

FCC Appendix RF Test Data

FCC ID : 2BO3S-CS-701

Company: : Shenzhen Chenshi Industrial Co., Ltd.

EUT : Tractor navigation screen

Model Number : TRACTOR-7in

Report No. : CTA25041101201

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	9.440	2407.040	2416.480	0.5	PASS
		2437	9.040	2432.520	2441.560	0.5	PASS
		2462	9.560	2457.000	2466.560	0.5	PASS
11G	Ant1	2412	15.760	2404.440	2420.200	0.5	PASS
		2437	15.480	2429.440	2444.920	0.5	PASS
		2462	15.680	2454.480	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.080	2404.440	2420.520	0.5	PASS
		2437	15.920	2429.440	2445.360	0.5	PASS
		2462	16.840	2453.800	2470.640	0.5	PASS

Test Graphs

11B_Ant1_2412



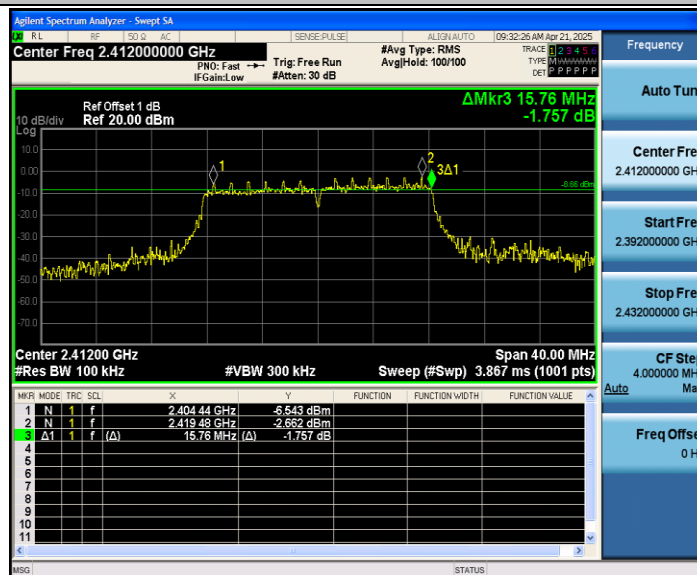
11B_Ant1_2437



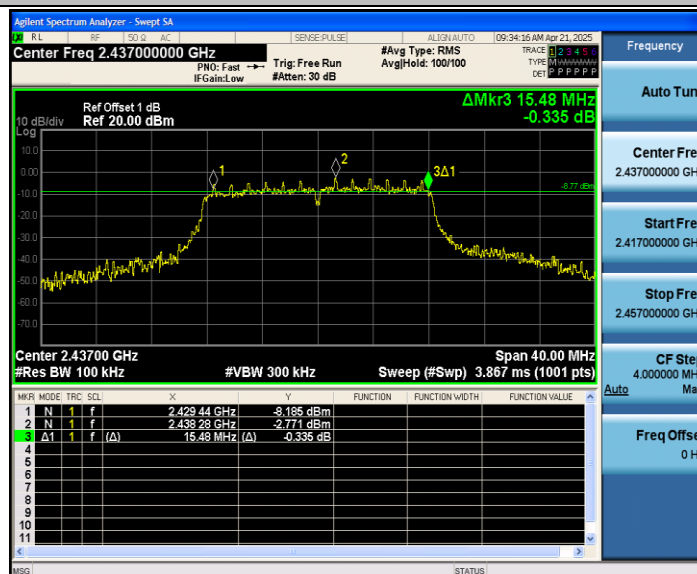
11B_Ant1_2462



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	12.329	2405.7890	2418.1180	---	---
		2437	12.304	2431.0937	2443.3977	---	---
		2462	12.694	2455.4739	2468.1679	---	---
11G	Ant1	2412	16.692	2403.8186	2420.5106	---	---
		2437	16.632	2428.7917	2445.4237	---	---
		2462	16.940	2453.6273	2470.5673	---	---
11N20SISO	Ant1	2412	17.893	2403.2145	2421.1075	---	---
		2437	17.593	2428.3224	2445.9154	---	---
		2462	18.015	2453.1082	2471.1232	---	---

