

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BW3U-MS-8-CM5-B

Company : MYPLAYER LTD

EUT : MY TOUCH T8

Model Number : MS-8-CM5-B

Report No. : CTA26072901203

Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

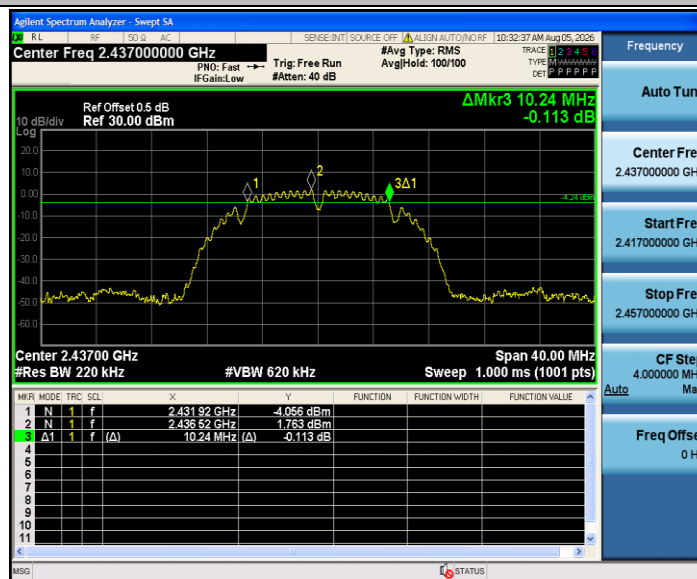
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.240	2406.920	2417.160	0.5	PASS
		2437	10.240	2431.920	2442.160	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.960	2404.000	2419.960	0.5	PASS
		2437	15.800	2429.080	2444.880	0.5	PASS
		2462	15.960	2454.080	2470.040	0.5	PASS
11N20SISO	Ant1	2412	16.880	2403.520	2420.400	0.5	PASS
		2437	16.840	2428.440	2445.280	0.5	PASS
		2462	17.200	2453.440	2470.640	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	35.520	2434.560	2470.080	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



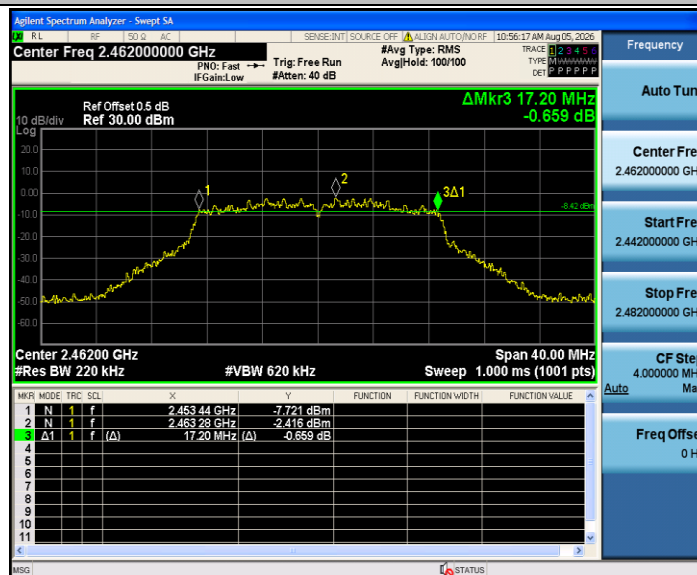
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



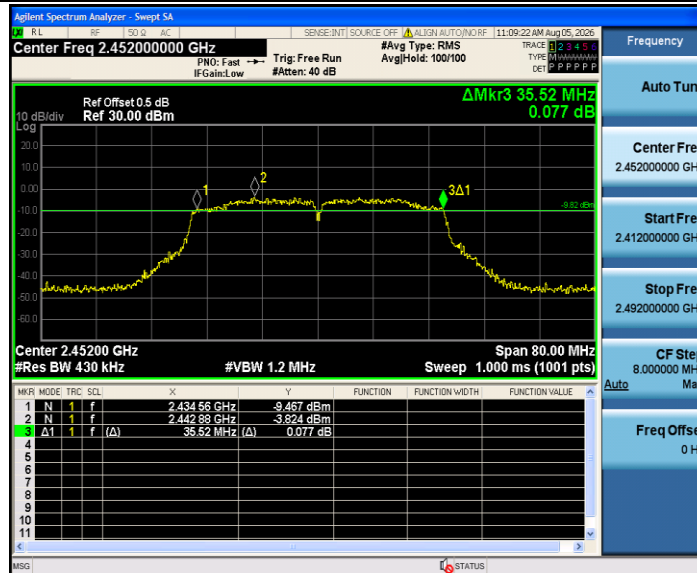
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



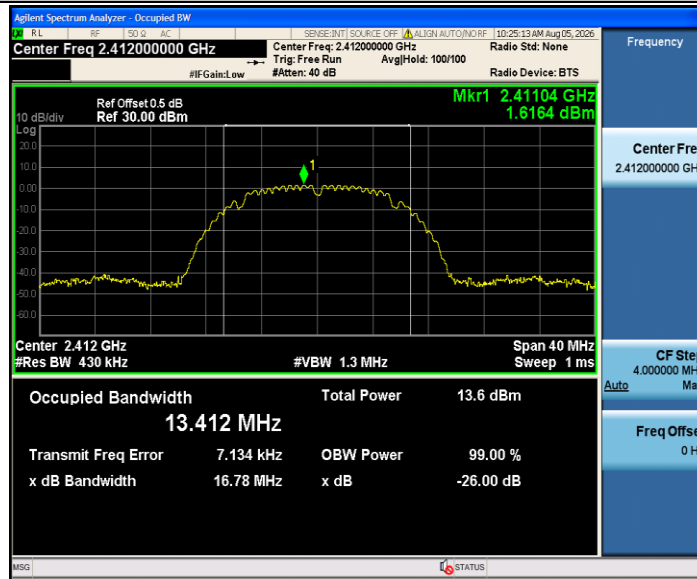
Appendix B: Occupied Channel Bandwidth

Test Result

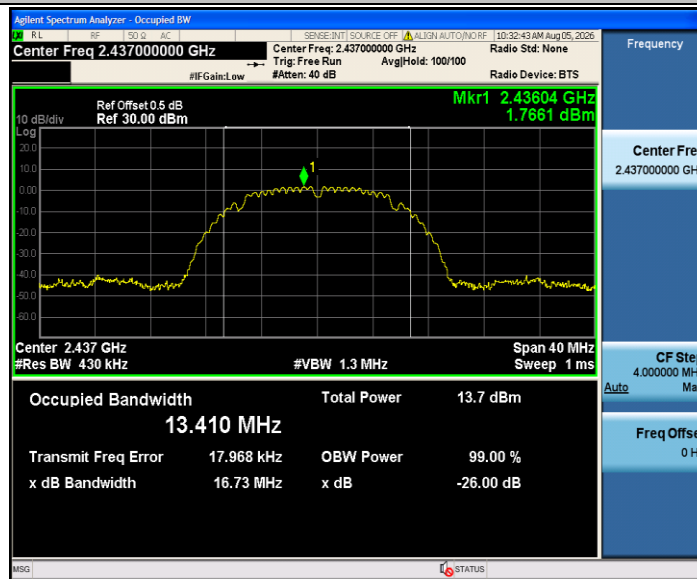
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.412	2405.3011	2418.7131	---	---
		2437	13.410	2430.3130	2443.7230	---	---
		2462	13.420	2455.3146	2468.7346	---	---
11G	Ant1	2412	16.873	2403.5945	2420.4675	---	---
		2437	16.838	2428.6244	2445.4624	---	---
		2462	16.774	2453.6676	2470.4416	---	---
11N20SISO	Ant1	2412	17.954	2402.9956	2420.9496	---	---
		2437	17.843	2428.1002	2445.9432	---	---
		2462	17.913	2453.0959	2471.0089	---	---
11N40SISO	Ant1	2422	36.036	2404.1342	2440.1702	---	---
		2437	36.145	2419.0984	2455.2434	---	---
		2452	36.050	2434.0858	2470.1358	---	---

