number : MH017-2

Report No. : CTA26072901303

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	15.440	2404.280	2419.720	0.5	PASS
		2437	15.560	2429.120	2444.680	0.5	PASS
		2462	15.920	2454.080	2470.000	0.5	PASS
11N20SISO	Ant1	2412	15.600	2404.080	2419.680	0.5	PASS
		2437	16.520	2428.480	2445.000	0.5	PASS
		2462	16.680	2453.760	2470.440	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.720	2439.840	0.5	PASS
		2437	33.760	2421.240	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



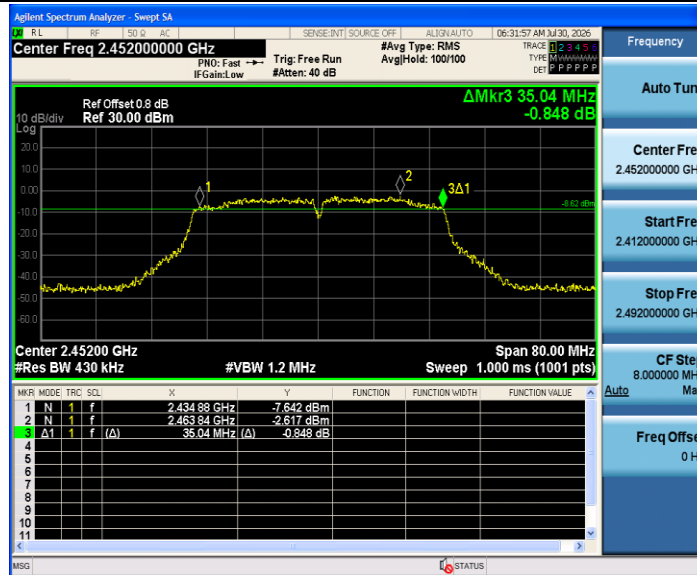
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



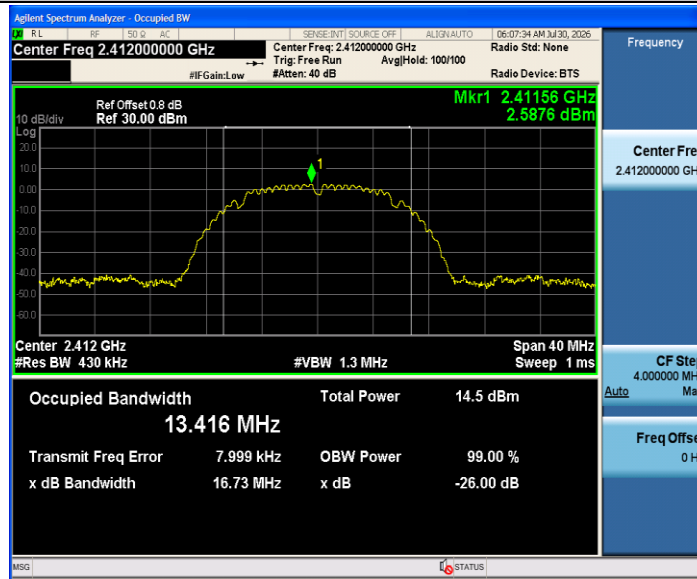
Appendix B: Occupied Channel Bandwidth

Test Result

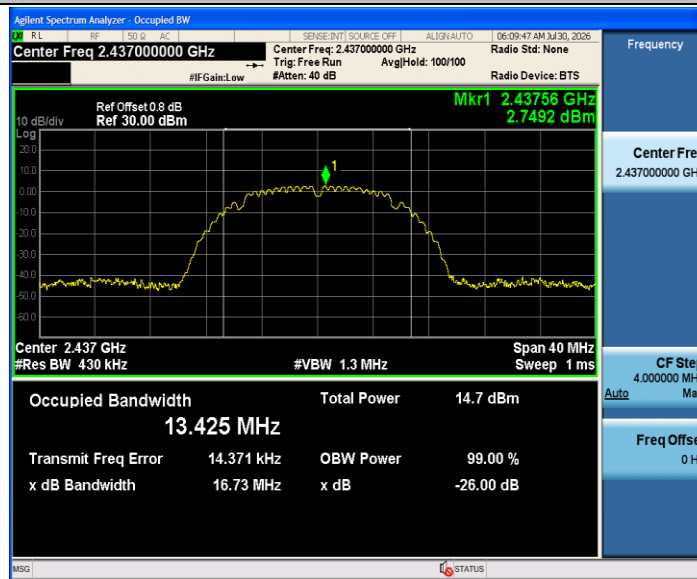
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.416	2405.3000	2418.7160	---	---
		2437	13.425	2430.3019	2443.7269	---	---
		2462	13.421	2455.3104	2468.7314	---	---
11G	Ant1	2412	16.871	2403.5569	2420.4279	---	---
		2437	16.823	2428.6674	2445.4904	---	---
		2462	16.913	2453.5966	2470.5096	---	---
11N20SISO	Ant1	2412	17.880	2403.0390	2420.9190	---	---
		2437	17.863	2428.0725	2445.9355	---	---
		2462	17.889	2453.0748	2470.9638	---	---
11N40SISO	Ant1	2422	36.047	2404.1241	2440.1711	---	---
		2437	36.049	2419.1369	2455.1859	---	---
		2452	36.012	2434.1386	2470.1506	---	---

