

FCC Appendix RF Test Data

FCC ID : 2BBQ4-S7-U

Company : Shenzhen Jooan Technology Co., Ltd

EUT : Smart Camera

Model Number : S7-U

Report No. : CTA25070400301

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	8.000	2408.520	2416.520	0.5	PASS
		2437	9.160	2432.920	2442.080	0.5	PASS
		2462	8.560	2457.440	2466.000	0.5	PASS
11G	Ant1	2412	13.120	2407.000	2420.120	0.5	PASS
		2437	15.720	2428.840	2444.560	0.5	PASS
		2462	15.680	2454.480	2470.160	0.5	PASS
11N20SISO	Ant1	2412	13.160	2406.960	2420.120	0.5	PASS
		2437	16.000	2428.520	2444.520	0.5	PASS
		2462	15.960	2454.440	2470.400	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



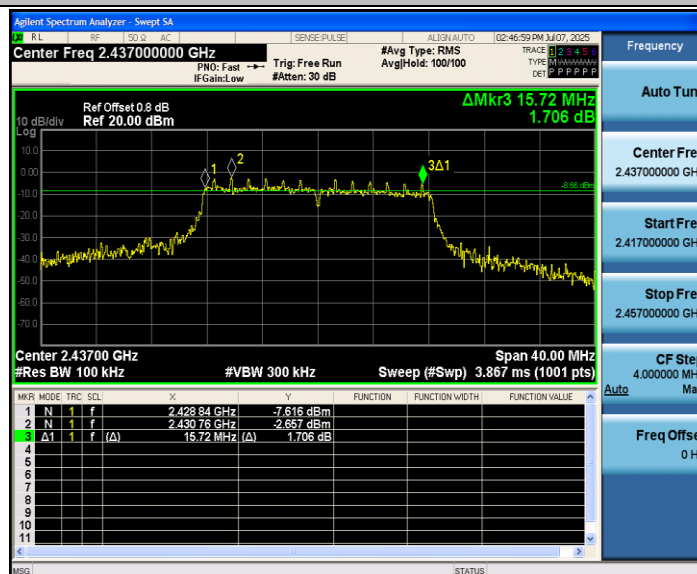
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



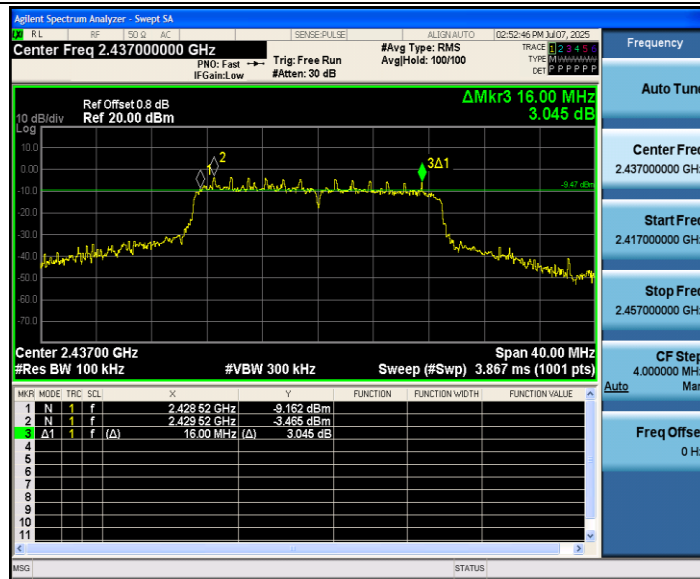
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



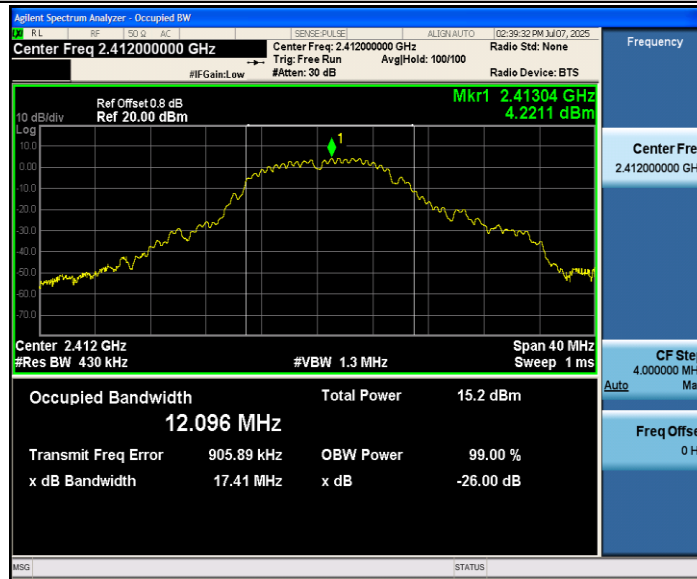
Appendix B: Occupied Channel Bandwidth

Test Result

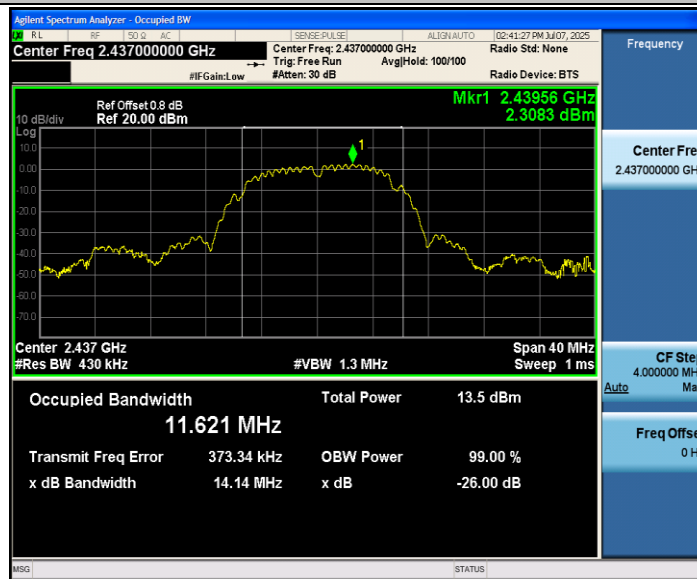
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.096	2406.8579	2418.9539	---	---
		2437	11.621	2431.5628	2443.1838	---	---
		2462	11.745	2455.9596	2467.7046	---	---
11G	Ant1	2412	16.690	2404.0368	2420.7268	---	---
		2437	16.827	2428.4824	2445.3094	---	---
		2462	16.559	2453.9247	2470.4837	---	---
11N20SISO	Ant1	2412	17.554	2403.6068	2421.1608	---	---
		2437	17.804	2427.9915	2445.7955	---	---
		2462	17.485	2453.4437	2470.9287	---	---