Test Graphs

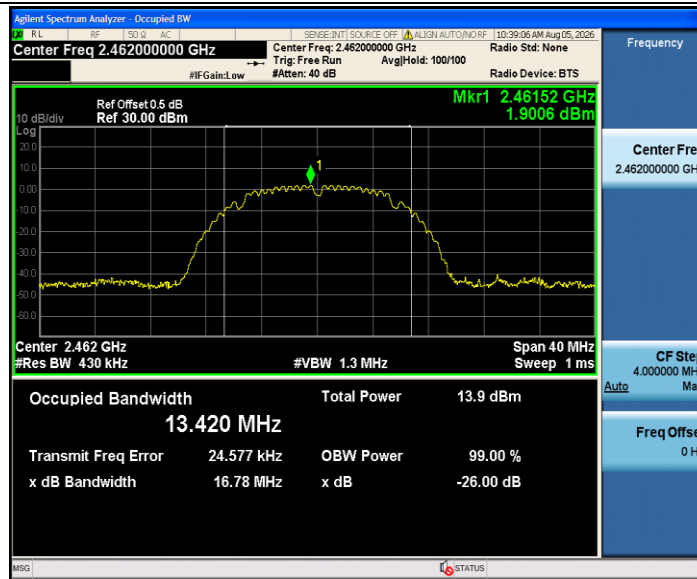
11B_Ant1_2412



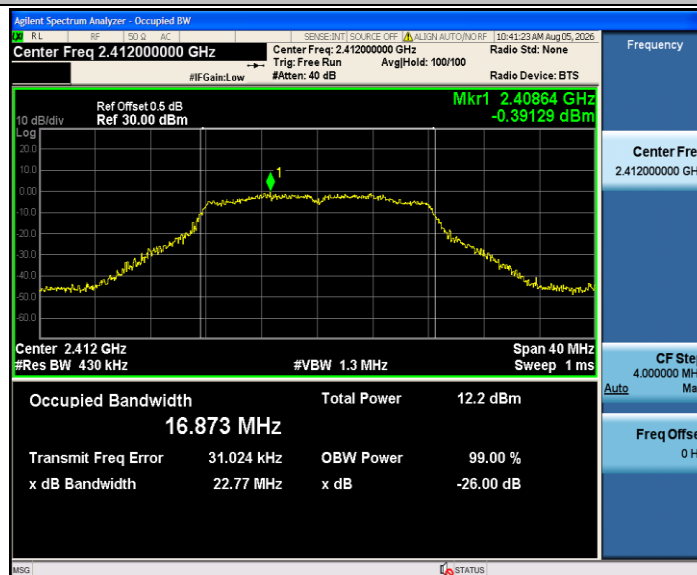
11B_Ant1_2437



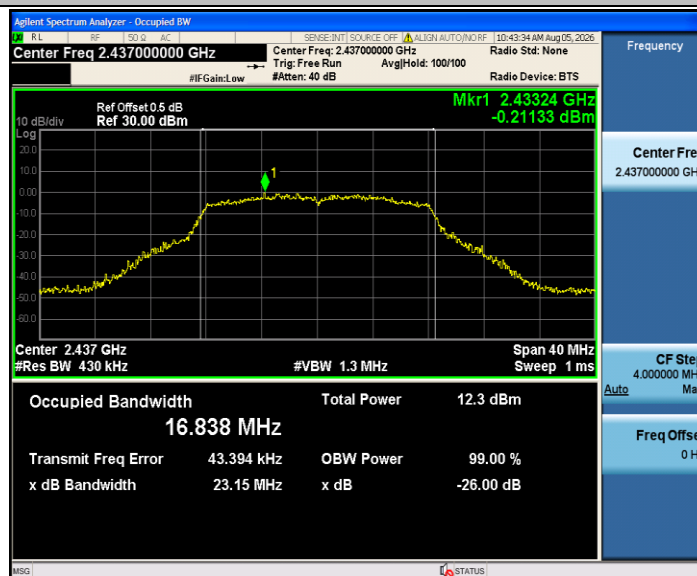
11B_Ant1_2462



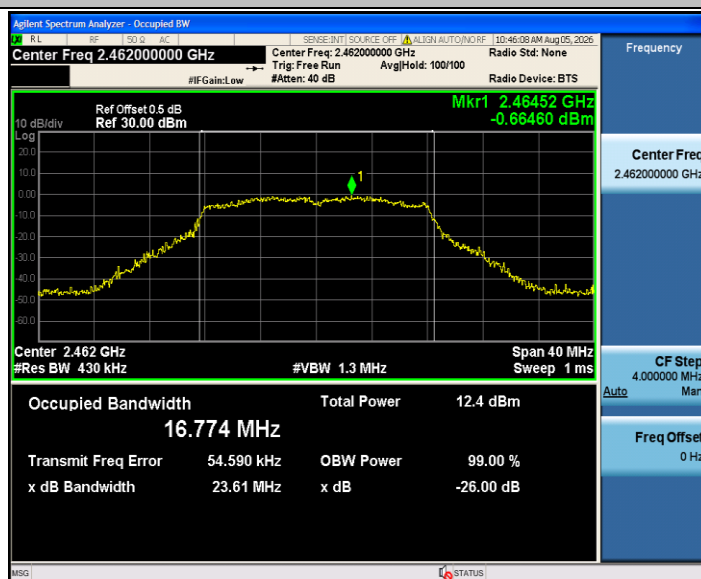
11G_Ant1_2412



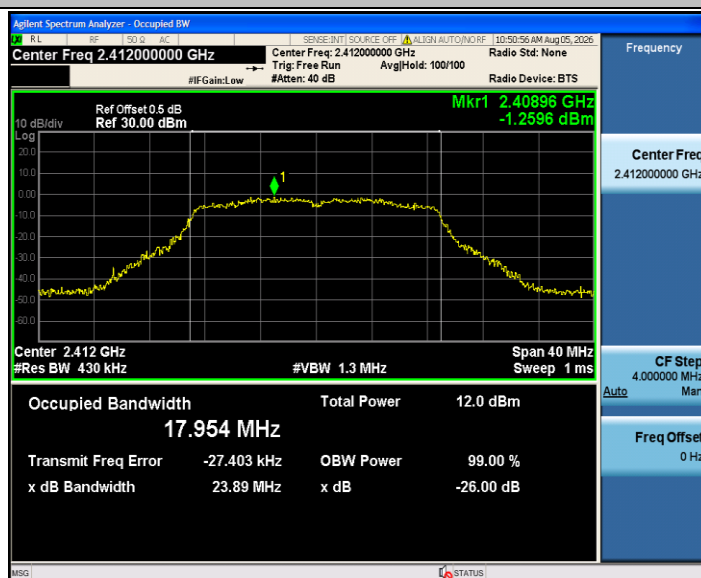
11G_Ant1_2437



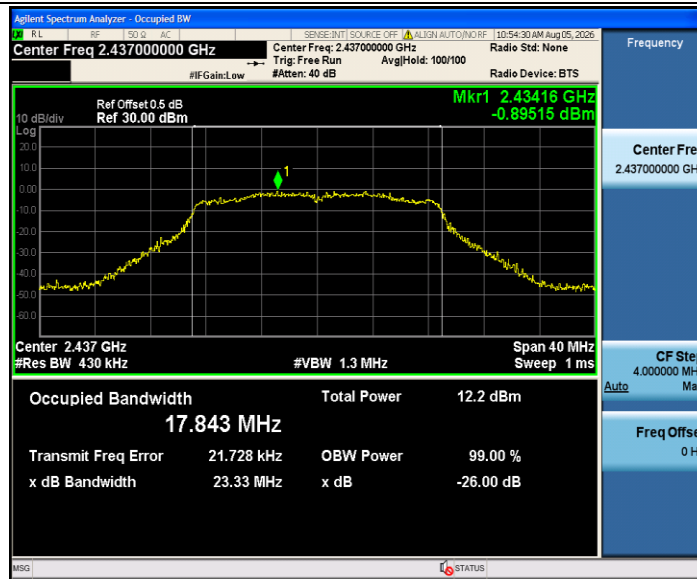
11G_Ant1_2462



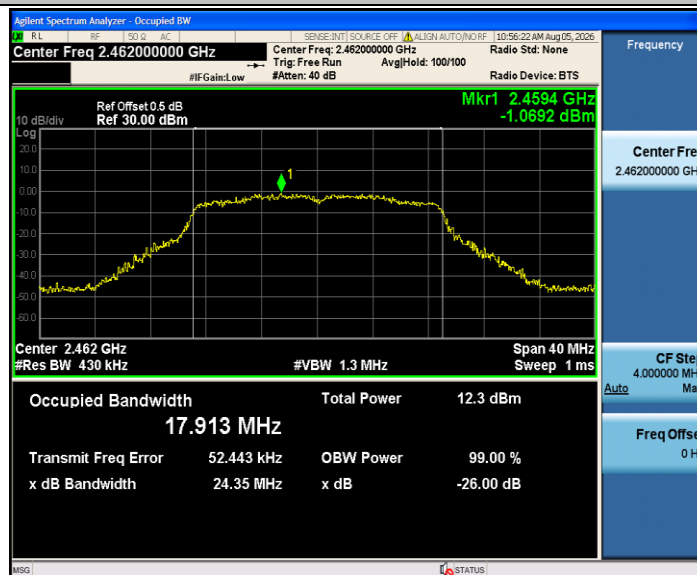
11N20SISO_Ant1_2412



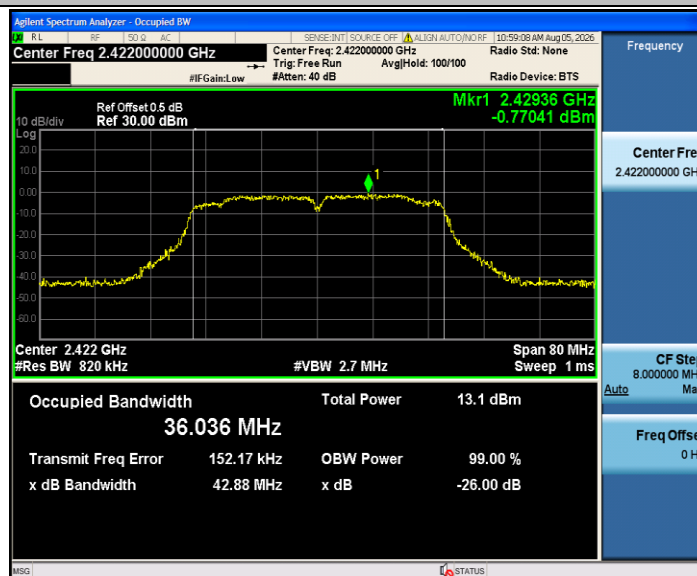
11N20SISO_Ant1_2437



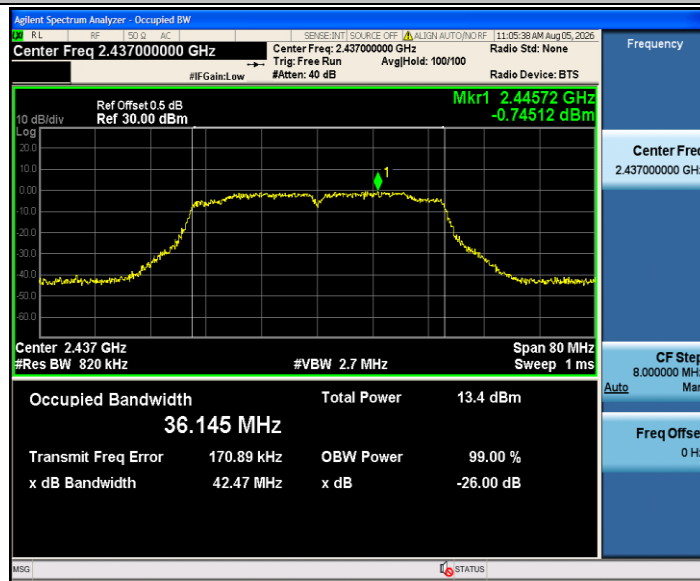
11N20SISO_Ant1_2462



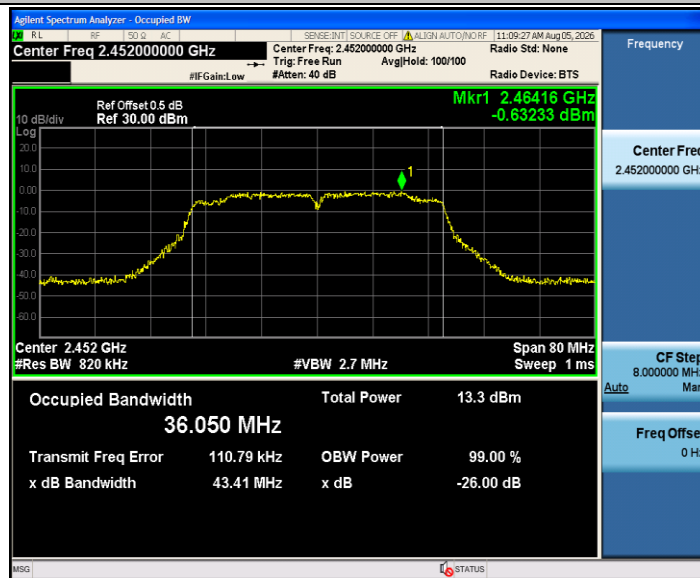
11N40SISO_Ant1_2422



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	13.26	≤30.00	PASS
		2437	13.38	≤30.00	PASS
		2462	13.56	≤30.00	PASS
11G	Ant1	2412	13.05	≤30.00	PASS
		2437	13.12	≤30.00	PASS
		2462	13.27	≤30.00	PASS
11N20SISO	Ant1	2412	12.89	≤30.00	PASS
		2437	13.06	≤30.00	PASS
		2462	13.23	≤30.00	PASS
11N40SISO	Ant1	2422	13.22	≤30.00	PASS
		2437	13.55	≤30.00	PASS
		2452	13.43	≤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	-12.99	≤8.00	PASS
		2437	-12.18	≤8.00	PASS
		2462	-11.97	≤8.00	PASS
11G	Ant1	2412	-18.70	≤8.00	PASS
		2437	-18.97	≤8.00	PASS
		2462	-17.96	≤8.00	PASS
11N20SISO	Ant1	2412	-18.24	≤8.00	PASS
		2437	-17.82	≤8.00	PASS
		2462	-18.16	≤8.00	PASS
11N40SISO	Ant1	2422	-20.22	≤8.00	PASS
		2437	-21.41	≤8.00	PASS
		2452	-20.31	≤8.00	PASS