Test Graphs

11B_Ant1_2412



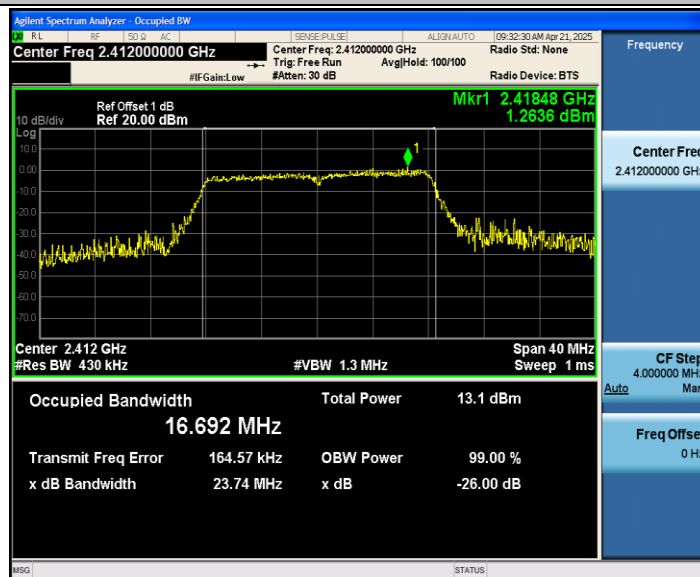
11B_Ant1_2437



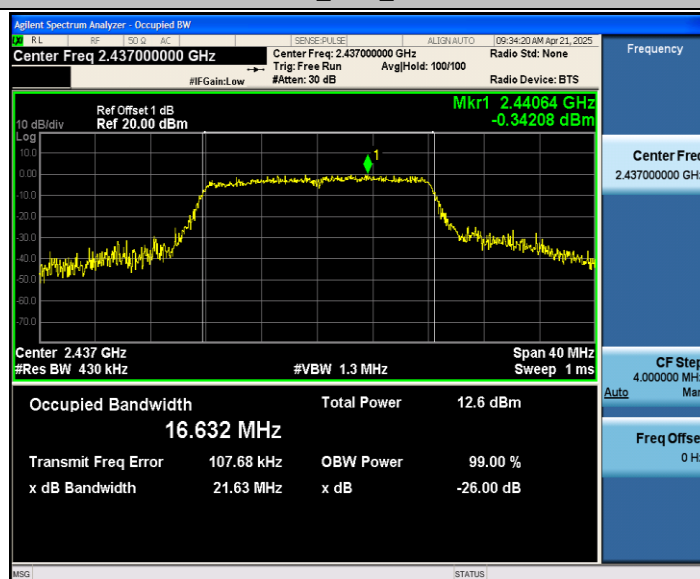
11B_Ant1_2462



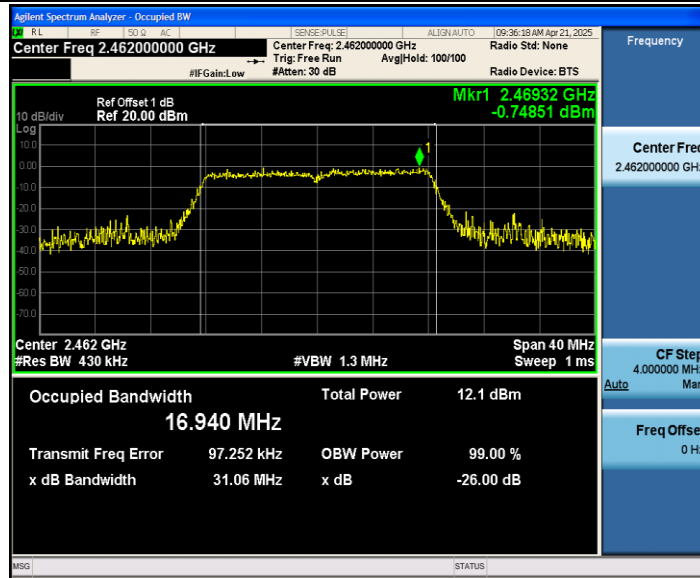
11G_Ant1_2412



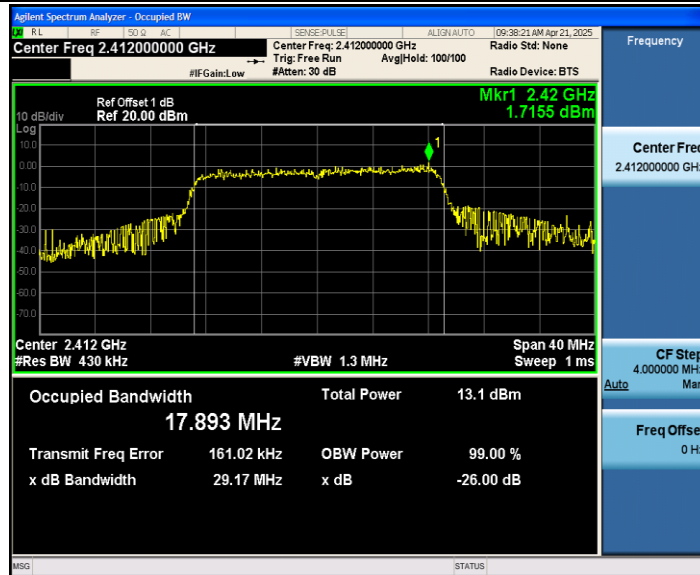
11G_Ant1_2437



11G_Ant1_2462



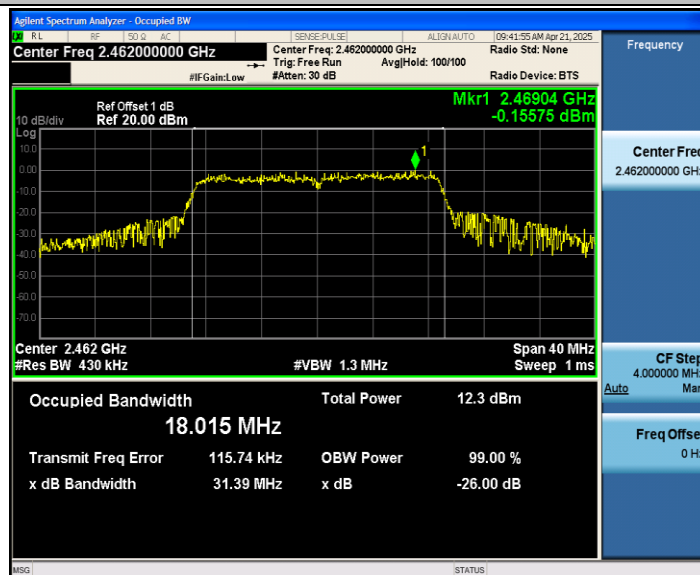
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.97	≤30.00	PASS
		2437	15.15	≤30.00	PASS
		2462	14.17	≤30.00	PASS
11G	Ant1	2412	13.65	≤30.00	PASS
		2437	13.26	≤30.00	PASS
		2462	12.78	≤30.00	PASS
11N20SISO	Ant1	2412	13.53	≤30.00	PASS
		2437	13.21	≤30.00	PASS
		2462	12.86	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

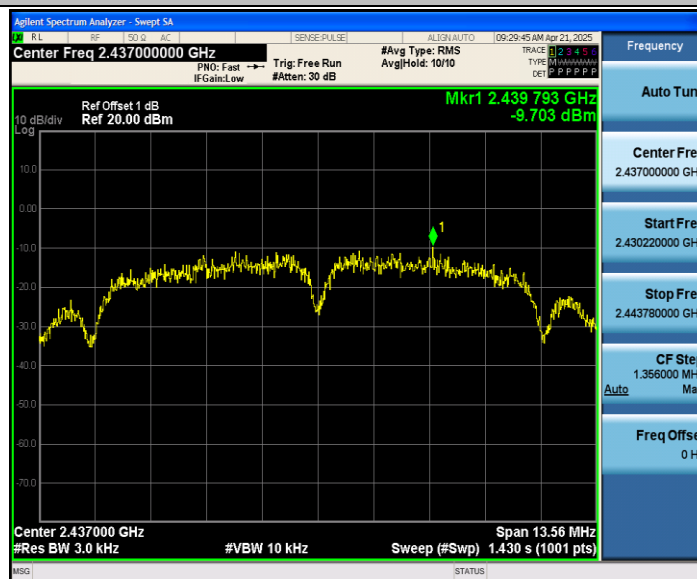
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.26	≤8.00	PASS
		2437	-9.70	≤8.00	PASS
		2462	-11.58	≤8.00	PASS
11G	Ant1	2412	-18.40	≤8.00	PASS
		2437	-18.93	≤8.00	PASS
		2462	-18.31	≤8.00	PASS
11N20SISO	Ant1	2412	-17.36	≤8.00	PASS
		2437	-18.88	≤8.00	PASS
		2462	-19.59	≤8.00	PASS

