

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2A3DR-AGMP3

Company : AGM MOBILE LIMITED

EUT : 4G smart PAD Tablet

Model Number : AGM_P3_COMPACT

Report No. : CTA26040100317

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	15.520	2404.400	2419.920	0.5	PASS
		2437	15.520	2429.440	2444.960	0.5	PASS
		2462	15.760	2454.200	2469.960	0.5	PASS
11N20SISO	Ant1	2412	15.720	2404.000	2419.720	0.5	PASS
		2437	17.120	2428.480	2445.600	0.5	PASS
		2462	17.160	2453.400	2470.560	0.5	PASS
11N40SISO	Ant1	2422	35.520	2404.480	2440.000	0.5	PASS
		2437	35.680	2419.320	2455.000	0.5	PASS
		2452	35.520	2434.240	2469.760	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437





11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



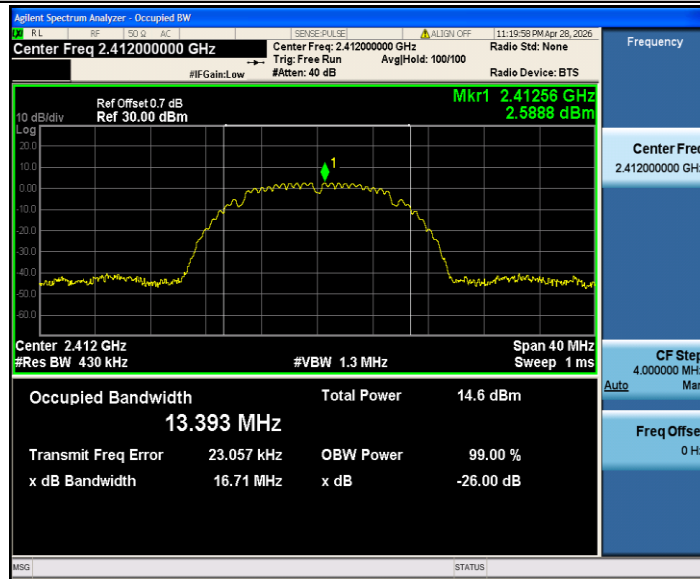
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.393	2405.3266	2418.7196	---	---
		2437	13.388	2430.3188	2443.7068	---	---
		2462	13.423	2455.2967	2468.7197	---	---
11G	Ant1	2412	16.830	2403.6750	2420.5050	---	---
		2437	16.795	2428.5957	2445.3907	---	---
		2462	16.869	2453.5778	2470.4468	---	---
11N20SISO	Ant1	2412	17.882	2403.1078	2420.9898	---	---
		2437	17.899	2428.0773	2445.9763	---	---
		2462	17.868	2453.0939	2470.9619	---	---
11N40SISO	Ant1	2422	36.036	2404.0610	2440.0970	---	---
		2437	36.123	2419.0572	2455.1802	---	---
		2452	36.054	2434.0835	2470.1375	---	---

