

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2A2P5-ODC610

Company : Acer Gadget Inc.

EUT : Dash cam

Model Number : ODC610

Report No. : CTA26031900301

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	10.200	2431.960	2442.160	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.520	2404.160	2419.680	0.5	PASS
		2437	15.880	2429.080	2444.960	0.5	PASS
		2462	15.480	2454.400	2469.880	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.520	2420.440	0.5	PASS
		2437	16.680	2428.520	2445.200	0.5	PASS
		2462	17.160	2453.440	2470.600	0.5	PASS
11N40SISO	Ant1	2422	35.840	2404.320	2440.160	0.5	PASS
		2437	33.120	2420.600	2453.720	0.5	PASS
		2452	35.680	2434.160	2469.840	0.5	PASS

Test Graphs

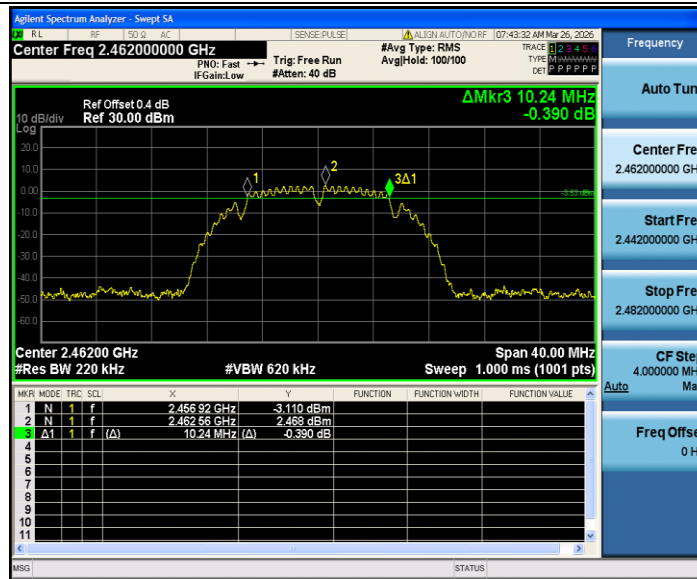
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



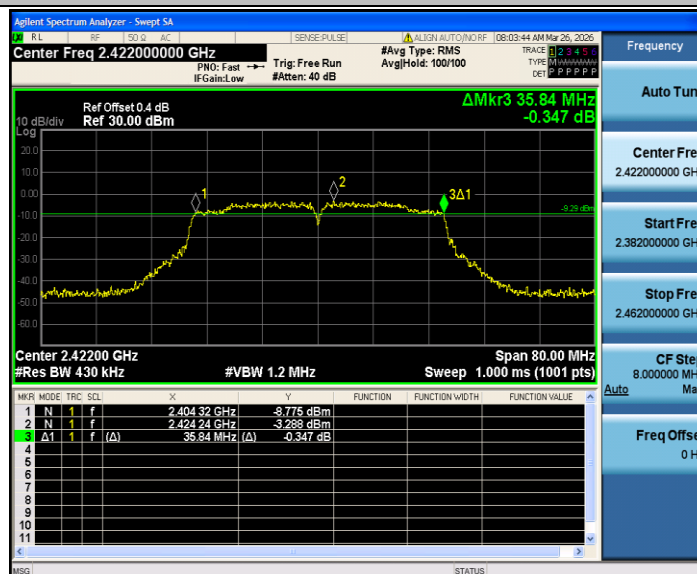
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



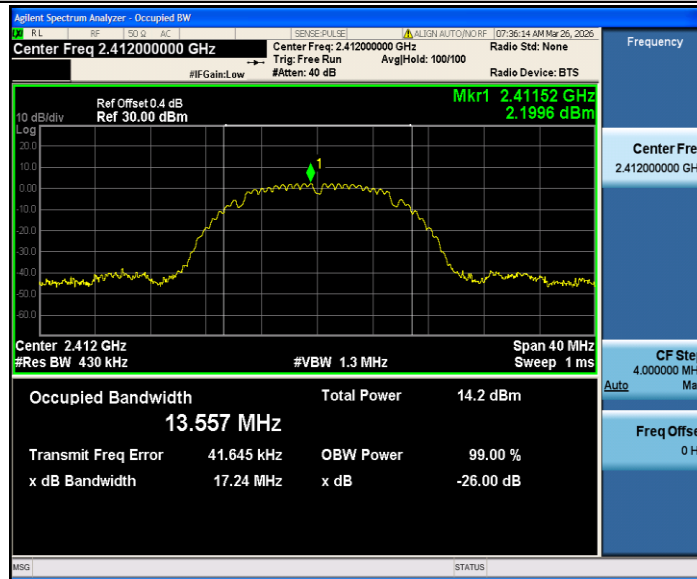
Appendix B: Occupied Channel Bandwidth

Test Result

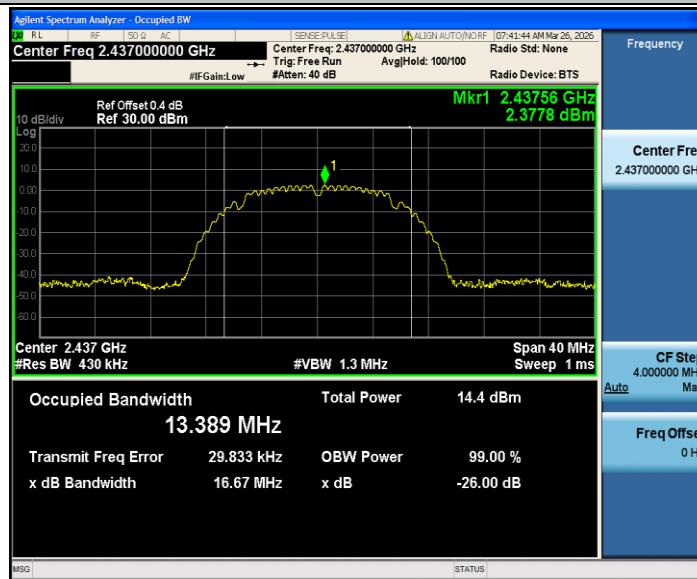
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.557	2405.2632	2418.8202	---	---
		2437	13.389	2430.3353	2443.7243	---	---
		2462	13.411	2455.3087	2468.7197	---	---
11G	Ant1	2412	16.864	2403.6616	2420.5256	---	---
		2437	16.878	2428.6015	2445.4795	---	---
		2462	16.820	2453.6328	2470.4528	---	---
11N20SISO	Ant1	2412	17.931	2403.0624	2420.9934	---	---
		2437	17.881	2428.0929	2445.9739	---	---
		2462	17.862	2453.0747	2470.9367	---	---
11N40SISO	Ant1	2422	36.056	2404.0270	2440.0830	---	---
		2437	35.999	2419.1014	2455.1004	---	---
		2452	36.095	2434.0310	2470.1260	---	---