Test Graphs

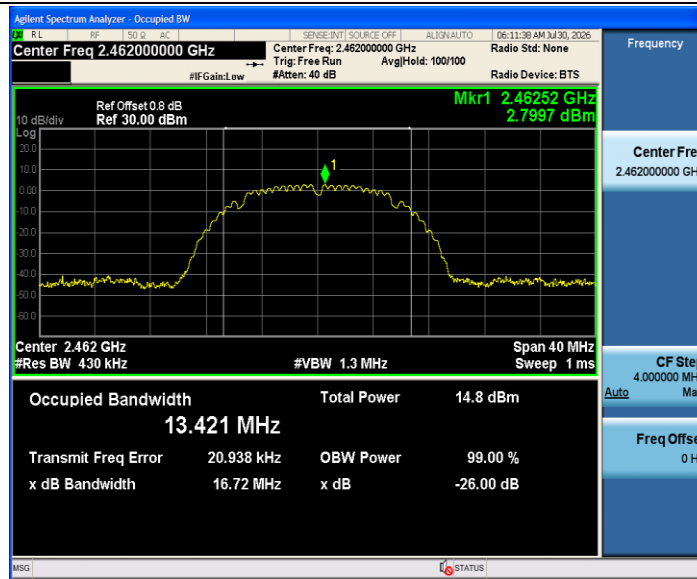
11B_Ant1_2412



11B_Ant1_2437



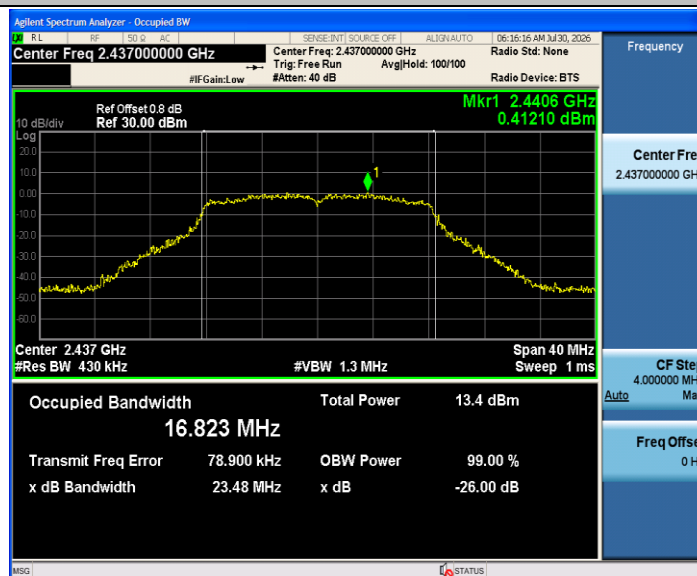
11B_Ant1_2462



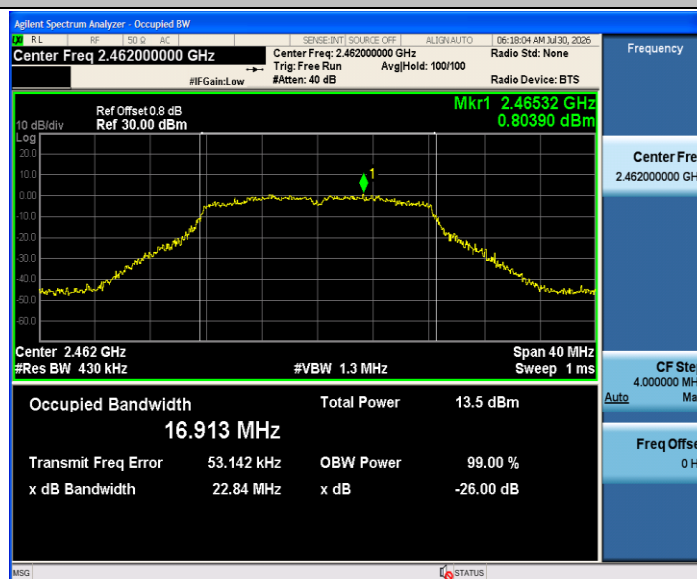
11G_Ant1_2412



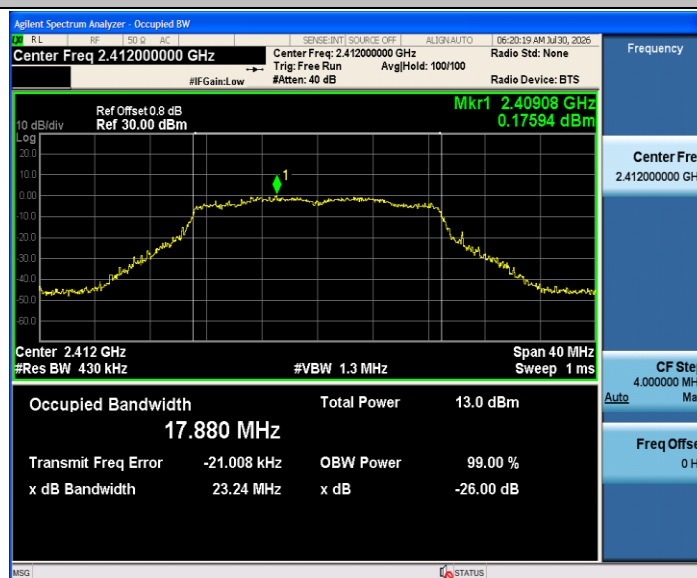
11G_Ant1_2437



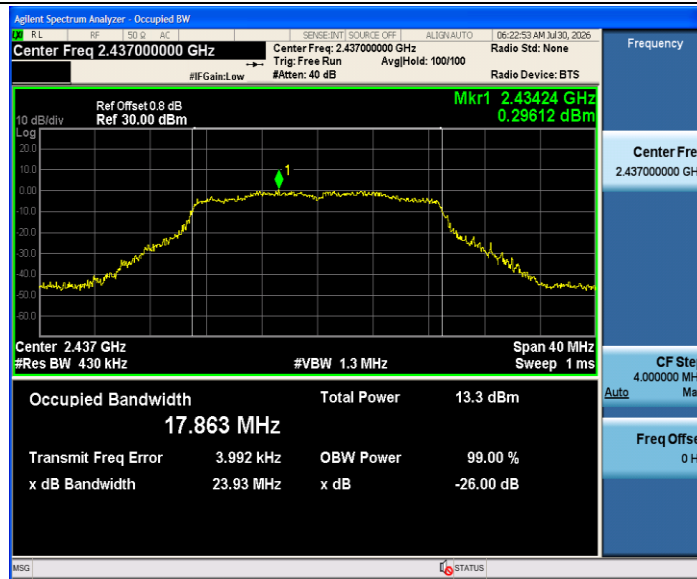
11G_Ant1_2462



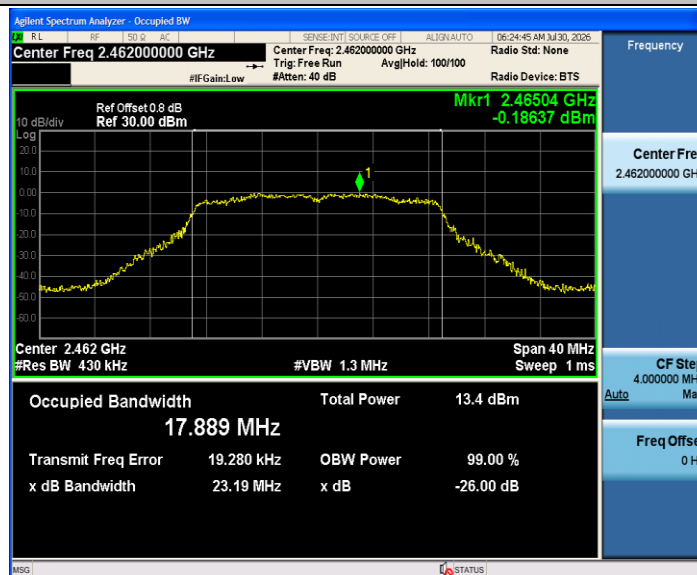
11N20SISO_Ant1_2412



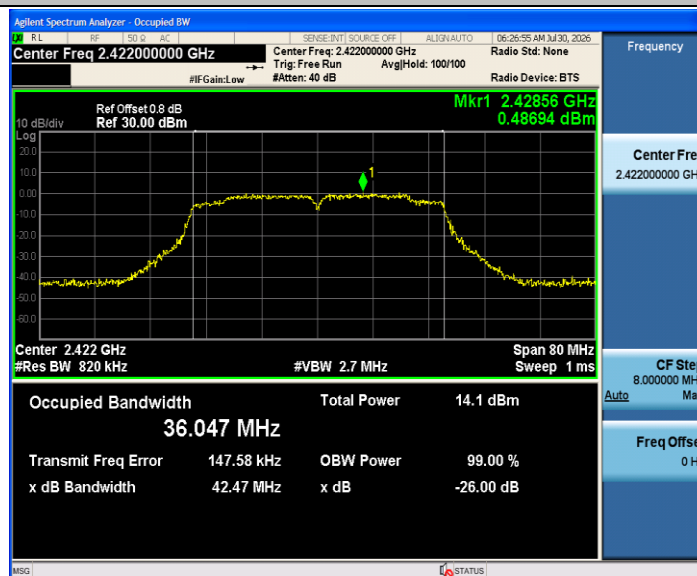
11N20SISO_Ant1_2437



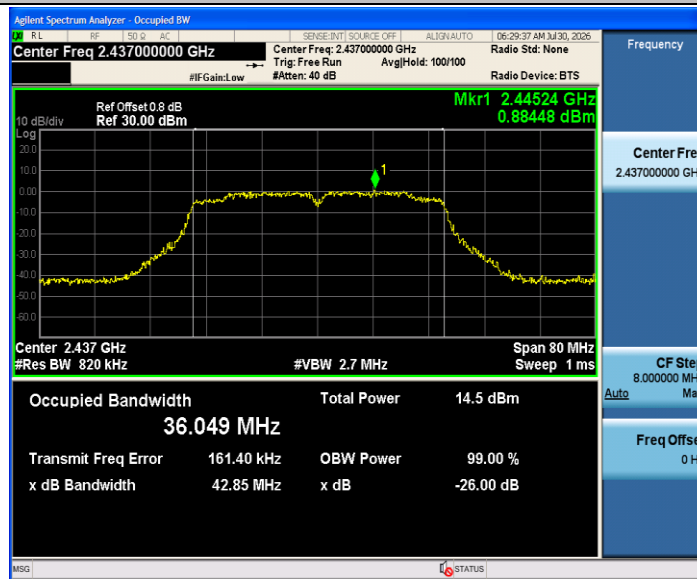
11N20SISO_Ant1_2462



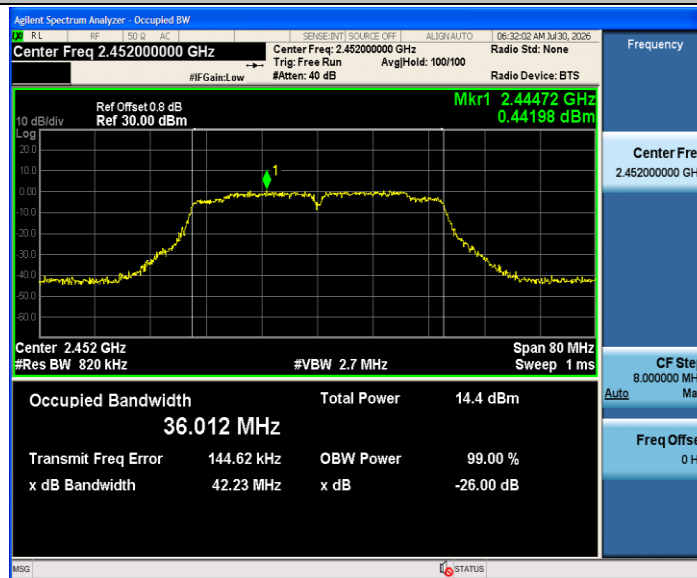
11N40SISO_Ant1_2422



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	14.56	≤30.00	PASS
		2437	14.33	≤30.00	PASS
		2462	14.44	≤30.00	PASS