Test Graphs

11B_Ant1_2412



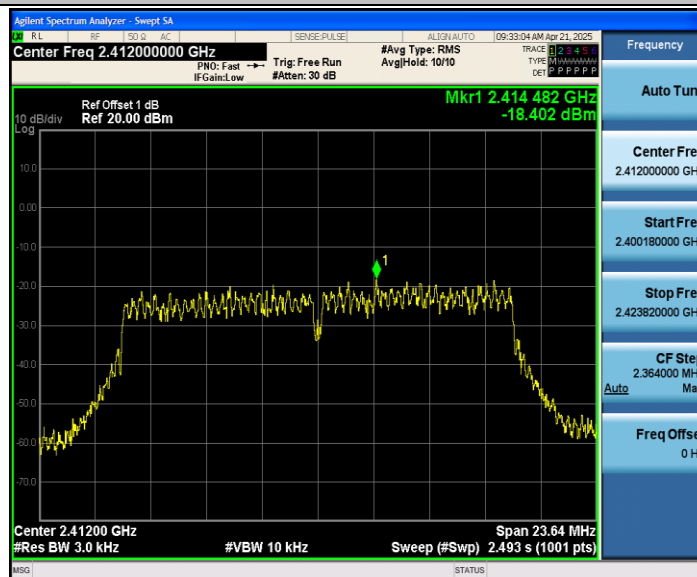
11B_Ant1_2437



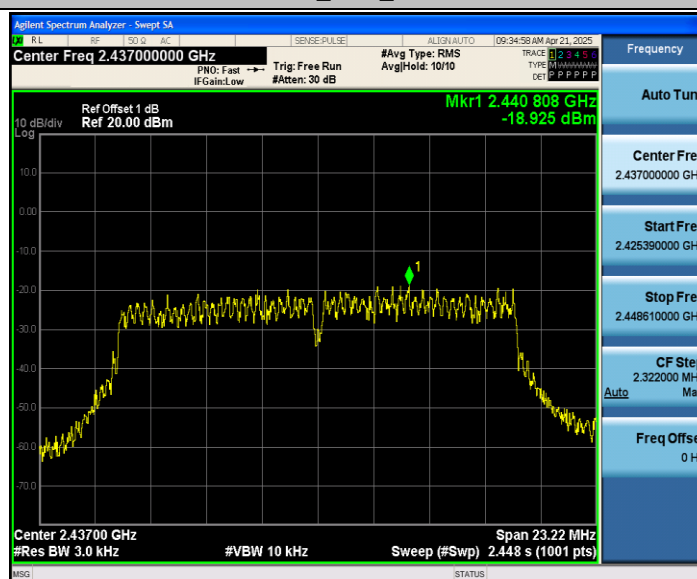
11B_Ant1_2462



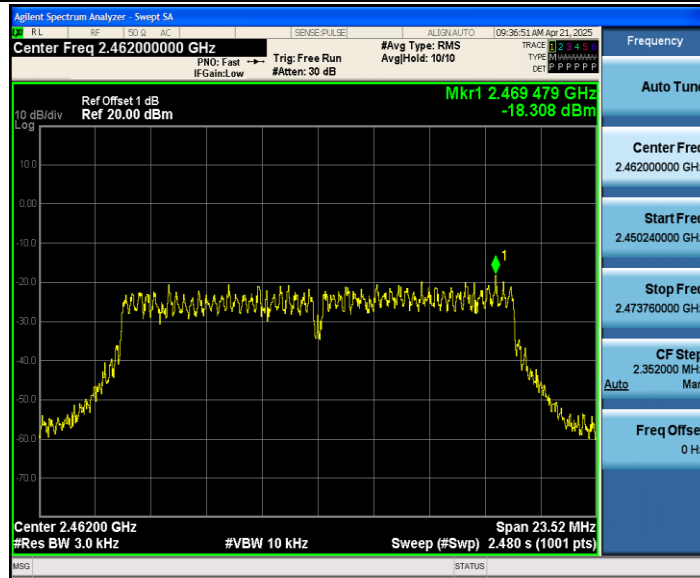
11G_Ant1_2412



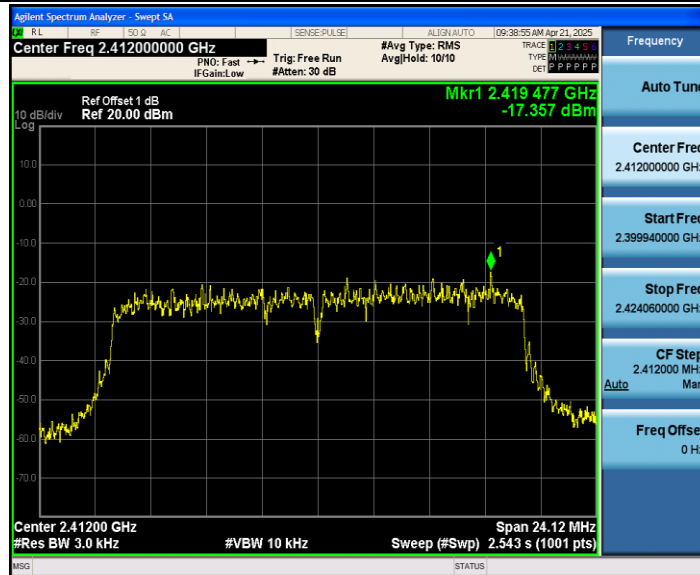
11G_Ant1_2437



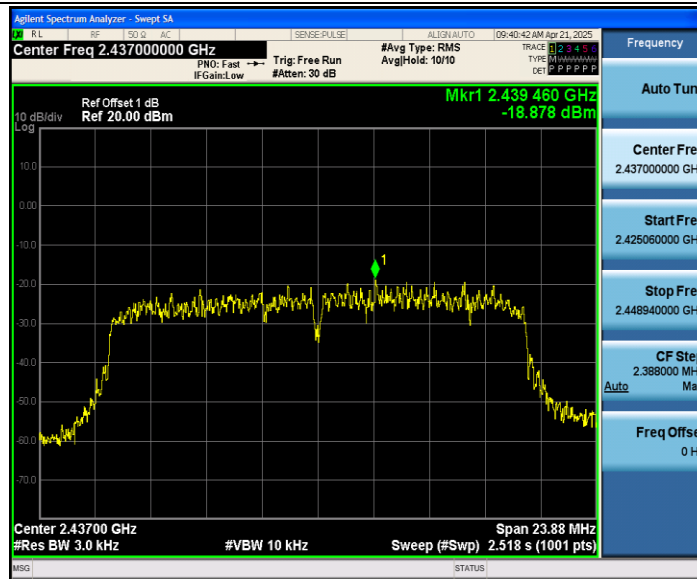
11G_Ant1_2462



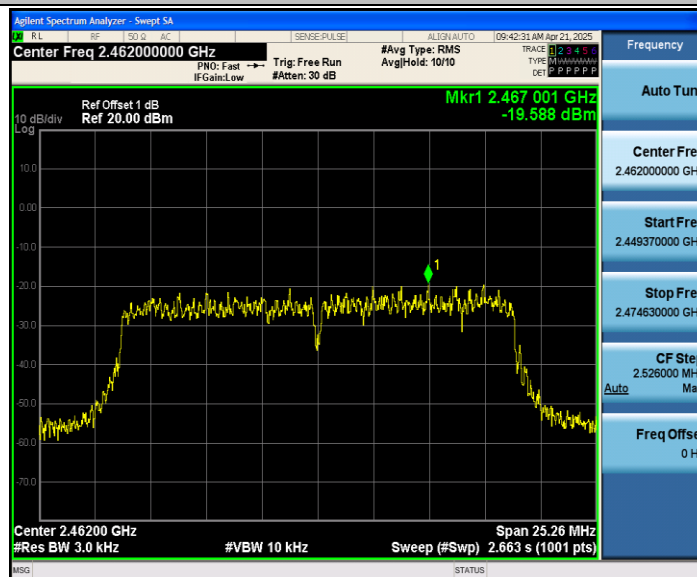
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