Test Graphs

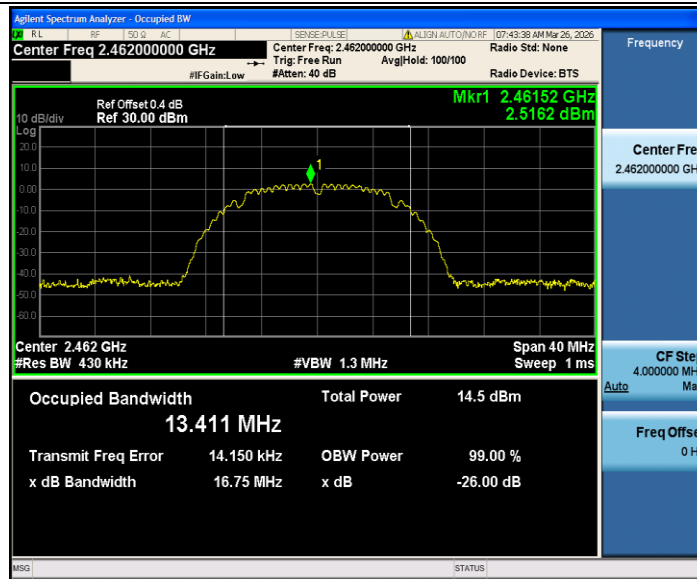
11B_Ant1_2412



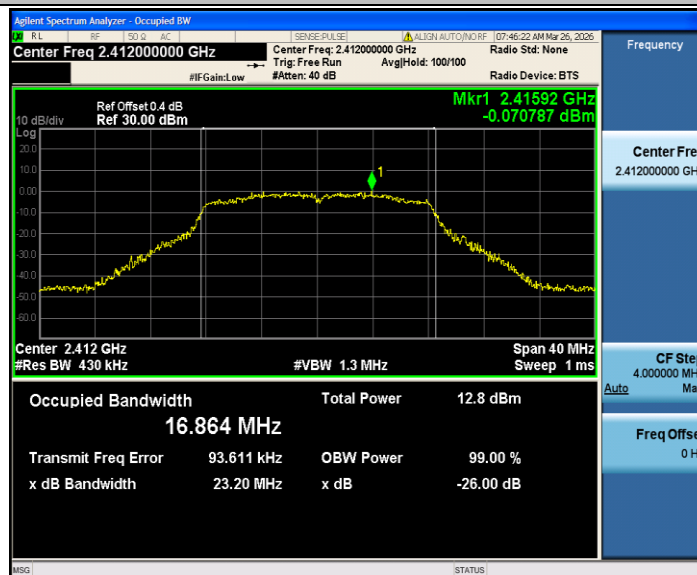
11B_Ant1_2437



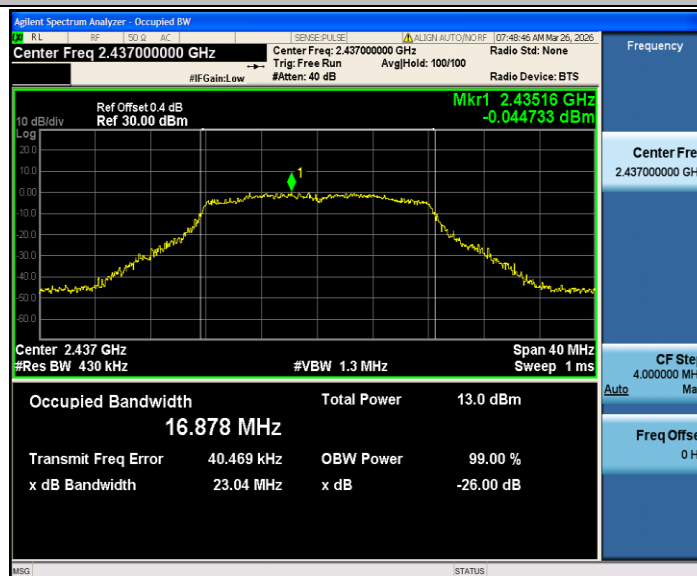
11B_Ant1_2462



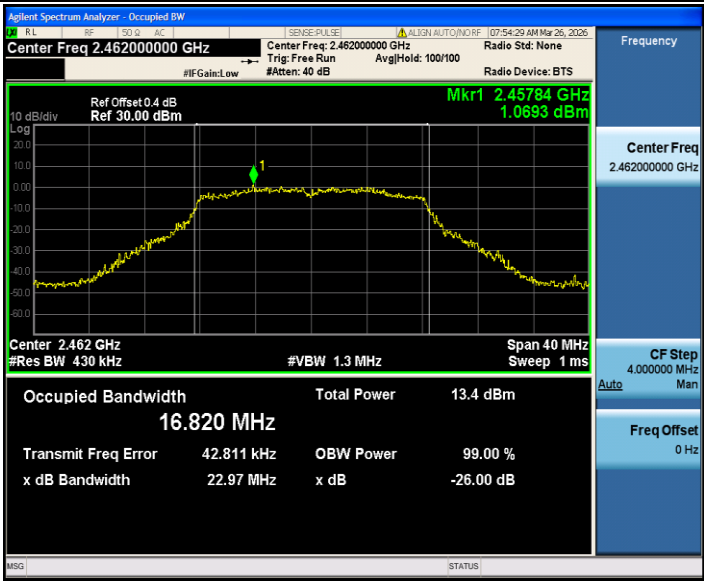
11G_Ant1_2412



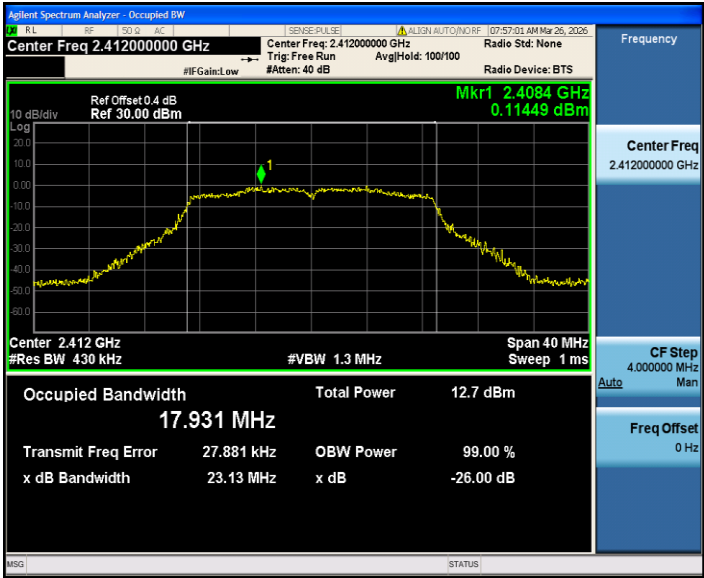
11G_Ant1_2437



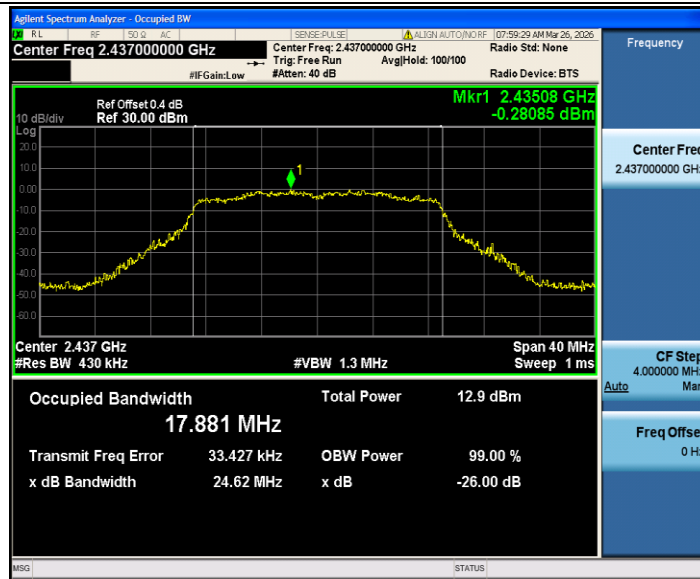
11G_Ant1_2462



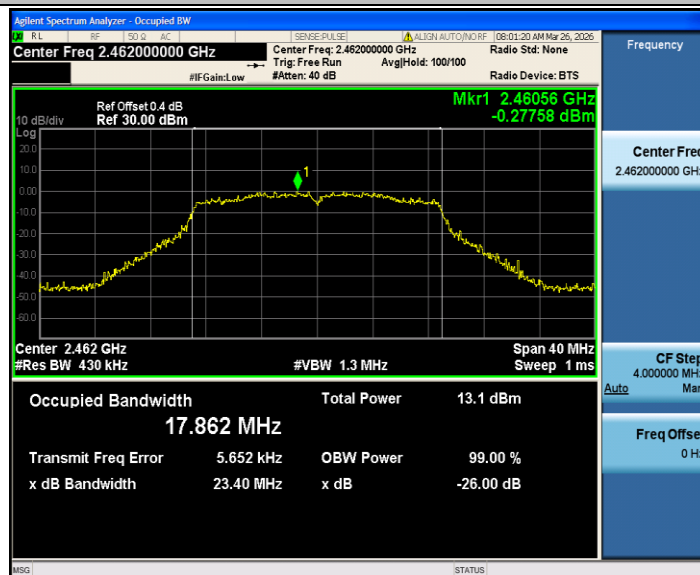
11N20SISO_Ant1_2412



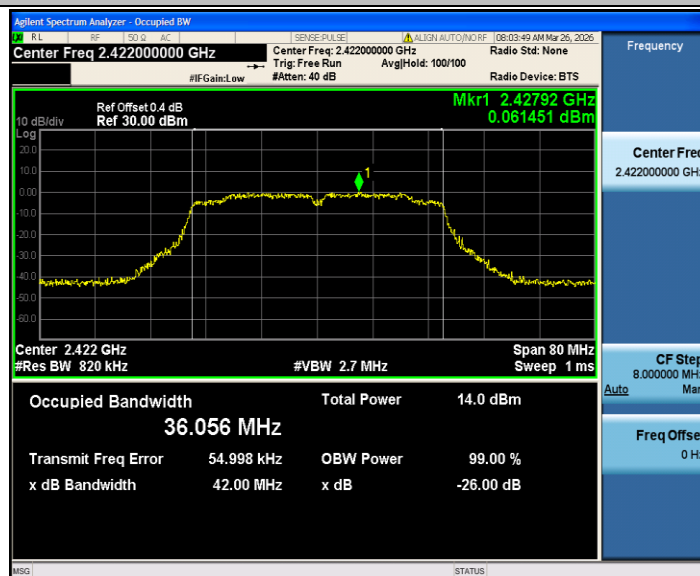
11N20SISO_Ant1_2437



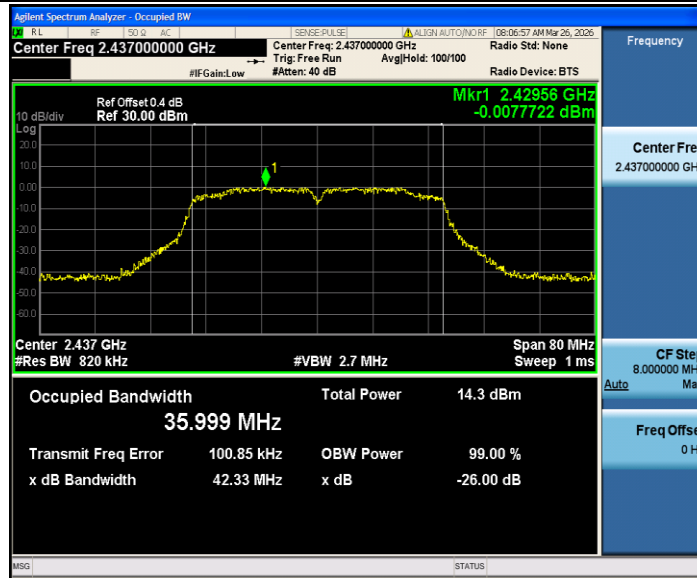
11N20SISO_Ant1_2462



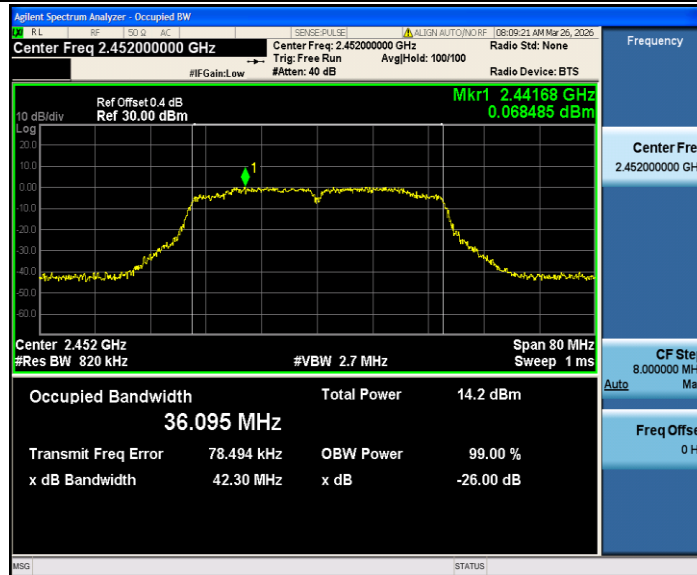
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.93	≤30.00	PASS
		2437	14.09	≤30.00	PASS
		2462	14.26	≤30.00	PASS
11G	Ant1	2412	13.75	≤30.00	PASS
		2437	14.06	≤30.00	PASS
		2462	14.18	≤30.00	PASS
11N20SISO	Ant1	2412	13.63	≤30.00	PASS
		2437	13.81	≤30.00	PASS
		2462	14.01	≤30.00	PASS
11N40SISO	Ant1	2422	13.97	≤30.00	PASS
		2437	14.25	≤30.00	PASS
		2452	14.32	≤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	-12.34	≤8.00	PASS
		2437	-12.12	≤8.00	PASS
		2462	-11.88	≤8.00	PASS
11G	Ant1	2412	-17.49	≤8.00	PASS
		2437	-17.66	≤8.00	PASS
		2462	-17.98	≤8.00	PASS
11N20SISO	Ant1	2412	-17.52	≤8.00	PASS
		2437	-16.93	≤8.00	PASS
		2462	-17.74	≤8.00	PASS
11N40SISO	Ant1	2422	-21.10	≤8.00	PASS
		2437	-19.77	≤8.00	PASS
		2452	-19.60	≤8.00	PASS