Test Graphs

11B_Ant1_2412



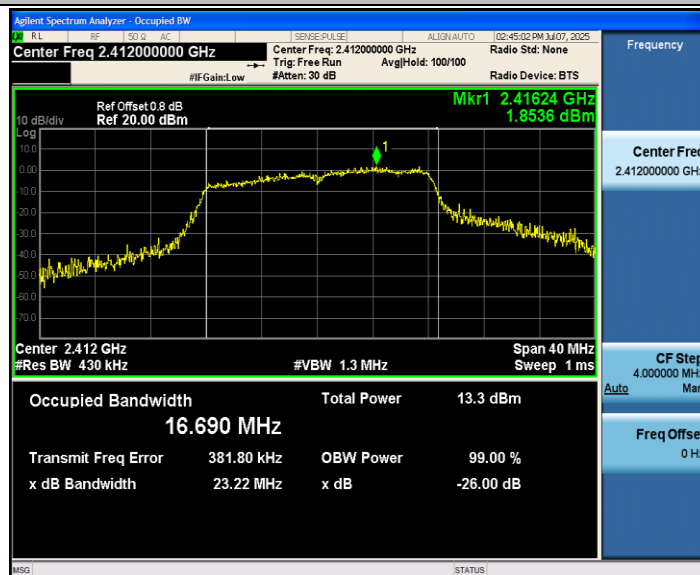
11B_Ant1_2437



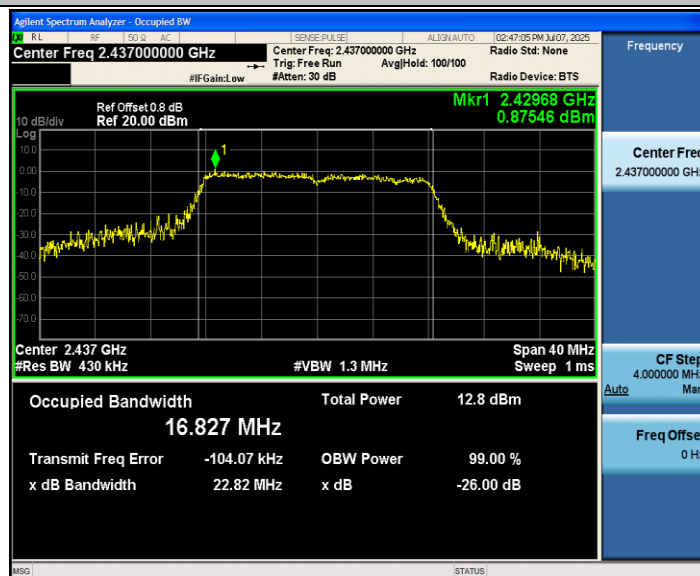
11B_Ant1_2462



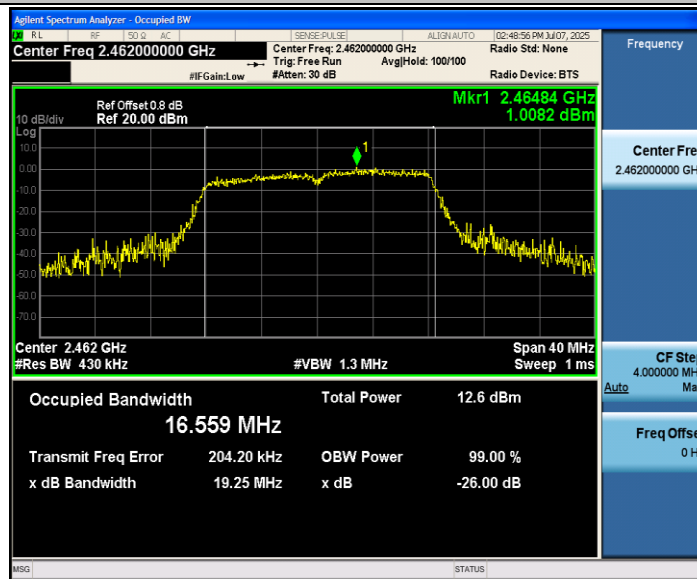
11G_Ant1_2412



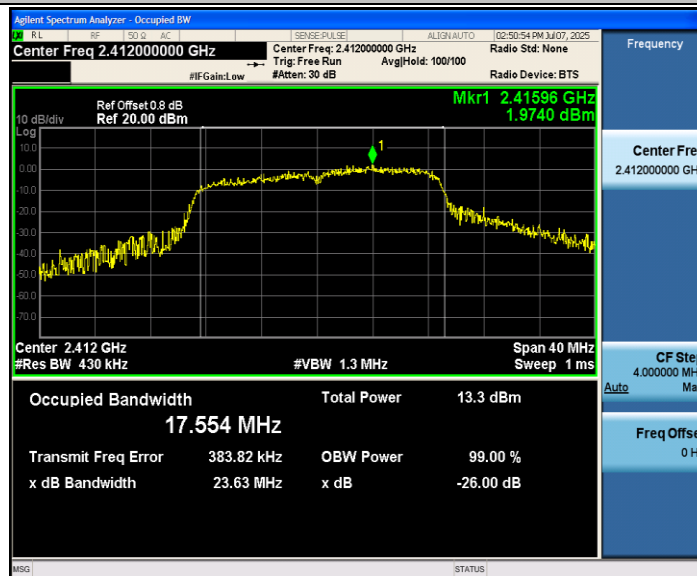
11G_Ant1_2437



11G_Ant1_2462



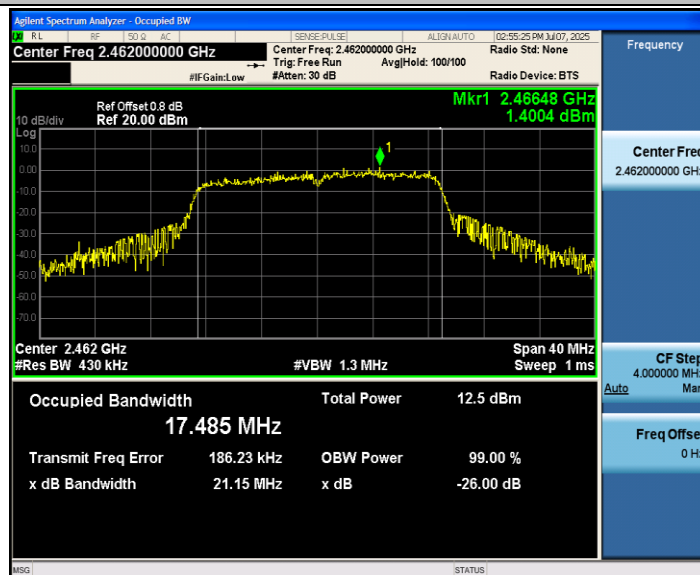
11N20SISO_Ant1_2412



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	14.75	≤30.00	PASS
		2437	13.27	≤30.00	PASS
		2462	14.38	≤30.00	PASS
11G	Ant1	2412	13.75	≤30.00	PASS