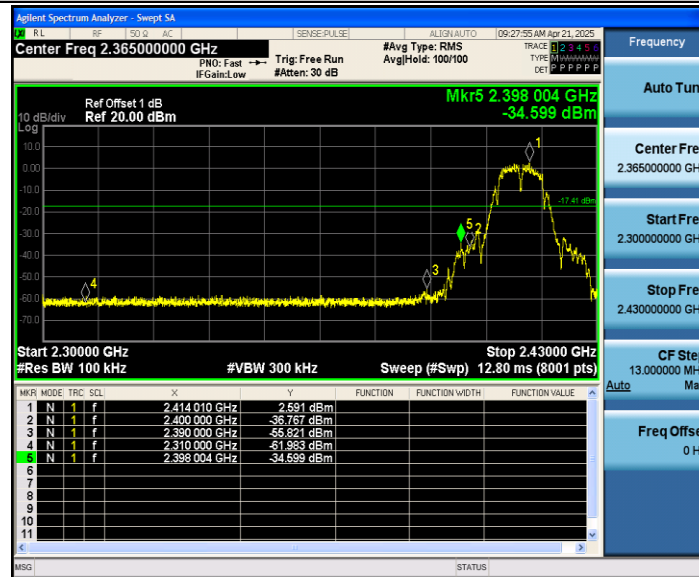
Appendix E: Band edge measurements

Test Result

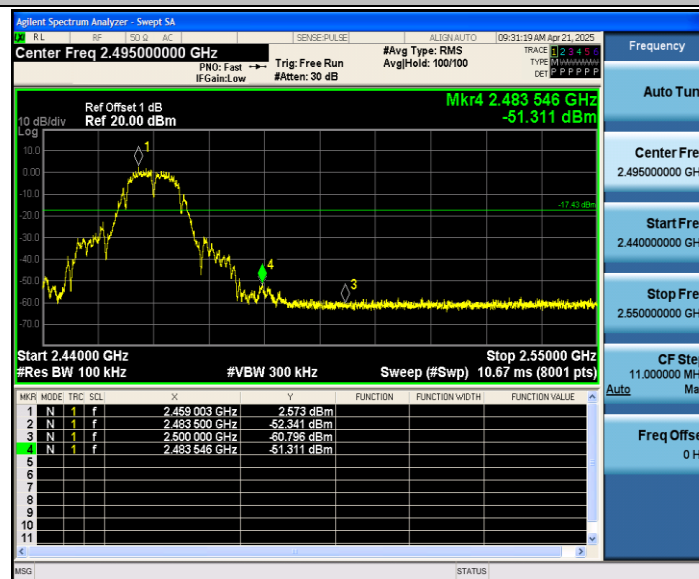
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.59	-34.6	≤-17.41	PASS
		High	2462	2.57	-51.31	≤-17.43	PASS
11G	Ant1	Low	2412	-2.04	-36.55	≤-22.04	PASS
		High	2462	-3.28	-40.68	≤-23.28	PASS
11N20SISO	Ant1	Low	2412	-2.34	-35.24	≤-22.34	PASS
		High	2462	-3.83	-39.01	≤-23.83	PASS

