

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BNR7-T50

Company : Shenzhen Baijin Technology Co., Ltd

EUT : Tablet PC

Model Number : T50

Report No. : CTA25092900403

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	10.240	2431.920	2442.160	0.5	PASS
		2462	10.280	2456.880	2467.160	0.5	PASS
11G	Ant1	2412	15.960	2404.200	2420.160	0.5	PASS
		2437	16.040	2429.080	2445.120	0.5	PASS
		2462	16.120	2454.000	2470.120	0.5	PASS
11N20SISO	Ant1	2412	17.200	2403.440	2420.640	0.5	PASS
		2437	17.240	2428.440	2445.680	0.5	PASS
		2462	17.320	2453.400	2470.720	0.5	PASS
11N40SISO	Ant1	2422	35.280	2404.560	2439.840	0.5	PASS
		2437	35.440	2419.480	2454.920	0.5	PASS
		2452	35.760	2434.160	2469.920	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



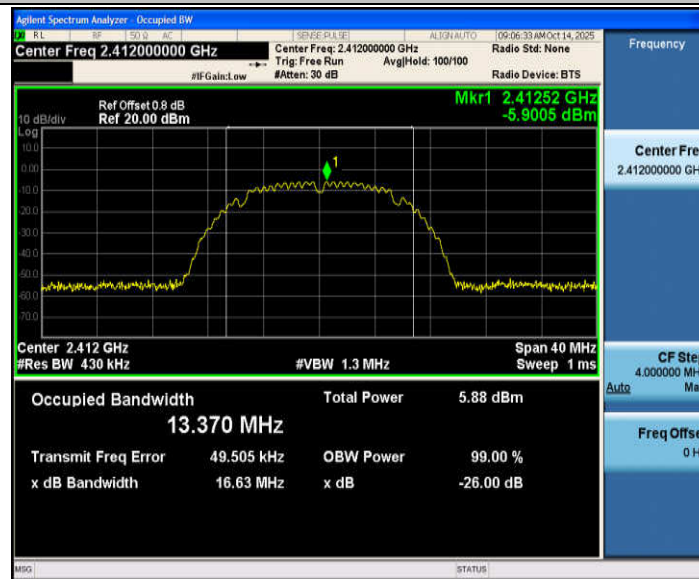
Appendix B: Occupied Channel Bandwidth

Test Result

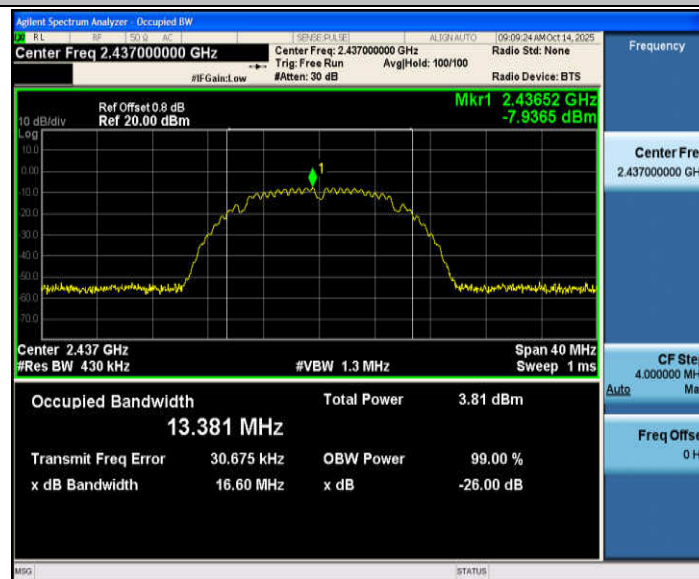
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.370	2405.3645	2418.7345	---	---
		2437	13.381	2430.3402	2443.7212	---	---
		2462	13.386	2455.3167	2468.7027	---	---
11G	Ant1	2412	16.831	2403.6691	2420.5001	---	---
		2437	16.774	2428.6547	2445.4287	---	---
		2462	16.903	2453.5601	2470.4631	---	---
11N20SISO	Ant1	2412	17.876	2403.1022	2420.9782	---	---
		2437	17.889	2428.0805	2445.9695	---	---
		2462	17.880	2453.0880	2470.9680	---	---
11N40SISO	Ant1	2422	35.963	2404.1521	2440.1151	---	---
		2437	36.041	2419.0523	2455.0933	---	---
		2452	36.021	2434.0711	2470.0921	---	---