Test Graphs

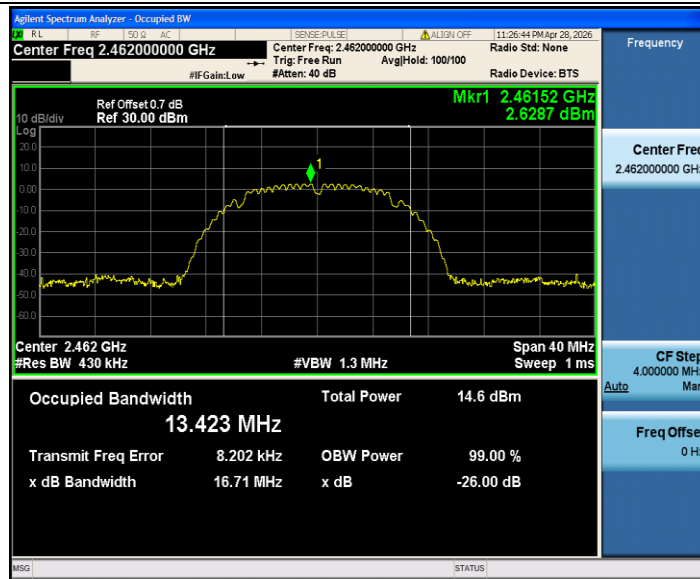
11B_Ant1_2412



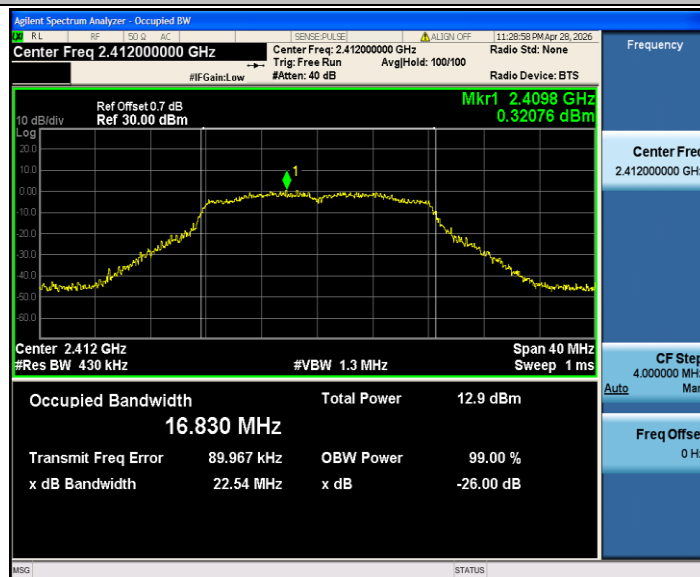
11B_Ant1_2437



11B_Ant1_2462



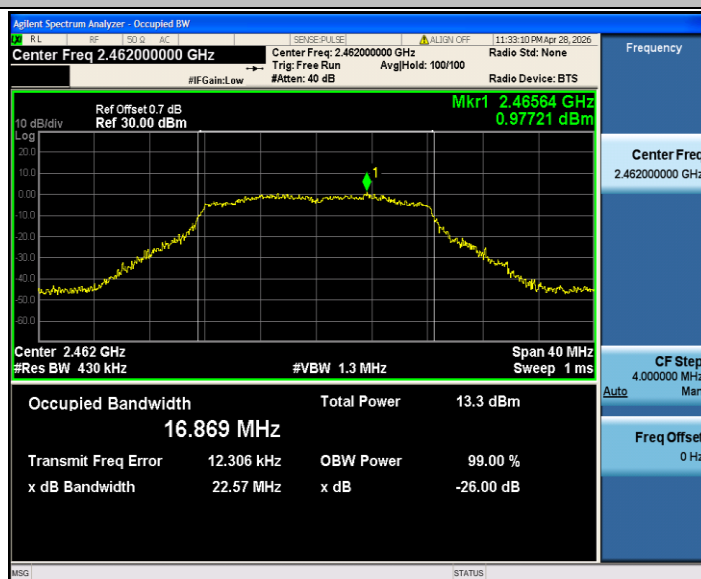
11G_Ant1_2412



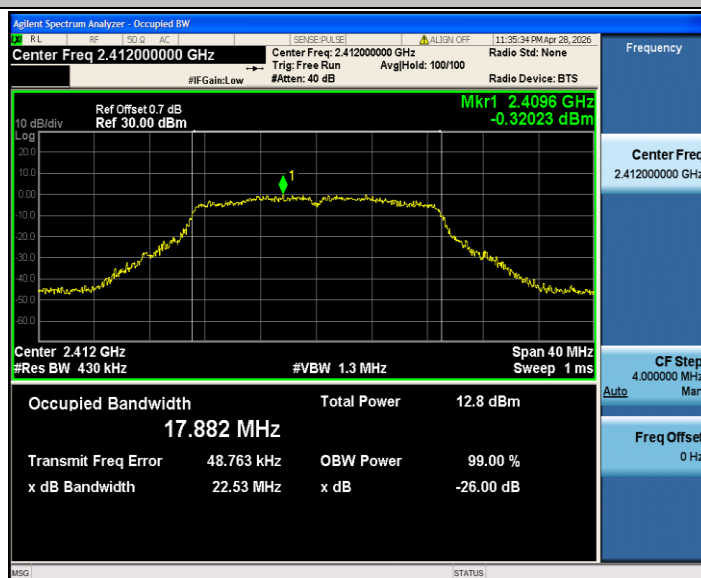
11G_Ant1_2437



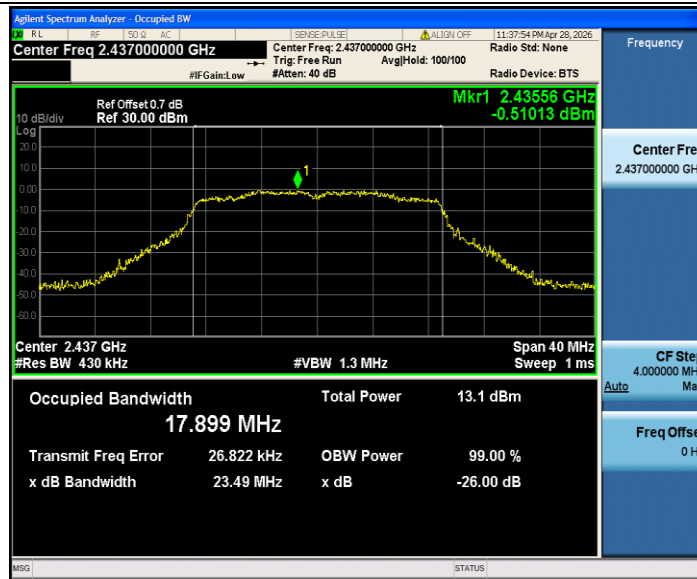
11G_Ant1_2462



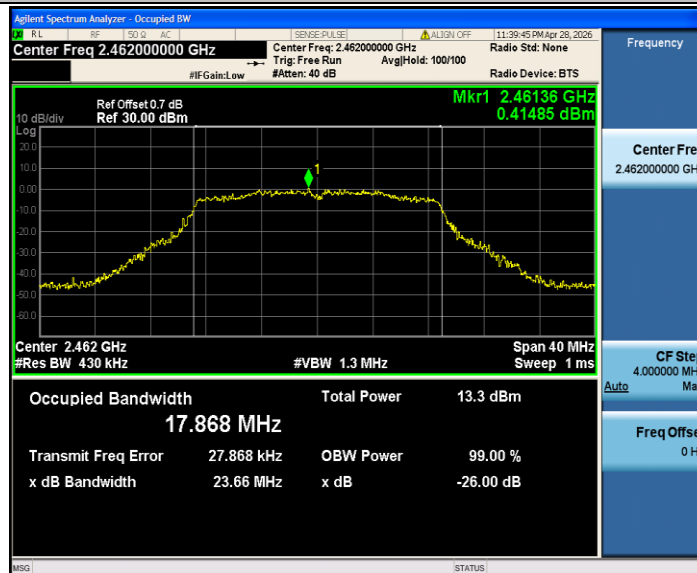
11N20SISO_Ant1_2412



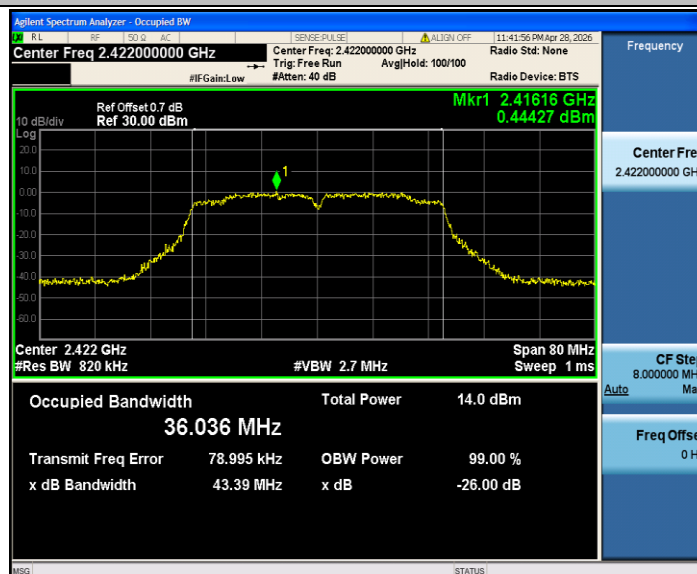
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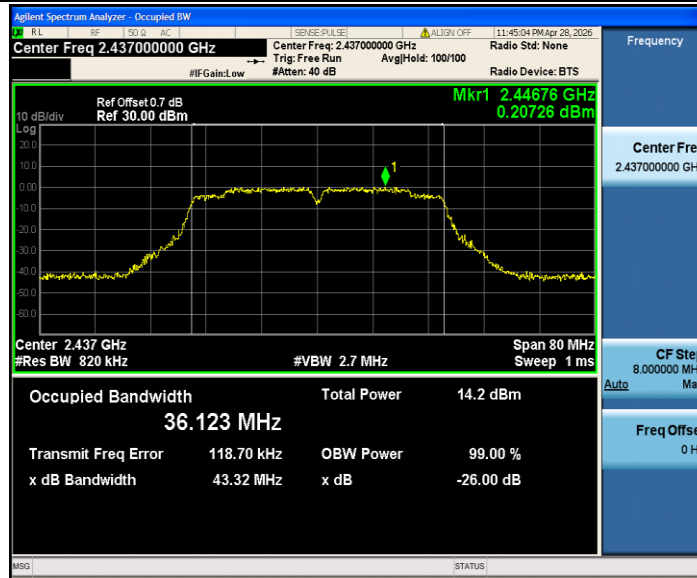
11N20SISO_Ant1_2462