		2437	13.35	≤30.00	PASS
		2462	13.46	≤30.00	PASS
11N20SISO	Ant1	2412	13.65	≤30.00	PASS
		2437	13.27	≤30.00	PASS
		2462	13.03	≤30.00	PASS

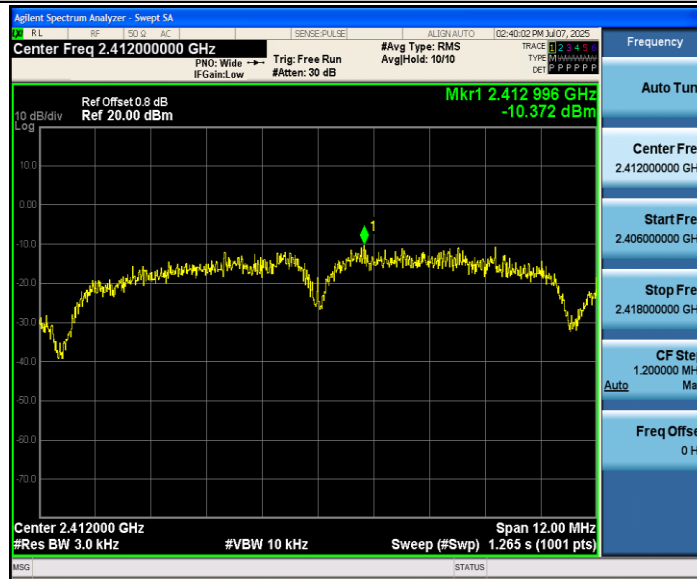
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.37	≤8.00	PASS
		2437	-12.31	≤8.00	PASS
		2462	-10.82	≤8.00	PASS
11G	Ant1	2412	-17.46	≤8.00	PASS
		2437	-18.59	≤8.00	PASS
		2462	-17.56	≤8.00	PASS
11N20SISO	Ant1	2412	-16.88	≤8.00	PASS
		2437	-18.90	≤8.00	PASS
		2462	-18.21	≤8.00	PASS