11G	Ant1	2412	14.05	≤30.00	PASS
		2437	14.25	≤30.00	PASS
		2462	14.32	≤30.00	PASS
11N20SISO	Ant1	2412	13.72	≤30.00	PASS
		2437	14.08	≤30.00	PASS
		2462	14.27	≤30.00	PASS
11N40SISO	Ant1	2422	14.29	≤30.00	PASS
		2437	14.48	≤30.00	PASS
		2452	14.46	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

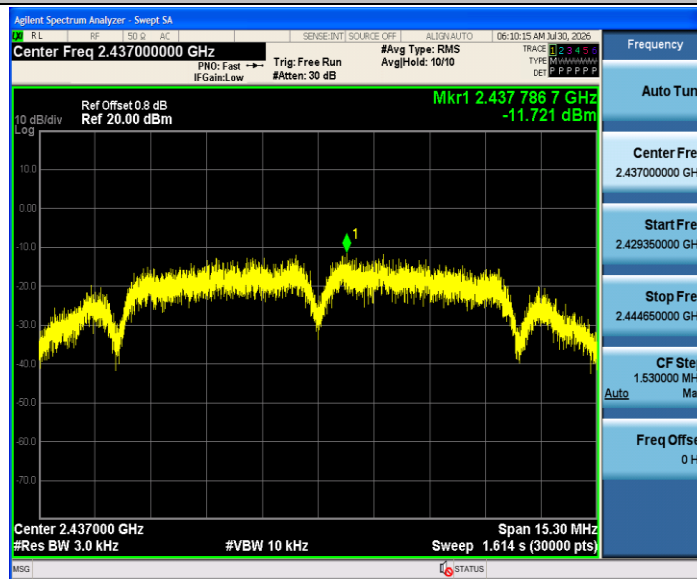
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.73	≤8.00	PASS
		2437	-11.72	≤8.00	PASS
		2462	-11.62	≤8.00	PASS
11G	Ant1	2412	-17.66	≤8.00	PASS
		2437	-17.40	≤8.00	PASS
		2462	-16.95	≤8.00	PASS
11N20SISO	Ant1	2412	-17.14	≤8.00	PASS
		2437	-16.62	≤8.00	PASS
		2462	-16.12	≤8.00	PASS
11N40SISO	Ant1	2422	-19.08	≤8.00	PASS
		2437	-19.99	≤8.00	PASS
		2452	-19.98	≤8.00	PASS