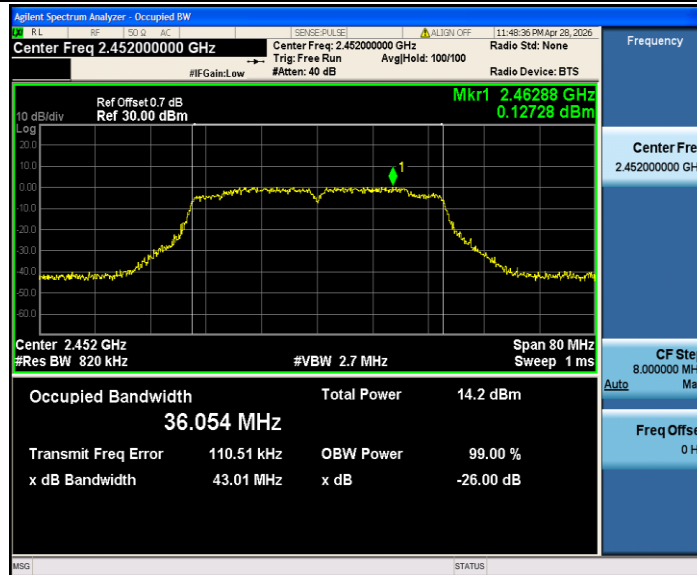
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[M Hz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.24	≤30.00	PASS
		2437	14.46	≤30.00	PASS
		2462	14.27	≤30.00	PASS
11G	Ant1	2412	13.77	≤30.00	PASS
		2437	13.95	≤30.00	PASS
		2462	14.23	≤30.00	PASS
11N20SISO	Ant1	2412	13.59	≤30.00	PASS
		2437	13.98	≤30.00	PASS
		2462	14.14	≤30.00	PASS
11N40SISO	Ant1	2422	14.14	≤30.00	PASS
		2437	14.42	≤30.00	PASS
		2452	14.36	≤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	-12.14	≤8.00	PASS
		2437	-11.52	≤8.00	PASS
		2462	-11.69	≤8.00	PASS
11G	Ant1	2412	-17.28	≤8.00	PASS
		2437	-17.86	≤8.00	PASS
		2462	-17.80	≤8.00	PASS
11N20SISO	Ant1	2412	-17.30	≤8.00	PASS
		2437	-16.91	≤8.00	PASS
		2462	-17.63	≤8.00	PASS
11N40SISO	Ant1	2422	-20.48	≤8.00	PASS
		2437	-20.46	≤8.00	PASS
		2452	-20.44	≤8.00	PASS

Test Graphs

11B_Ant1_2412



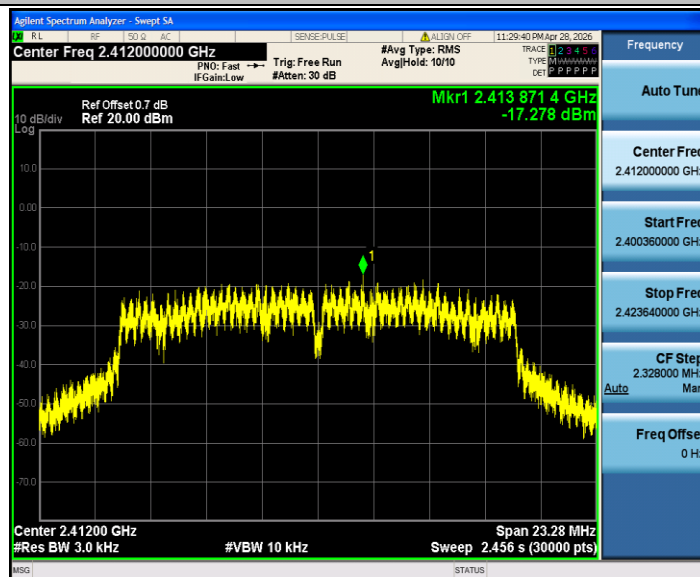
11B_Ant1_2437



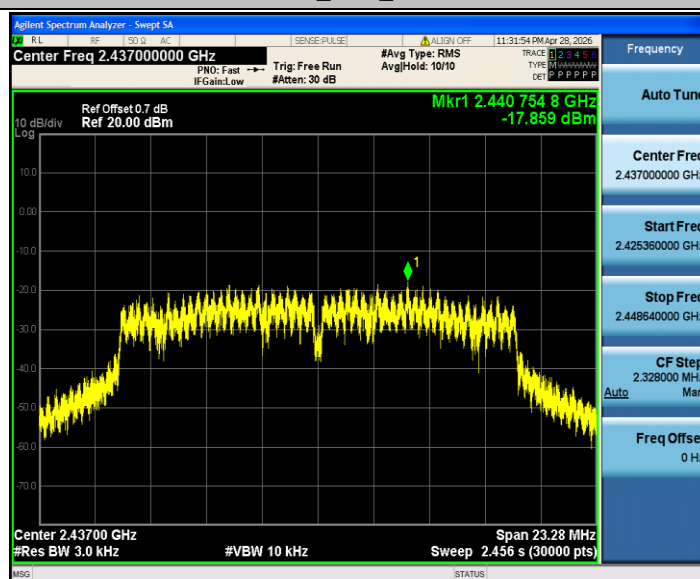
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



