

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BKV5-SC-02

Company : Shenzhen Top Smart Technology Co., Ltd

EUT : foldable camera

Model Number : SC-02

Report No. : CTA26072204401

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	10.240	2431.920	2442.160	0.5	PASS
		2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	15.960	2404.080	2420.040	0.5	PASS
		2437	15.720	2429.080	2444.800	0.5	PASS
		2462	15.560	2454.080	2469.640	0.5	PASS
11N20SISO	Ant1	2412	16.880	2403.440	2420.320	0.5	PASS
		2437	16.520	2428.480	2445.000	0.5	PASS
		2462	17.040	2453.520	2470.560	0.5	PASS
11N40SISO	Ant1	2422	34.880	2405.040	2439.920	0.5	PASS
		2437	35.520	2419.480	2455.000	0.5	PASS
		2452	35.840	2434.320	2470.160	0.5	PASS

Test Graphs

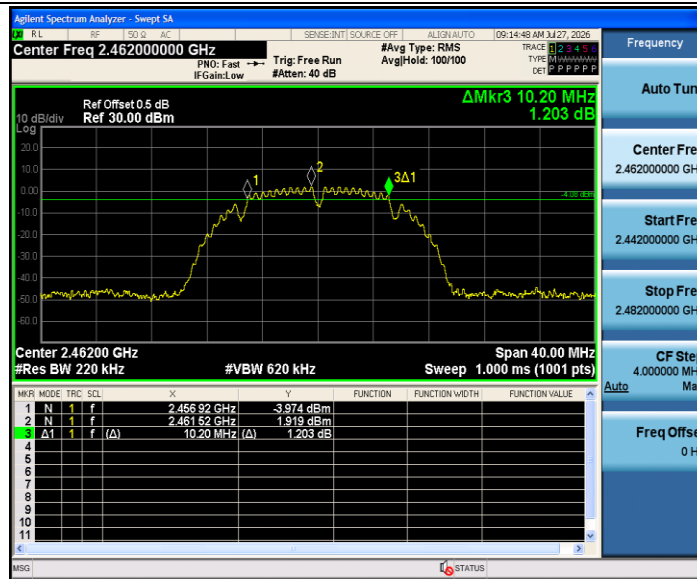
11B_Ant1_2412



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



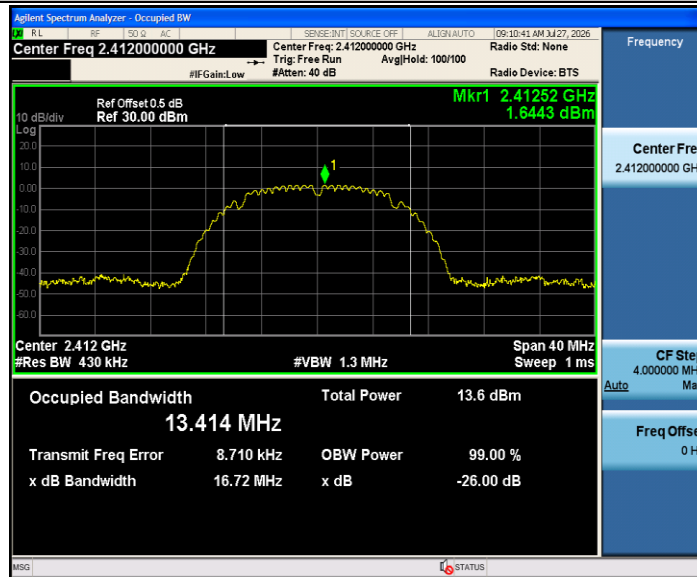
Appendix B: Occupied Channel Bandwidth

Test Result

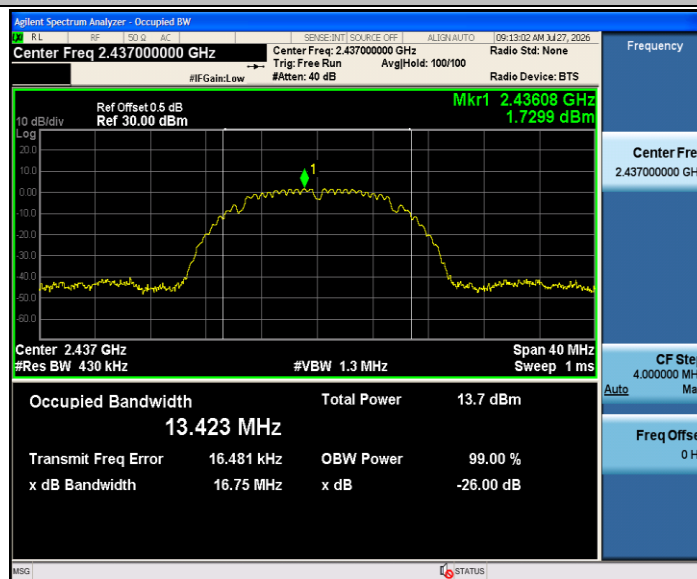
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.414	2405.3017	2418.7157	---	---
		2437	13.423	2430.3050	2443.7280	---	---
		2462	13.421	2455.3160	2468.7370	---	---
11G	Ant1	2412	16.747	2403.6618	2420.4088	---	---
		2437	16.817	2428.6272	2445.4442	---	---
		2462	16.901	2453.5905	2470.4915	---	---
11N20SISO	Ant1	2412	17.886	2403.0796	2420.9656	---	---
		2437	17.905	2428.0505	2445.9555	---	---
		2462	17.885	2453.0774	2470.9624	---	---
11N40SISO	Ant1	2422	36.073	2404.1166	2440.1896	---	---
		2437	36.073	2419.1048	2455.1778	---	---
		2452	36.136	2434.0848	2470.2208	---	---