Test Graphs

11B_Ant1_2412



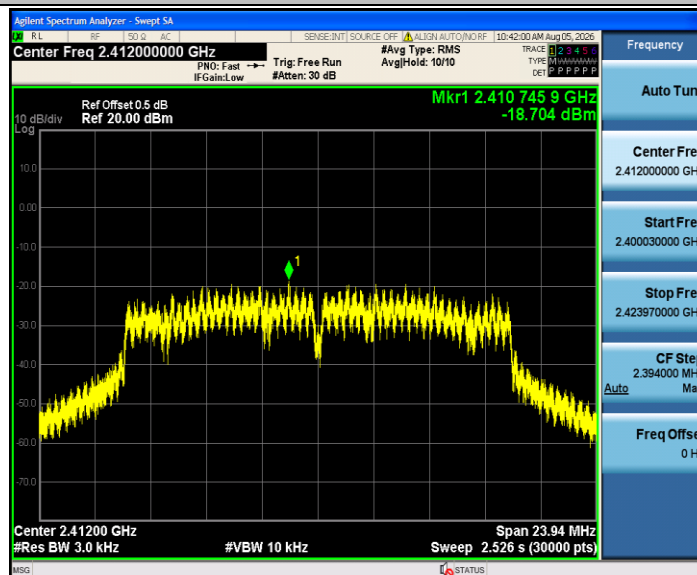
11B_Ant1_2437



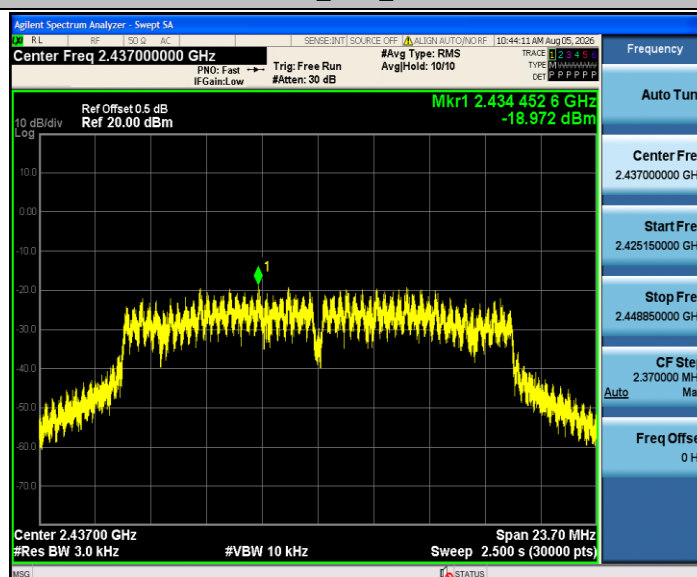
11B_Ant1_2462



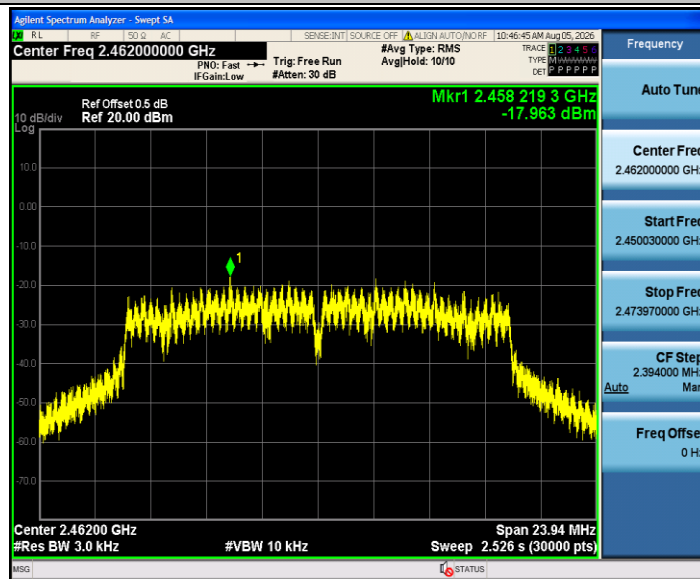
11G_Ant1_2412



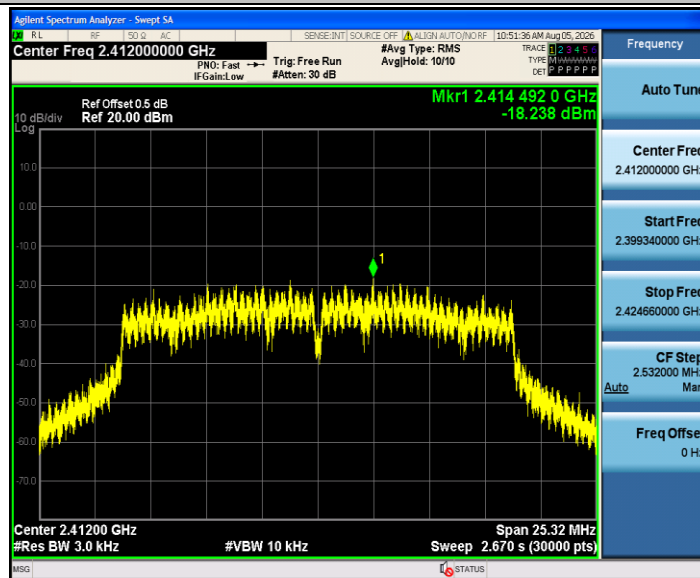
11G_Ant1_2437



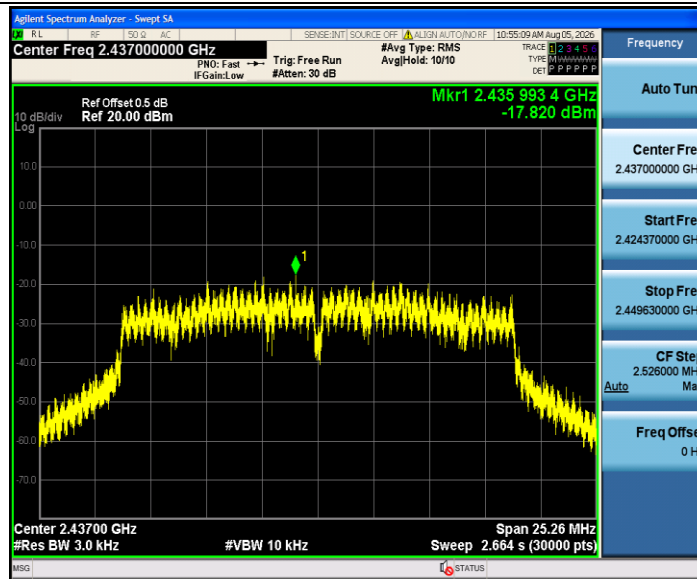
11G_Ant1_2462



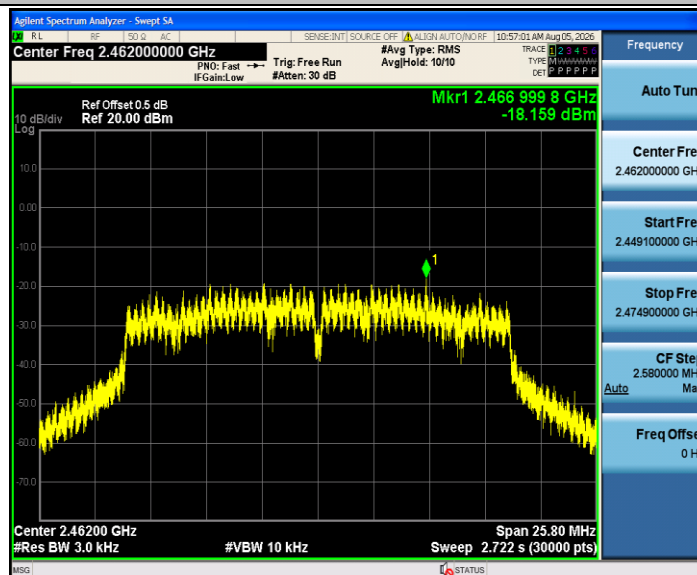
11N20SISO_Ant1_2412



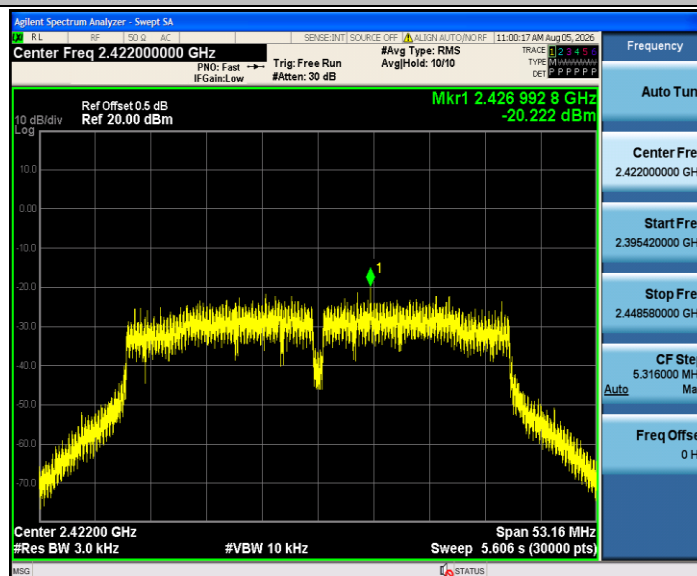
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