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



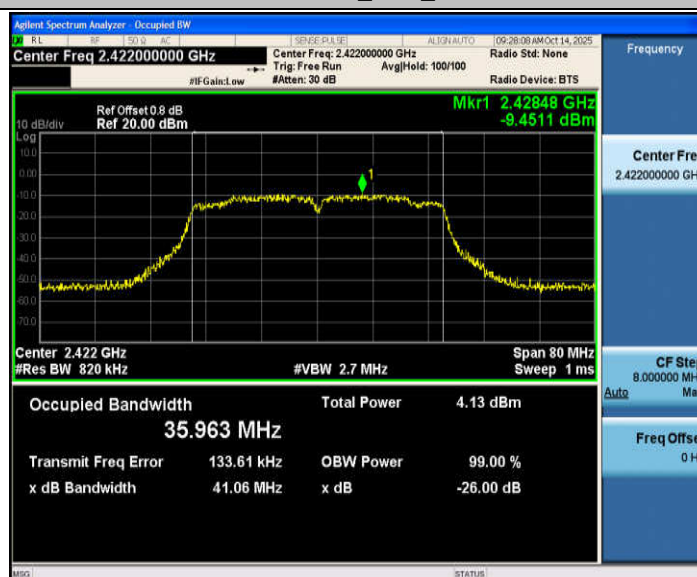
11N20SISO_Ant1_2437



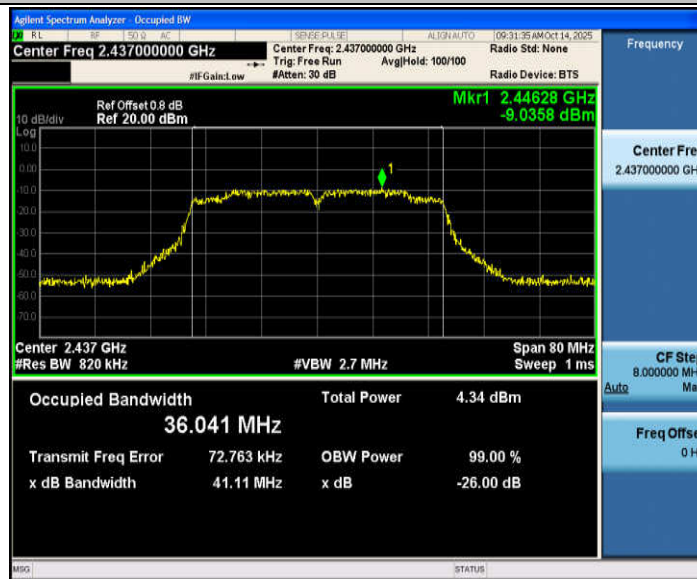
11N20SISO_Ant1_2462



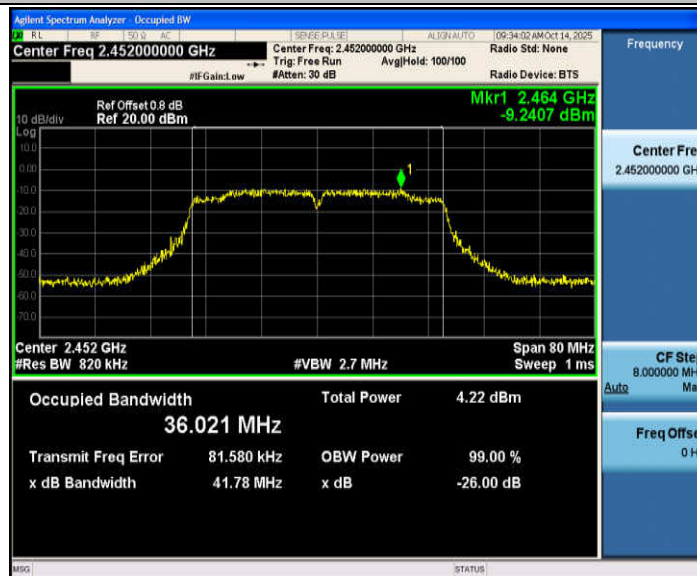
11N40SISO_Ant1_2422



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	3.44	≤30.00	PASS
		2437	3.58	≤30.00	PASS
		2462	3.49	≤30.00	PASS
11G	Ant1	2412	4.38	≤30.00	PASS
		2437	4.10	≤30.00	PASS
		2462	4.07	≤30.00	PASS
11N20SISO	Ant1	2412	3.63	≤30.00	PASS
		2437	3.98	≤30.00	PASS
		2462	3.95	≤30.00	PASS
11N40SISO	Ant1	2422	4.35	≤30.00	PASS
		2437	4.49	≤30.00	PASS
		2452	4.47	≤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	-22.60	≤8.00	PASS
		2437	-23.16	≤8.00	PASS
		2462	-22.31	≤8.00	PASS
11G	Ant1	2412	-27.45	≤8.00	PASS
		2437	-27.21	≤8.00	PASS
		2462	-27.30	≤8.00	PASS
11N20SISO	Ant1	2412	-26.95	≤8.00	PASS
		2437	-26.30	≤8.00	PASS
		2462	-26.31	≤8.00	PASS
11N40SISO	Ant1	2422	-29.33	≤8.00	PASS
		2437	-29.20	≤8.00	PASS
		2452	-29.25	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