Test Graphs

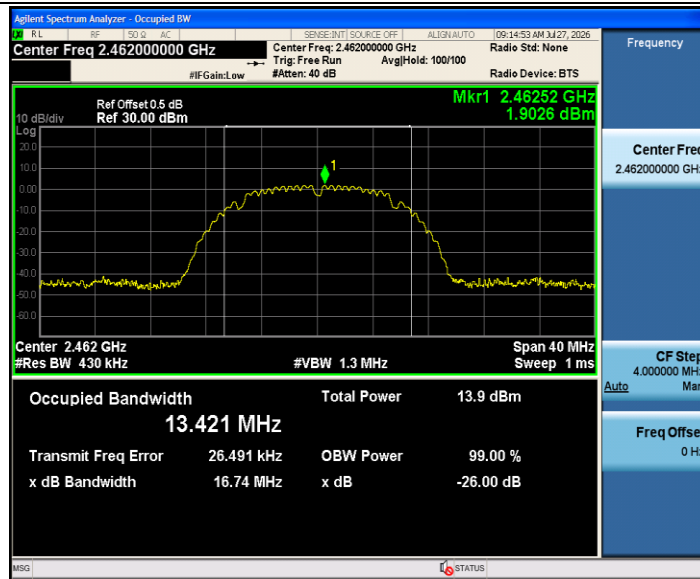
11B_Ant1_2412



11B_Ant1_2437



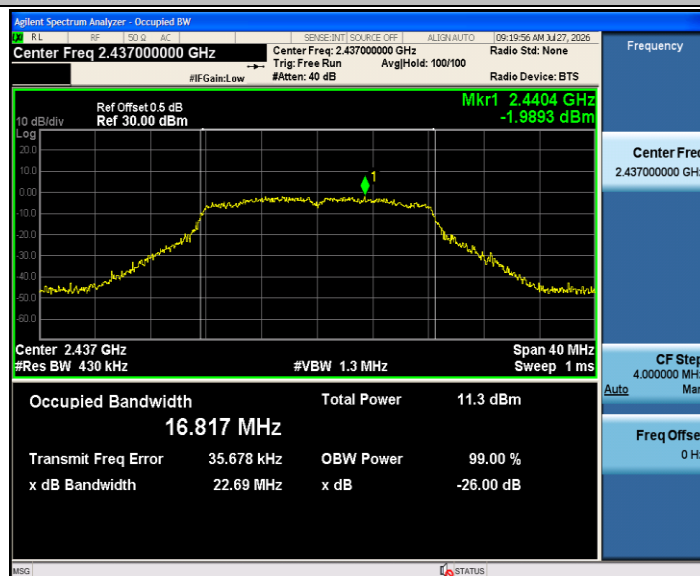
11B_Ant1_2462



11G_Ant1_2412



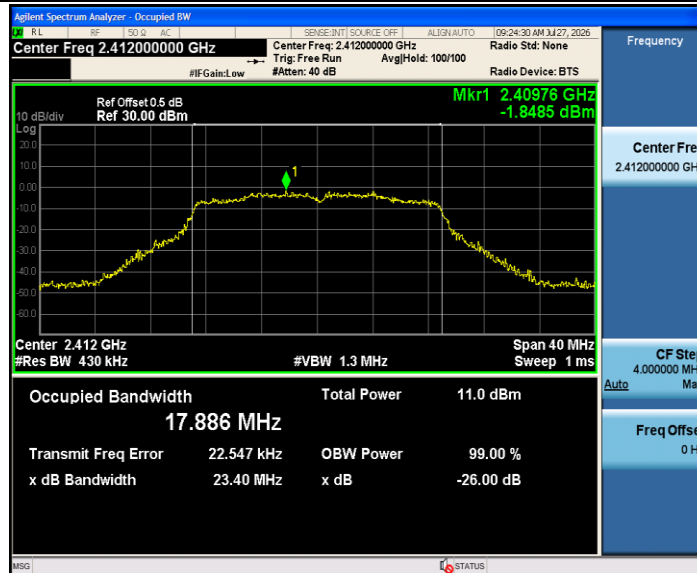
11G_Ant1_2437



11G_Ant1_2462



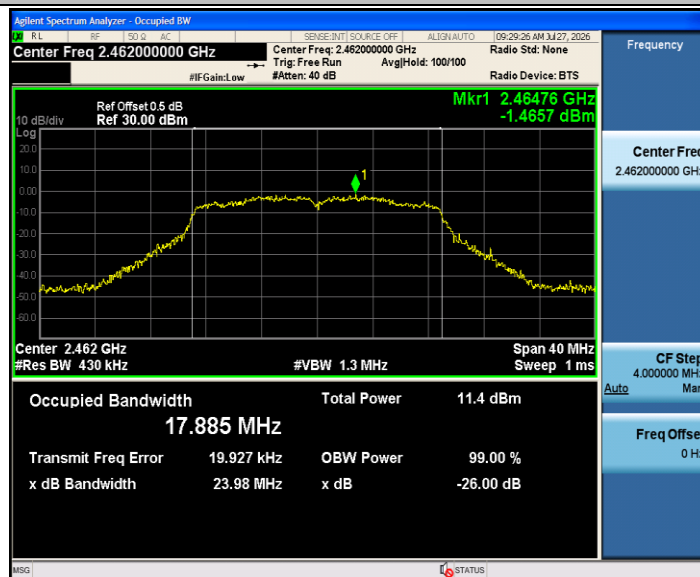
11N20SISO_Ant1_2412



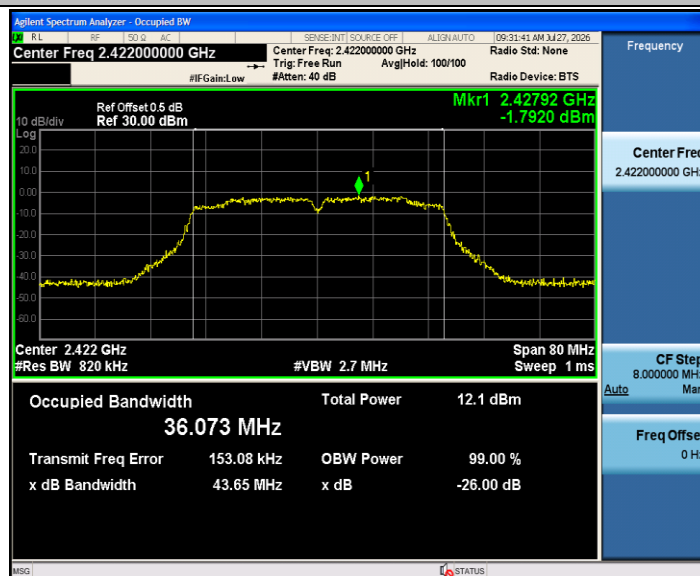
11N20SISO_Ant1_2437



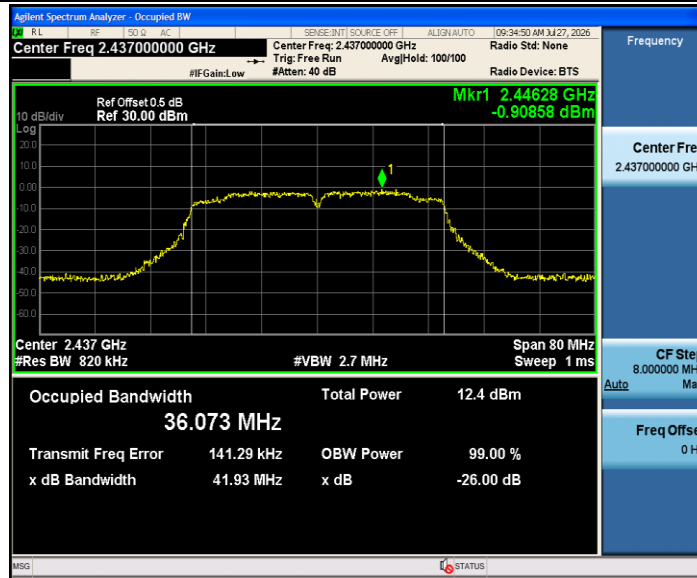
11N20SISO_Ant1_2462



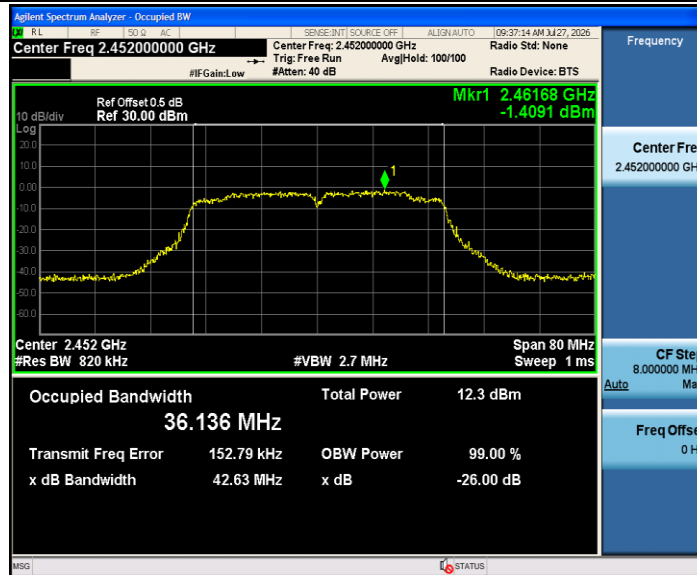
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[M Hz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.22	≤30.00	PASS
		2437	13.40	≤30.00	PASS
		2462	13.55	≤30.00	PASS
11G	Ant1	2412	12.00	≤30.00	PASS
		2437	12.15	≤30.00	PASS
		2462	12.31	≤30.00	PASS
11N20SISO	Ant1	2412	11.94	≤30.00	PASS
		2437	11.98	≤30.00	PASS
		2462	12.19	≤30.00	PASS
11N40SISO	Ant1	2422	12.15	≤30.00	PASS
		2437	12.57	≤30.00	PASS
		2452	12.38	≤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	-12.50	≤8.00	PASS
		2437	-12.99	≤8.00	PASS
		2462	-12.64	≤8.00	PASS
11G	Ant1	2412	-19.42	≤8.00	PASS
		2437	-19.77	≤8.00	PASS
		2462	-18.83	≤8.00	PASS
11N20SISO	Ant1	2412	-19.91	≤8.00	PASS
		2437	-19.64	≤8.00	PASS
		2462	-19.52	≤8.00	PASS
11N40SISO	Ant1	2422	-21.25	≤8.00	PASS
		2437	-21.43	≤8.00	PASS
		2452	-22.02	≤8.00	PASS