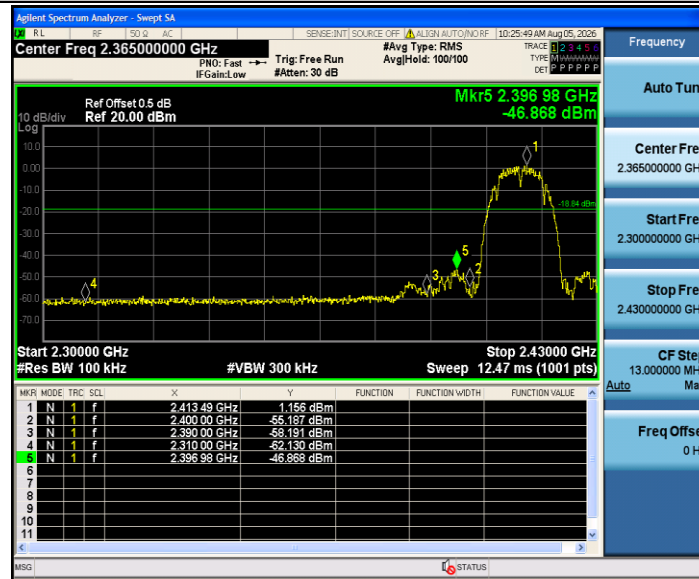
Appendix E: Band edge measurements

Test Result

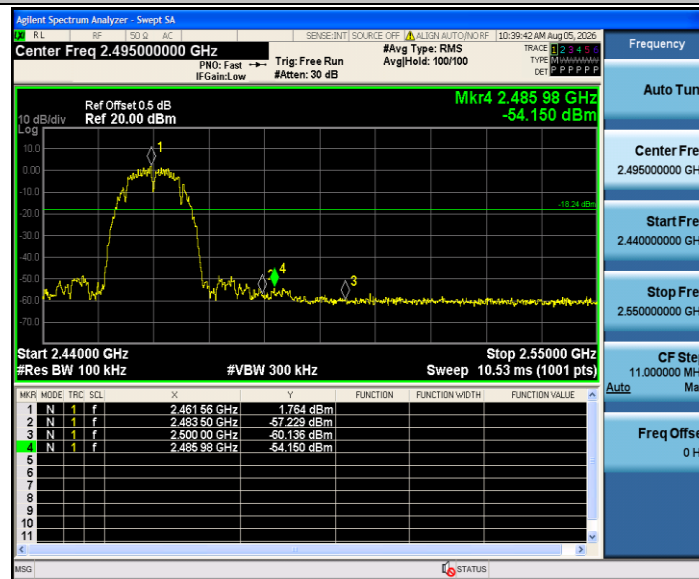
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.16	-46.87	≤-18.84	PASS
		High	2462	1.76	-54.15	≤-18.24	PASS
11G	Ant1	Low	2412	-3.43	-33.15	≤-23.43	PASS
		High	2462	-3.16	-57.97	≤-23.16	PASS
11N20SISO	Ant1	Low	2412	-3.76	-35.09	≤-23.76	PASS
		High	2462	-3.01	-57.79	≤-23.01	PASS
11N40SISO	Ant1	Low	2422	-6.83	-35.58	≤-26.83	PASS
		High	2452	-6.42	-56.57	≤-26.42	PASS