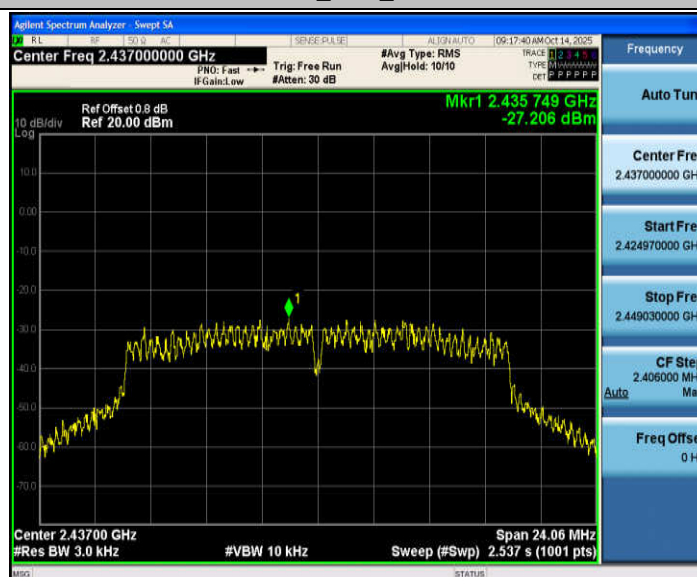
11B_Ant1_2462



11G_Ant1_2412



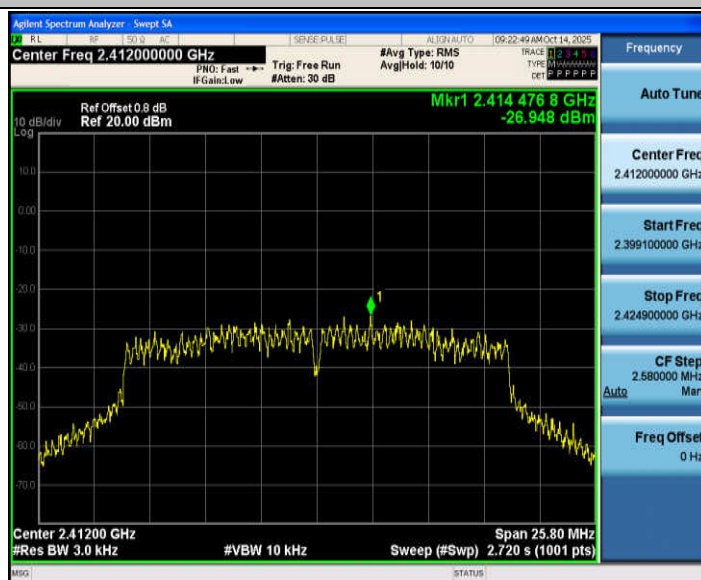
11G_Ant1_2437



11G_Ant1_2462



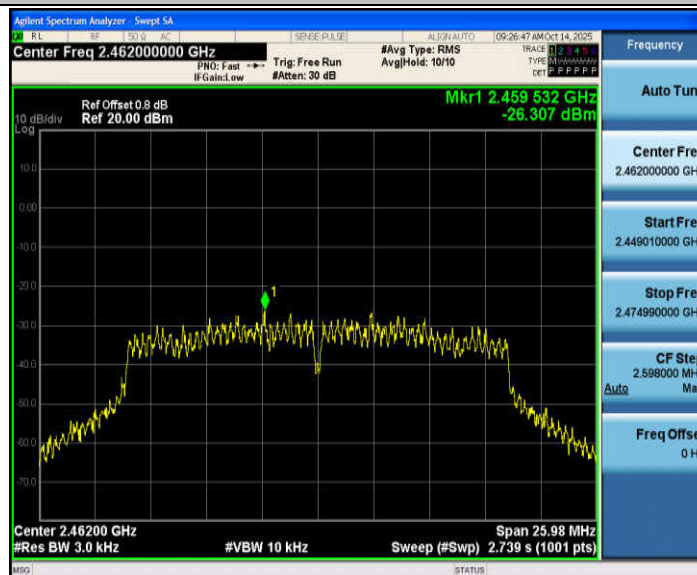
11N20SISO_Ant1_2412



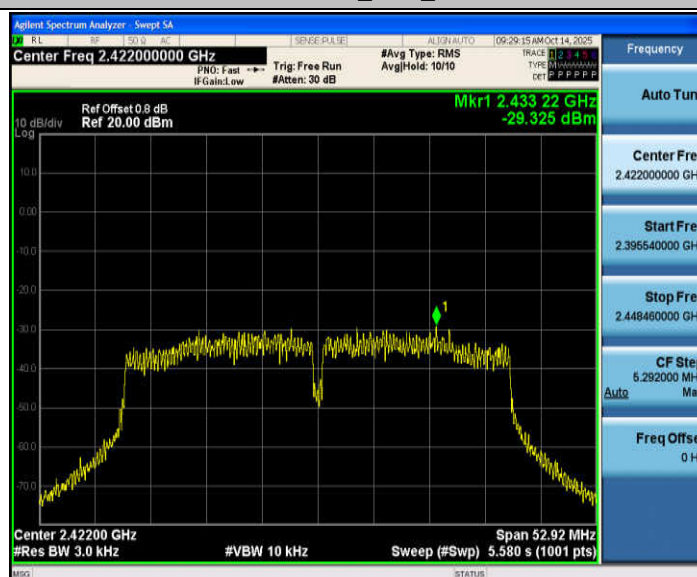
11N20SISO_Ant1_2437



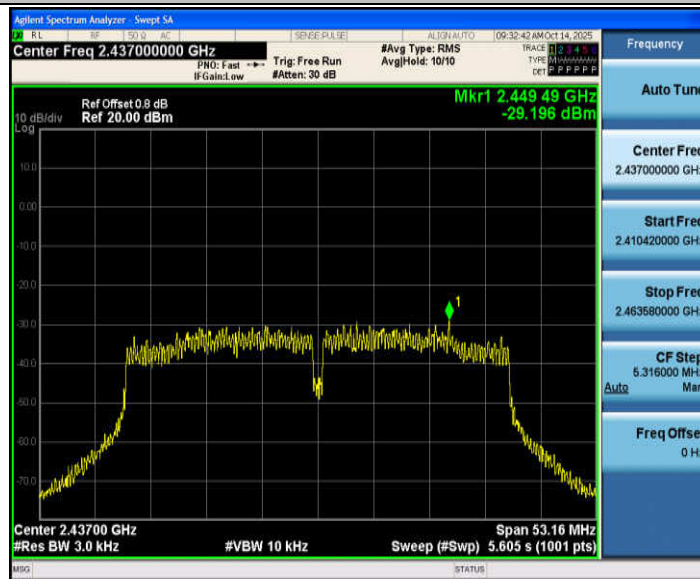
11N20SISO_Ant1_2462



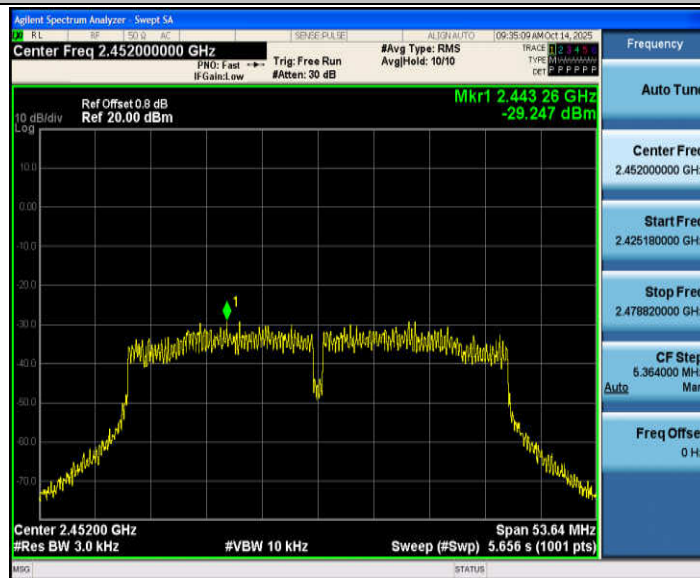
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