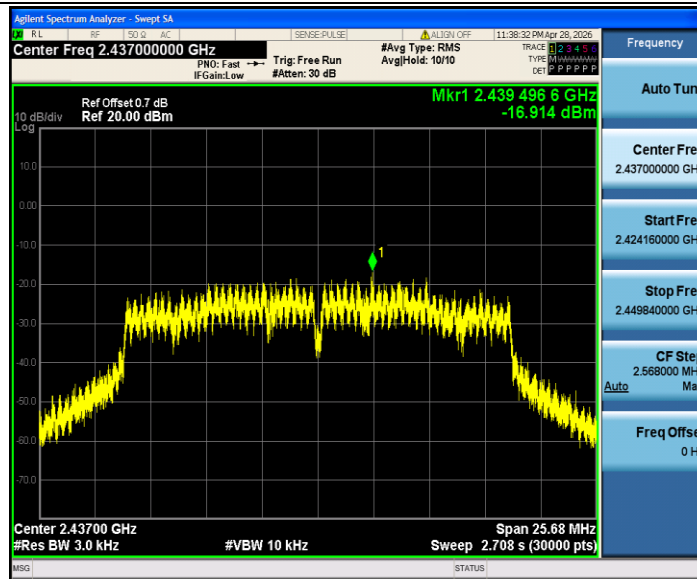
11G_Ant1_2462



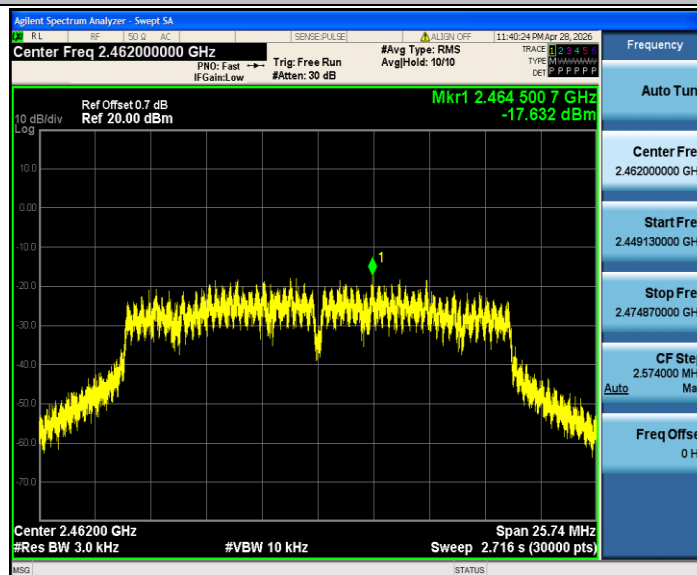
11N20SISO_Ant1_2412



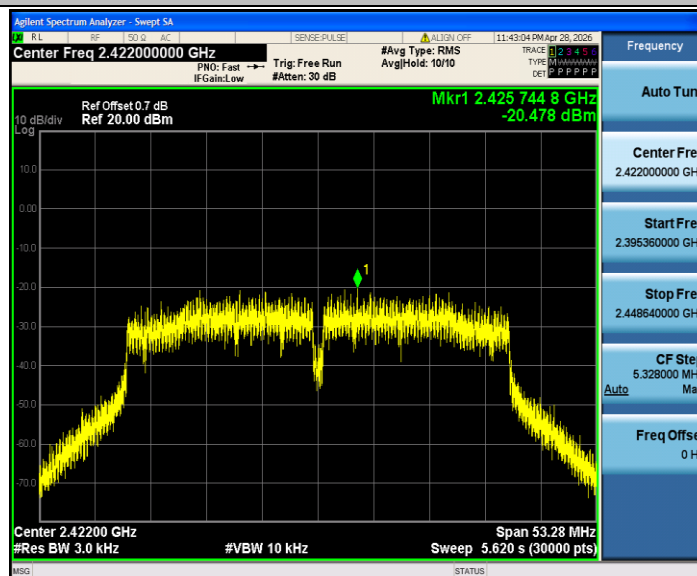
11N20SISO_Ant1_2437



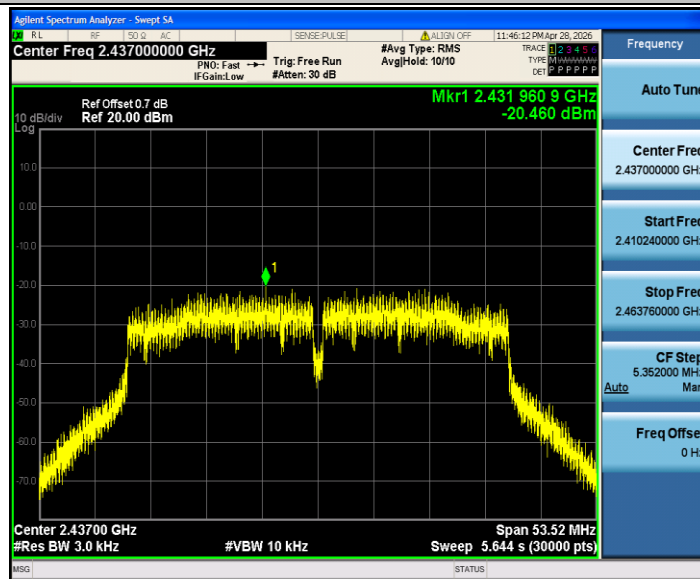
11N20SISO_Ant1_2462



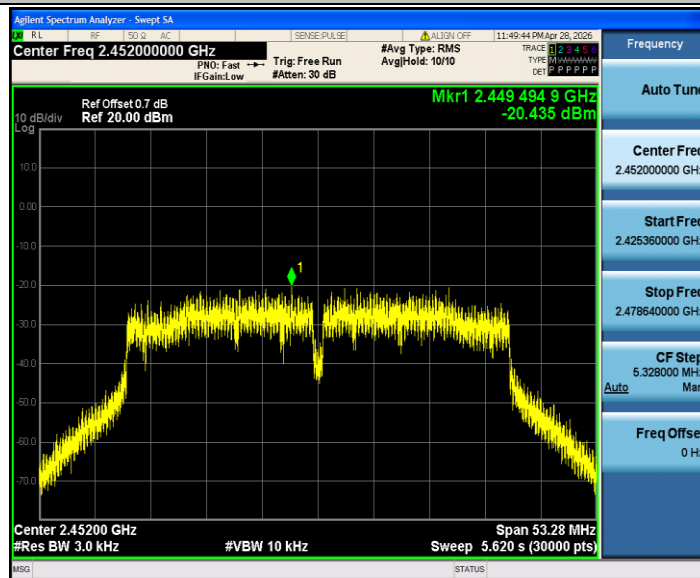
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



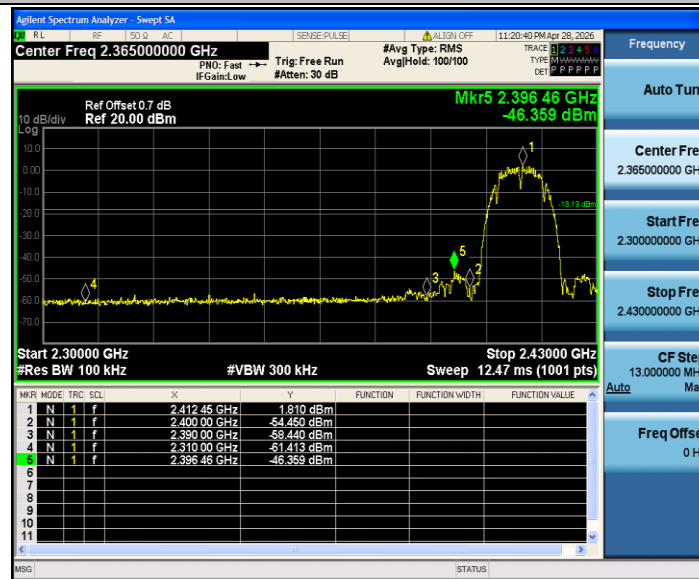
Appendix E: Band edge measurements

Test Result

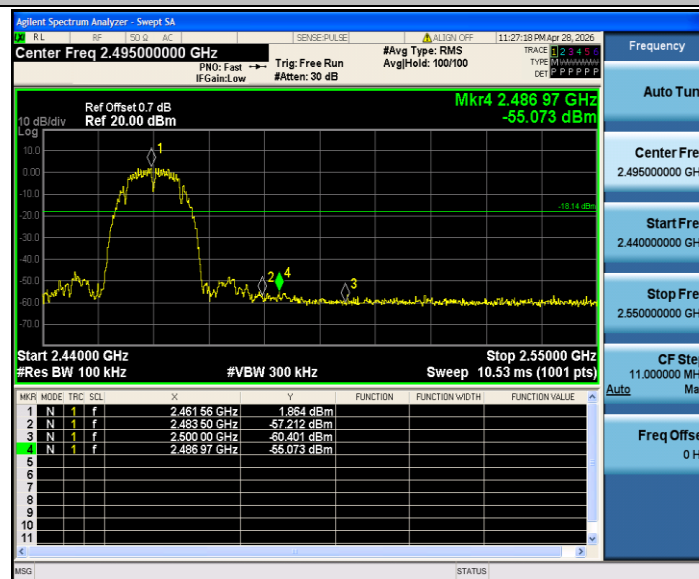
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.81	-46.36	≤-18.19	PASS
		High	2462	1.86	-55.07	≤-18.14	PASS
11G	Ant1	Low	2412	-2.54	-35.08	≤-22.54	PASS
		High	2462	-2.29	-57.58	≤-22.29	PASS
11N20SISO	Ant1	Low	2412	-2.58	-34.75	≤-22.58	PASS
		High	2462	-2.38	-57.45	≤-22.38	PASS
11N40SISO	Ant1	Low	2422	-5.90	-33.85	≤-25.9	PASS
		High	2452	-5.70	-55.43	≤-25.7	PASS