Test Graphs

11B_Ant1_2412



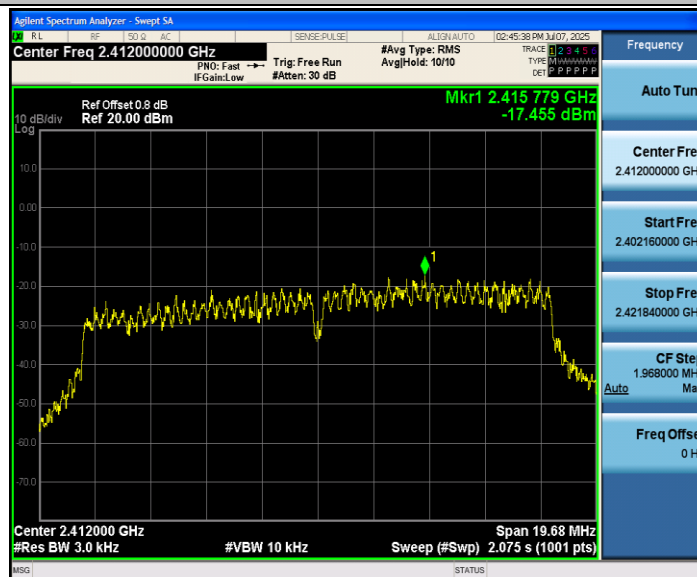
11B_Ant1_2437



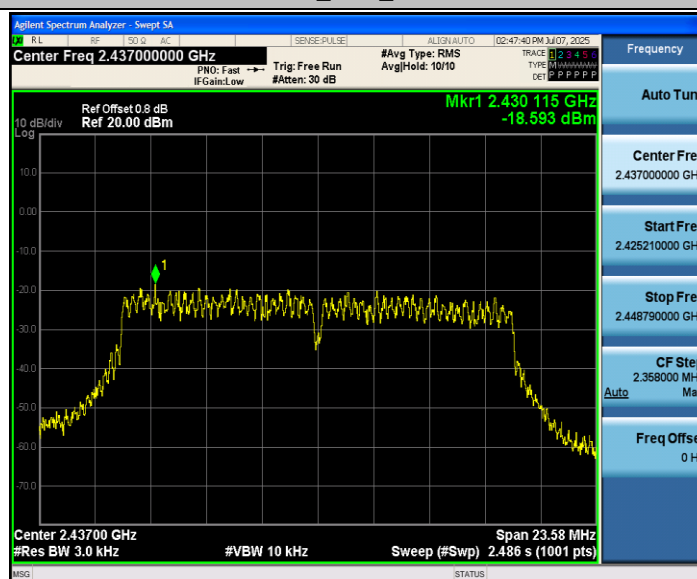
11B_Ant1_2462



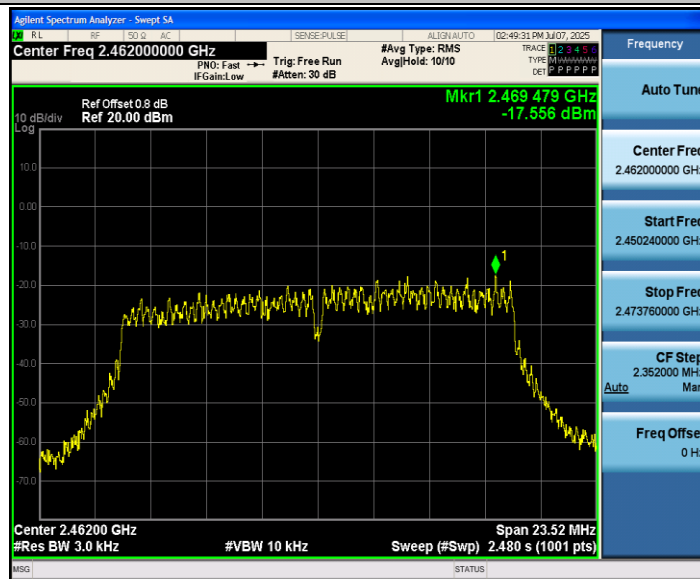
11G_Ant1_2412



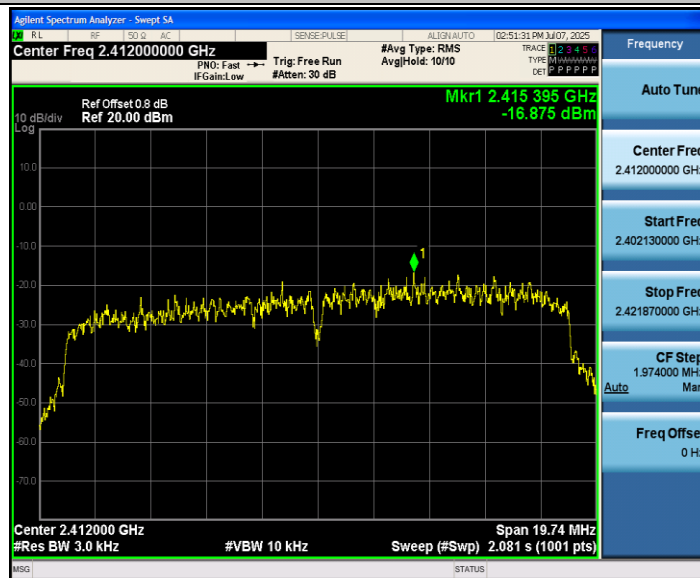
11G_Ant1_2437



11G_Ant1_2462



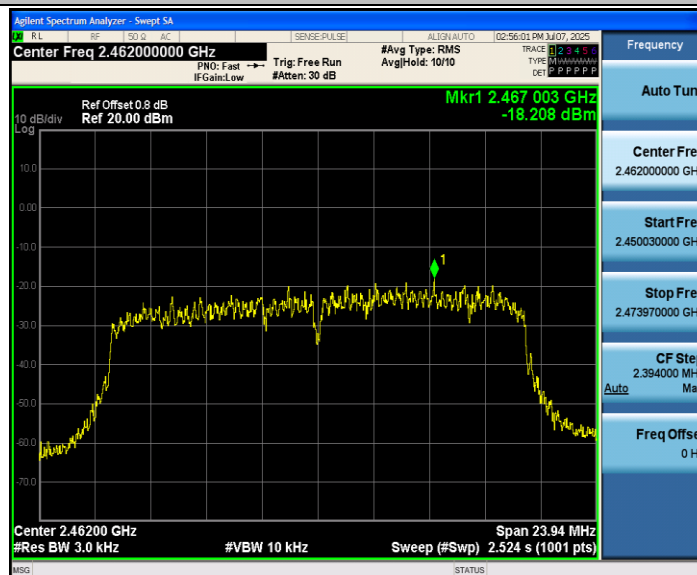
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