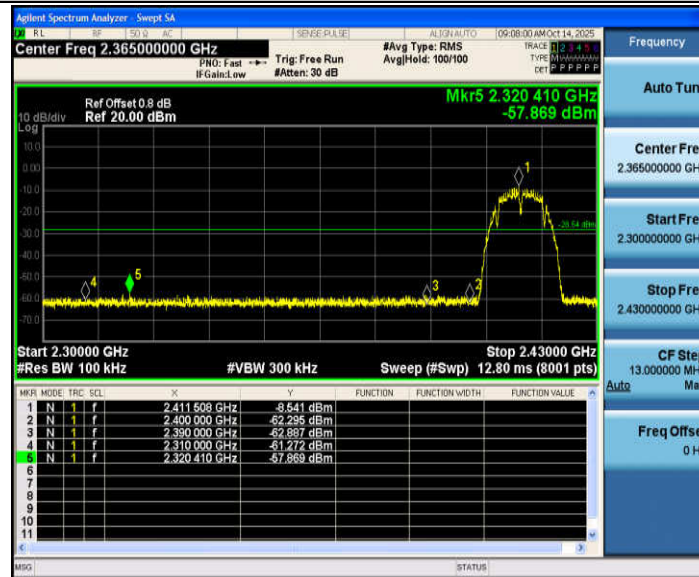
Appendix E: Band edge measurements

Test Result

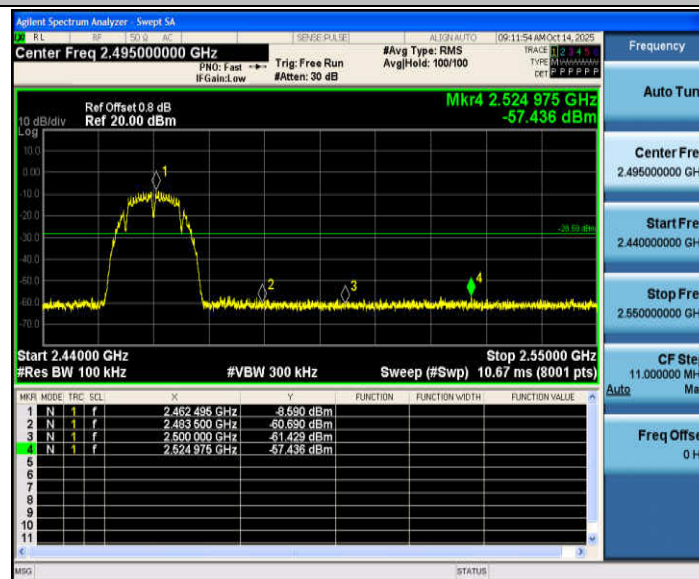
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-8.54	-57.87	≤-28.54	PASS
		High	2462	-8.59	-57.44	≤-28.59	PASS
11G	Ant1	Low	2412	-11.37	-42.88	≤-31.37	PASS
		High	2462	-11.59	-57.64	≤-31.59	PASS
11N20SISO	Ant1	Low	2412	-11.92	-43.25	≤-31.92	PASS
		High	2462	-11.65	-57.51	≤-31.65	PASS
11N40SISO	Ant1	Low	2422	-14.95	-48.37	≤-34.95	PASS
		High	2452	-14.69	-57.35	≤-34.69	PASS