Test Graphs

11B_Ant1_2412



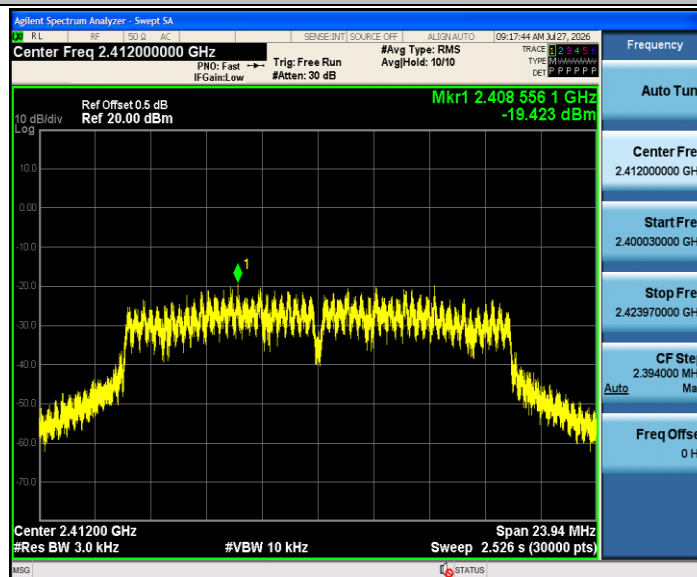
11B_Ant1_2437



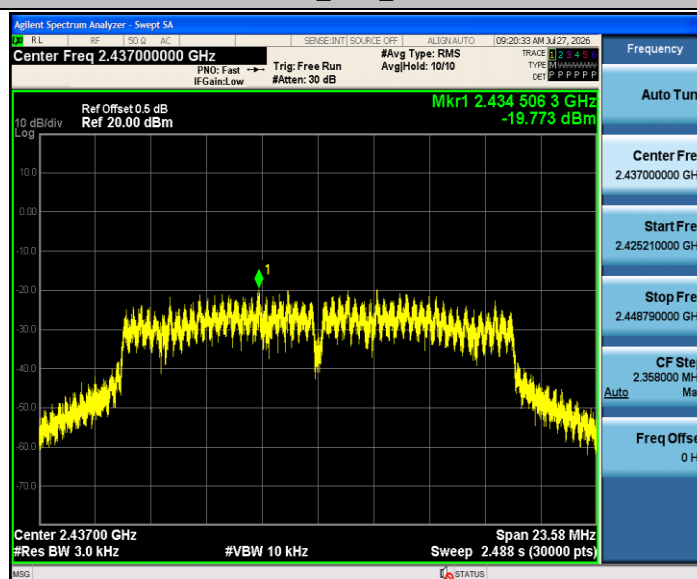
11B_Ant1_2462



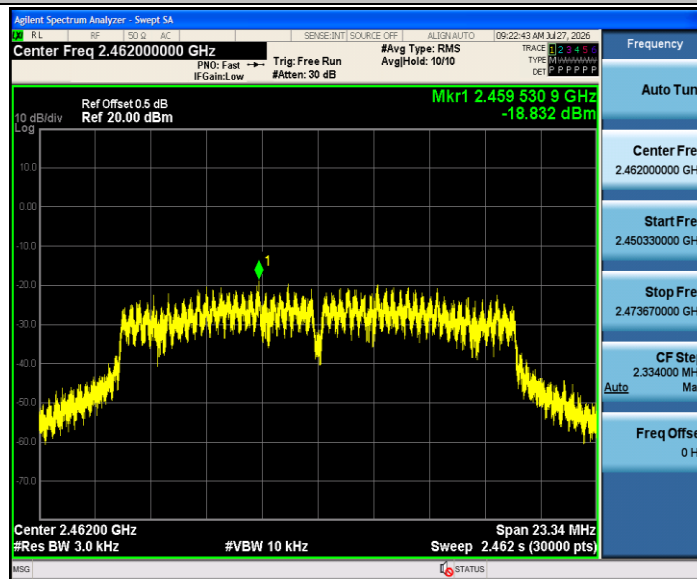
11G_Ant1_2412



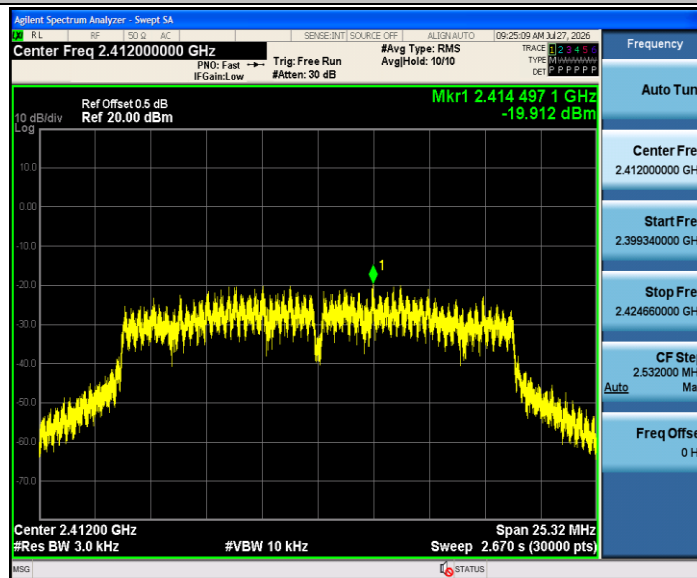
11G_Ant1_2437



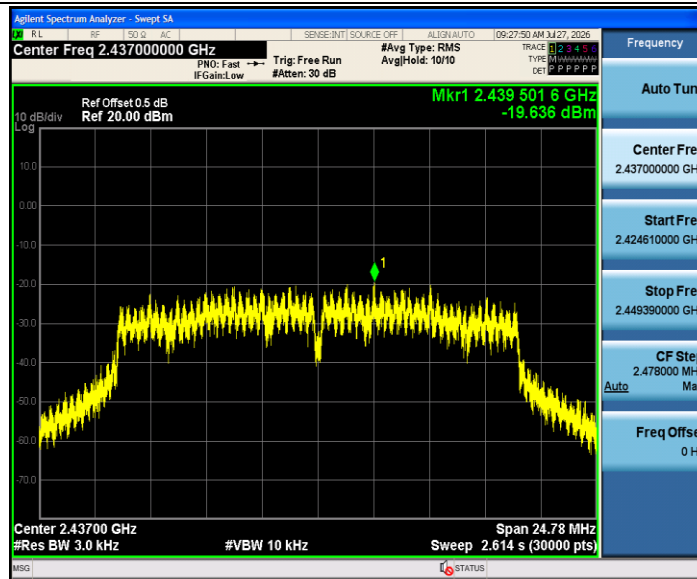
11G_Ant1_2462



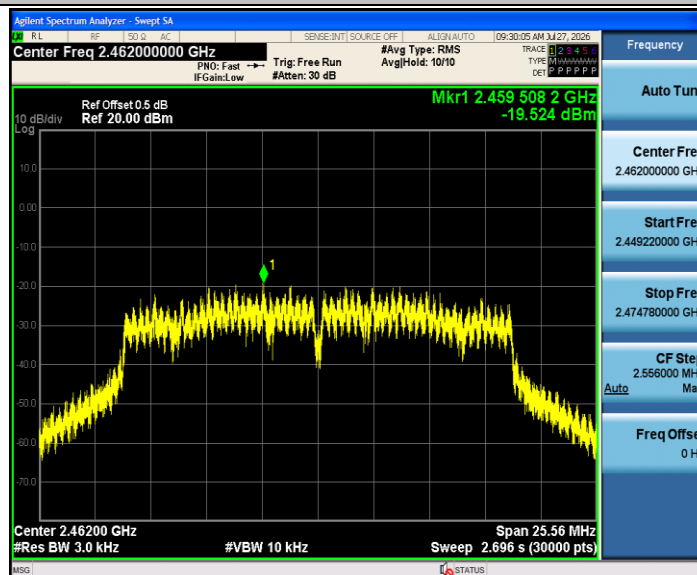
11N20SISO_Ant1_2412



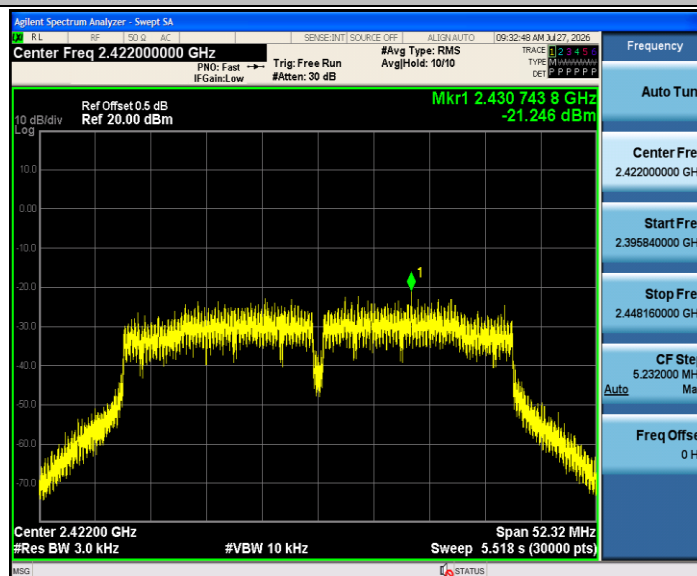
11N20SISO_Ant1_2437



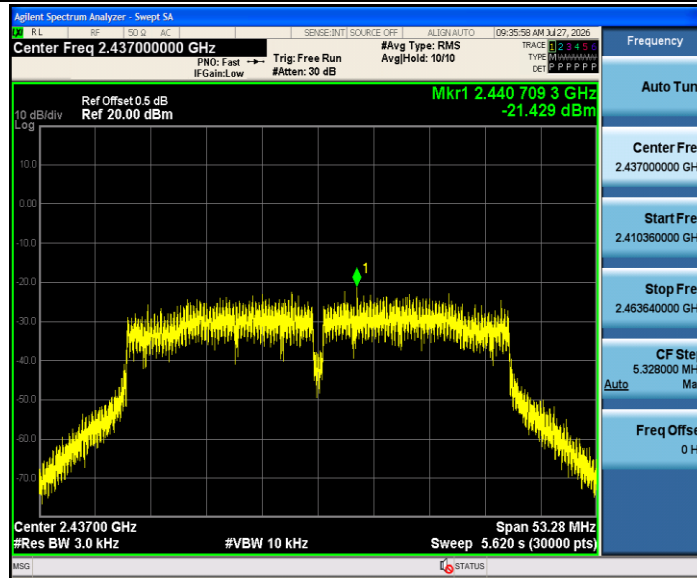
11N20SISO_Ant1_2462



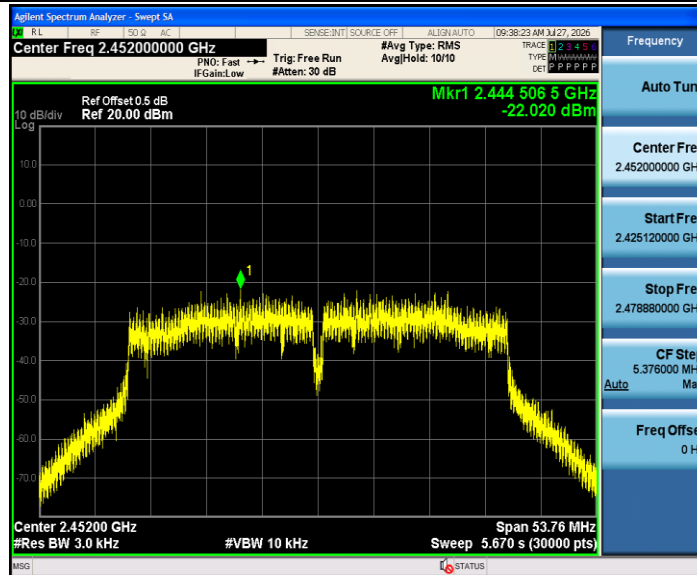