Test Graphs

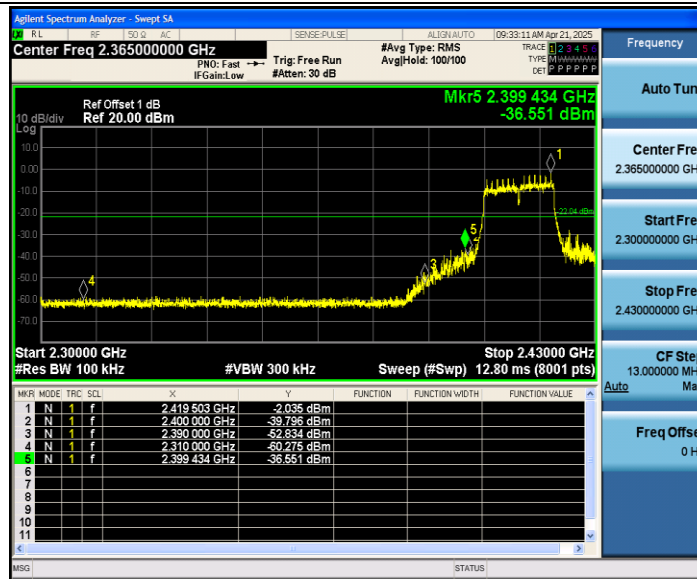
11B_Ant1_Low_2412



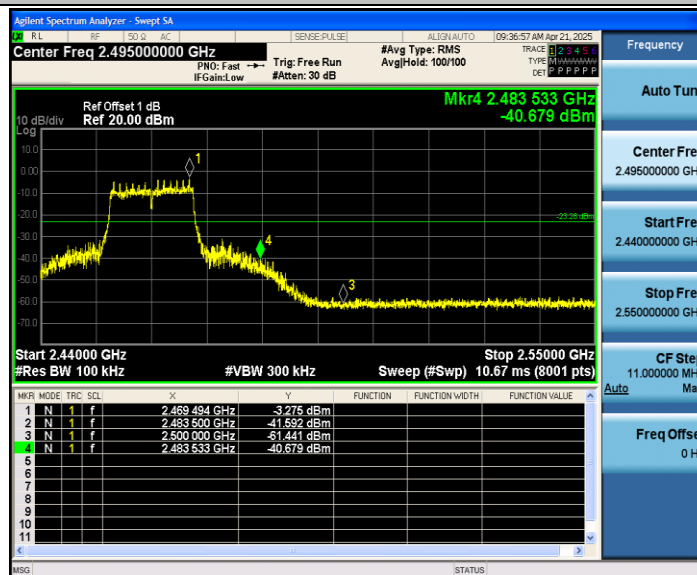
11B_Ant1_High_2462



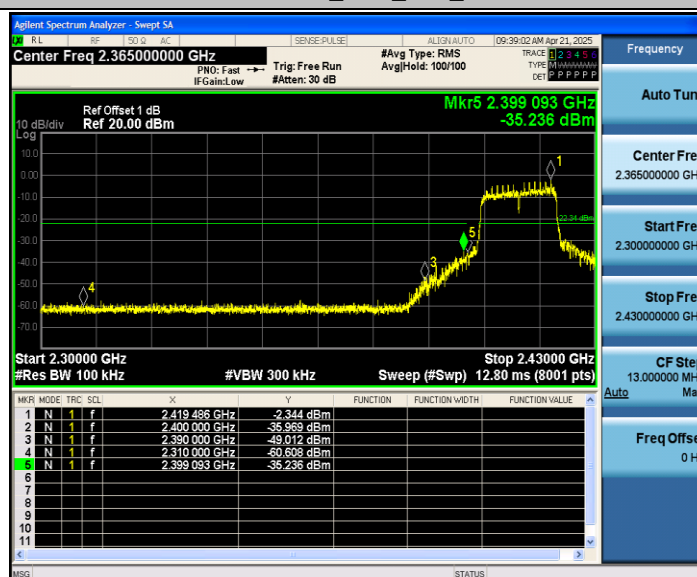
11G_Ant1_Low_2412



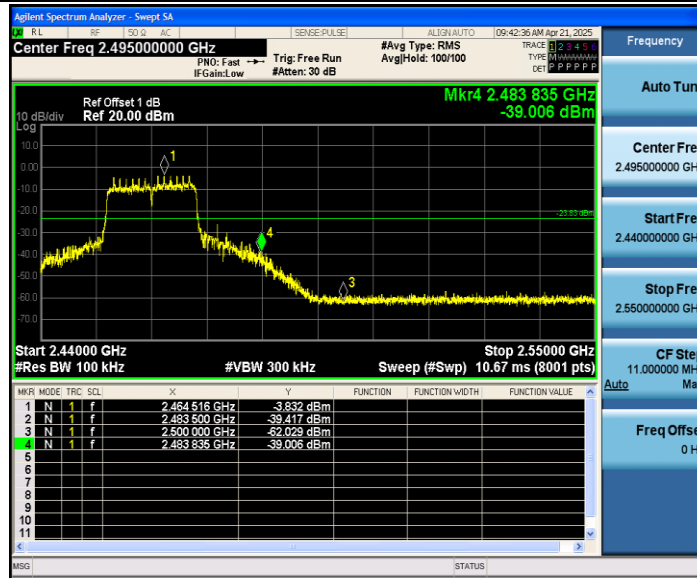
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