Test Graphs

11B_Ant1_2412



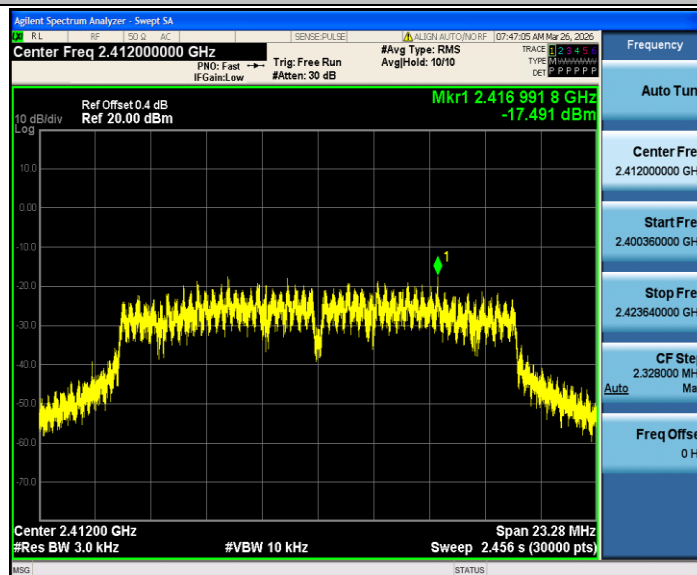
11B_Ant1_2437



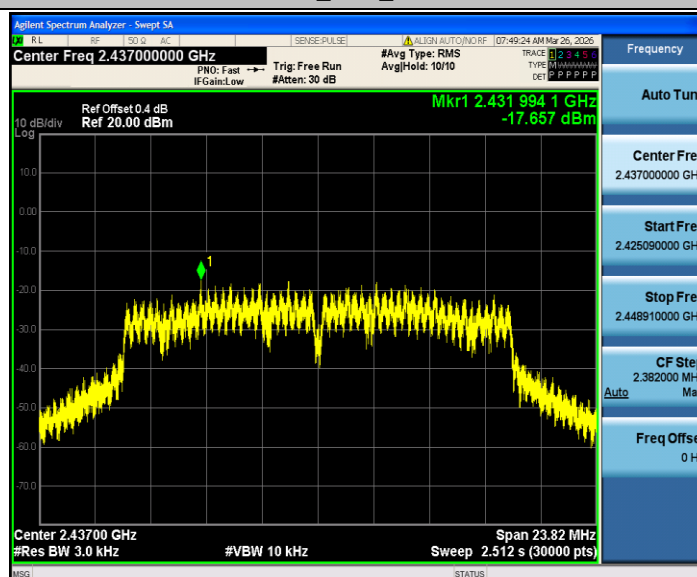
11B_Ant1_2462



11G_Ant1_2412



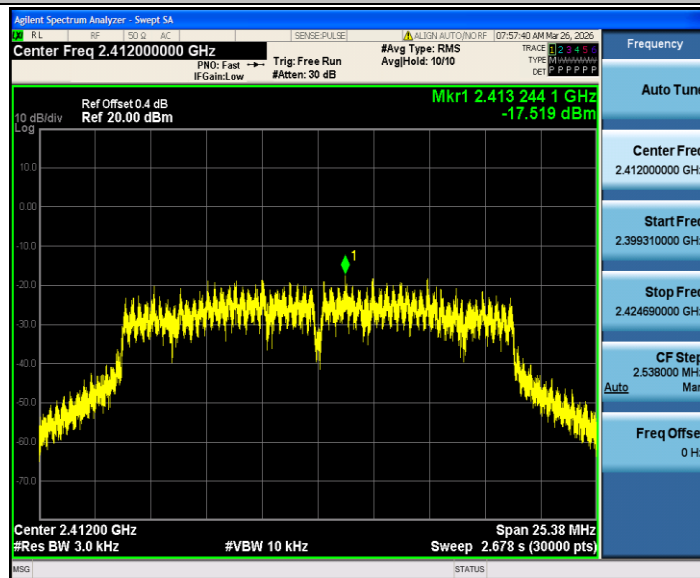
11G_Ant1_2437



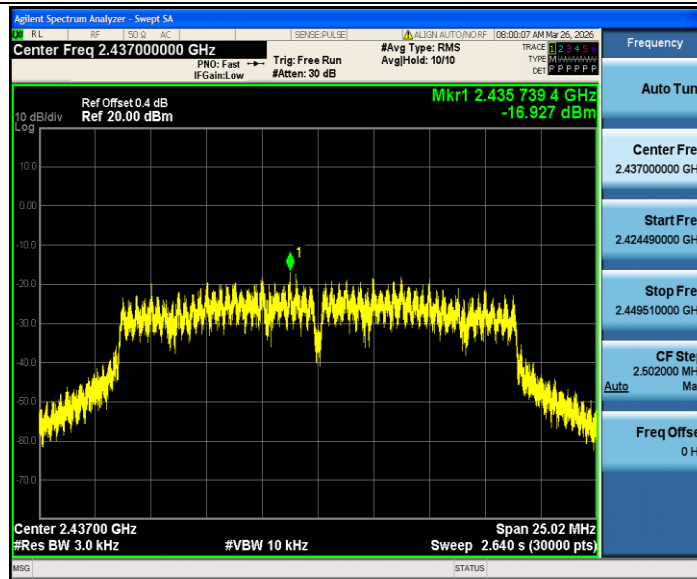
11G_Ant1_2462



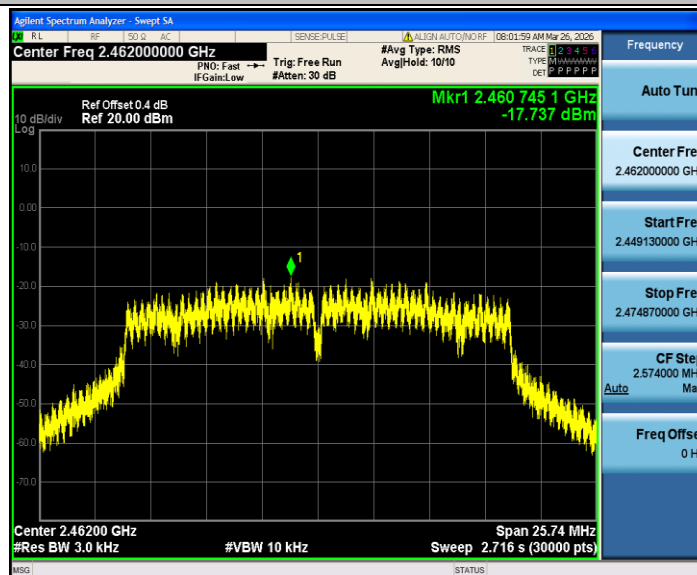
11N20SISO_Ant1_2412



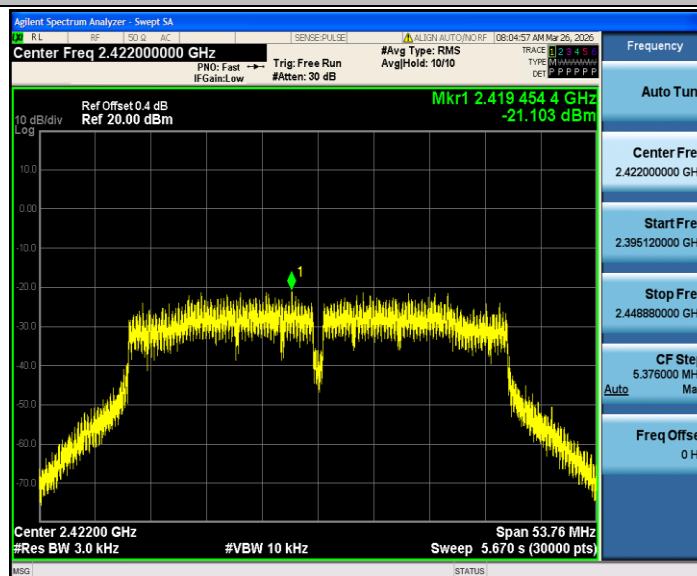
11N20SISO_Ant1_2437



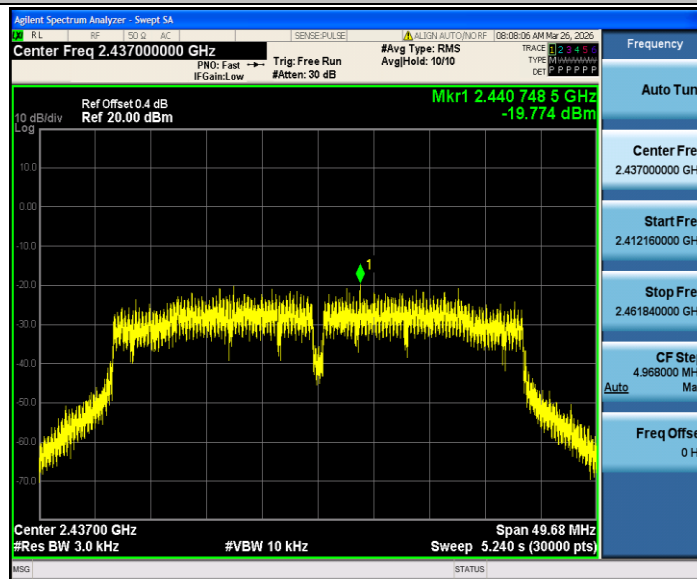
11N20SISO_Ant1_2462



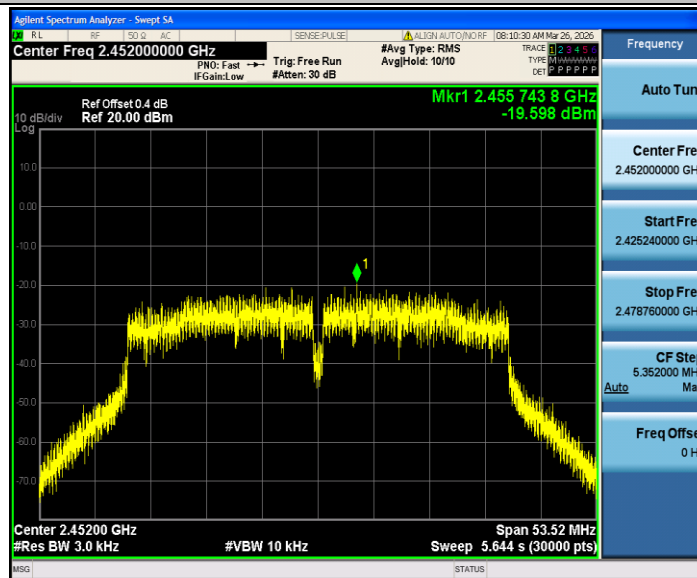
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