Test Graphs

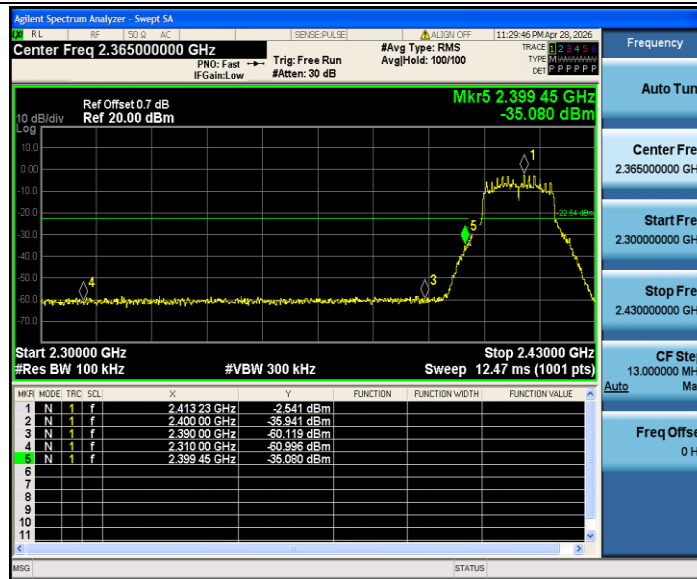
11B_Ant1_Low_2412



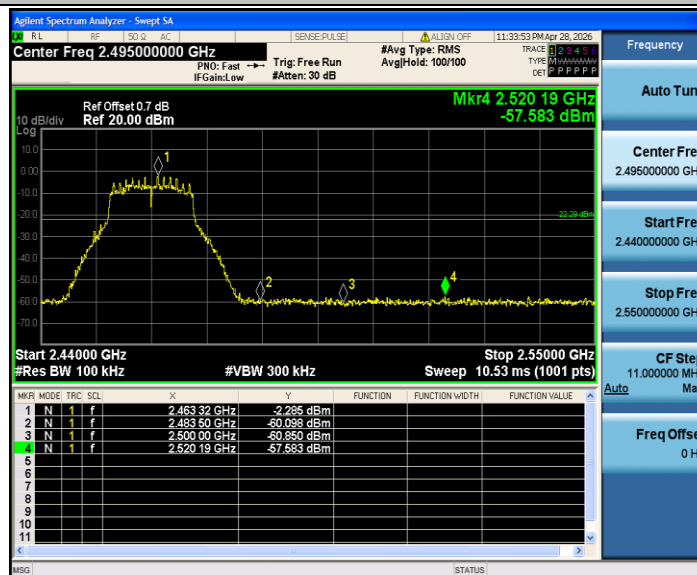
11B_Ant1_High_2462



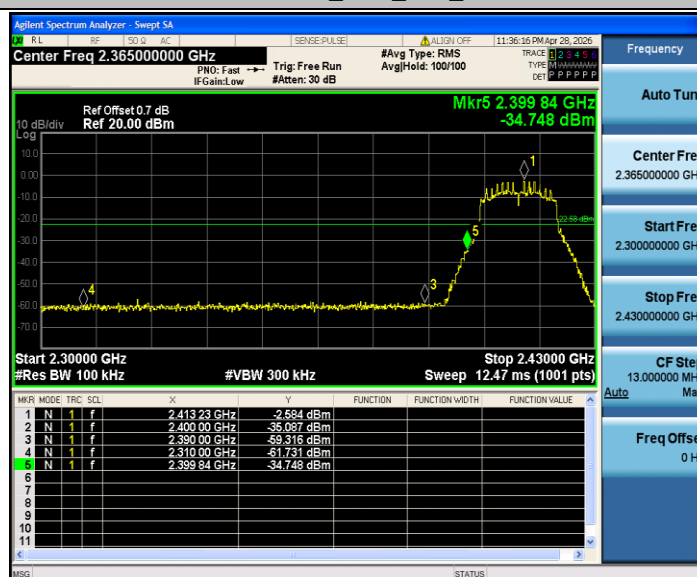
11G_Ant1_Low_2412



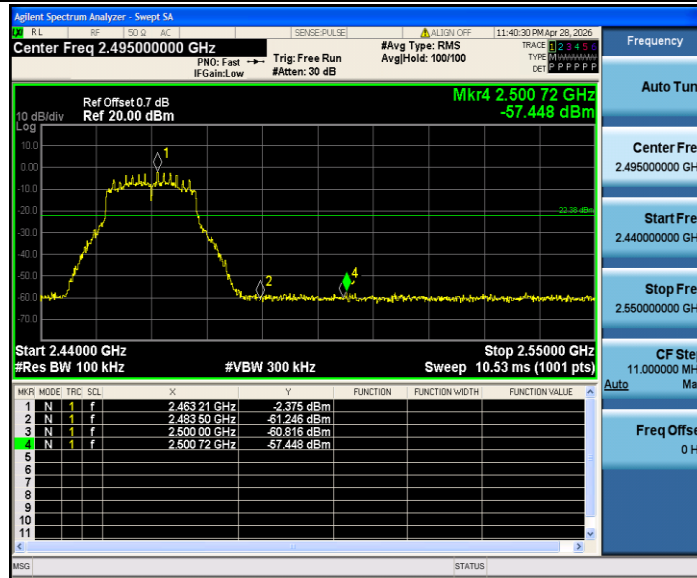
11G_Ant1_High_2462



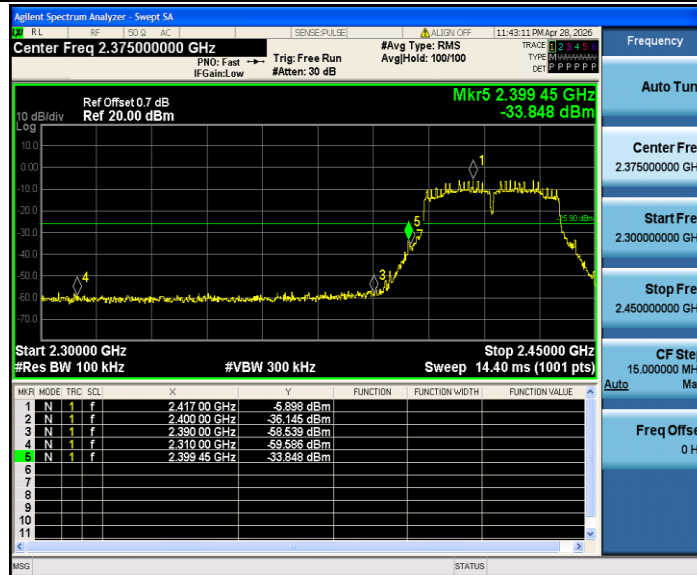
11N20SISO_Ant1_Low_2412



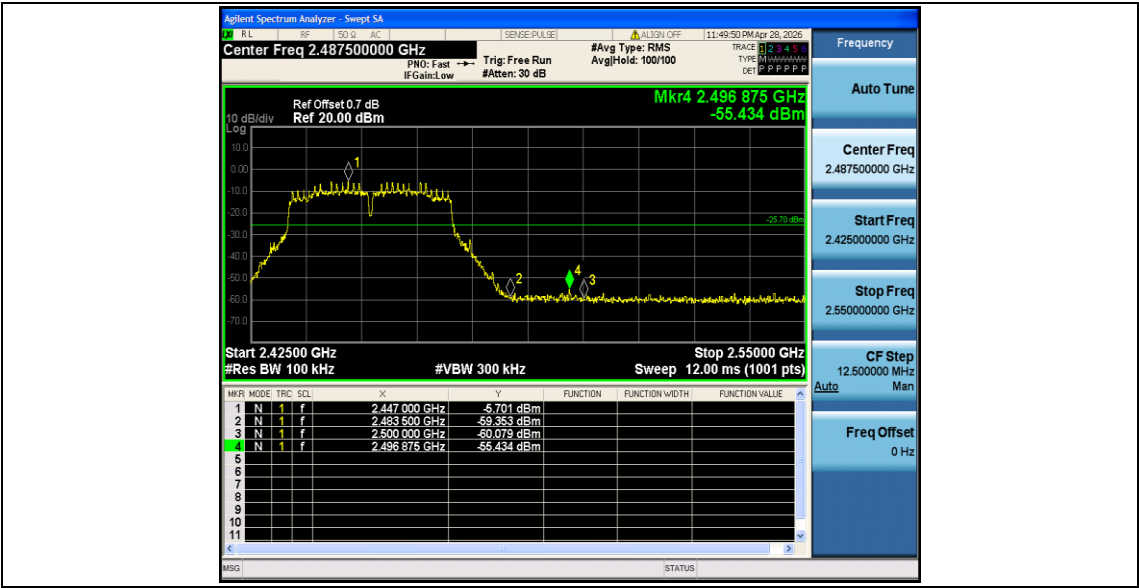
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