Test Graphs

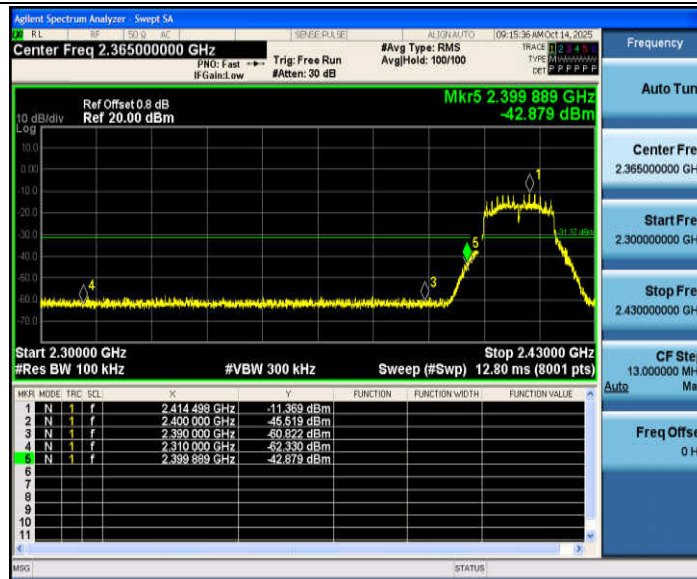
11B_Ant1_Low_2412



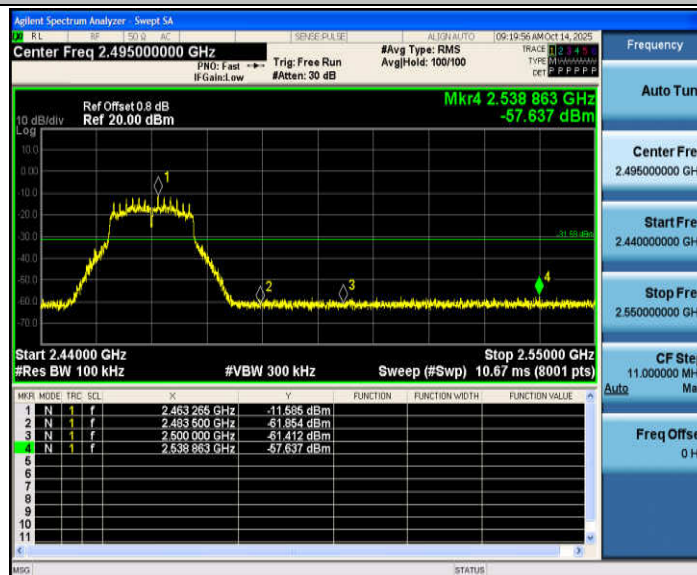
11B_Ant1_High_2462



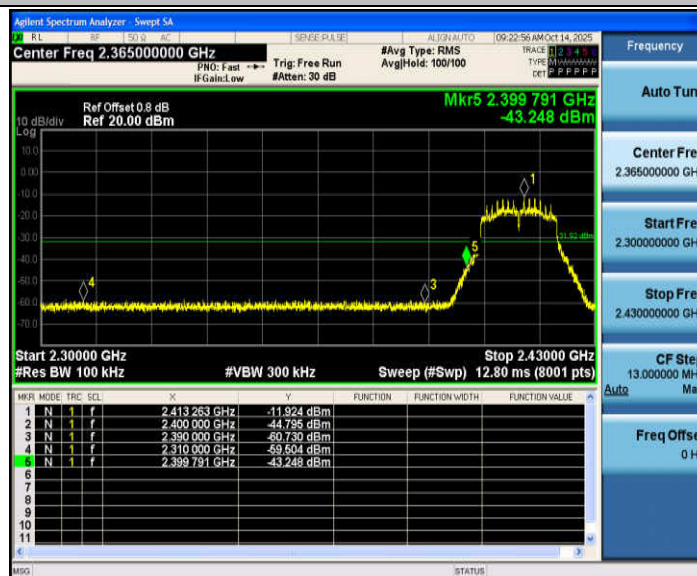
11G_Ant1_Low_2412



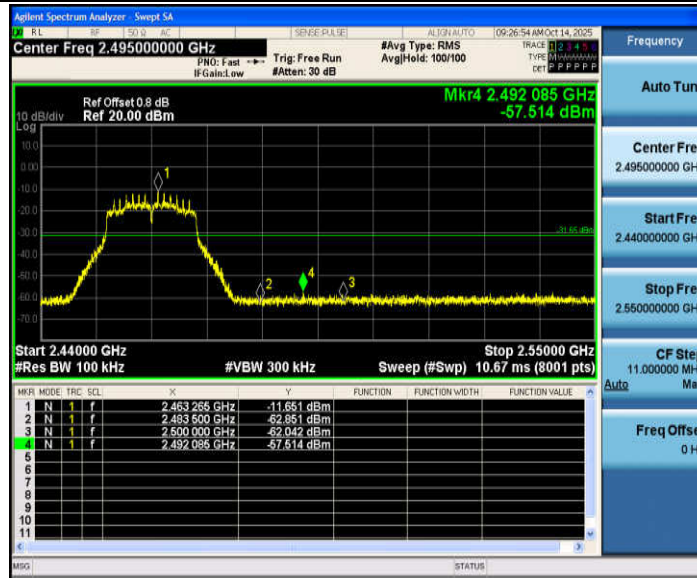
11G_Ant1_High_2462



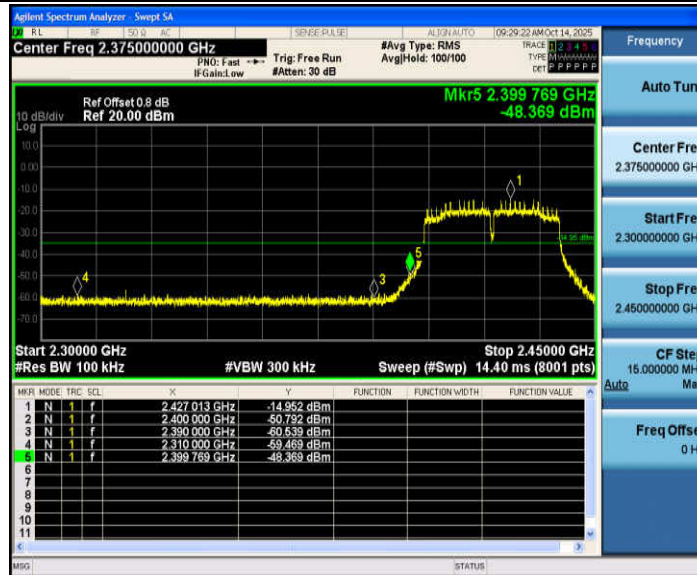
11N20SISO_Ant1_Low_2412



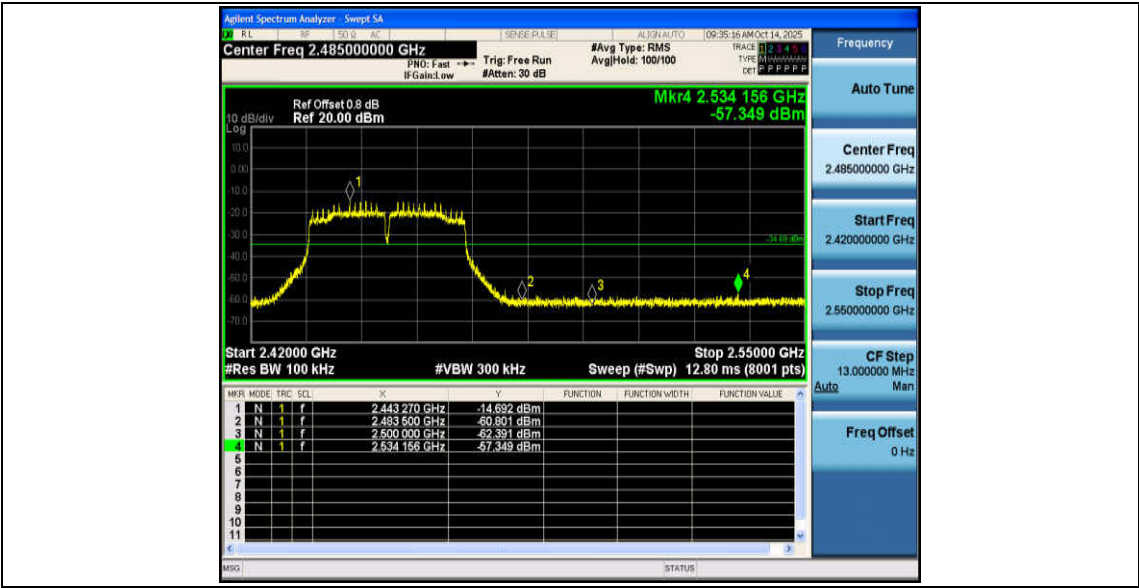
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