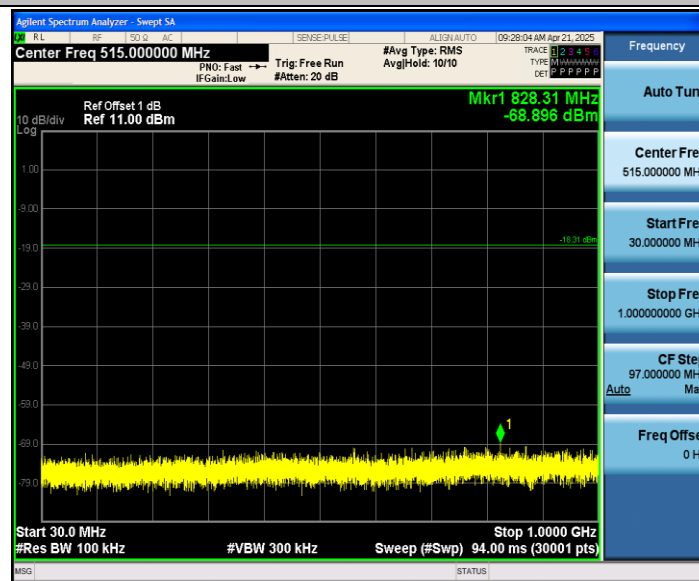
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.69	1.69	---	PASS
			30~1000	1.69	-68.9	≤-18.31	PASS
			1000~26500	1.69	-42.32	≤-18.31	PASS
		2437	Reference	1.00	1.00	---	PASS
			30~1000	1.00	-69.39	≤-19	PASS
			1000~26500	1.00	-40.09	≤-19	PASS
		2462	Reference	2.56	2.56	---	PASS
			30~1000	2.56	-69.21	≤-17.44	PASS
			1000~26500	2.56	-34.29	≤-17.44	PASS
11G	Ant1	2412	Reference	-2.02	-2.02	---	PASS
			30~1000	-2.02	-69.23	≤-22.02	PASS
			1000~26500	-2.02	-54.74	≤-22.02	PASS
		2437	Reference	-3.80	-3.80	---	PASS
			30~1000	-3.80	-69.24	≤-23.8	PASS
			1000~26500	-3.80	-54.1	≤-23.8	PASS
		2462	Reference	-3.24	-3.24	---	PASS
			30~1000	-3.24	-69.83	≤-23.24	PASS
			1000~26500	-3.24	-48.1	≤-23.24	PASS
11N20SISO	Ant1	2412	Reference	-2.84	-2.84	---	PASS
			30~1000	-2.84	-69.24	≤-22.84	PASS
			1000~26500	-2.84	-52.17	≤-22.84	PASS
		2437	Reference	-3.43	-3.43	---	PASS
			30~1000	-3.43	-69.65	≤-23.43	PASS
			1000~26500	-3.43	-53.71	≤-23.43	PASS
		2462	Reference	-3.23	-3.23	---	PASS
			30~1000	-3.23	-68.96	≤-23.23	PASS
			1000~26500	-3.23	-48.5	≤-23.23	PASS

Test Graphs

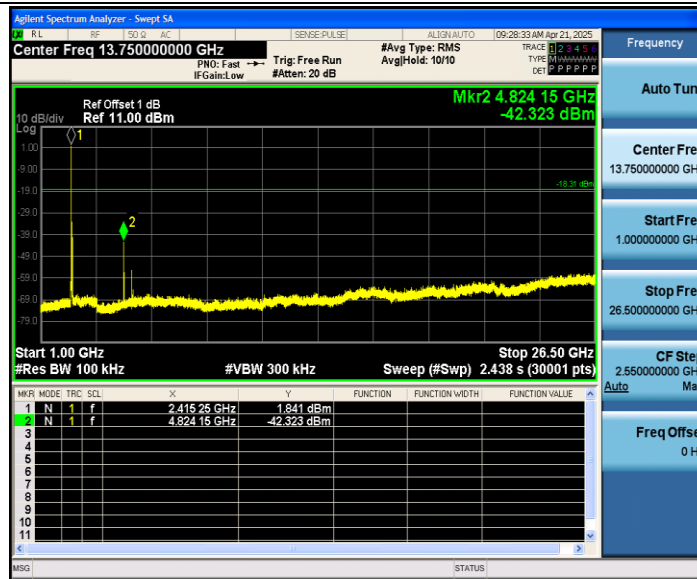
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



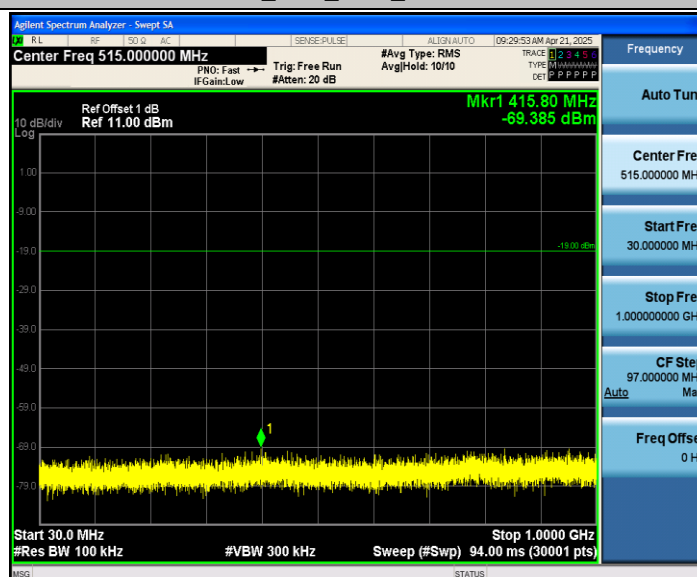
11B_Ant1_2412_1000~26500



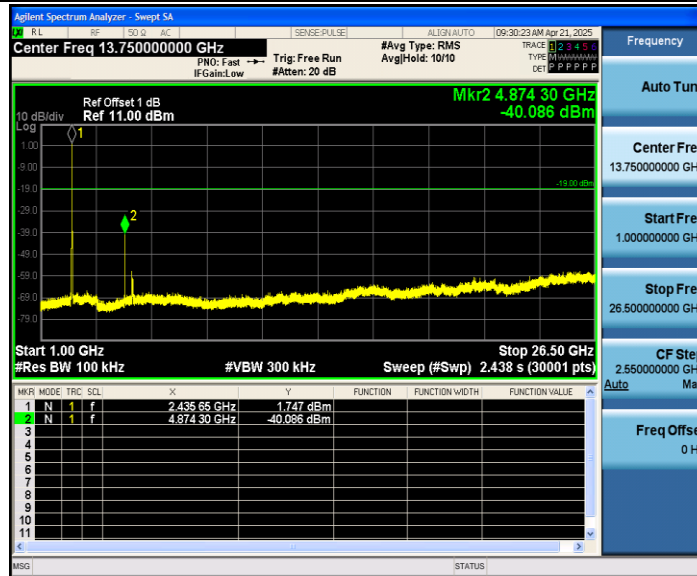
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