Test Graphs

11B_Ant1_2412



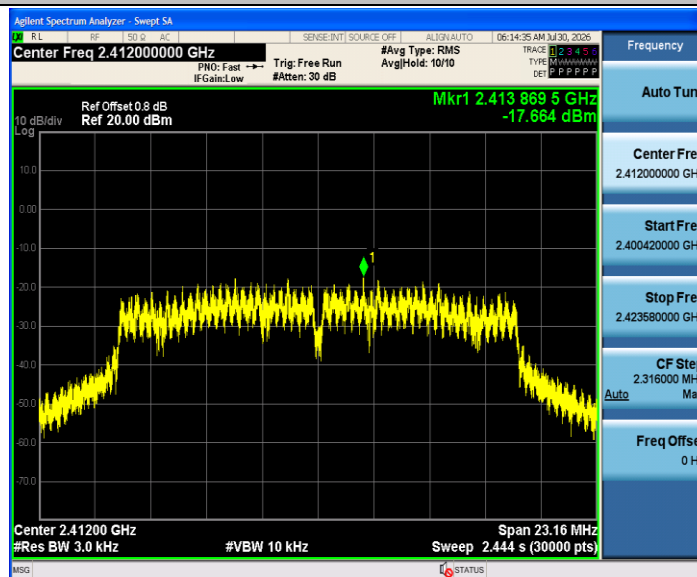
11B_Ant1_2437



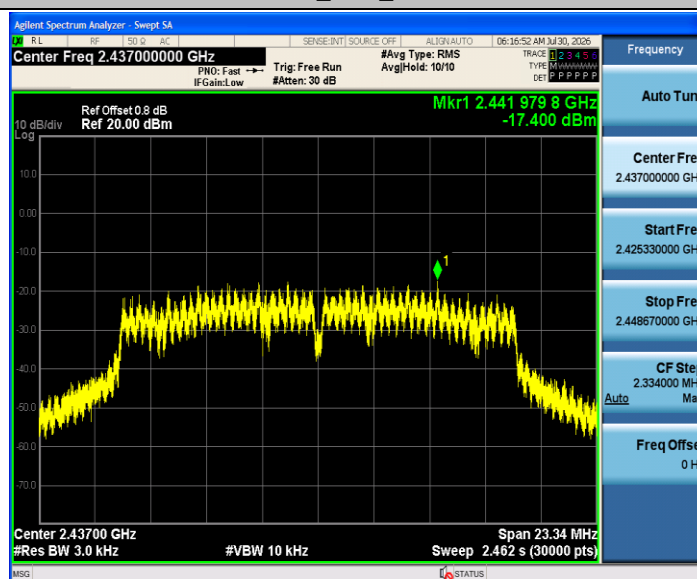
11B_Ant1_2462



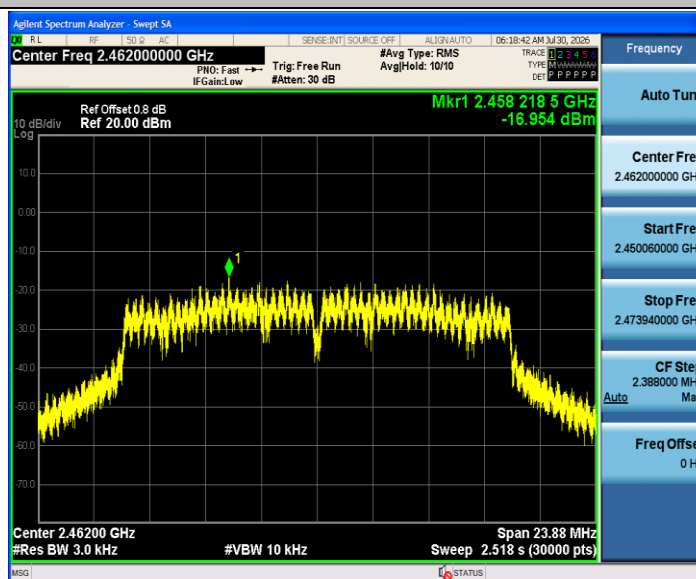
11G_Ant1_2412



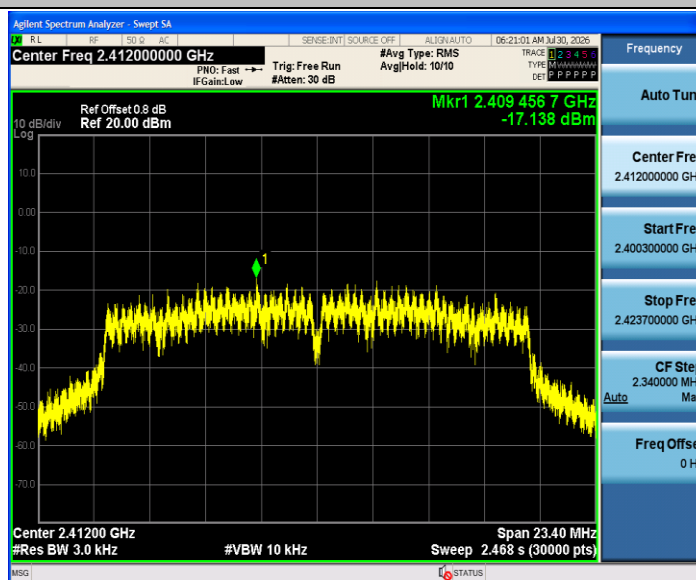
11G_Ant1_2437



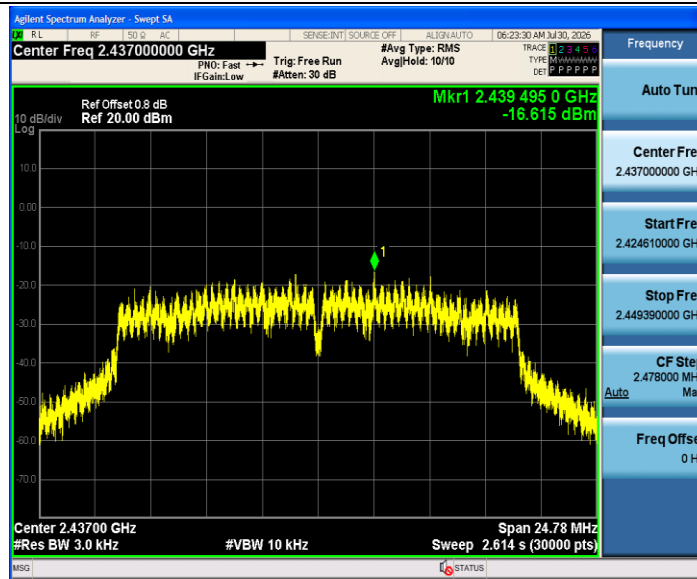
11G_Ant1_2462



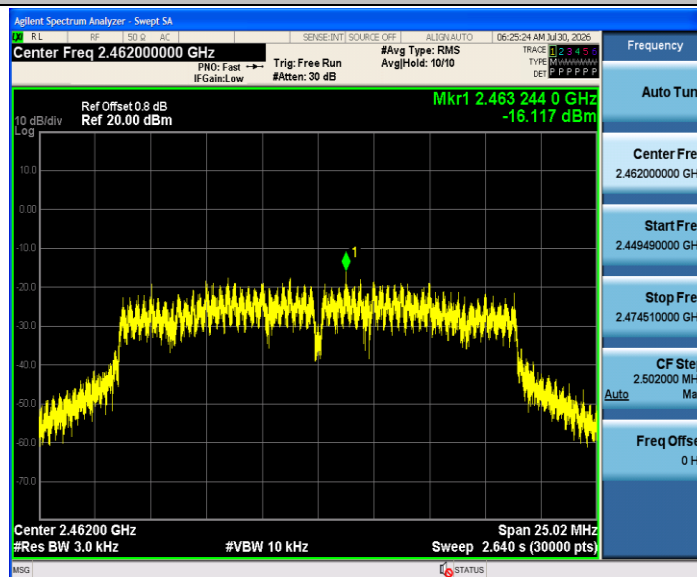
11N20SISO_Ant1_2412



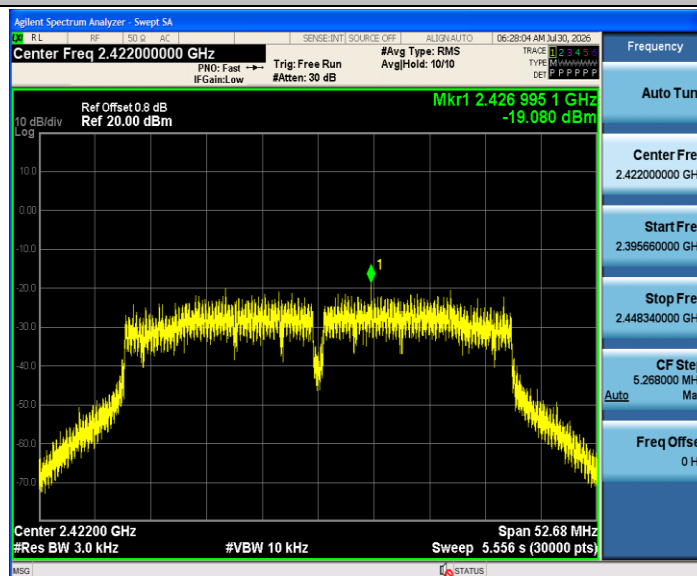
11N20SISO_Ant1_2437



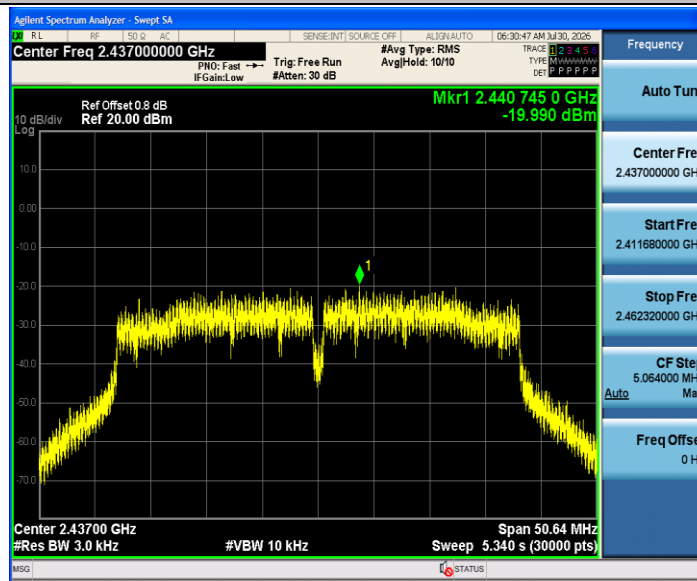
11N20SISO_Ant1_2462



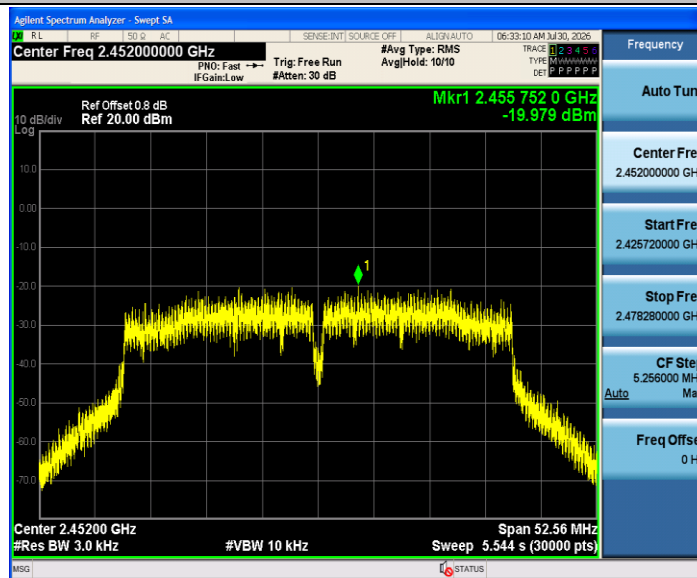
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