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



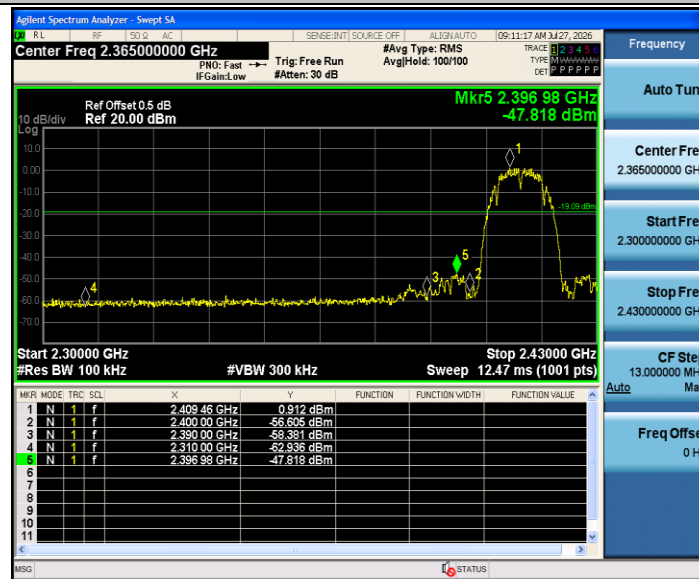
Appendix E: Band edge measurements

Test Result

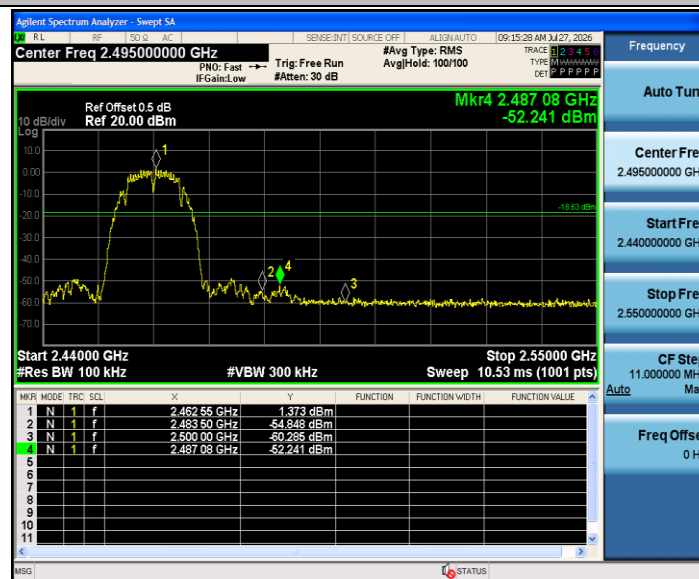
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.91	-47.82	≤-19.09	PASS
		High	2462	1.37	-52.24	≤-18.63	PASS
11G	Ant1	Low	2412	-4.40	-34.97	≤-24.4	PASS
		High	2462	-4.05	-57.75	≤-24.05	PASS
11N20SISO	Ant1	Low	2412	-4.51	-35.15	≤-24.51	PASS
		High	2462	-4.27	-56.77	≤-24.27	PASS
11N40SISO	Ant1	Low	2422	-7.54	-36.24	≤-27.54	PASS
		High	2452	-7.40	-57.73	≤-27.4	PASS