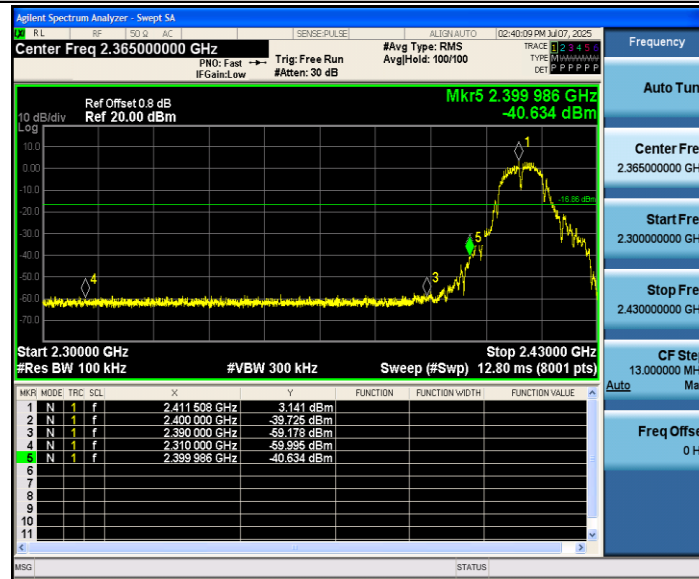
Appendix E: Band edge measurements

Test Result

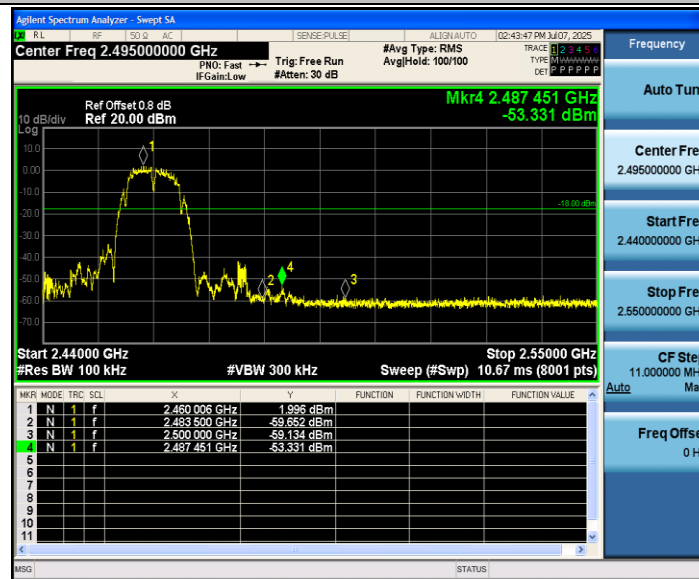
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.14	-40.63	≤-16.86	PASS
		High	2462	2.00	-53.33	≤-18	PASS
11G	Ant1	Low	2412	-1.10	-42.66	≤-21.1	PASS
		High	2462	-2.17	-53.85	≤-22.17	PASS
11N20SISO	Ant1	Low	2412	-0.90	-38.72	≤-20.9	PASS
		High	2462	-2.26	-51.57	≤-22.26	PASS

Test Graphs

11B_Ant1_Low_2412



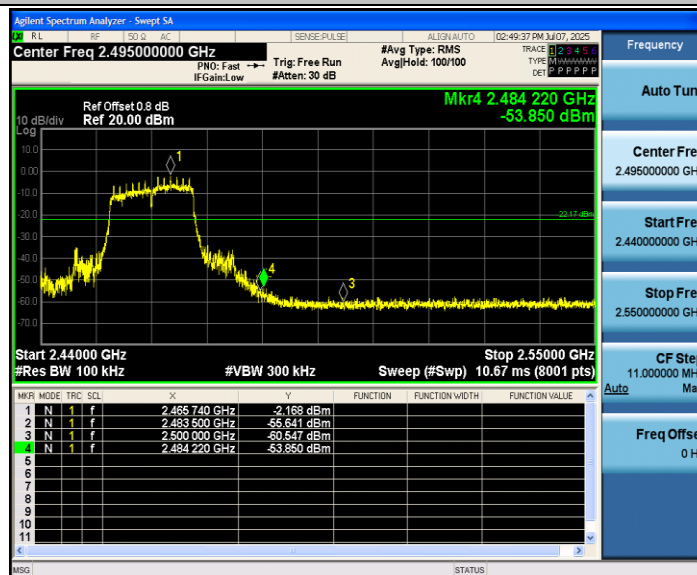
11B_Ant1_High_2462



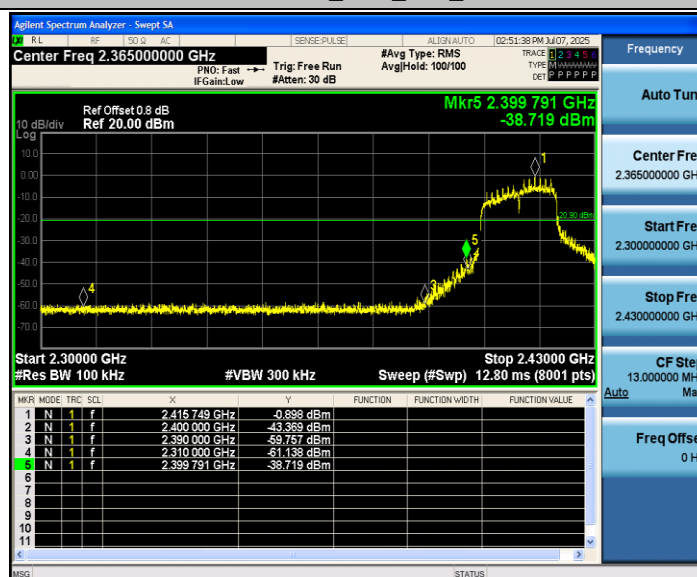
11G_Ant1_Low_2412



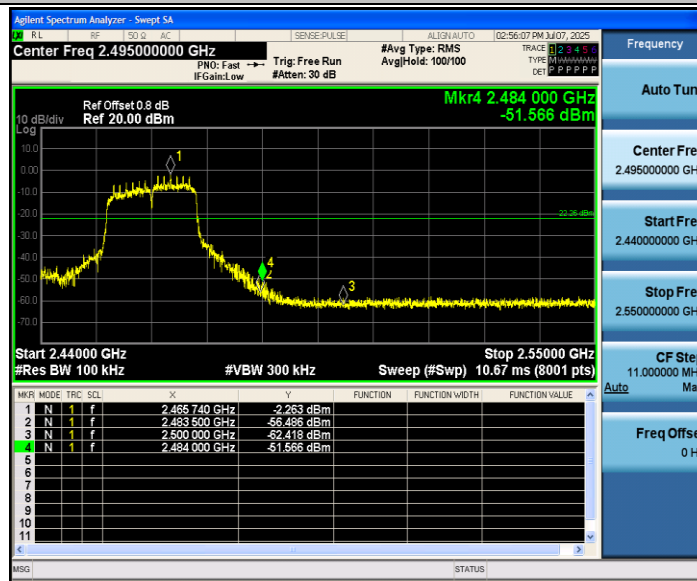
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