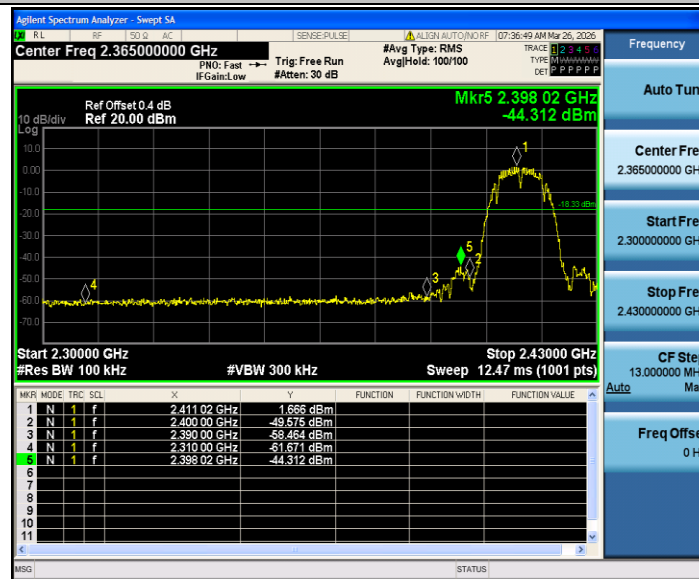
Appendix E: Band edge measurements

Test Result

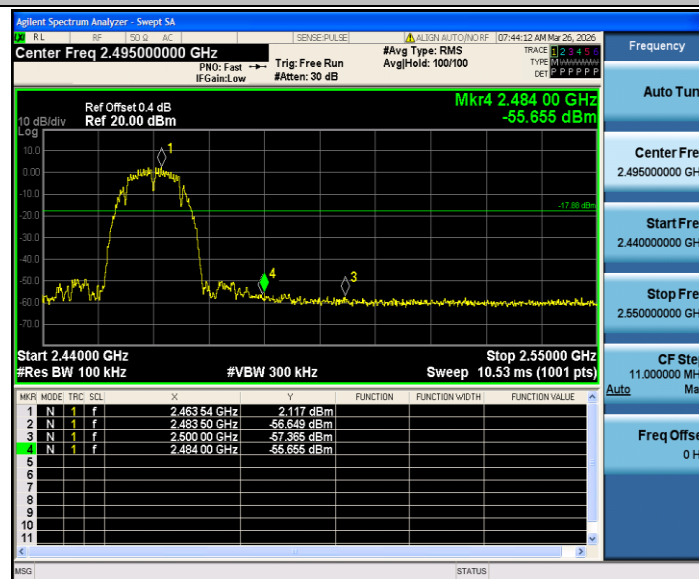
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.67	-44.31	≤-18.33	PASS
		High	2462	2.12	-55.66	≤-17.88	PASS
11G	Ant1	Low	2412	-2.75	-33.67	≤-22.75	PASS
		High	2462	-2.36	-57.52	≤-22.36	PASS
11N20SISO	Ant1	Low	2412	-2.67	-33.87	≤-22.67	PASS
		High	2462	-2.24	-57.43	≤-22.24	PASS
11N40SISO	Ant1	Low	2422	-5.95	-34.52	≤-25.95	PASS
		High	2452	-5.73	-57.38	≤-25.73	PASS