Test Graphs

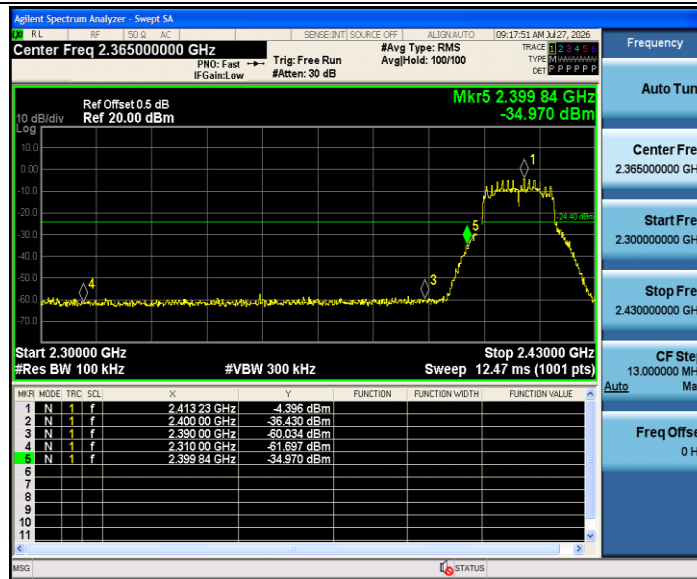
11B_Ant1_Low_2412



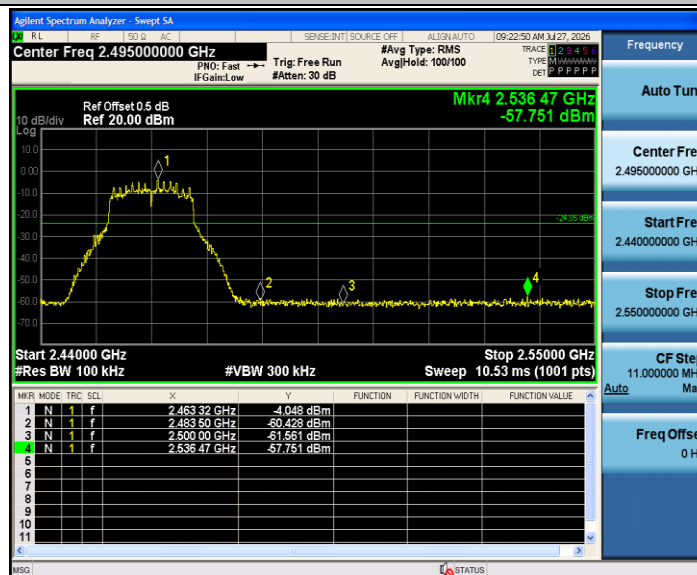
11B_Ant1_High_2462



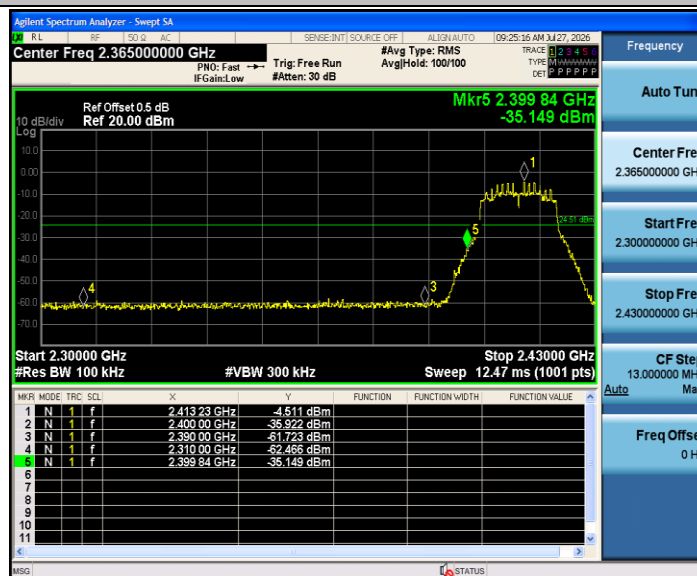
11G_Ant1_Low_2412



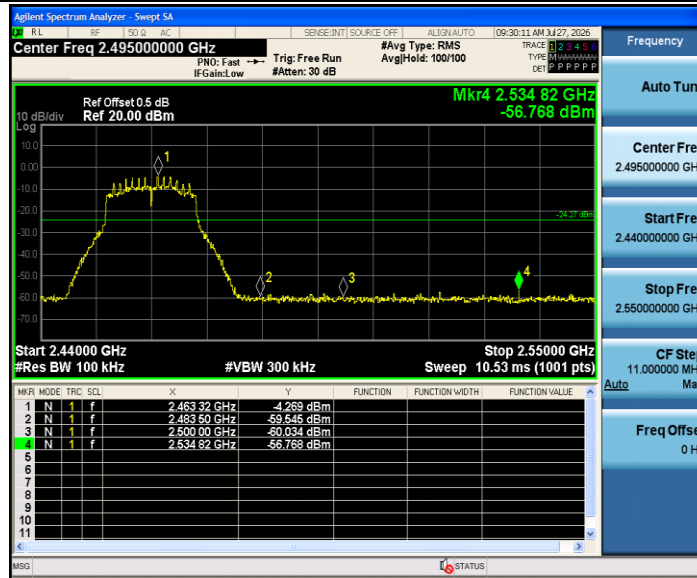
11G_Ant1_High_2462



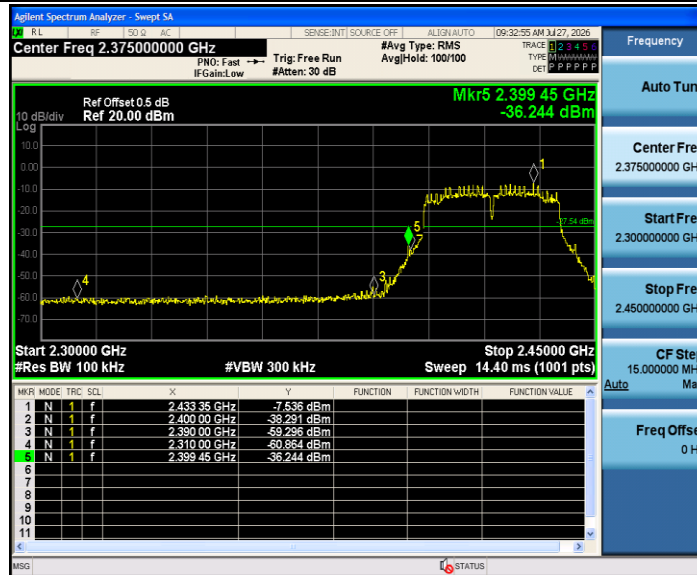
11N20SISO_Ant1_Low_2412



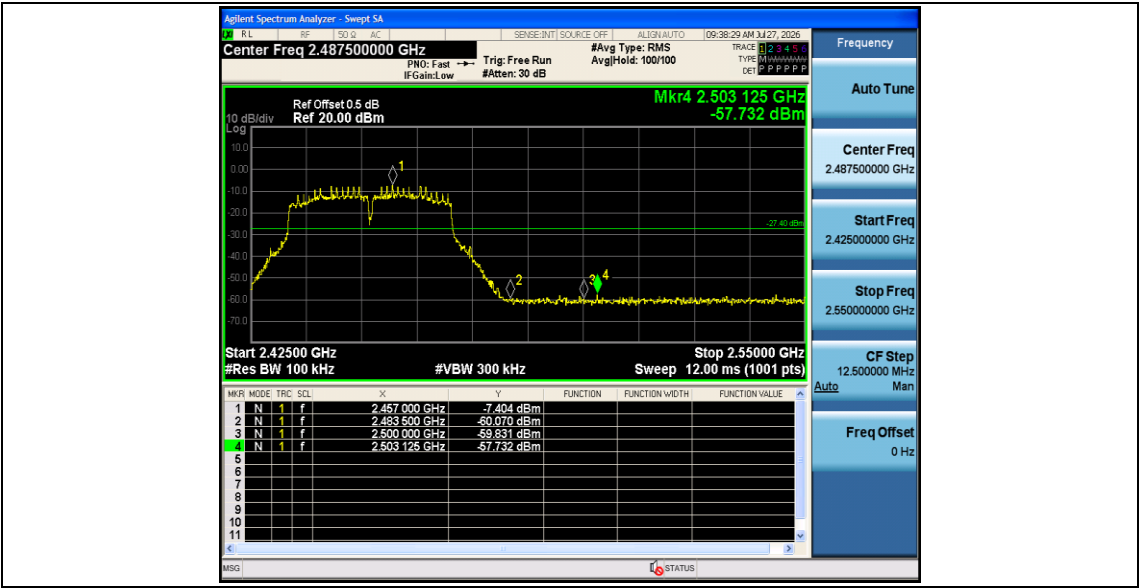
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