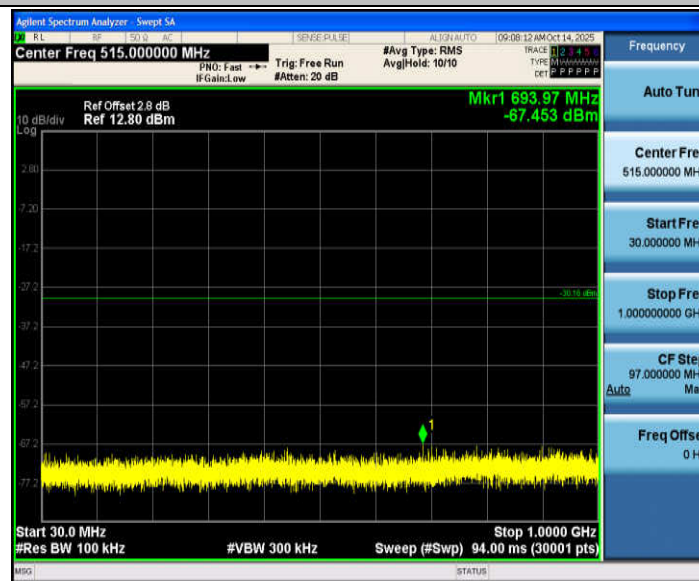
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-10.16	-10.16	---	PASS
			30~1000	-10.16	-67.45	≤-30.16	PASS
			1000~26500	-10.16	-55.15	≤-30.16	PASS
		2437	Reference	-8.73	-8.73	---	PASS
			30~1000	-8.73	-68.07	≤-28.73	PASS
			1000~26500	-8.73	-55.24	≤-28.73	PASS
		2462	Reference	-9.64	-9.64	---	PASS
			30~1000	-9.64	-60.23	≤-29.64	PASS
			1000~26500	-9.64	-55.34	≤-29.64	PASS
11G	Ant1	2412	Reference	-11.73	-11.73	---	PASS
			30~1000	-11.73	-66.96	≤-31.73	PASS
			1000~26500	-11.73	-54.53	≤-31.73	PASS
		2437	Reference	-11.68	-11.68	---	PASS
			30~1000	-11.68	-66.97	≤-31.68	PASS
			1000~26500	-11.68	-54.46	≤-31.68	PASS
		2462	Reference	-11.80	-11.80	---	PASS
			30~1000	-11.80	-67.2	≤-31.8	PASS
			1000~26500	-11.80	-54.62	≤-31.8	PASS
11N20SISO	Ant1	2412	Reference	-12.75	-12.75	---	PASS
			30~1000	-12.75	-67.83	≤-32.75	PASS
			1000~26500	-12.75	-53.39	≤-32.75	PASS
		2437	Reference	-11.90	-11.90	---	PASS
			30~1000	-11.90	-67.84	≤-31.9	PASS
			1000~26500	-11.90	-54.49	≤-31.9	PASS
		2462	Reference	-11.65	-11.65	---	PASS
			30~1000	-11.65	-67.62	≤-31.65	PASS
			1000~26500	-11.65	-54.97	≤-31.65	PASS
11N40SISO	Ant1	2422	Reference	-15.02	-15.02	---	PASS
			30~1000	-15.02	-67.6	≤-35.02	PASS
			1000~26500	-15.02	-54.01	≤-35.02	PASS
		2437	Reference	-14.71	-14.71	---	PASS
			30~1000	-14.71	-67.85	≤-34.71	PASS
			1000~26500	-14.71	-54.48	≤-34.71	PASS
		2452	Reference	-15.18	-15.18	---	PASS
			30~1000	-15.18	-67.93	≤-35.18	PASS
			1000~26500	-15.18	-54.54	≤-35.18	PASS

Test Graphs

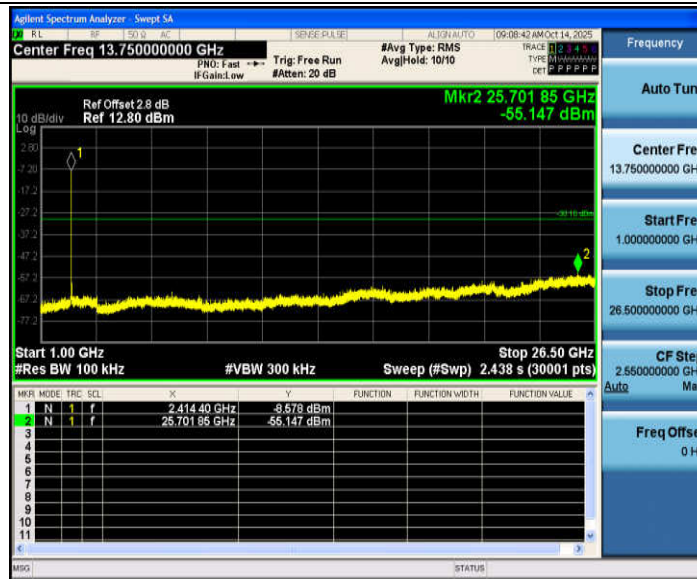
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