Test Graphs

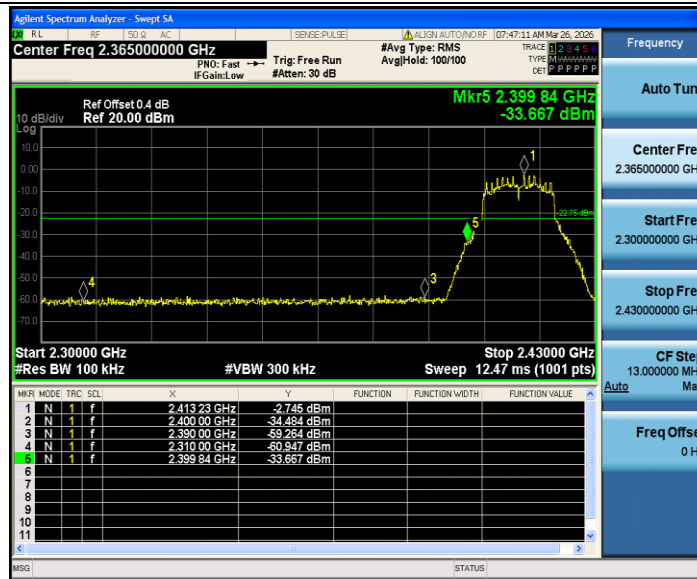
11B_Ant1_Low_2412



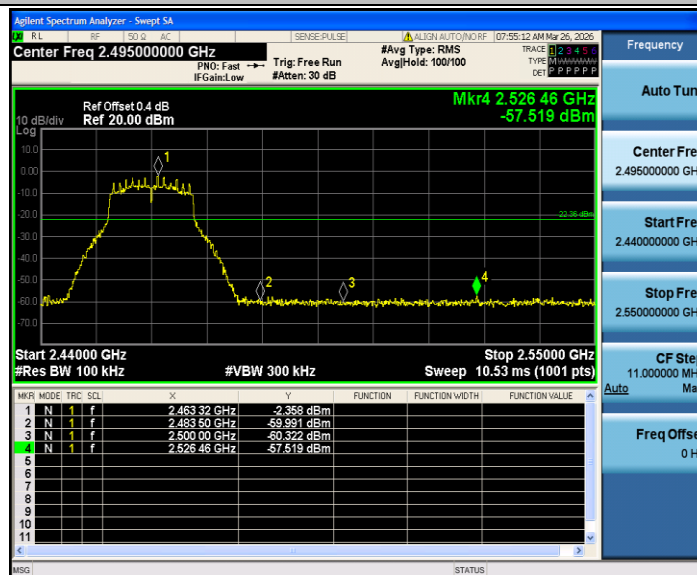
11B_Ant1_High_2462



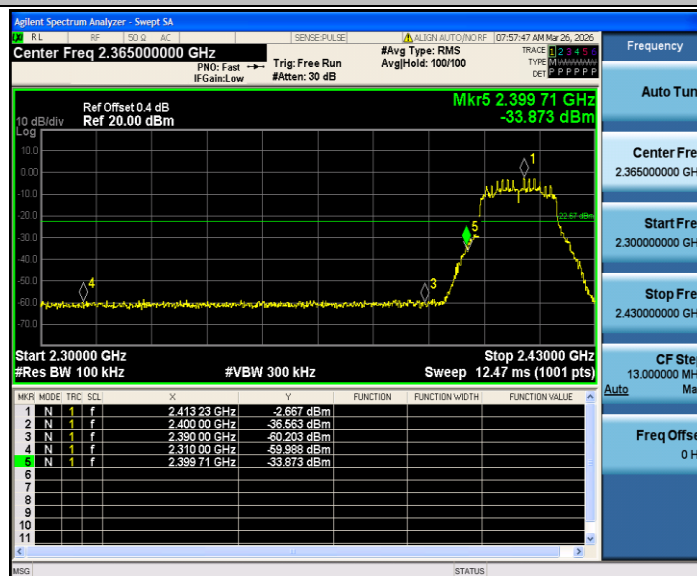
11G_Ant1_Low_2412



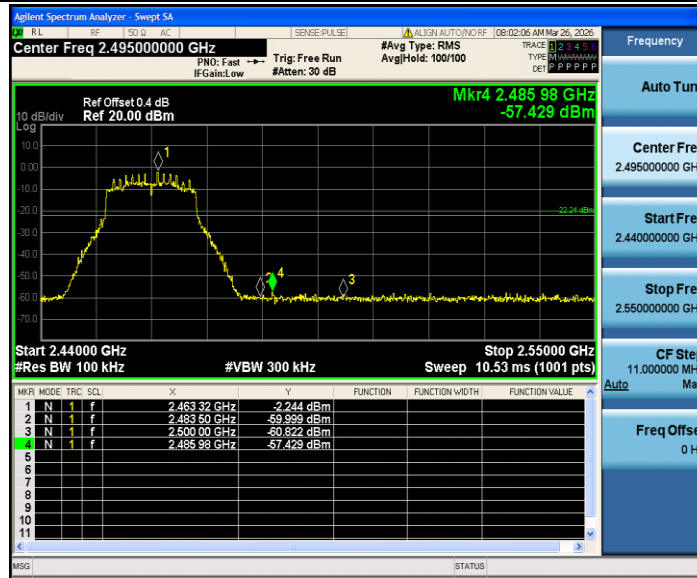
11G_Ant1_High_2462



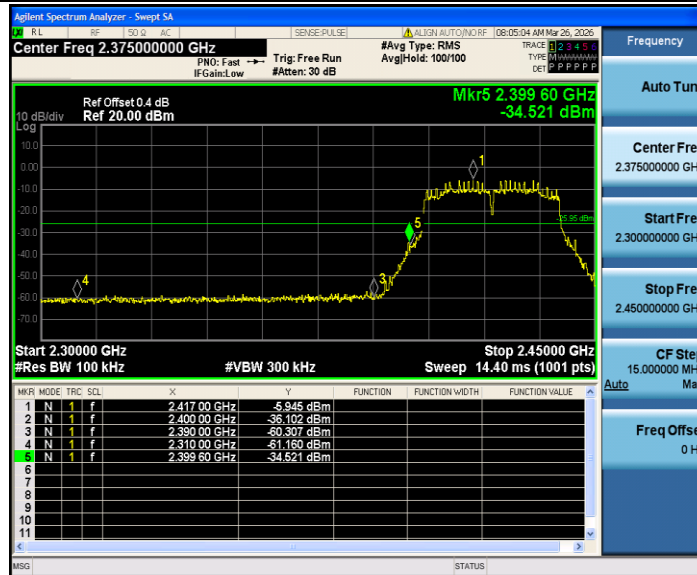
11N20SISO_Ant1_Low_2412



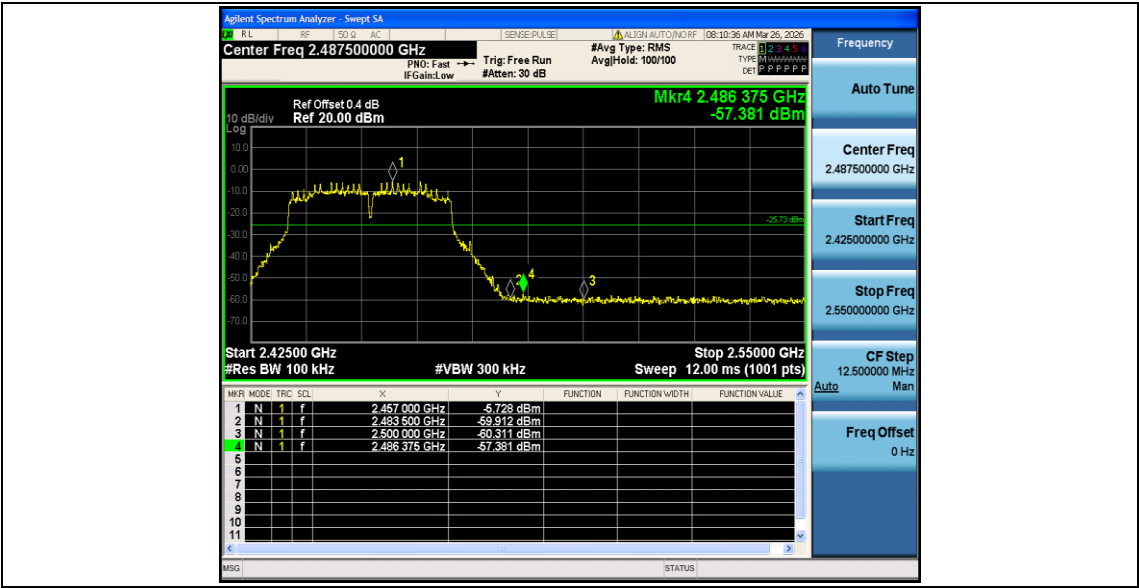
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

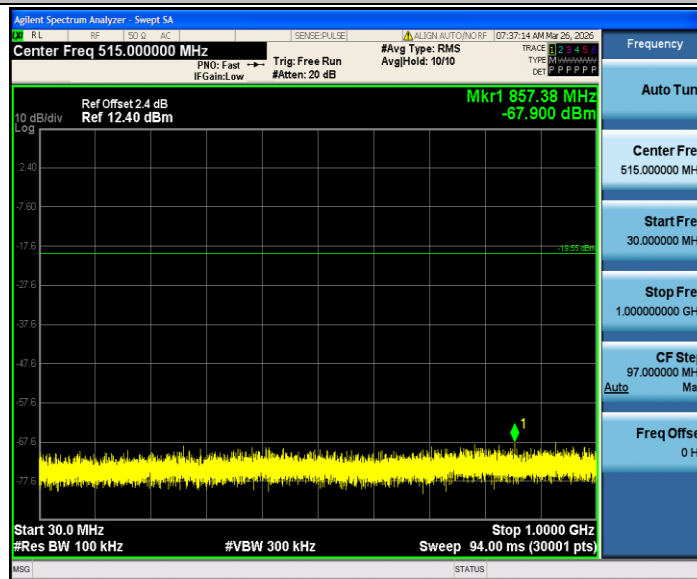
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.45	0.45	---	PASS
			30~1000	0.45	-67.9	≤-19.55	PASS
			1000~26500	0.45	-55.34	≤-19.55	PASS
		2437	Reference	0.73	0.73	---	PASS
			30~1000	0.73	-67.39	≤-19.27	PASS
			1000~26500	0.73	-53.79	≤-19.27	PASS
		2462	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-68.2	≤-19.45	PASS
			1000~26500	0.55	-55.26	≤-19.45	PASS
11G	Ant1	2412	Reference	-2.65	-2.65	---	PASS
			30~1000	-2.65	-67.52	≤-22.65	PASS
			1000~26500	-2.65	-55.08	≤-22.65	PASS
		2437	Reference	-2.98	-2.98	---	PASS
			30~1000	-2.98	-67.93	≤-22.98	PASS
			1000~26500	-2.98	-55.05	≤-22.98	PASS
		2462	Reference	-3.58	-3.58	---	PASS
			30~1000	-3.58	-68.16	≤-23.58	PASS
			1000~26500	-3.58	-55.41	≤-23.58	PASS
11N20SISO	Ant1	2412	Reference	-3.48	-3.48	---	PASS
			30~1000	-3.48	-67.51	≤-23.48	PASS
			1000~26500	-3.48	-55.16	≤-23.48	PASS
		2437	Reference	-2.96	-2.96	---	PASS
			30~1000	-2.96	-68.37	≤-22.96	PASS
			1000~26500	-2.96	-55.42	≤-22.96	PASS
		2462	Reference	-2.81	-2.81	---	PASS
			30~1000	-2.81	-68.21	≤-22.81	PASS
			1000~26500	-2.81	-54.86	≤-22.81	PASS
11N40SISO	Ant1	2422	Reference	-6.21	-6.21	---	PASS
			30~1000	-6.21	-67.73	≤-26.21	PASS
			1000~26500	-6.21	-54.98	≤-26.21	PASS
		2437	Reference	-5.85	-5.85	---	PASS
			30~1000	-5.85	-67.69	≤-25.85	PASS
			1000~26500	-5.85	-55.56	≤-25.85	PASS
		2452	Reference	-6.15	-6.15	---	PASS
			30~1000	-6.15	-67.51	≤-26.15	PASS
			1000~26500	-6.15	-55.09	≤-26.15	PASS