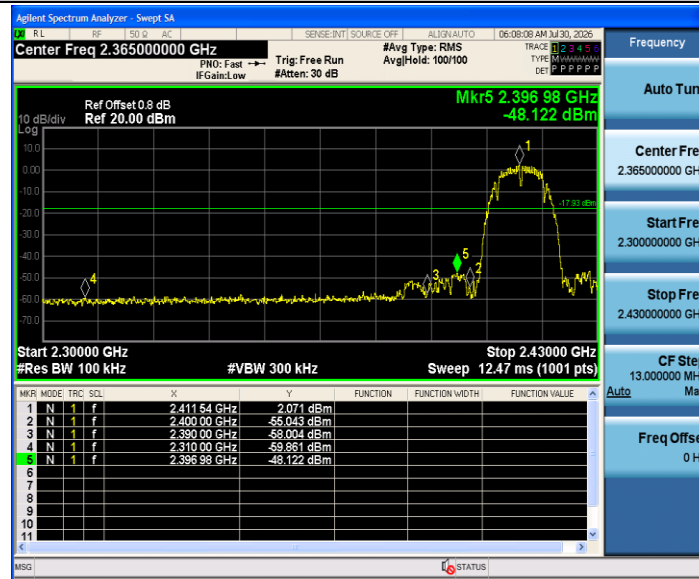
Appendix E: Band edge measurements

Test Result

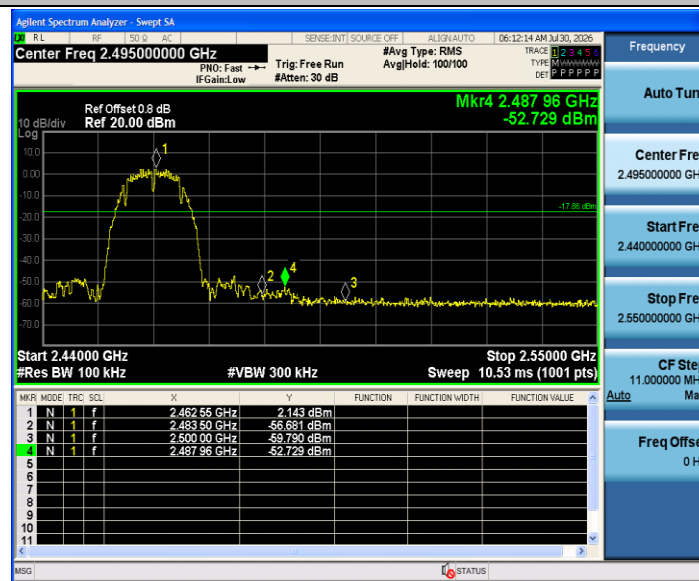
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.07	-48.12	≤-17.93	PASS
		High	2462	2.14	-52.73	≤-17.86	PASS
11G	Ant1	Low	2412	-2.37	-34.53	≤-22.37	PASS
		High	2462	-2.22	-57.56	≤-22.22	PASS
11N20SISO	Ant1	Low	2412	-2.41	-33.43	≤-22.41	PASS
		High	2462	-2.15	-57.53	≤-22.15	PASS
11N40SISO	Ant1	Low	2422	-5.57	-34.08	≤-25.57	PASS
		High	2452	-5.45	-55.72	≤-25.45	PASS