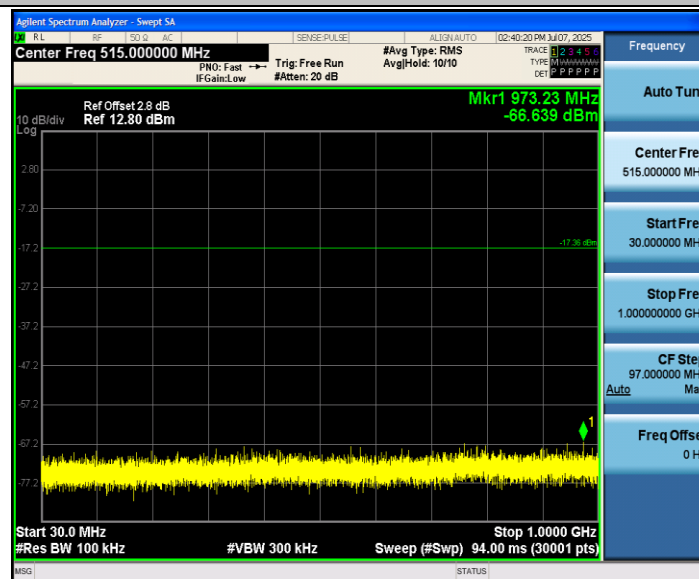
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.64	2.64	---	PASS
			30~1000	2.64	-66.64	≤-17.36	PASS
			1000~26500	2.64	-40.64	≤-17.36	PASS
		2437	Reference	0.05	0.05	---	PASS
			30~1000	0.05	-66.11	≤-19.95	PASS
			1000~26500	0.05	-40.78	≤-19.95	PASS
		2462	Reference	1.38	1.38	---	PASS
			30~1000	1.38	-67.62	≤-18.62	PASS
			1000~26500	1.38	-43.24	≤-18.62	PASS
11G	Ant1	2412	Reference	-1.07	-1.07	---	PASS
			30~1000	-1.07	-66.73	≤-21.07	PASS
			1000~26500	-1.07	-54.31	≤-21.07	PASS
		2437	Reference	-3.24	-3.24	---	PASS
			30~1000	-3.24	-63.55	≤-23.24	PASS
			1000~26500	-3.24	-47.72	≤-23.24	PASS
		2462	Reference	-2.70	-2.70	---	PASS
			30~1000	-2.70	-67.16	≤-22.7	PASS
			1000~26500	-2.70	-47.51	≤-22.7	PASS
11N20SISO	Ant1	2412	Reference	-3.15	-3.15	---	PASS
			30~1000	-3.15	-67.41	≤-23.15	PASS
			1000~26500	-3.15	-50.43	≤-23.15	PASS
		2437	Reference	-2.83	-2.83	---	PASS
			30~1000	-2.83	-67.31	≤-22.83	PASS
			1000~26500	-2.83	-47.31	≤-22.83	PASS
		2462	Reference	-2.30	-2.30	---	PASS
			30~1000	-2.30	-66.75	≤-22.3	PASS
			1000~26500	-2.30	-50.64	≤-22.3	PASS

Test Graphs

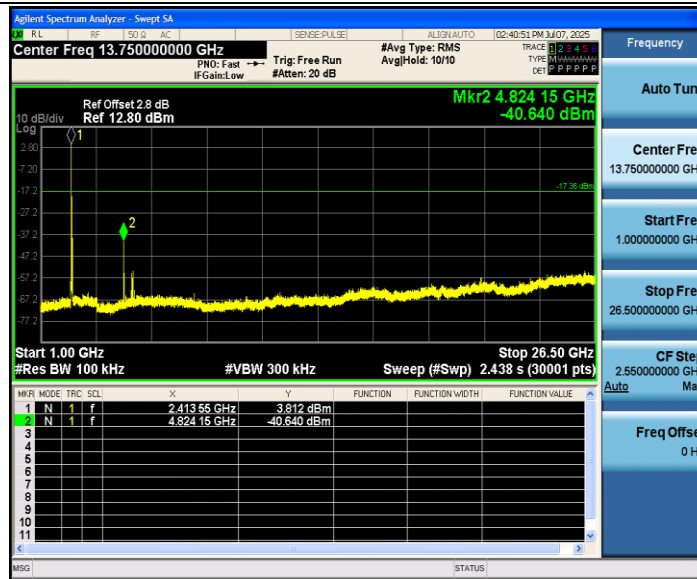
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



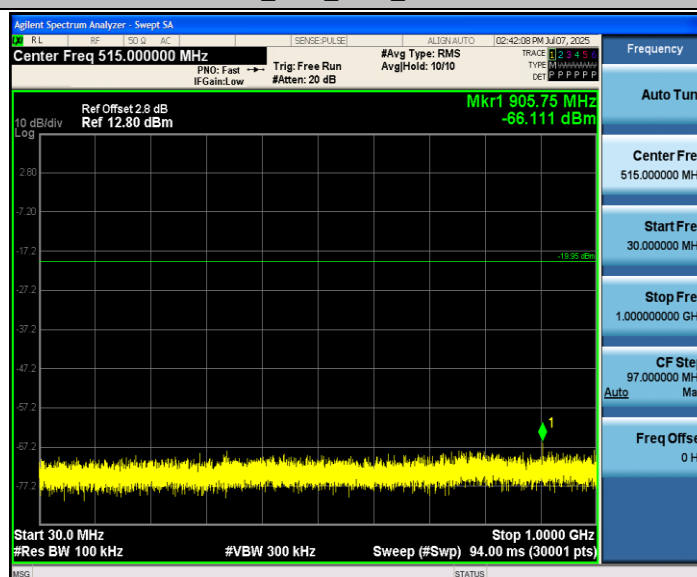
11B_Ant1_2412_1000~26500



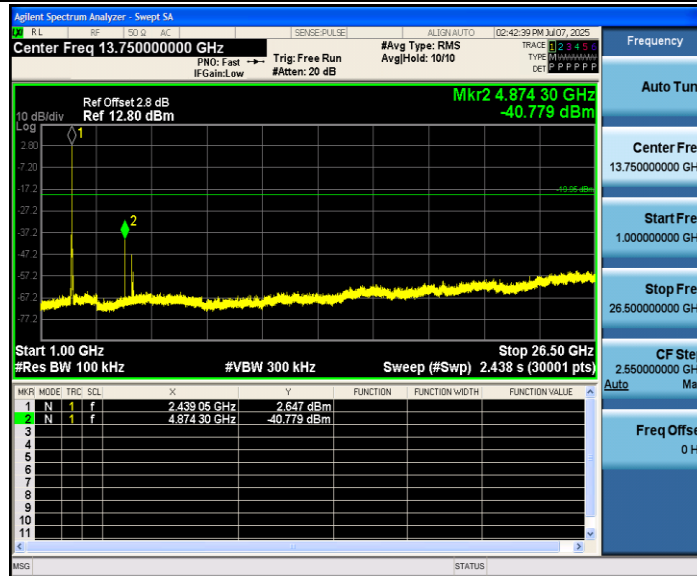
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