Test Graphs

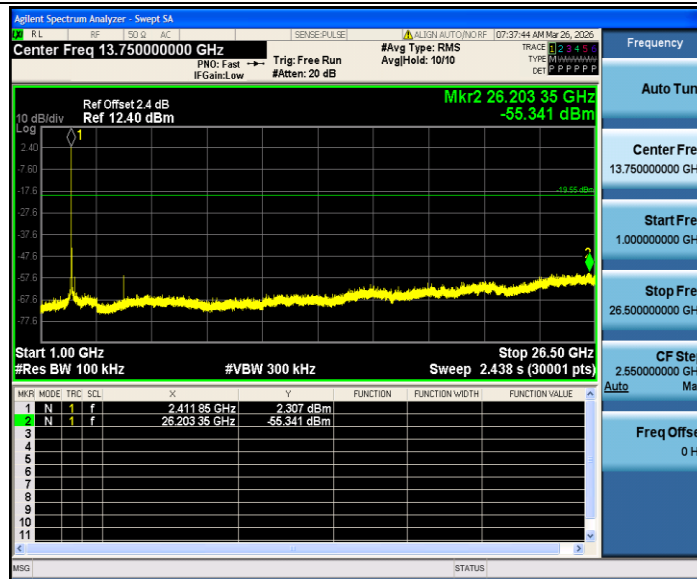
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



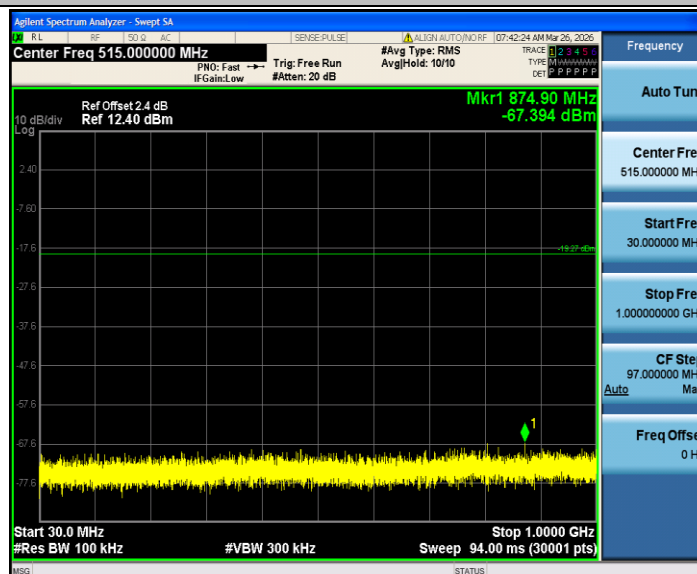
11B_Ant1_2412_1000~26500



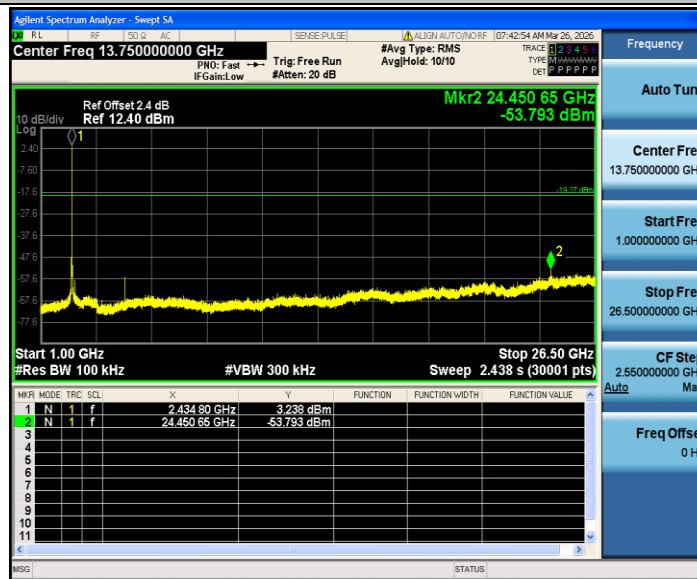
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



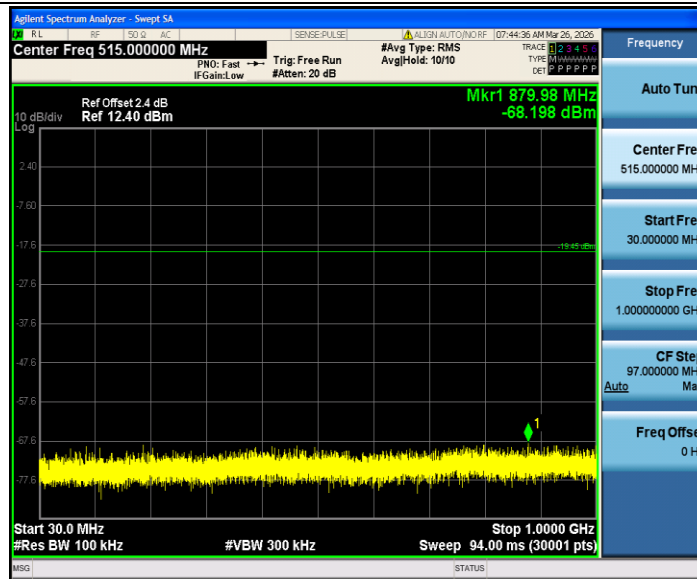
11B_Ant1_2437_1000~26500



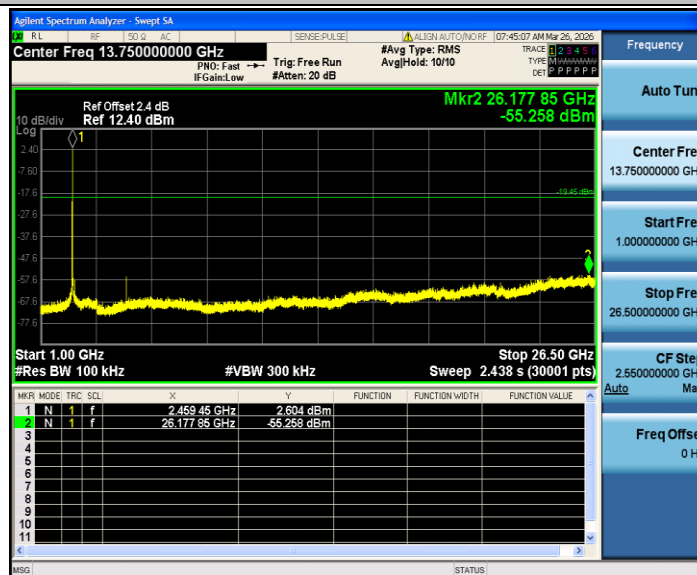
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