Test Graphs

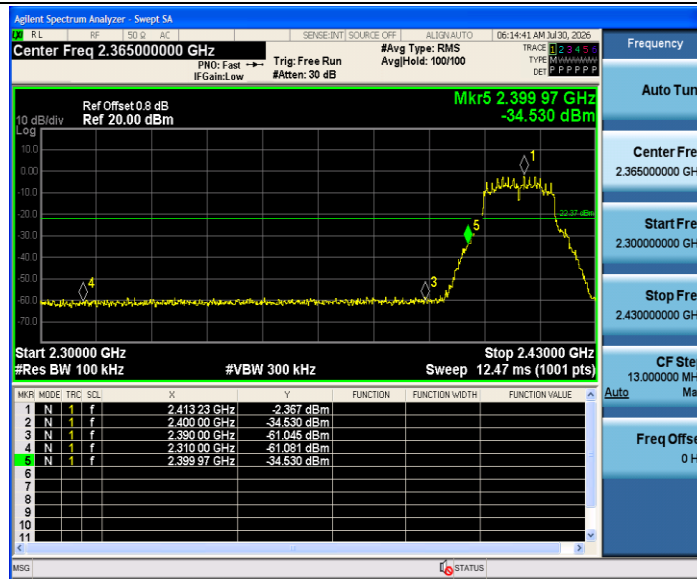
11B_Ant1_Low_2412



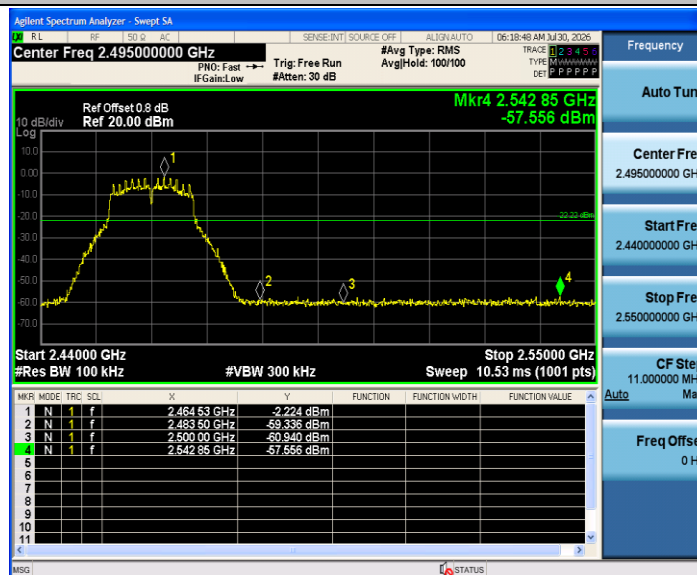
11B_Ant1_High_2462



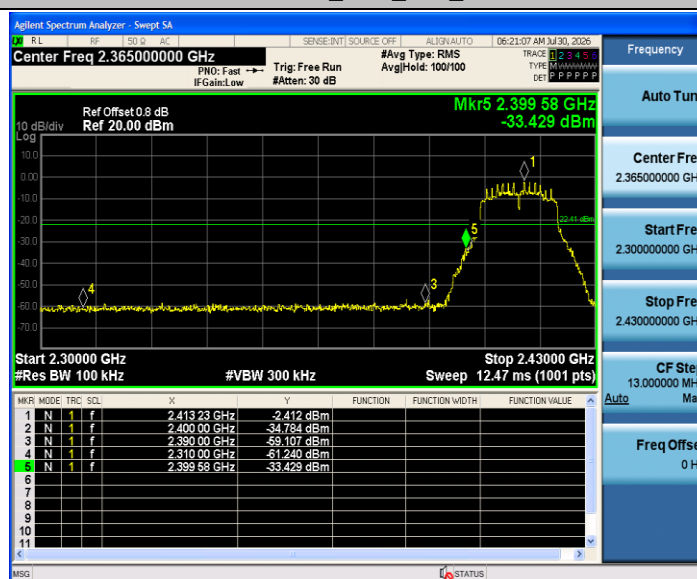
11G_Ant1_Low_2412



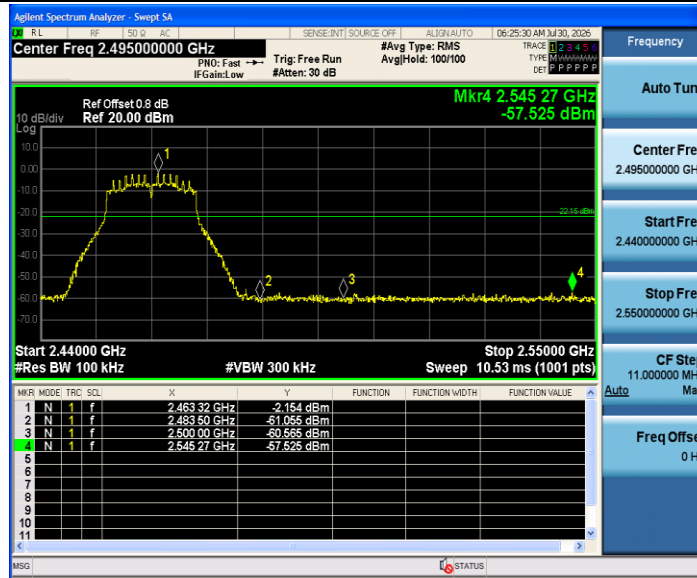
11G_Ant1_High_2462



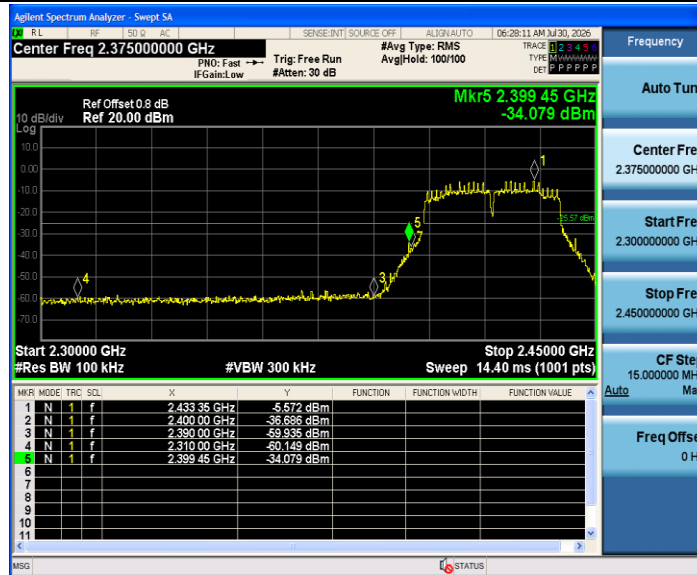
11N20SISO_Ant1_Low_2412



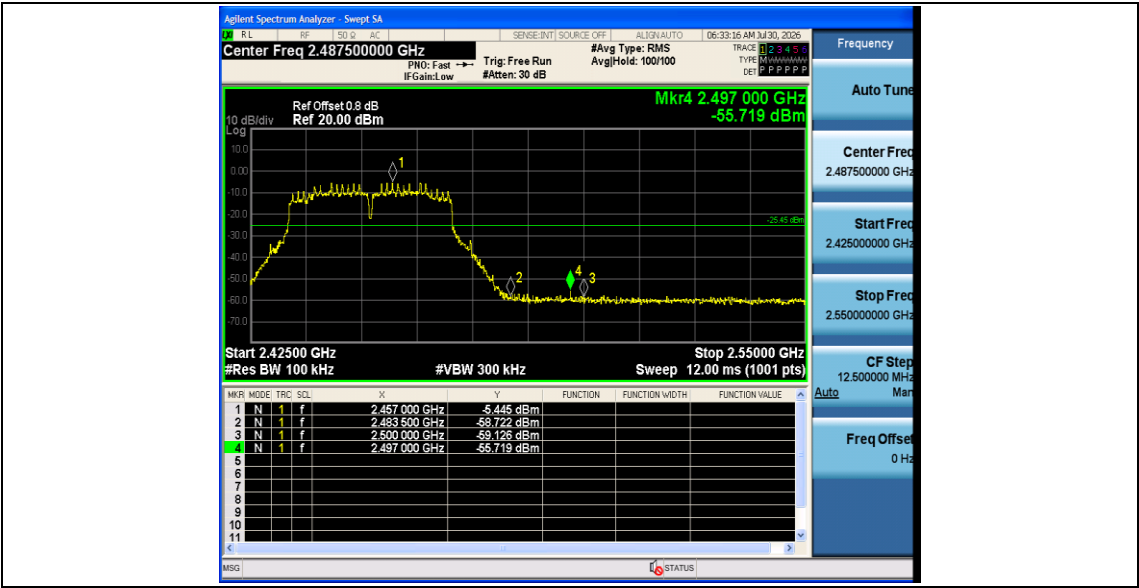
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

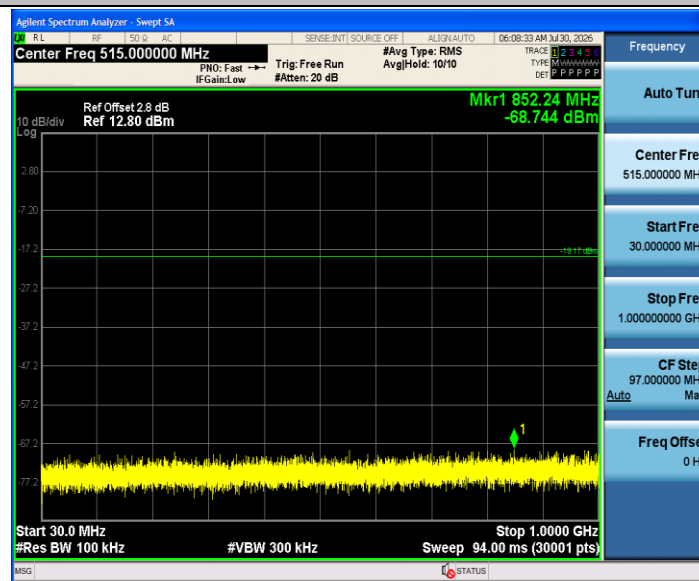
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.83	0.83	---	PASS
			30~1000	0.83	-68.74	≤-19.17	PASS
			1000~26500	0.83	-46.11	≤-19.17	PASS
		2437	Reference	1.27	1.27	---	PASS
			30~1000	1.27	-68.85	≤-18.73	PASS
			1000~26500	1.27	-45.13	≤-18.73	PASS
		2462	Reference	2.46	2.46	---	PASS
			30~1000	2.46	-68.28	≤-17.54	PASS
			1000~26500	2.46	-45.92	≤-17.54	PASS
11G	Ant1	2412	Reference	-3.05	-3.05	---	PASS
			30~1000	-3.05	-68.23	≤-23.05	PASS
			1000~26500	-3.05	-46.1	≤-23.05	PASS
		2437	Reference	-2.66	-2.66	---	PASS
			30~1000	-2.66	-68.72	≤-22.66	PASS
			1000~26500	-2.66	-45.97	≤-22.66	PASS
		2462	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-68.13	≤-22.08	PASS
			1000~26500	-2.08	-45.72	≤-22.08	PASS
11N20SISO	Ant1	2412	Reference	-2.93	-2.93	---	PASS
			30~1000	-2.93	-68.42	≤-22.93	PASS
			1000~26500	-2.93	-46.03	≤-22.93	PASS
		2437	Reference	-2.71	-2.71	---	PASS
			30~1000	-2.71	-68.77	≤-22.71	PASS
			1000~26500	-2.71	-46.31	≤-22.71	PASS
		2462	Reference	-2.15	-2.15	---	PASS
			30~1000	-2.15	-68.95	≤-22.15	PASS
			1000~26500	-2.15	-46.01	≤-22.15	PASS
11N40SISO	Ant1	2422	Reference	-5.84	-5.84	---	PASS
			30~1000	-5.84	-68.25	≤-25.84	PASS
			1000~26500	-5.84	-46.83	≤-25.84	PASS
		2437	Reference	-5.60	-5.60	---	PASS
			30~1000	-5.60	-68.75	≤-25.6	PASS
			1000~26500	-5.60	-46.66	≤-25.6	PASS
		2452	Reference	-5.64	-5.64	---	PASS
			30~1000	-5.64	-68.91	≤-25.64	PASS
			1000~26500	-5.64	-46.71	≤-25.64	PASS

Test Graphs

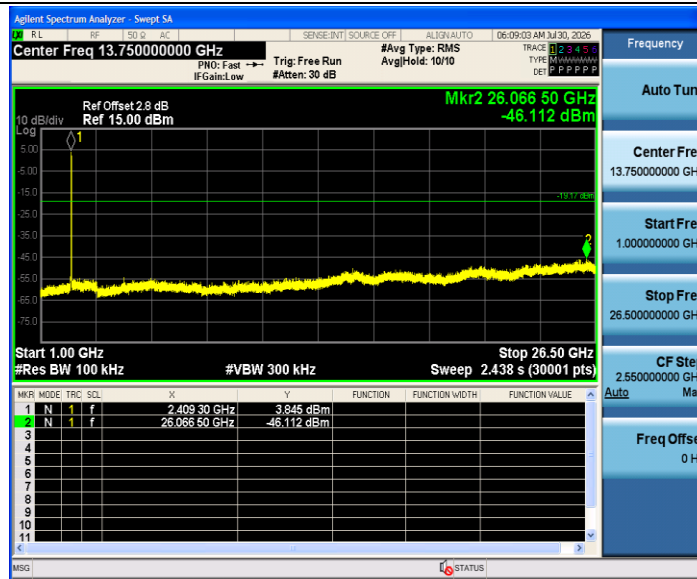
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