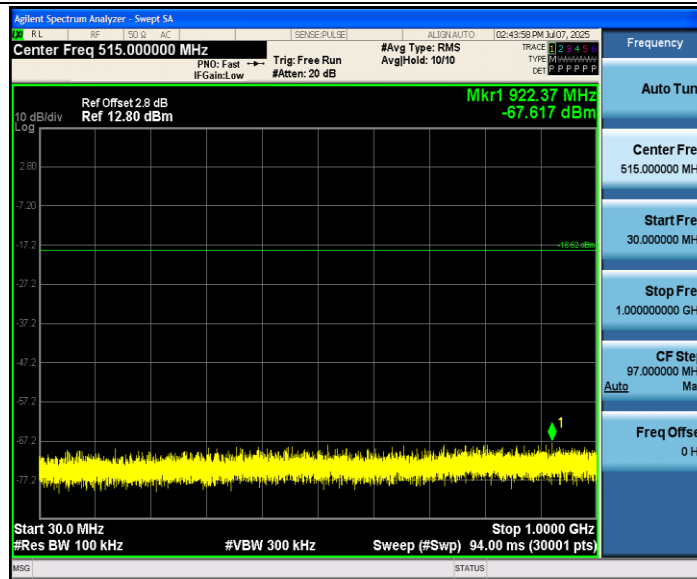
11B_Ant1_2437_1000~26500



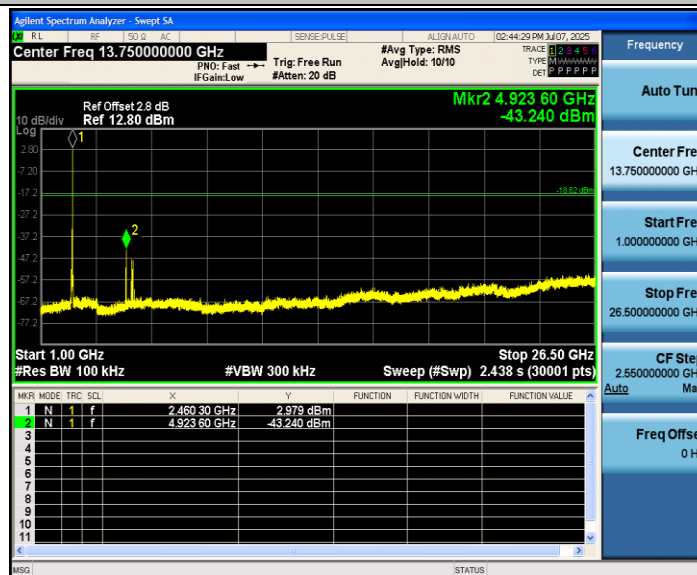
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



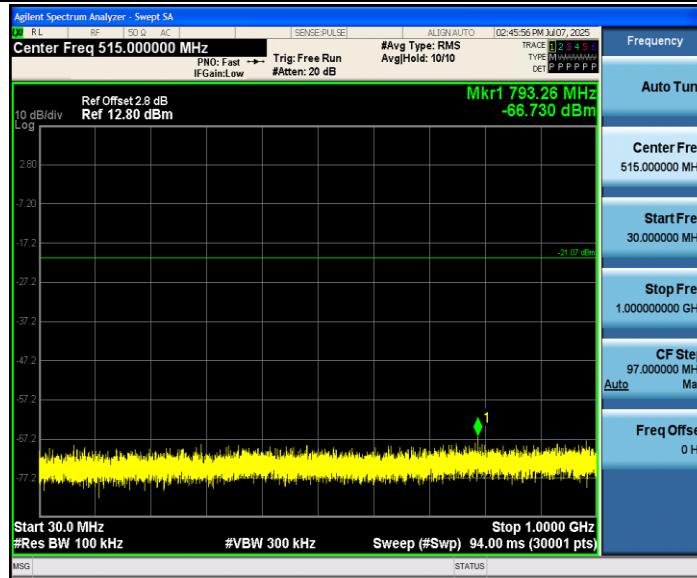
11B_Ant1_2462_1000~26500



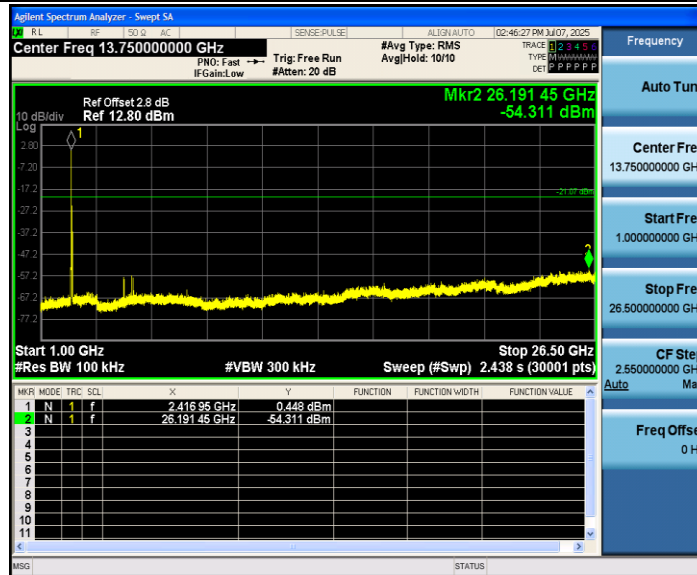
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