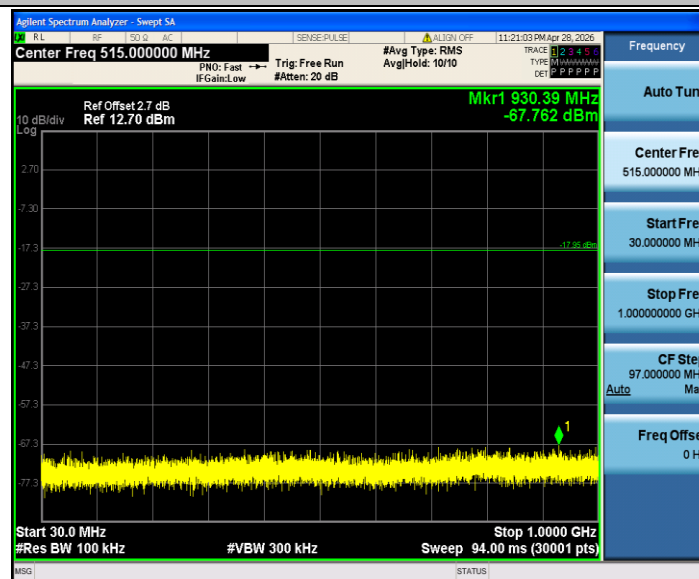
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.05	2.05	---	PASS
			30~1000	2.05	-67.76	≤-17.95	PASS
			1000~26500	2.05	-55.76	≤-17.95	PASS
		2437	Reference	1.21	1.21	---	PASS
			30~1000	1.21	-66.81	≤-18.79	PASS
			1000~26500	1.21	-55.45	≤-18.79	PASS
		2462	Reference	2.13	2.13	---	PASS
			30~1000	2.13	-66.86	≤-17.87	PASS
			1000~26500	2.13	-55.54	≤-17.87	PASS
11G	Ant1	2412	Reference	-3.75	-3.75	---	PASS
			30~1000	-3.75	-67.59	≤-23.75	PASS
			1000~26500	-3.75	-54.64	≤-23.75	PASS
		2437	Reference	-2.49	-2.49	---	PASS
			30~1000	-2.49	-66.63	≤-22.49	PASS
			1000~26500	-2.49	-54.86	≤-22.49	PASS
		2462	Reference	-2.90	-2.90	---	PASS
			30~1000	-2.90	-67.87	≤-22.9	PASS
			1000~26500	-2.90	-55.34	≤-22.9	PASS
11N20SISO	Ant1	2412	Reference	-3.81	-3.81	---	PASS
			30~1000	-3.81	-67.59	≤-23.81	PASS
			1000~26500	-3.81	-55.2	≤-23.81	PASS
		2437	Reference	-2.58	-2.58	---	PASS
			30~1000	-2.58	-67.39	≤-22.58	PASS
			1000~26500	-2.58	-55.85	≤-22.58	PASS
		2462	Reference	-3.46	-3.46	---	PASS
			30~1000	-3.46	-68.21	≤-23.46	PASS
			1000~26500	-3.46	-54.99	≤-23.46	PASS
11N40SISO	Ant1	2422	Reference	-6.10	-6.10	---	PASS
			30~1000	-6.10	-67.77	≤-26.1	PASS
			1000~26500	-6.10	-55.7	≤-26.1	PASS
		2437	Reference	-5.66	-5.66	---	PASS
			30~1000	-5.66	-67.17	≤-25.66	PASS
			1000~26500	-5.66	-55.19	≤-25.66	PASS
		2452	Reference	-5.76	-5.76	---	PASS
			30~1000	-5.76	-68.08	≤-25.76	PASS
			1000~26500	-5.76	-54.44	≤-25.76	PASS

Test Graphs

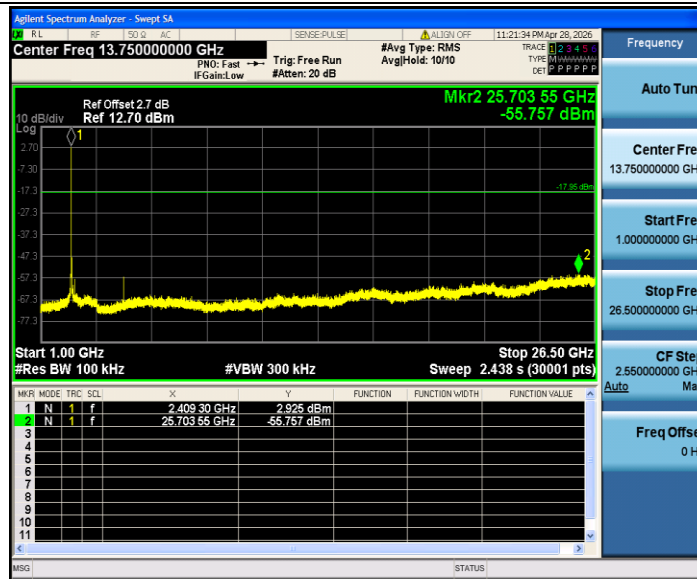
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