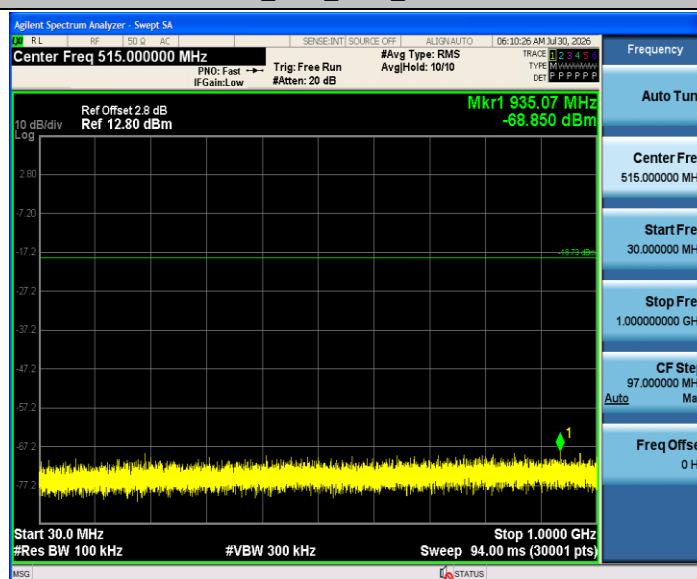
11B_Ant1_2412_1000~26500



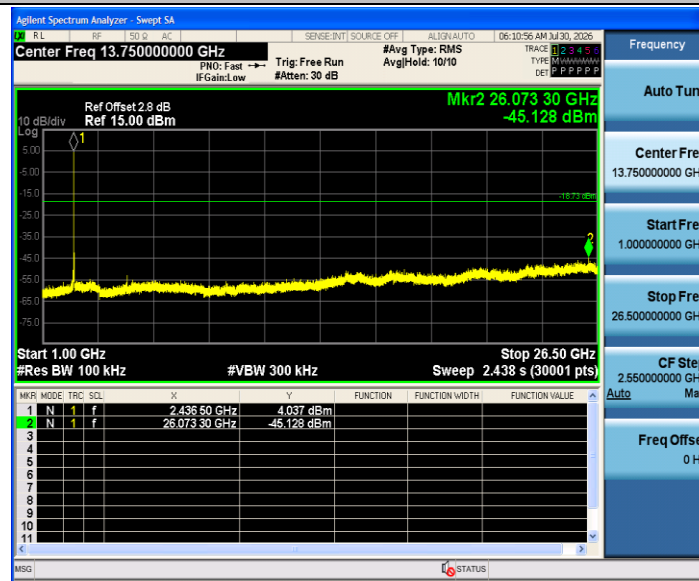
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