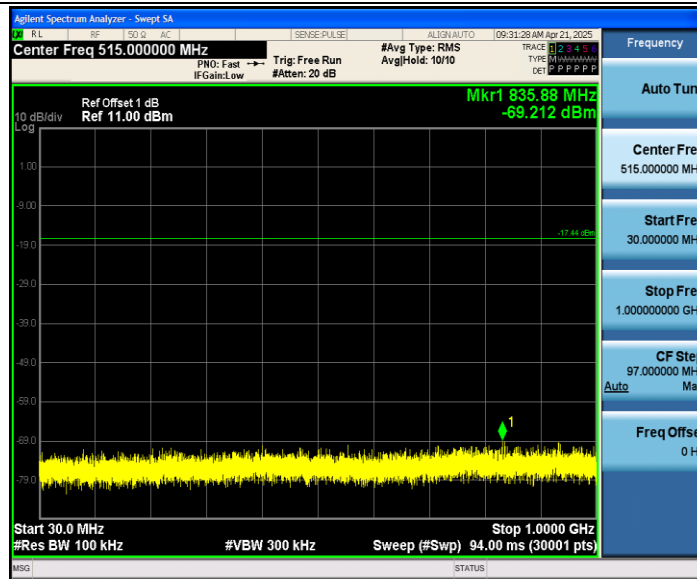
11B_Ant1_2437_1000~26500



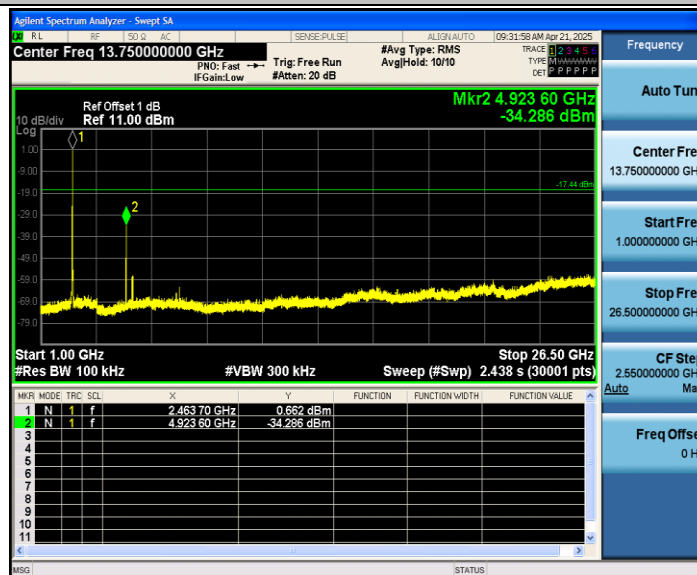
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



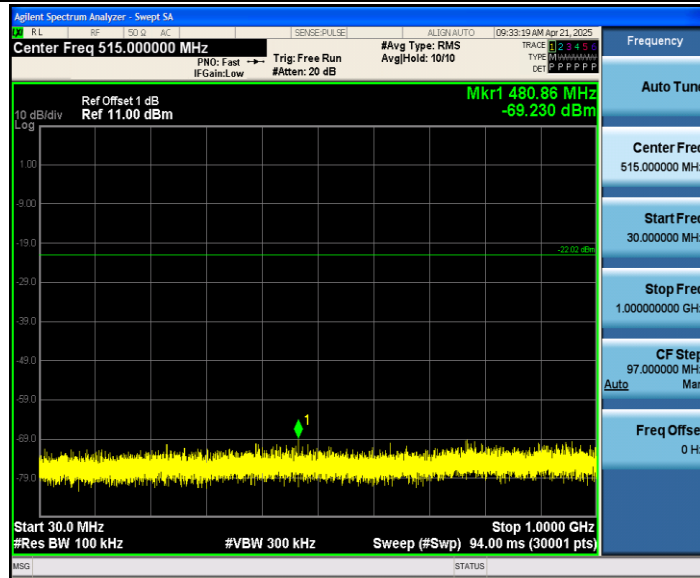
11B_Ant1_2462_1000~26500



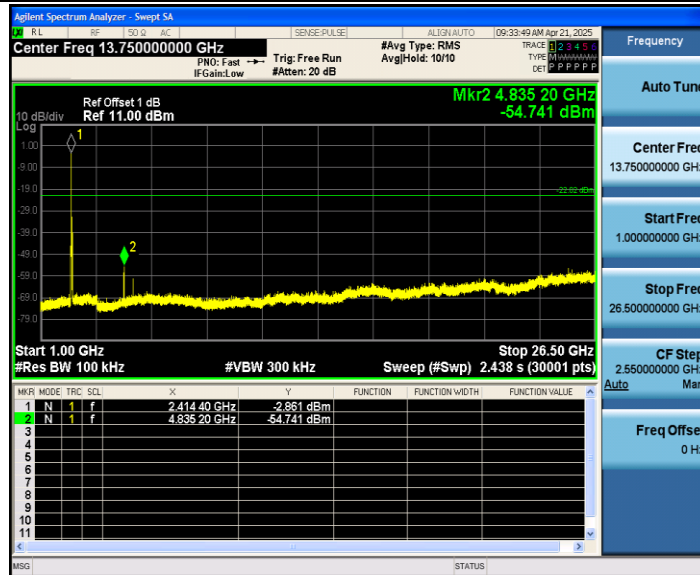
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