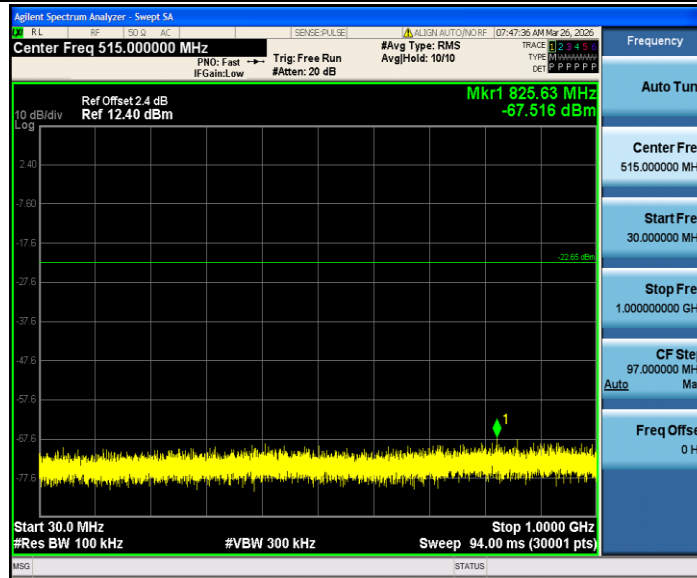
11B_Ant1_2462_1000~26500



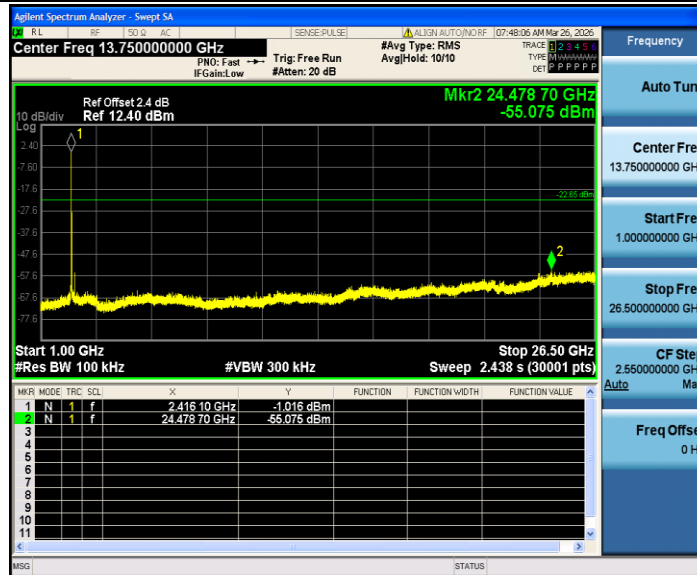
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



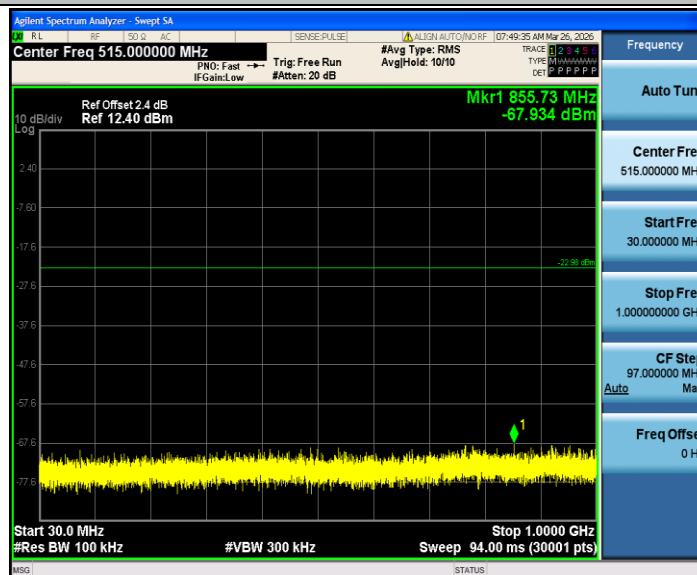
11G_Ant1_2412_1000~26500



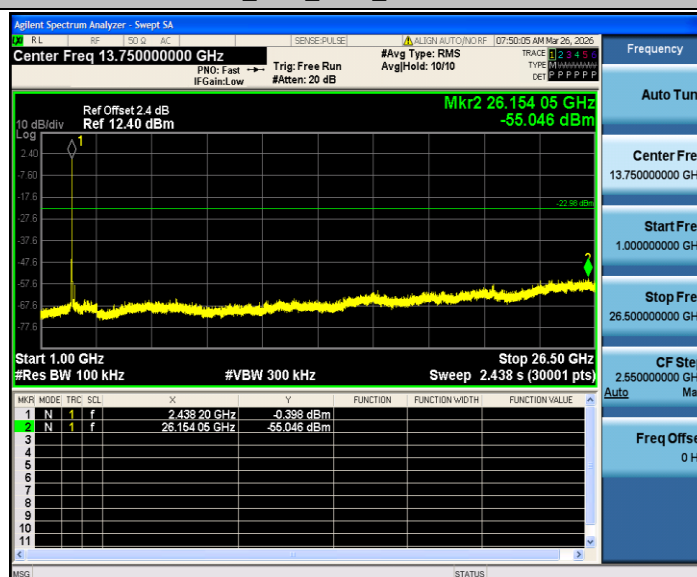
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



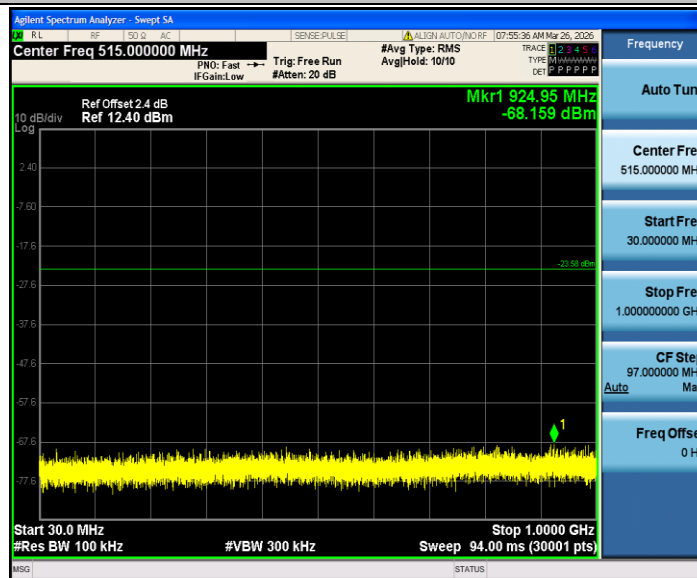
11G_Ant1_2437_1000~26500



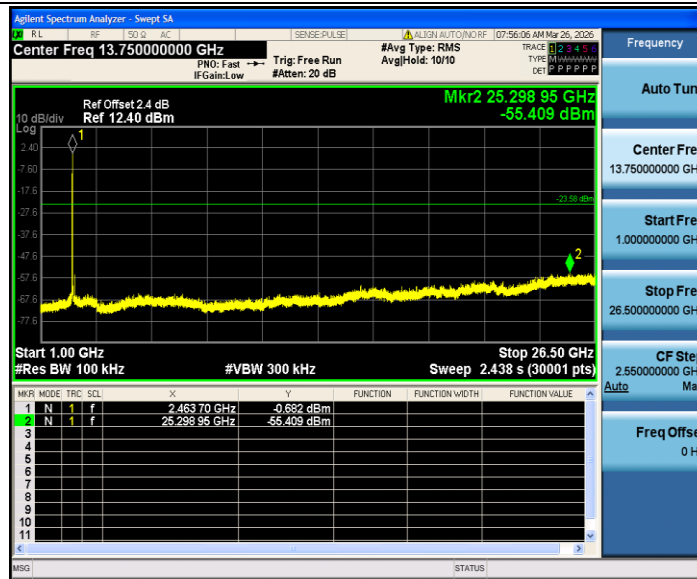
11G_Ant1_2462_0~Reference



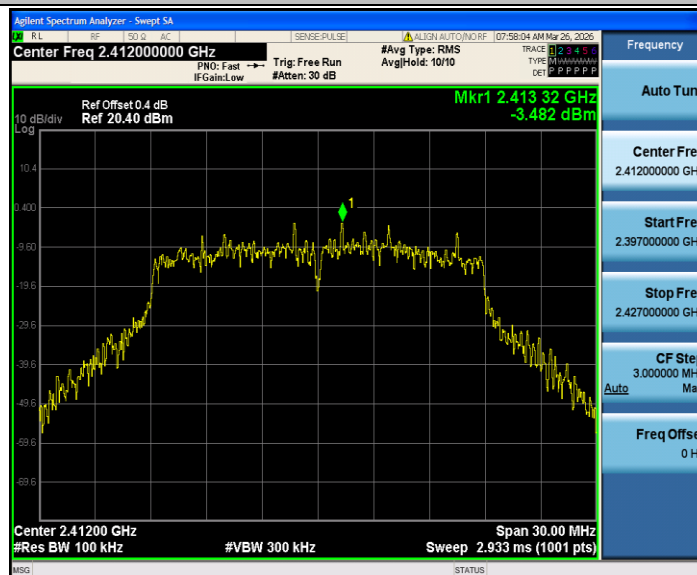
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