Test Graphs

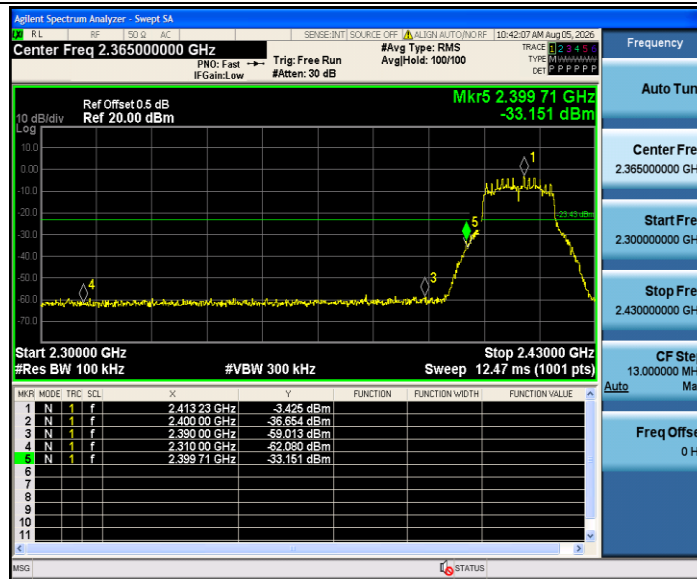
11B_Ant1_Low_2412



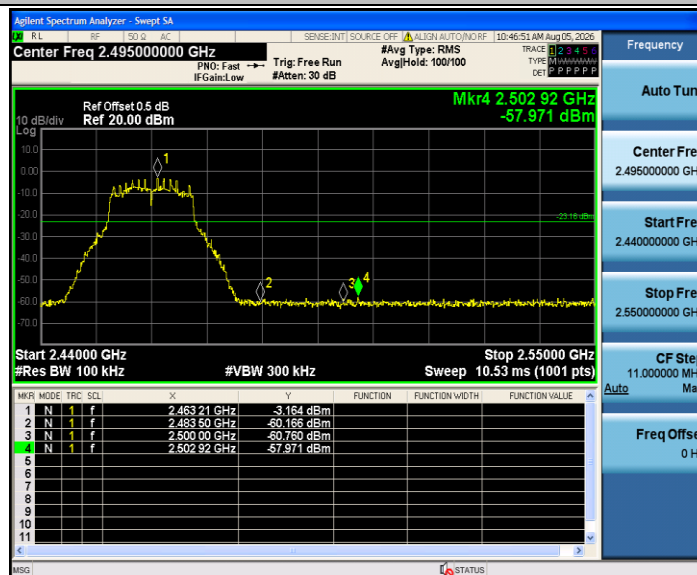
11B_Ant1_High_2462



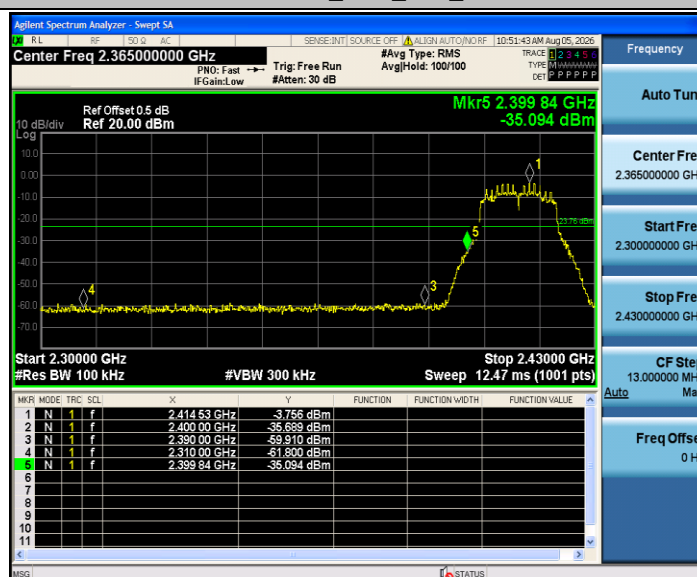
11G_Ant1_Low_2412



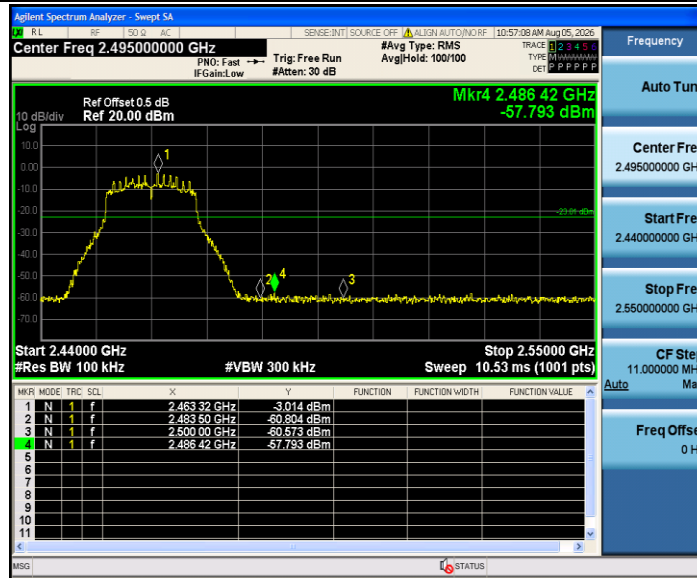
11G_Ant1_High_2462



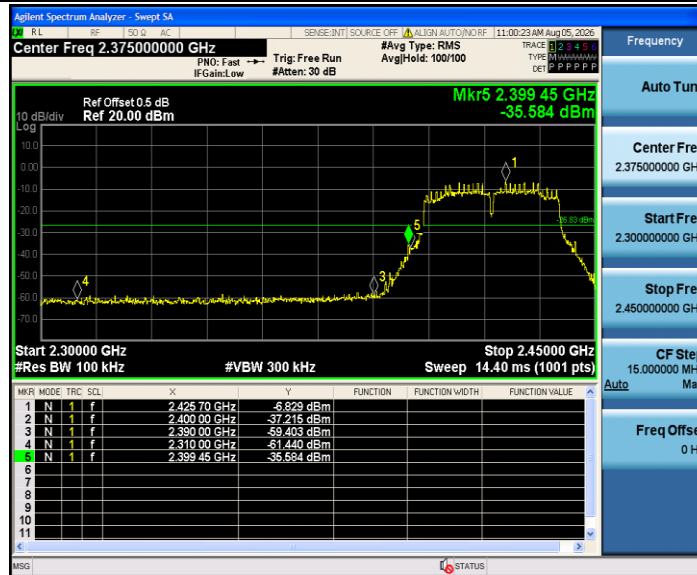
11N20SISO_Ant1_Low_2412



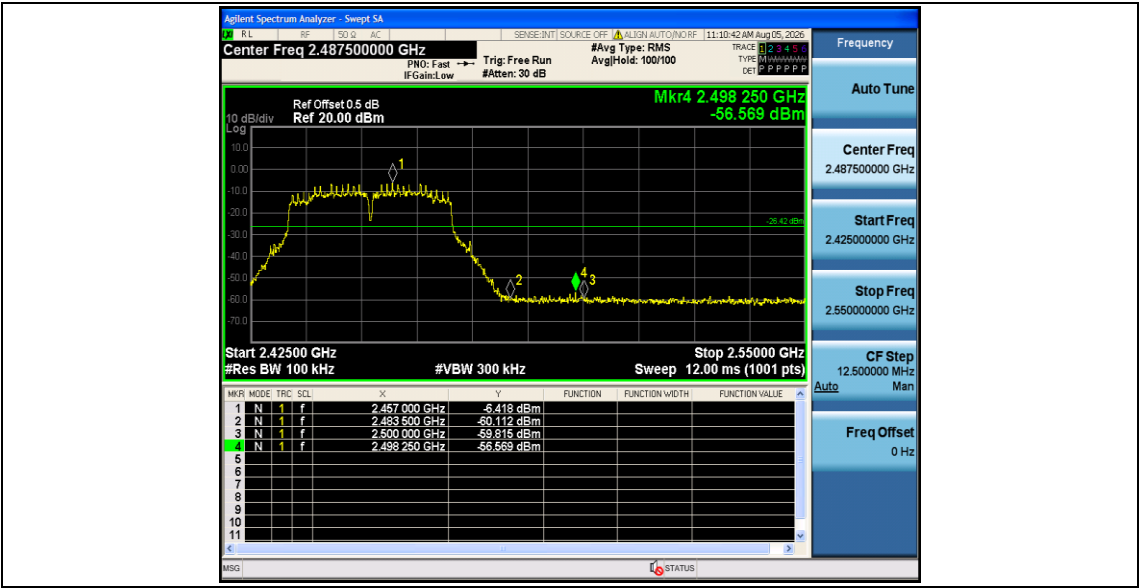
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

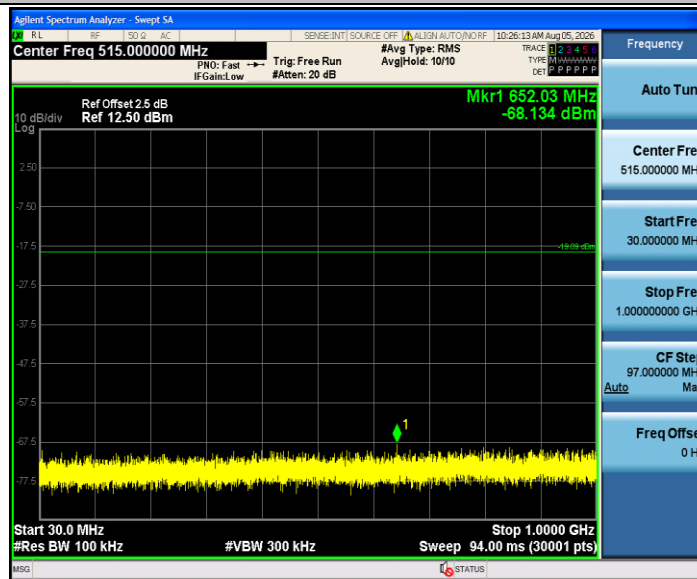
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.91	0.91	---	PASS
			30~1000	0.91	-68.13	≤-19.09	PASS
			1000~26500	0.91	-46.46	≤-19.09	PASS
		2437	Reference	1.59	1.59	---	PASS
			30~1000	1.59	-68.72	≤-18.41	PASS
			1000~26500	1.59	-46.4	≤-18.41	PASS
		2462	Reference	1.17	1.17	---	PASS
			30~1000	1.17	-68.05	≤-18.83	PASS
			1000~26500	1.17	-47.14	≤-18.83	PASS
11G	Ant1	2412	Reference	-4.08	-4.08	---	PASS
			30~1000	-4.08	-68.21	≤-24.08	PASS
			1000~26500	-4.08	-46.25	≤-24.08	PASS
		2437	Reference	-3.40	-3.40	---	PASS
			30~1000	-3.40	-67.71	≤-23.4	PASS
			1000~26500	-3.40	-46.77	≤-23.4	PASS
		2462	Reference	-3.44	-3.44	---	PASS
			30~1000	-3.44	-68.57	≤-23.44	PASS
			1000~26500	-3.44	-46.68	≤-23.44	PASS
11N20SISO	Ant1	2412	Reference	-3.99	-3.99	---	PASS
			30~1000	-3.99	-68.08	≤-23.99	PASS
			1000~26500	-3.99	-46.76	≤-23.99	PASS
		2437	Reference	-3.57	-3.57	---	PASS
			30~1000	-3.57	-68.2	≤-23.57	PASS
			1000~26500	-3.57	-46.96	≤-23.57	PASS
		2462	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-55.71	≤-24.38	PASS
			1000~26500	-4.38	-47.53	≤-24.38	PASS
11N40SISO	Ant1	2422	Reference	-6.68	-6.68	---	PASS
			30~1000	-6.68	-68.26	≤-26.68	PASS
			1000~26500	-6.68	-46.58	≤-26.68	PASS
		2437	Reference	-7.11	-7.11	---	PASS
			30~1000	-7.11	-67.91	≤-27.11	PASS
			1000~26500	-7.11	-46.31	≤-27.11	PASS
		2452	Reference	-7.09	-7.09	---	PASS
			30~1000	-7.09	-68.41	≤-27.09	PASS
			1000~26500	-7.09	-46.55	≤-27.09	PASS