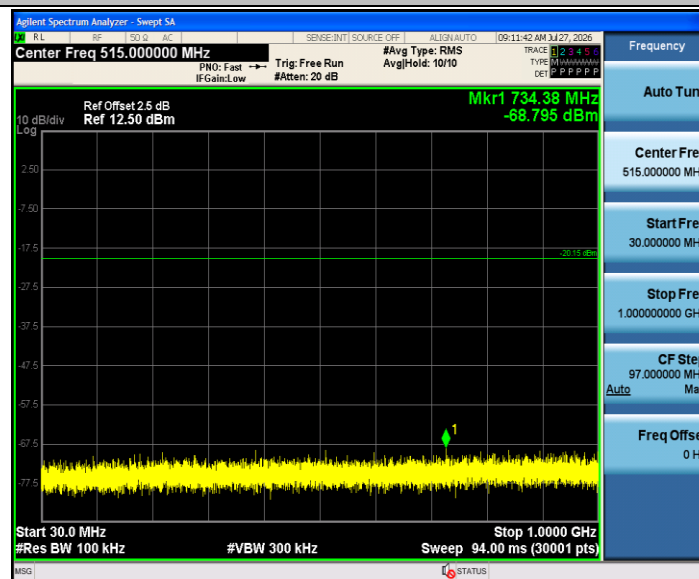
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.15	-0.15	---	PASS
			30~1000	-0.15	-68.8	≤-20.15	PASS
			1000~26500	-0.15	-46.28	≤-20.15	PASS
		2437	Reference	-0.40	-0.40	---	PASS
			30~1000	-0.40	-69.17	≤-20.4	PASS
			1000~26500	-0.40	-46.94	≤-20.4	PASS
		2462	Reference	0.94	0.94	---	PASS
			30~1000	0.94	-68.92	≤-19.06	PASS
			1000~26500	0.94	-46.12	≤-19.06	PASS
11G	Ant1	2412	Reference	-4.53	-4.53	---	PASS
			30~1000	-4.53	-69.09	≤-24.53	PASS
			1000~26500	-4.53	-46.28	≤-24.53	PASS
		2437	Reference	-4.31	-4.31	---	PASS
			30~1000	-4.31	-68.92	≤-24.31	PASS
			1000~26500	-4.31	-46.78	≤-24.31	PASS
		2462	Reference	-4.56	-4.56	---	PASS
			30~1000	-4.56	-69.17	≤-24.56	PASS
			1000~26500	-4.56	-46.46	≤-24.56	PASS
11N20SISO	Ant1	2412	Reference	-4.44	-4.44	---	PASS
			30~1000	-4.44	-68.94	≤-24.44	PASS
			1000~26500	-4.44	-46.31	≤-24.44	PASS
		2437	Reference	-4.92	-4.92	---	PASS
			30~1000	-4.92	-68.82	≤-24.92	PASS
			1000~26500	-4.92	-46.63	≤-24.92	PASS
		2462	Reference	-4.82	-4.82	---	PASS
			30~1000	-4.82	-68.64	≤-24.82	PASS
			1000~26500	-4.82	-46.77	≤-24.82	PASS
11N40SISO	Ant1	2422	Reference	-8.11	-8.11	---	PASS
			30~1000	-8.11	-68.97	≤-28.11	PASS
			1000~26500	-8.11	-46.85	≤-28.11	PASS
		2437	Reference	-8.10	-8.10	---	PASS
			30~1000	-8.10	-69.17	≤-28.1	PASS
			1000~26500	-8.10	-46.44	≤-28.1	PASS
		2452	Reference	-7.65	-7.65	---	PASS
			30~1000	-7.65	-68.79	≤-27.65	PASS
			1000~26500	-7.65	-46.07	≤-27.65	PASS

Test Graphs

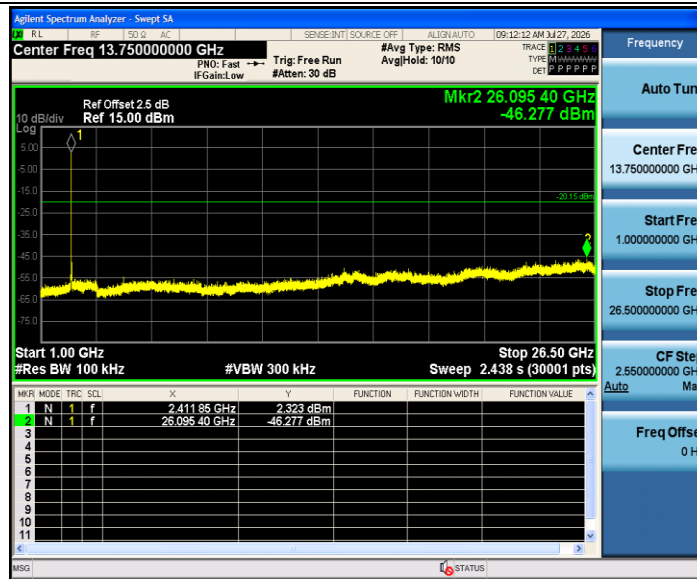
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



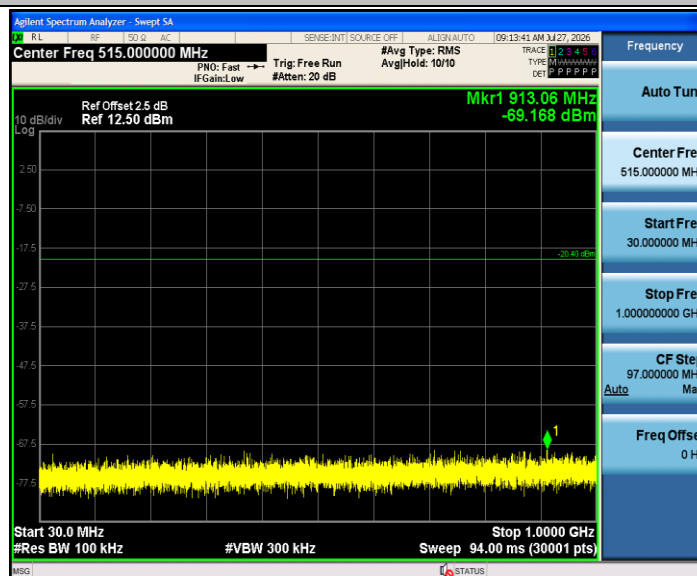
11B_Ant1_2412_1000~26500



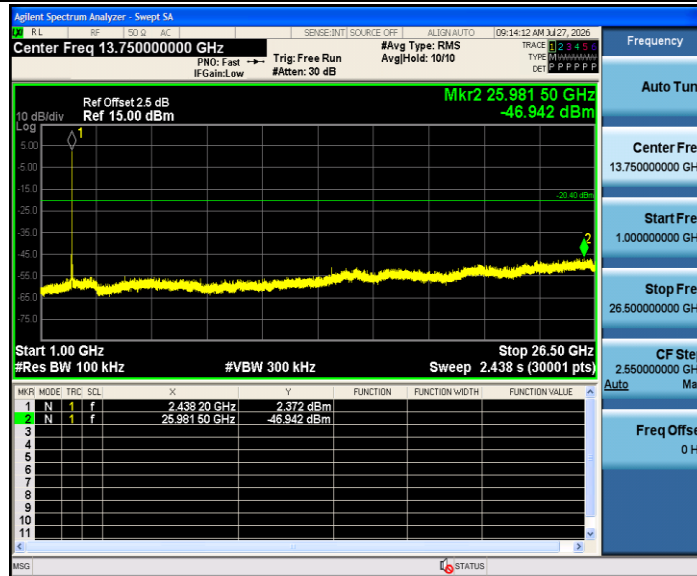
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