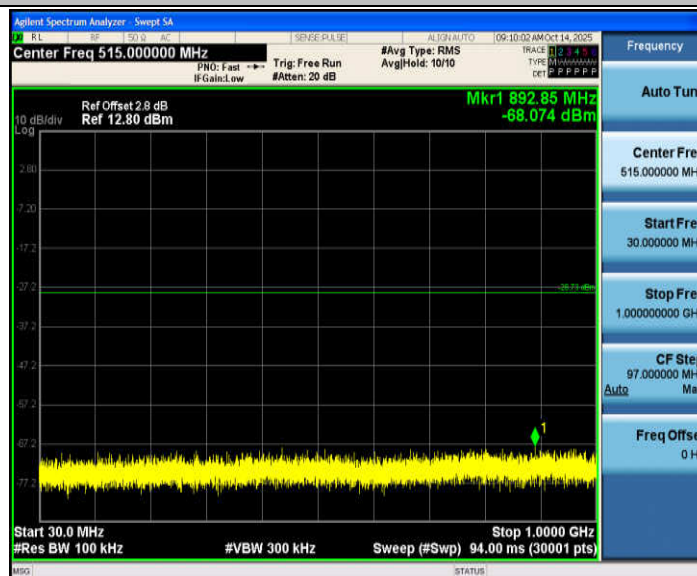
11B_Ant1_2412_1000~26500



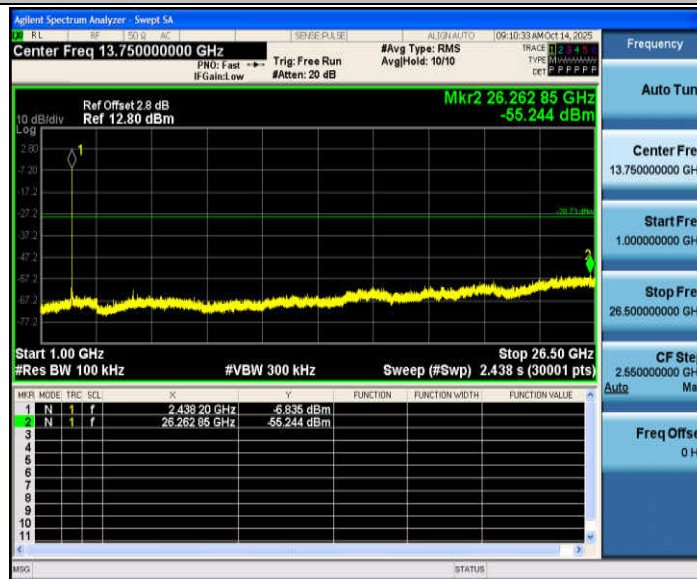
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



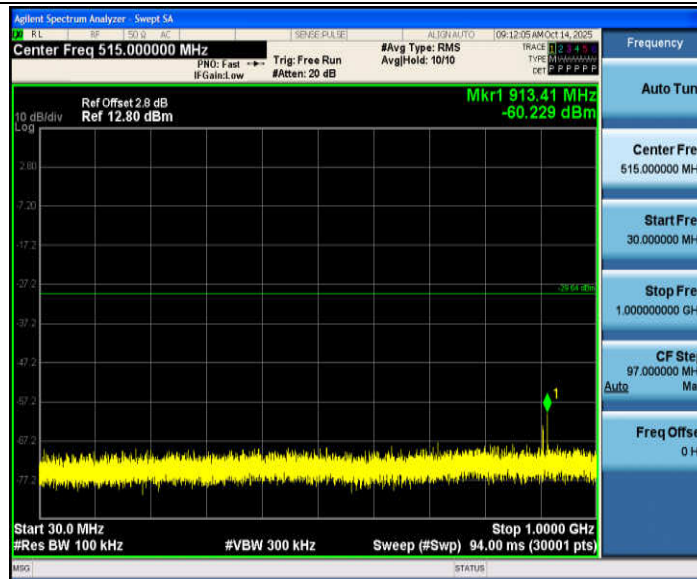
11B_Ant1_2437_1000~26500



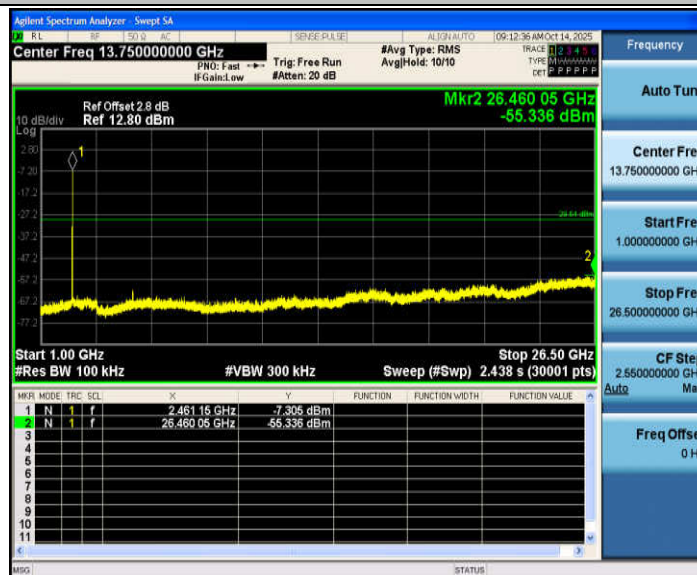
11B_Ant1_2462_0~Reference



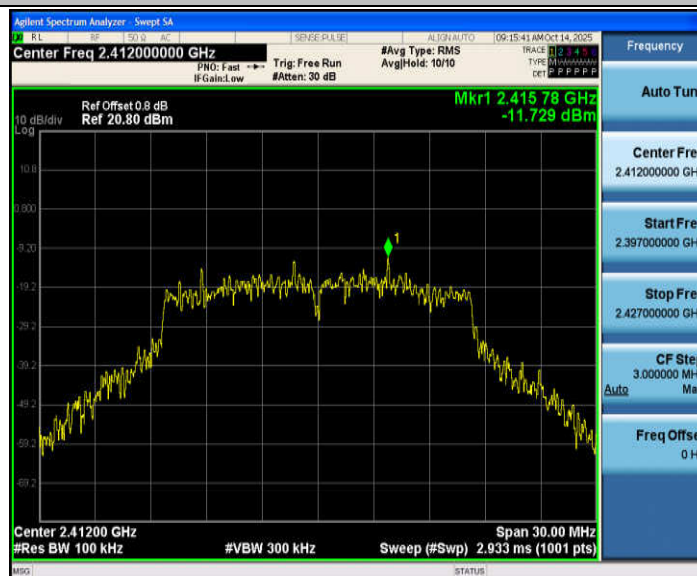
11B_Ant1_2462_30~1000



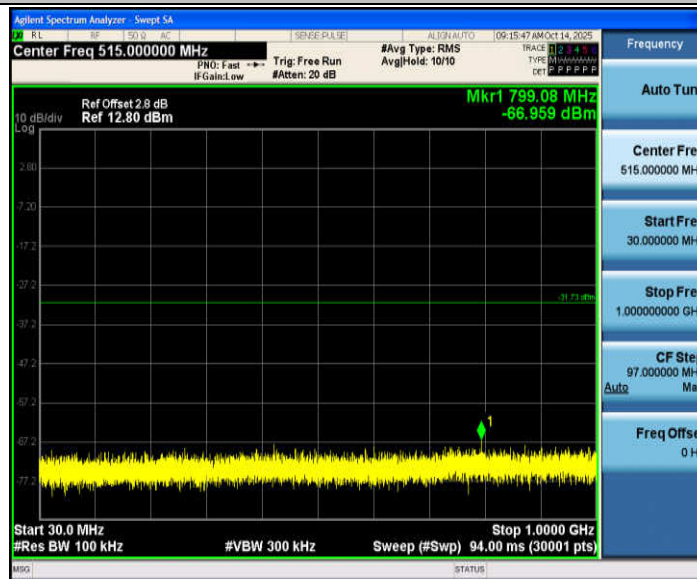
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