Test Graphs

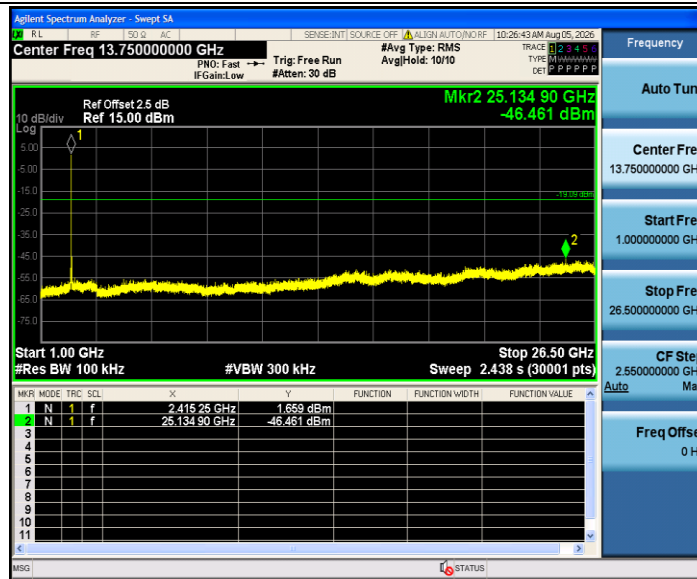
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



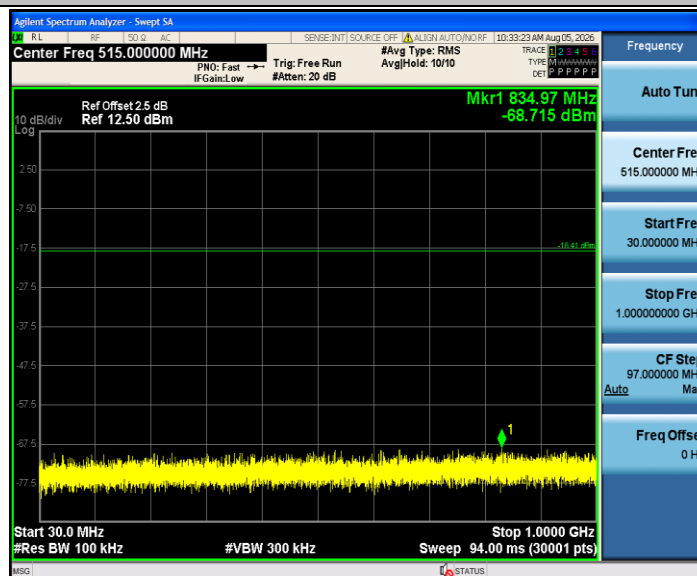
11B_Ant1_2412_1000~26500



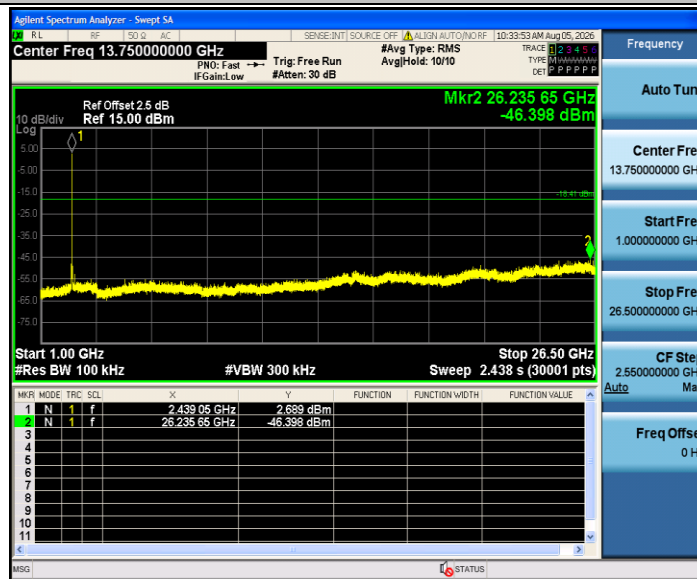
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



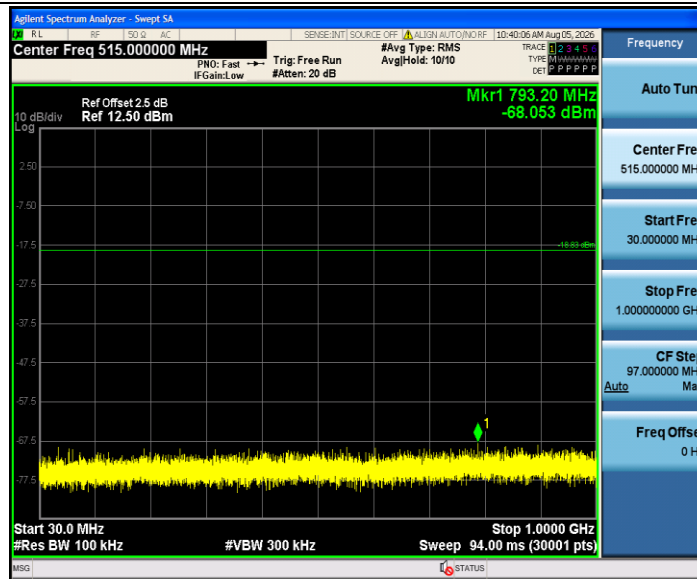
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



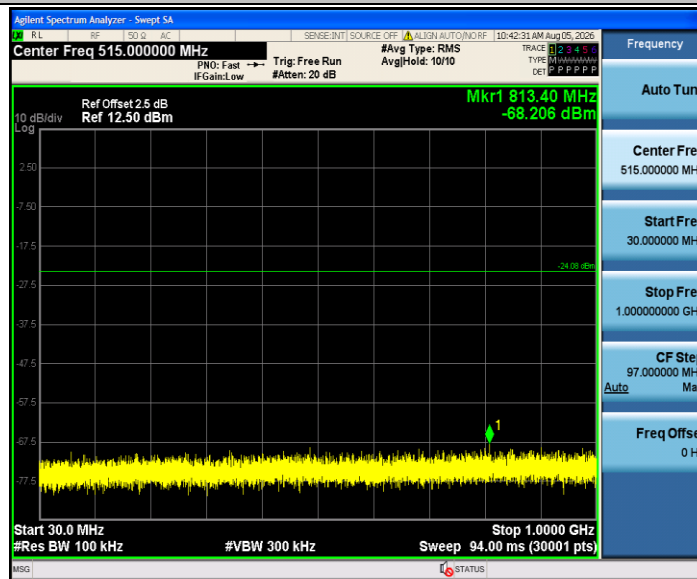
11B_Ant1_2462_1000~26500



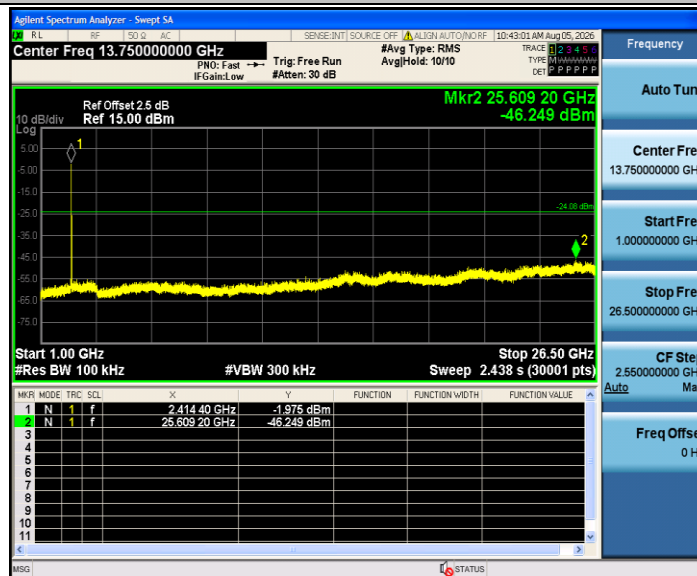
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