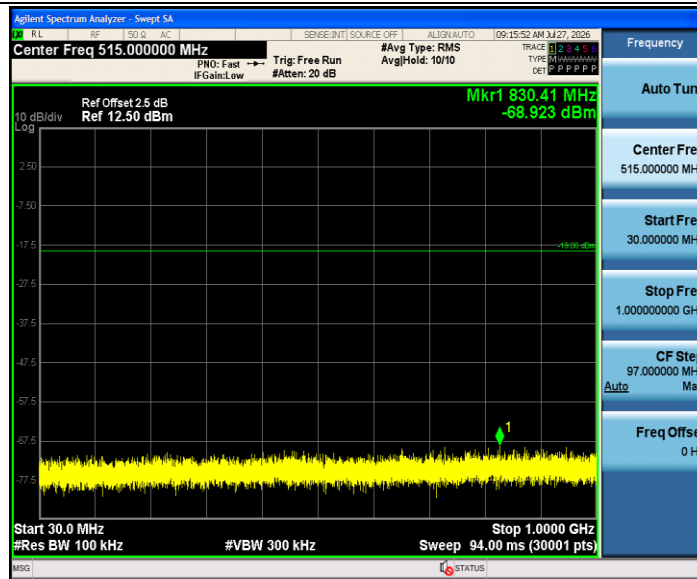
11B_Ant1_2437_1000~26500



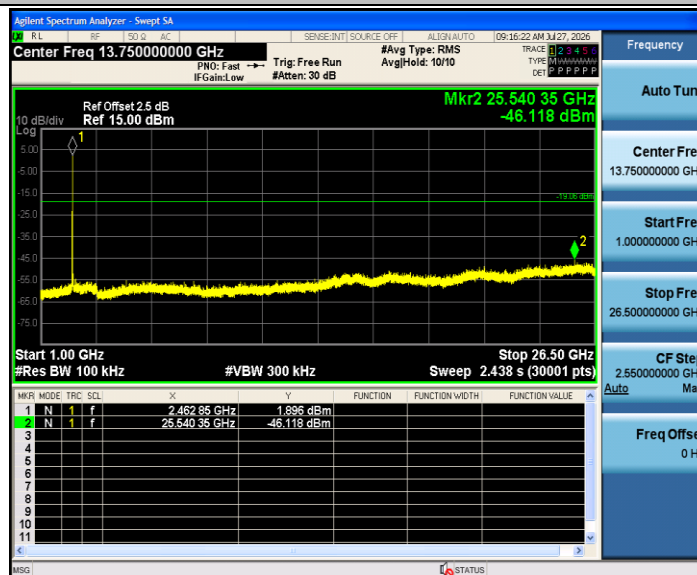
11B_Ant1_2462_0~Reference



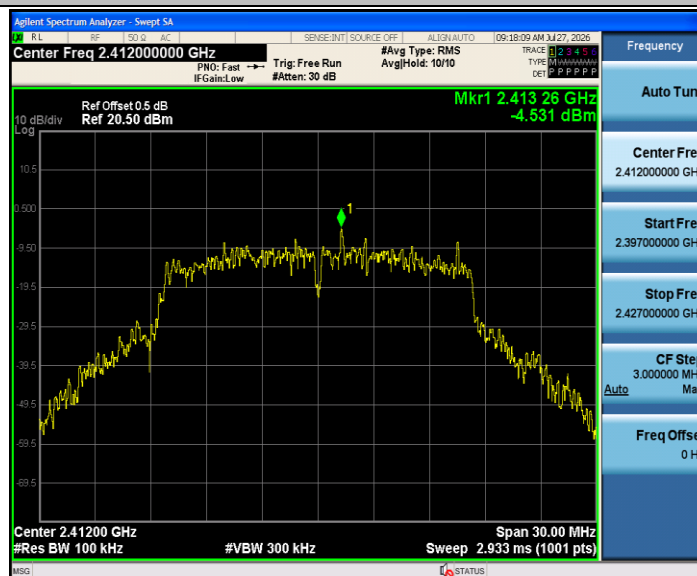
11B_Ant1_2462_30~1000



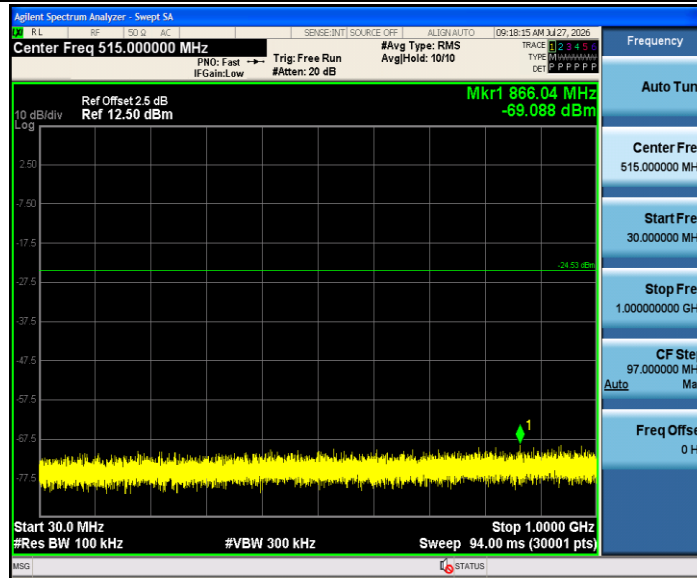
11B_Ant1_2462_1000~26500



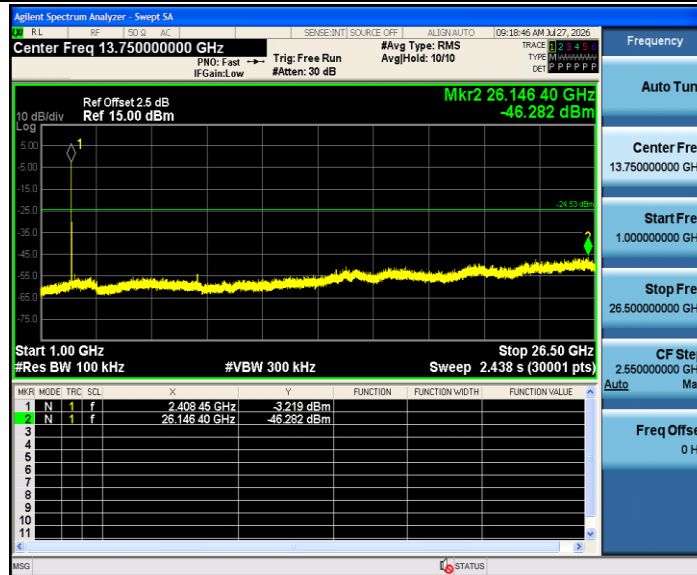
11G_Ant1_2412_0~Reference



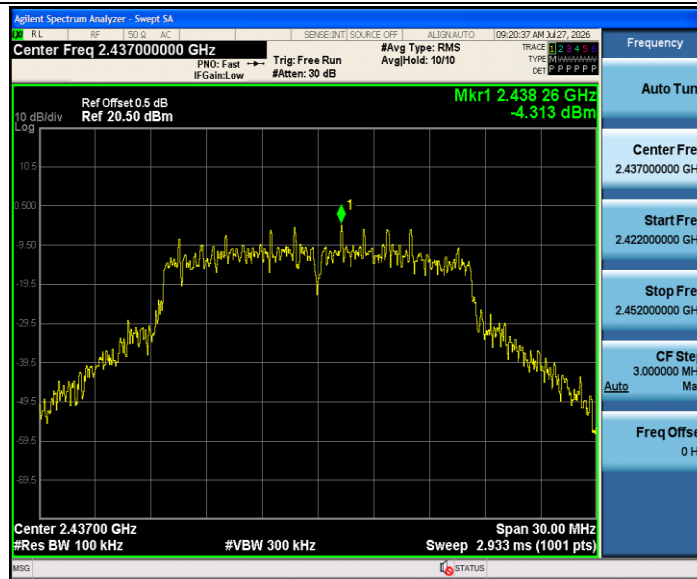
11G_Ant1_2412_30~1000