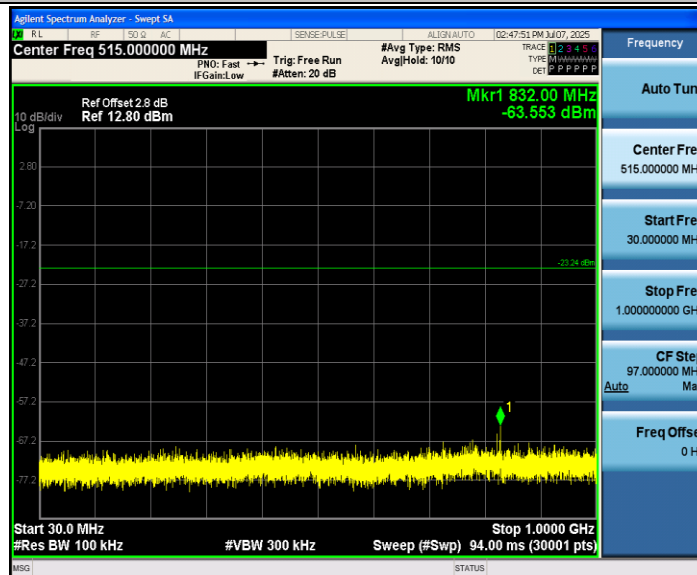
11G_Ant1_2412_1000~26500



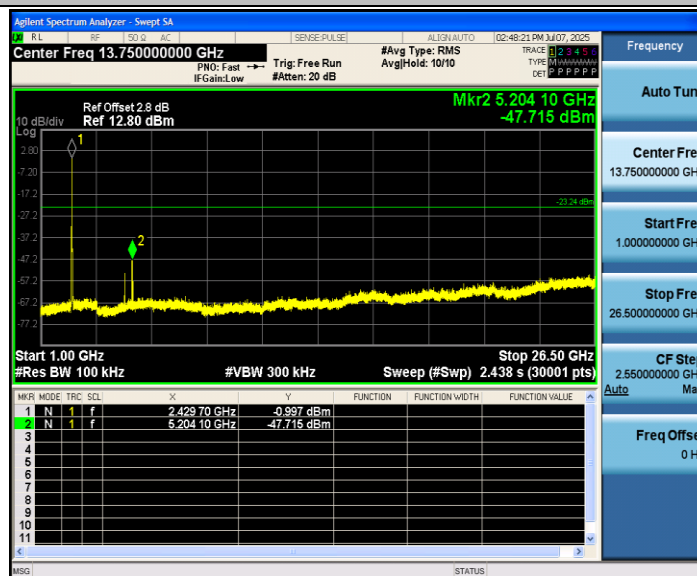
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



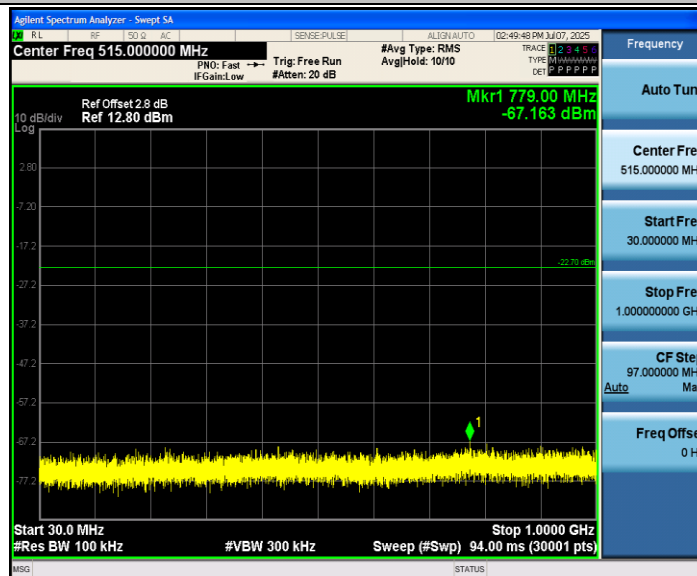
11G_Ant1_2437_1000~26500



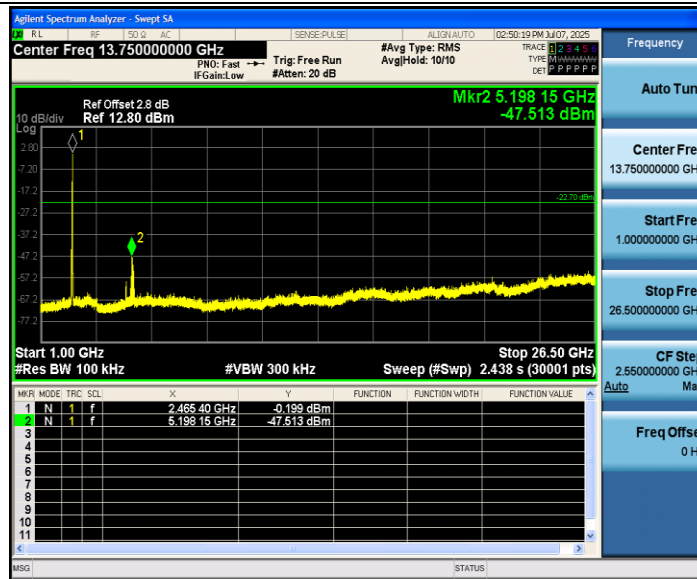
11G_Ant1_2462_0~Reference



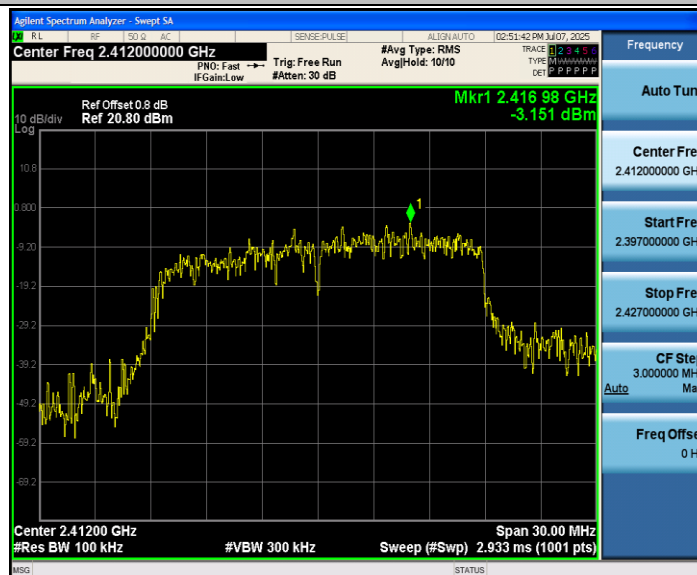
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