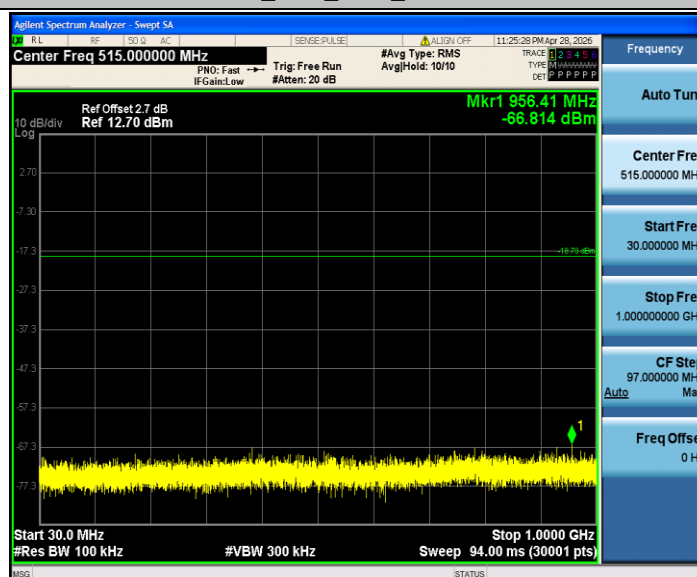
11B_Ant1_2412_1000~26500



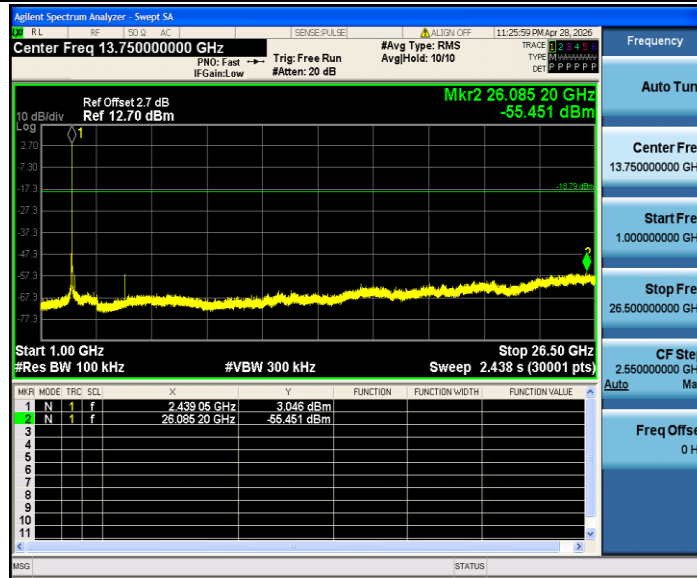
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



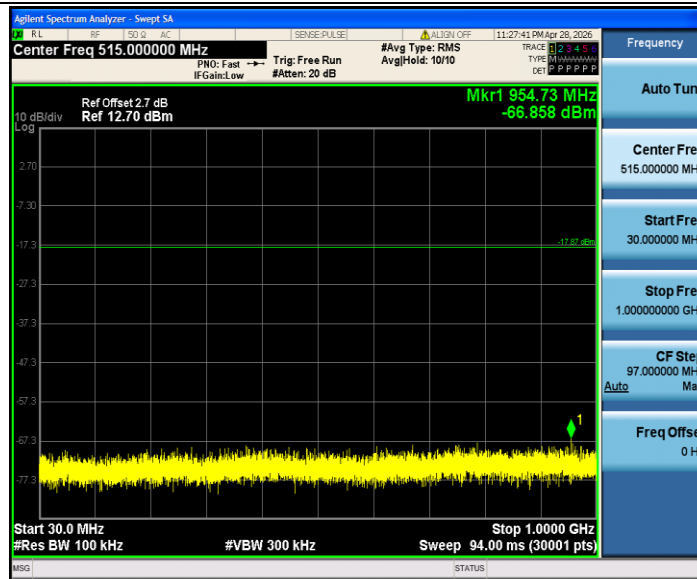
11B_Ant1_2437_1000~26500



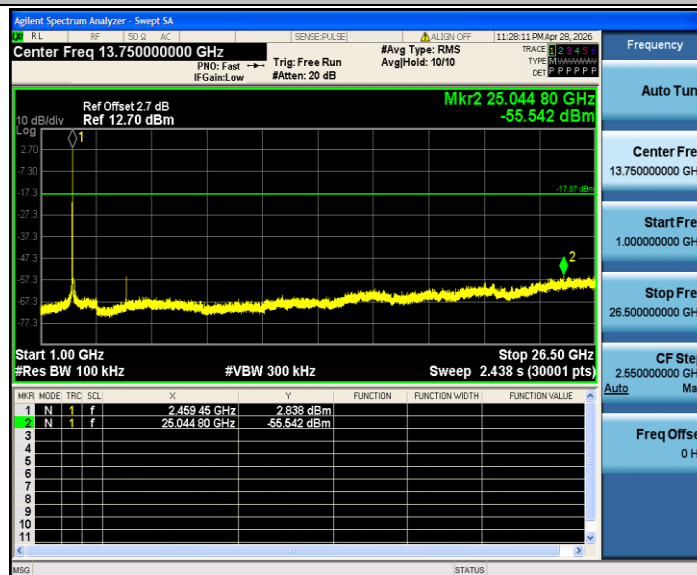
11B_Ant1_2462_0~Reference



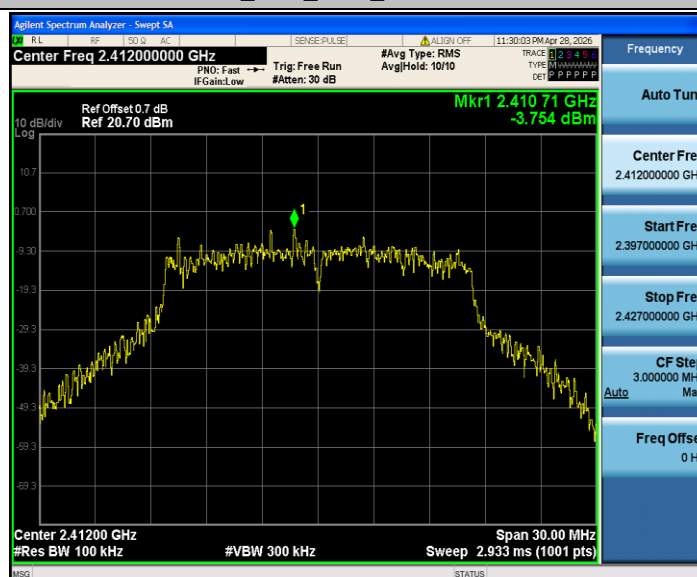
11B_Ant1_2462_30~1000



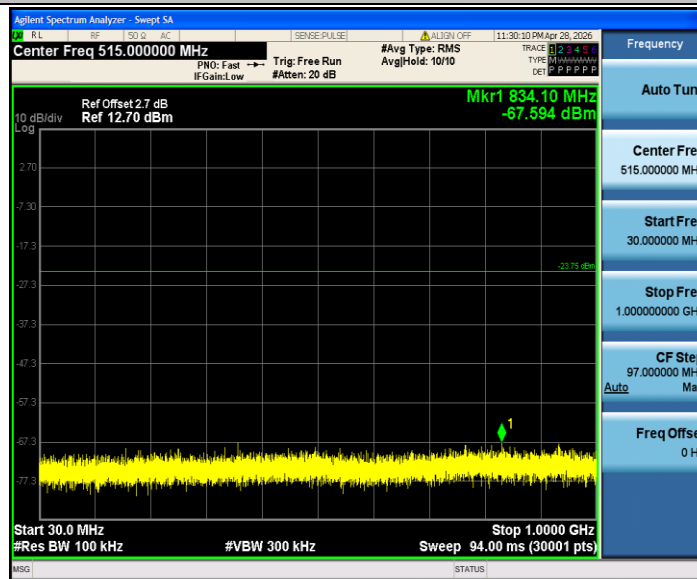
11B_Ant1_2462_1000~26500



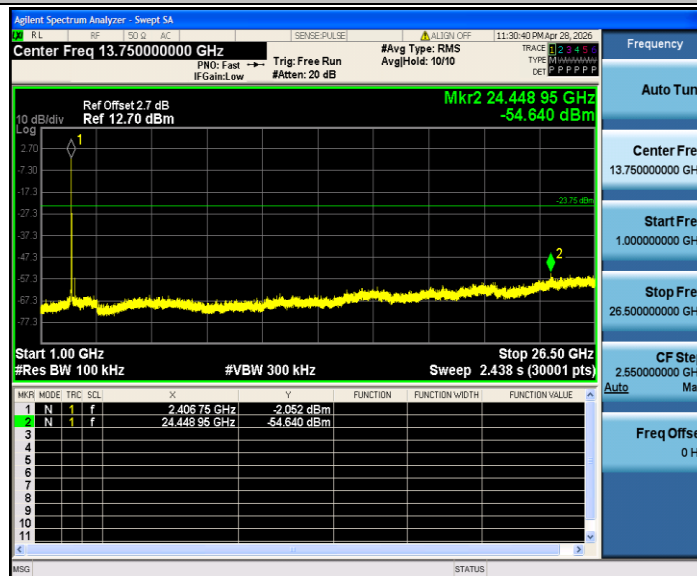
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