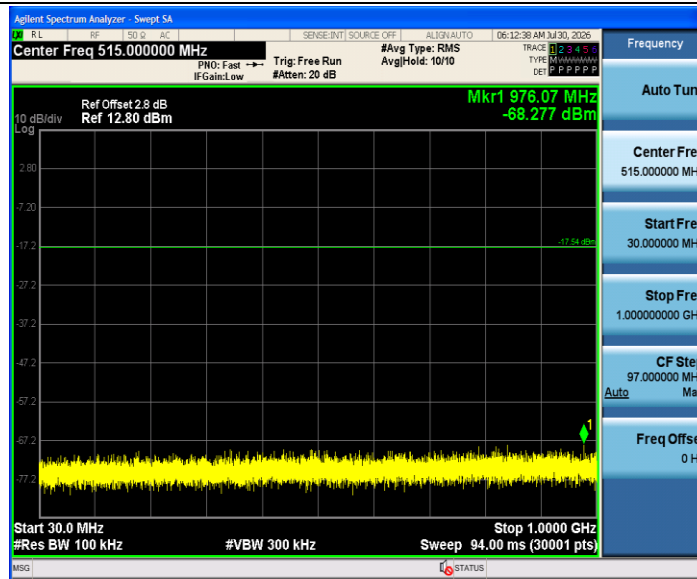
11B_Ant1_2437_1000~26500



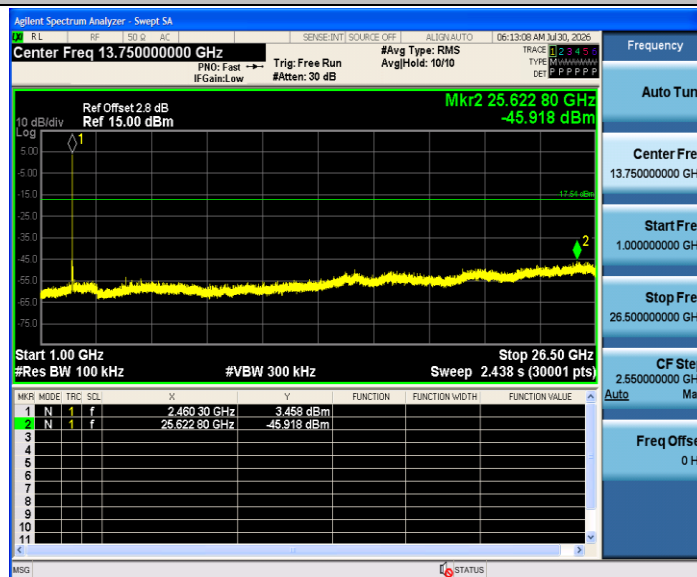
11B_Ant1_2462_0~Reference



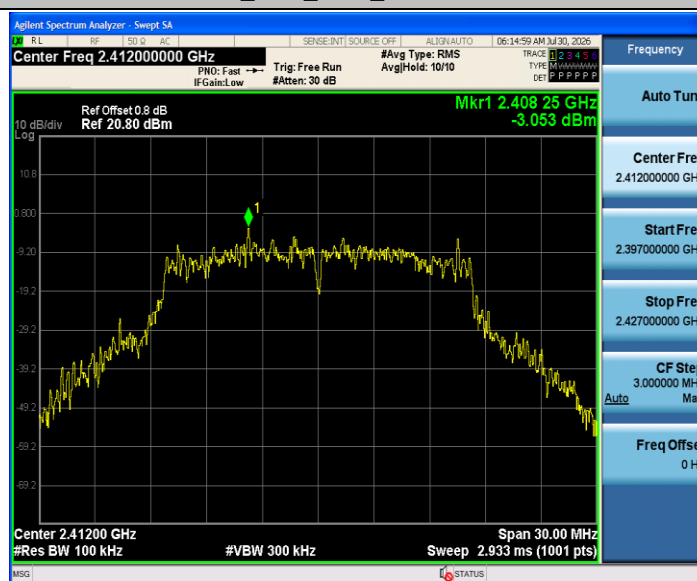
11B_Ant1_2462_30~1000



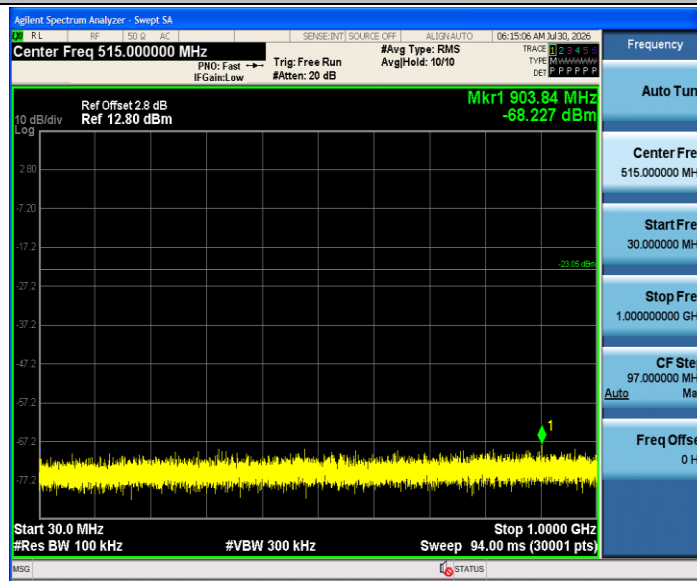
11B_Ant1_2462_1000~26500



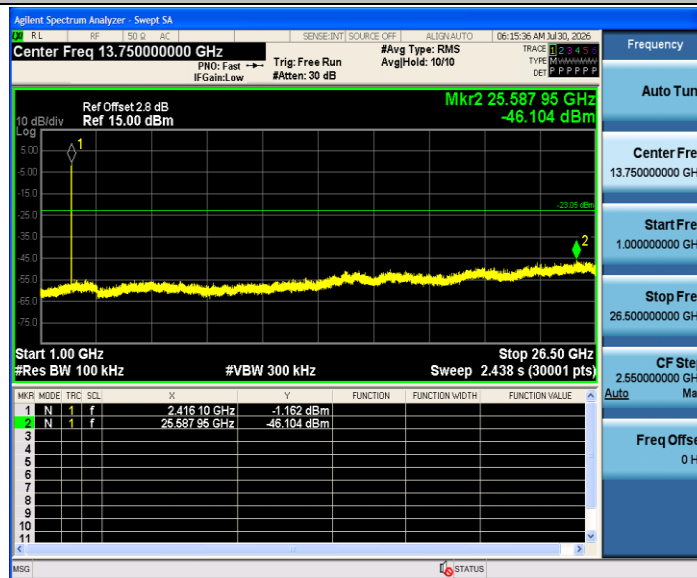
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



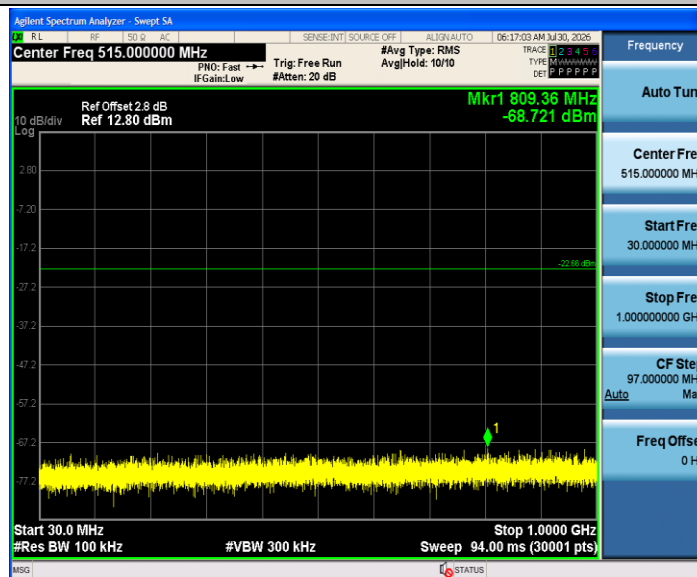
11G_Ant1_2412_1000~26500



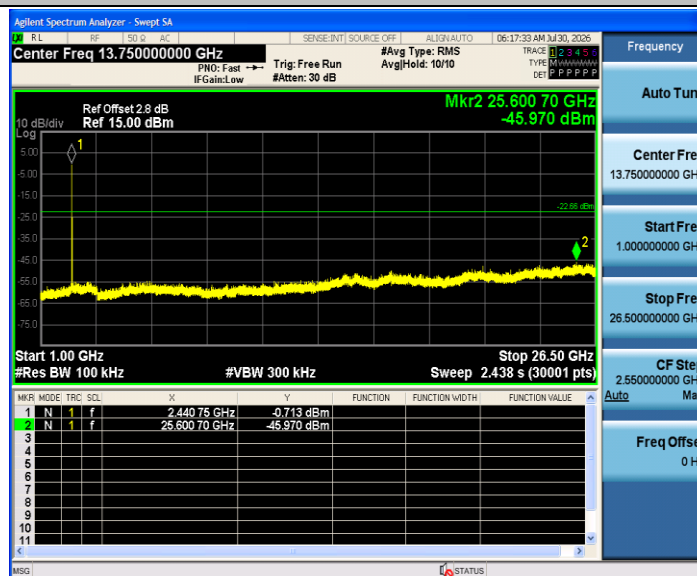
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



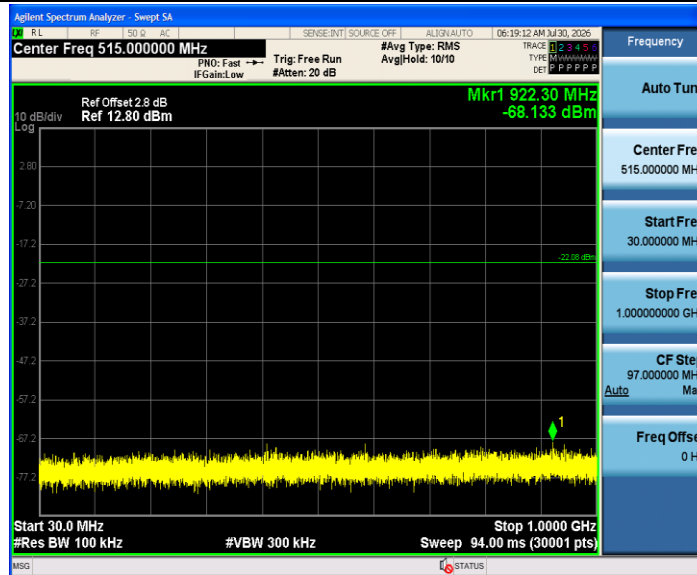
11G_Ant1_2437_1000~26500



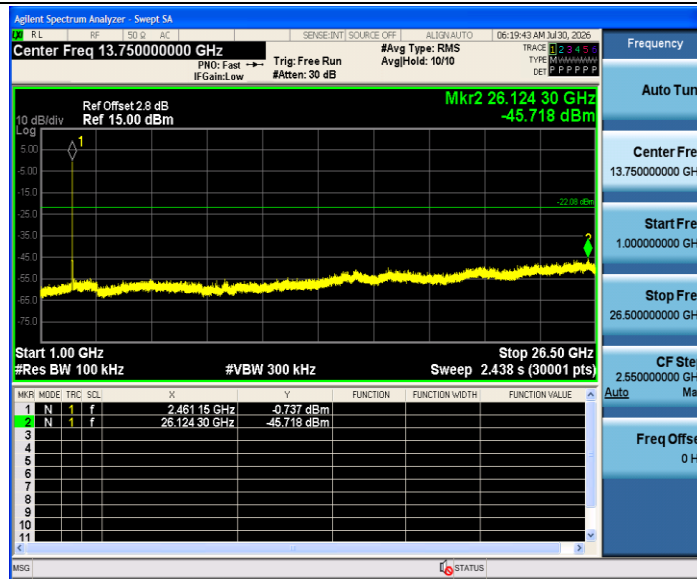
11G_Ant1_2462_0~Reference



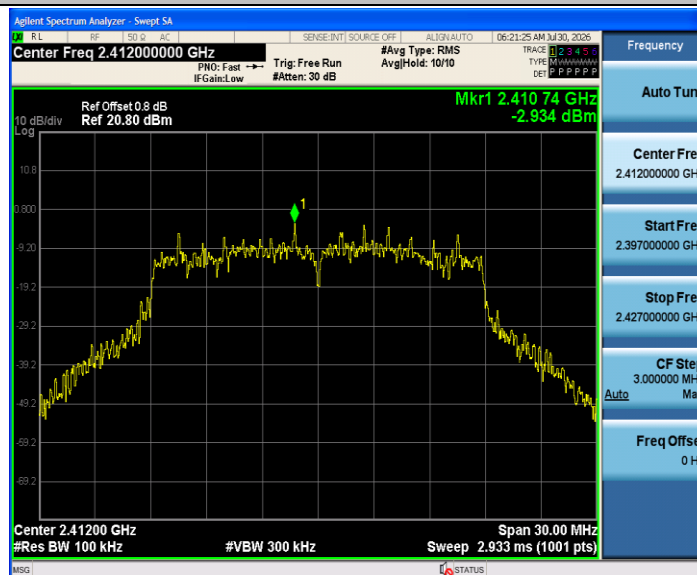
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