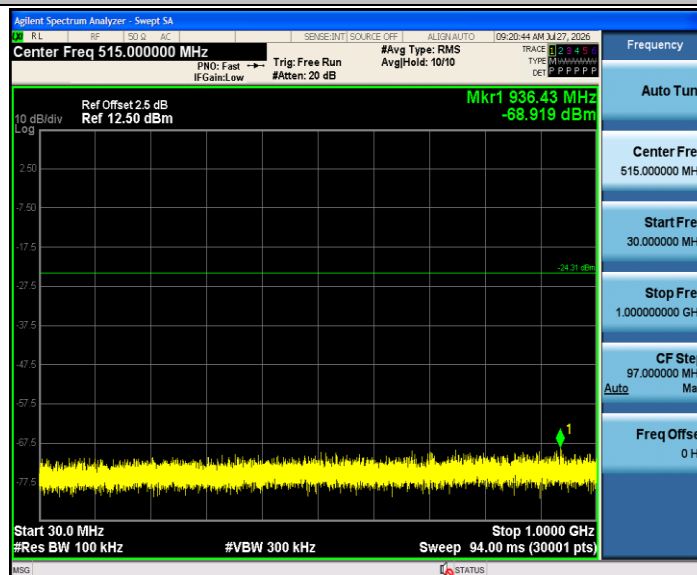
11G_Ant1_2412_1000~26500



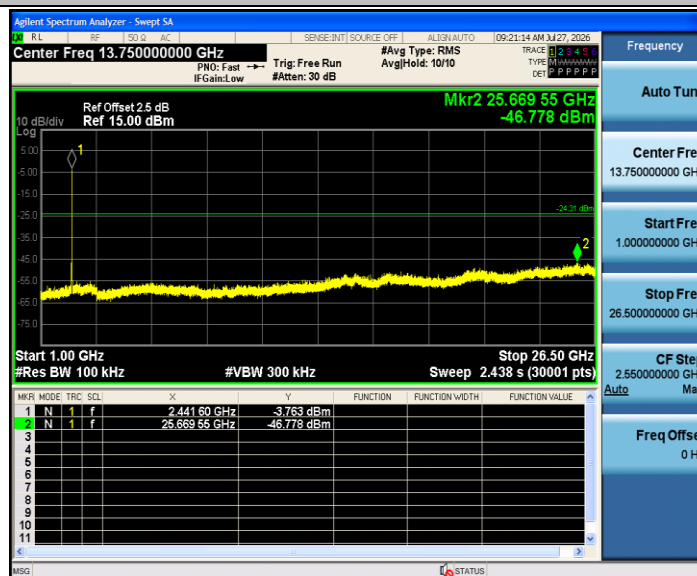
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



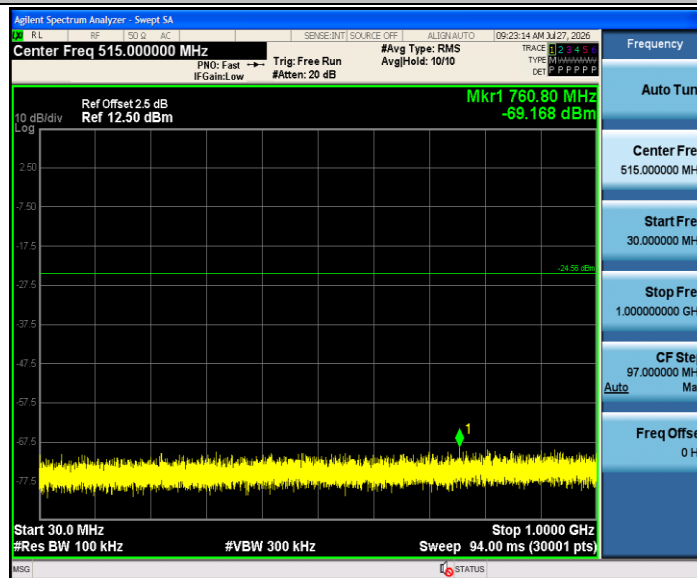
11G_Ant1_2437_1000~26500



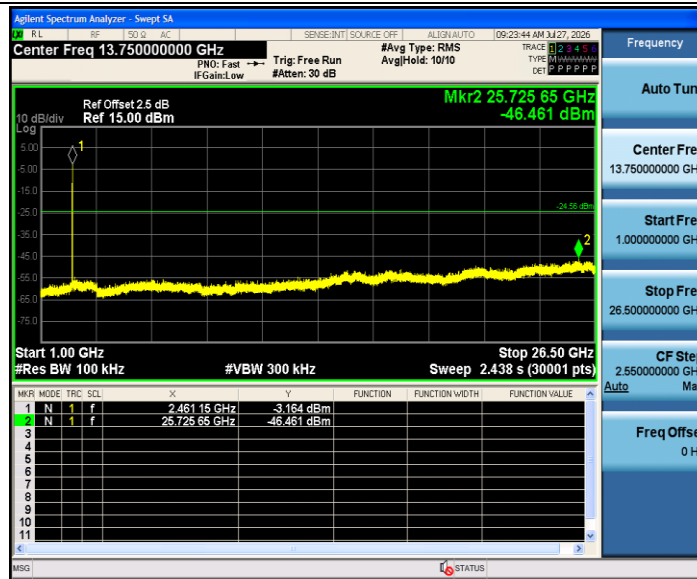
11G_Ant1_2462_0~Reference



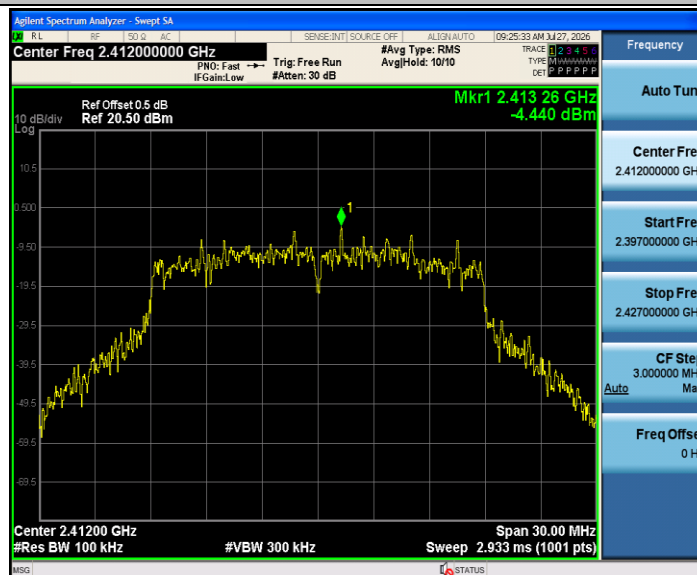
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