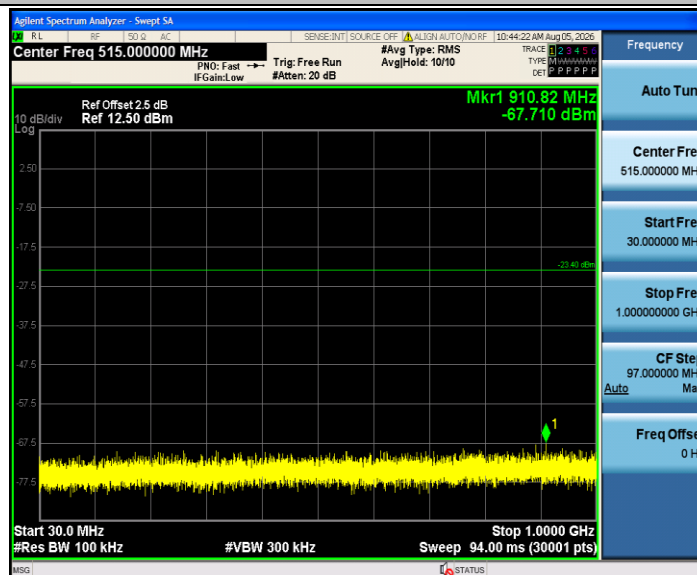
11G_Ant1_2412_1000~26500



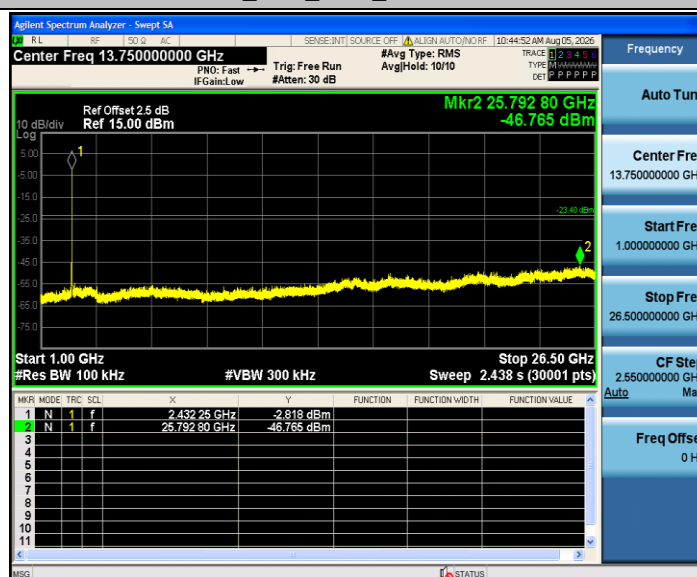
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



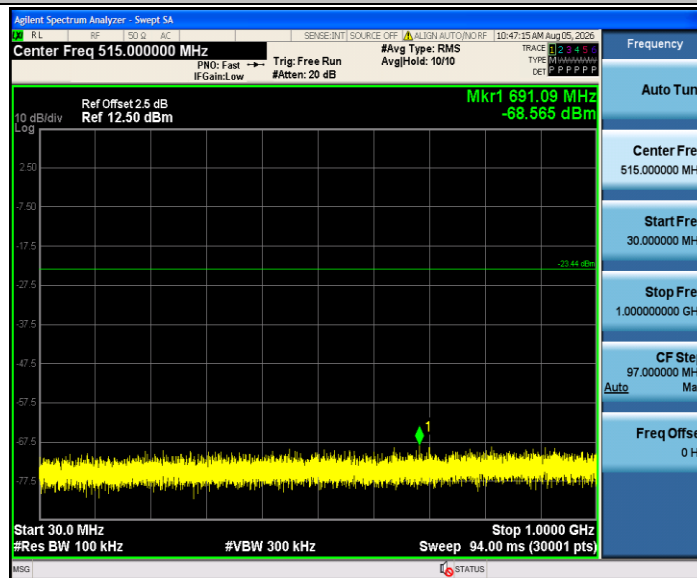
11G_Ant1_2437_1000~26500



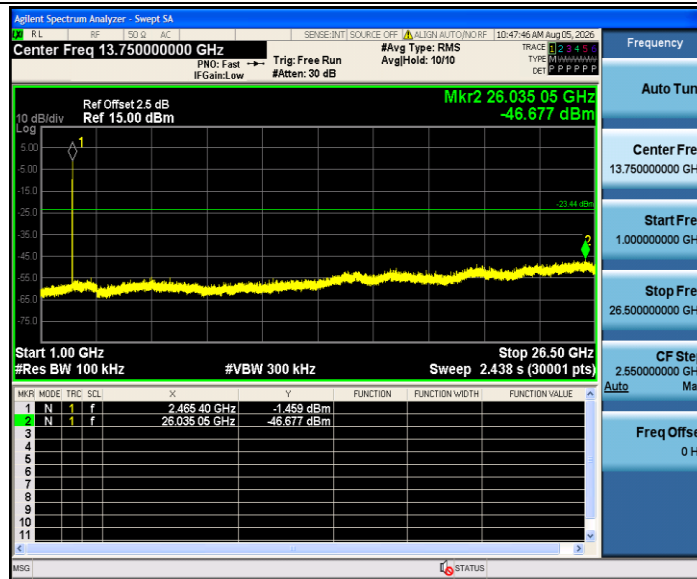
11G_Ant1_2462_0~Reference



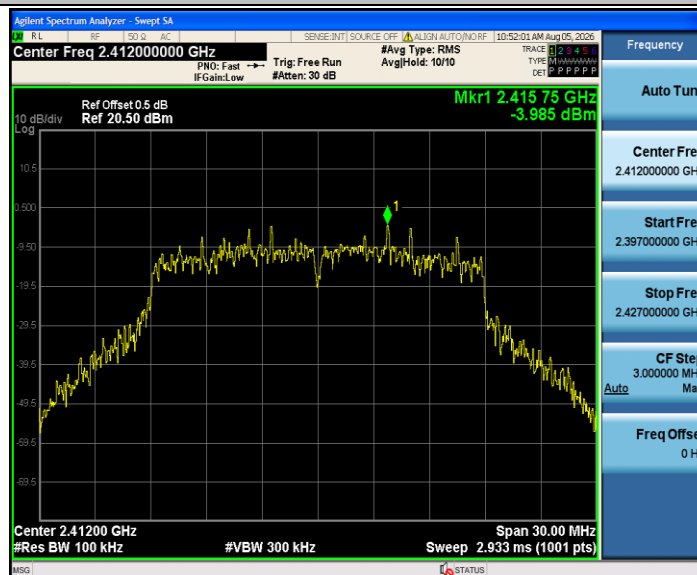
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