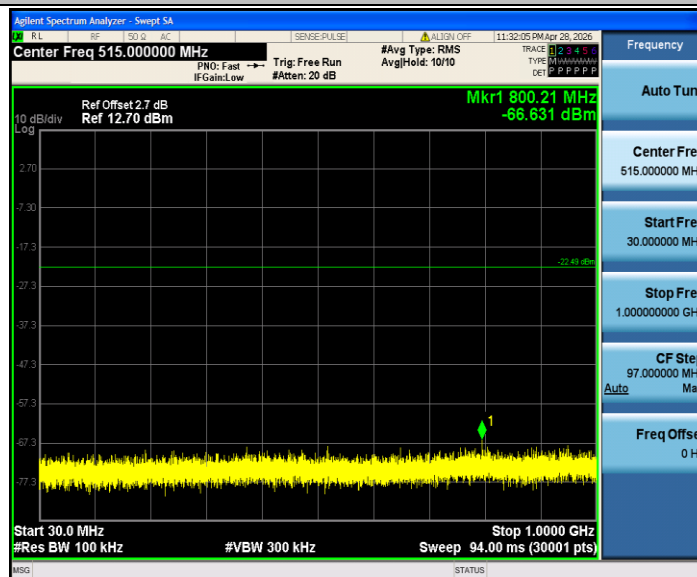
11G_Ant1_2412_1000~26500



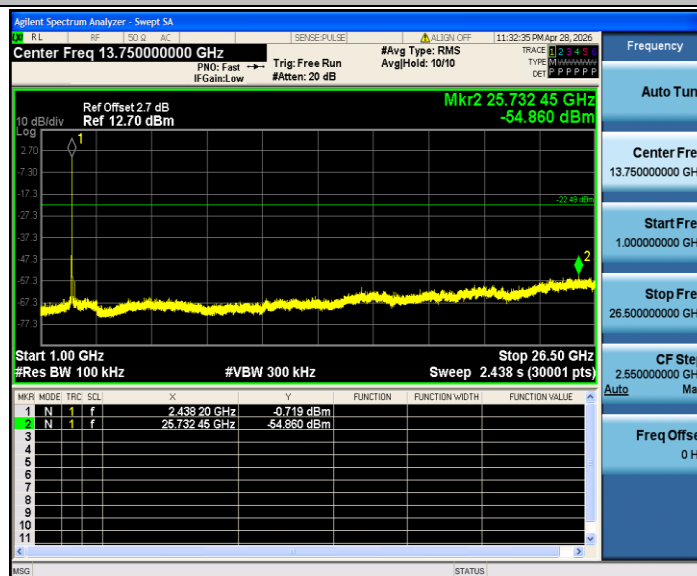
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



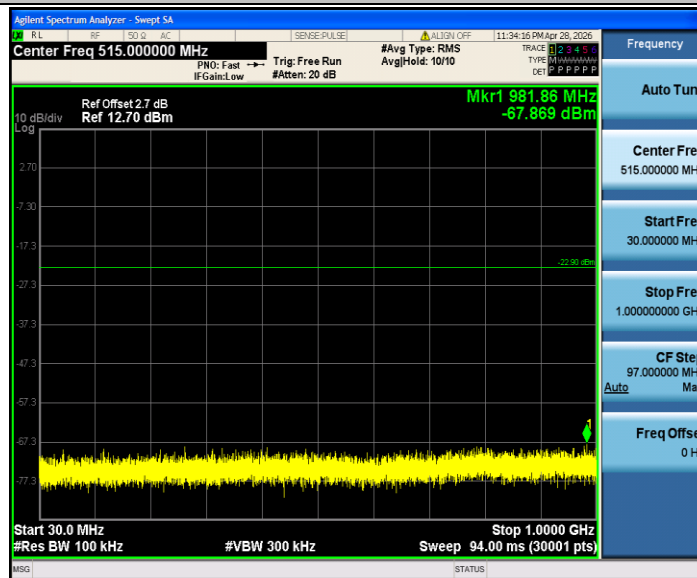
11G_Ant1_2437_1000~26500



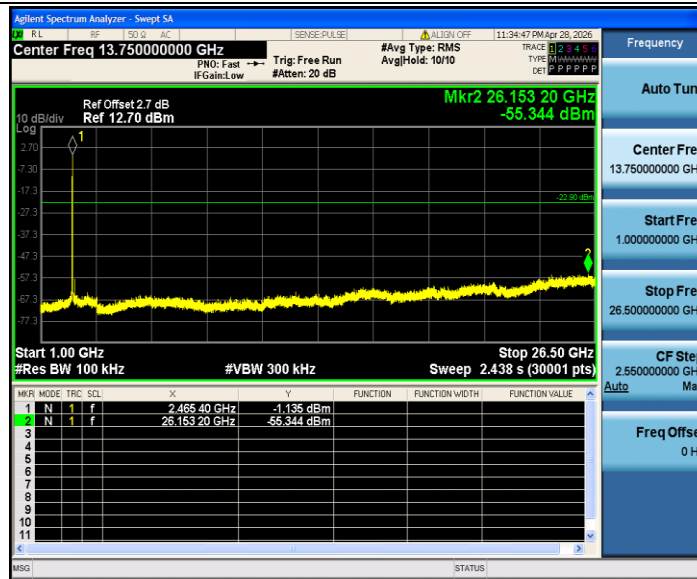
11G_Ant1_2462_0~Reference



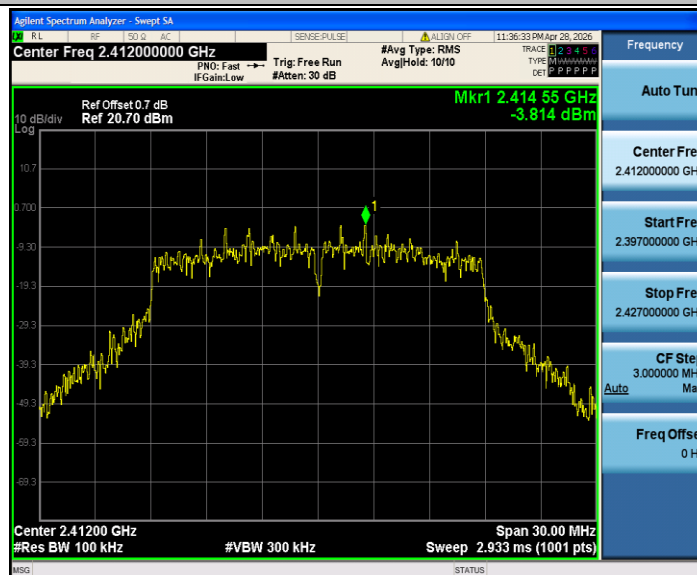
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