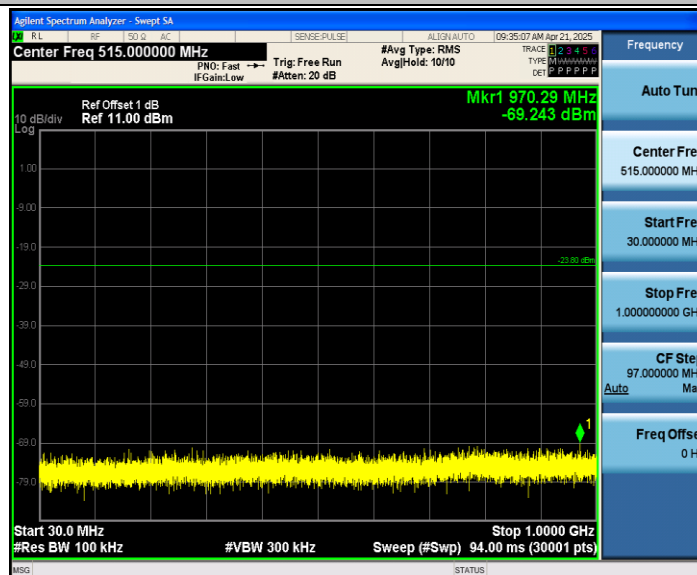
11G_Ant1_2412_1000~26500



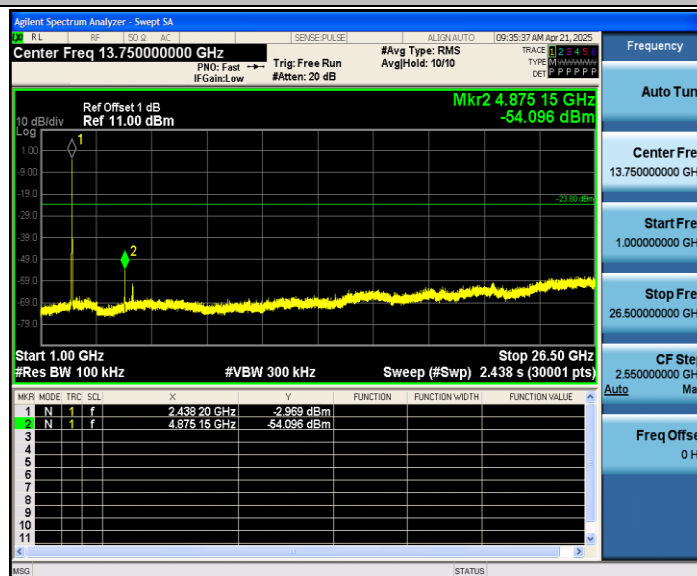
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



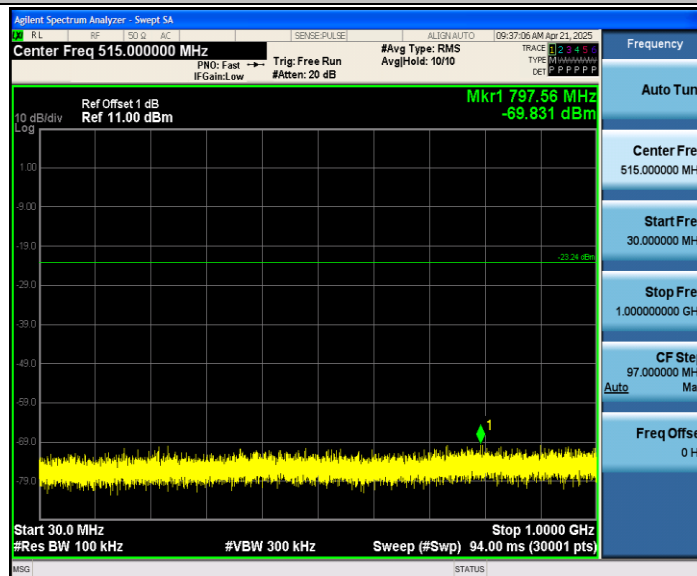
11G_Ant1_2437_1000~26500



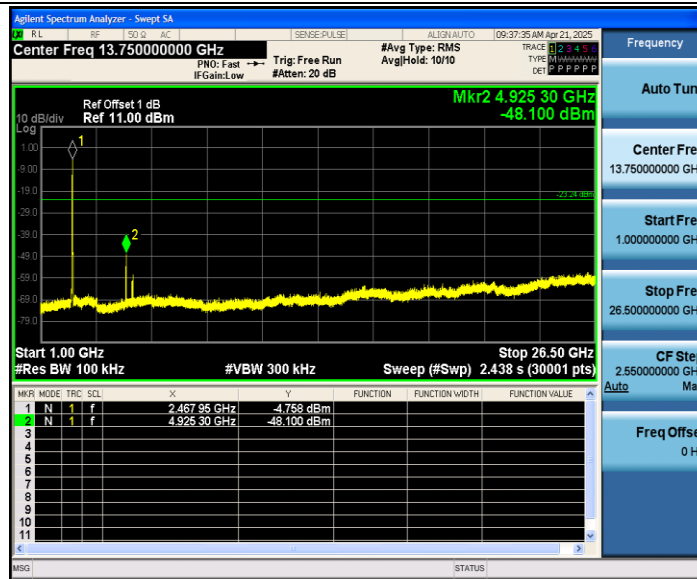
11G_Ant1_2462_0~Reference



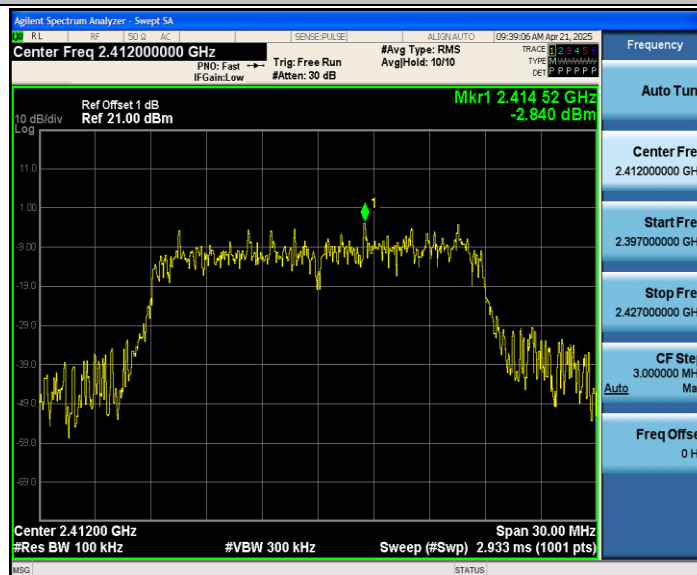
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