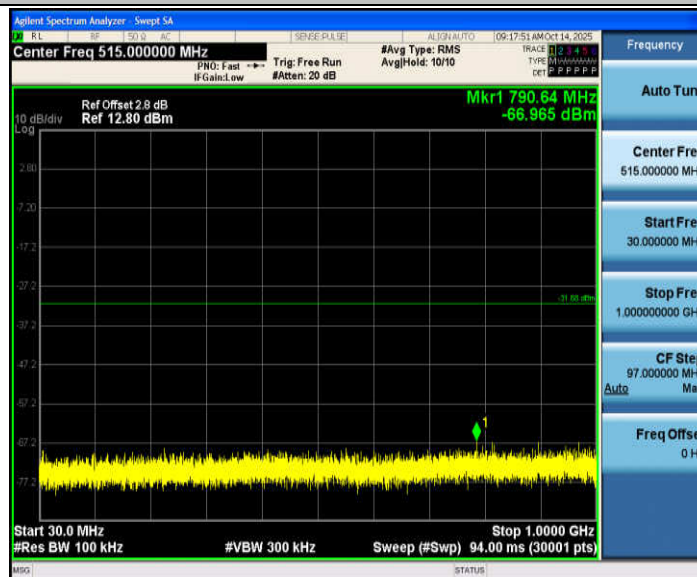
11G_Ant1_2412_1000~26500



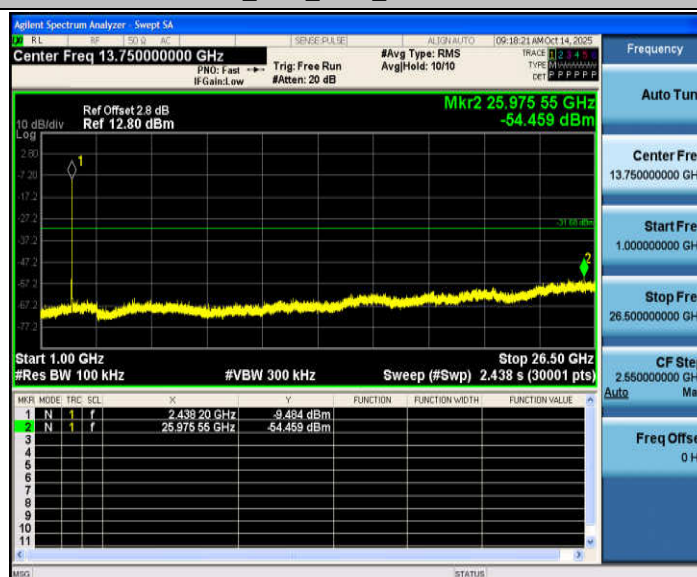
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



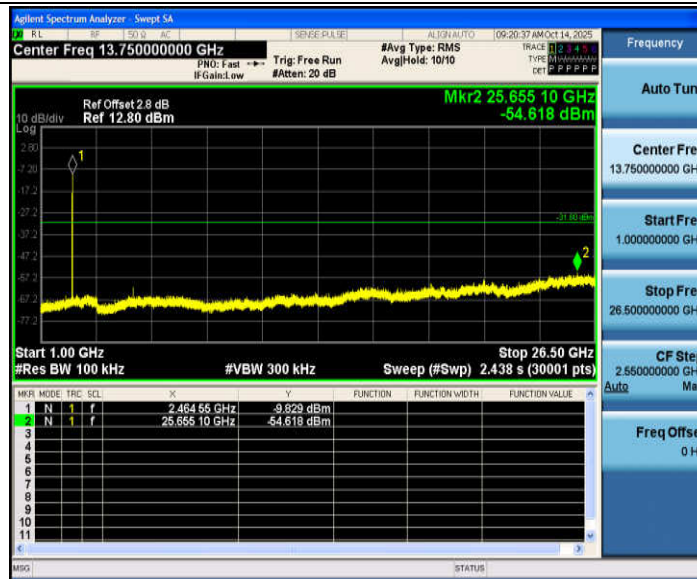
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



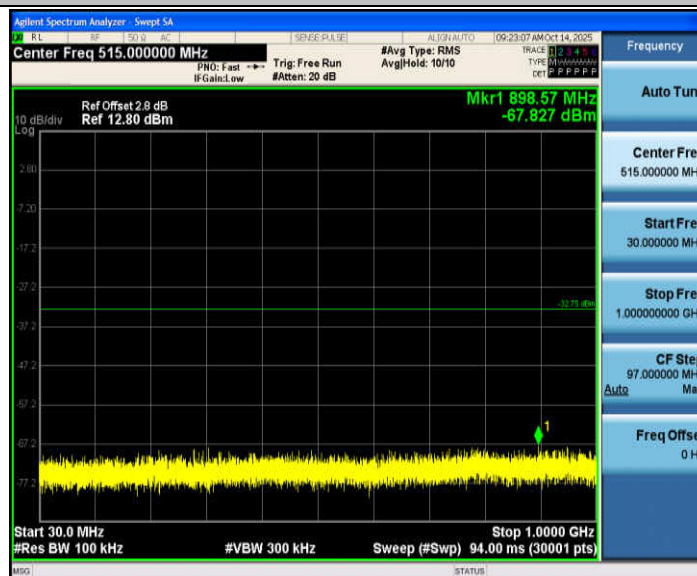
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



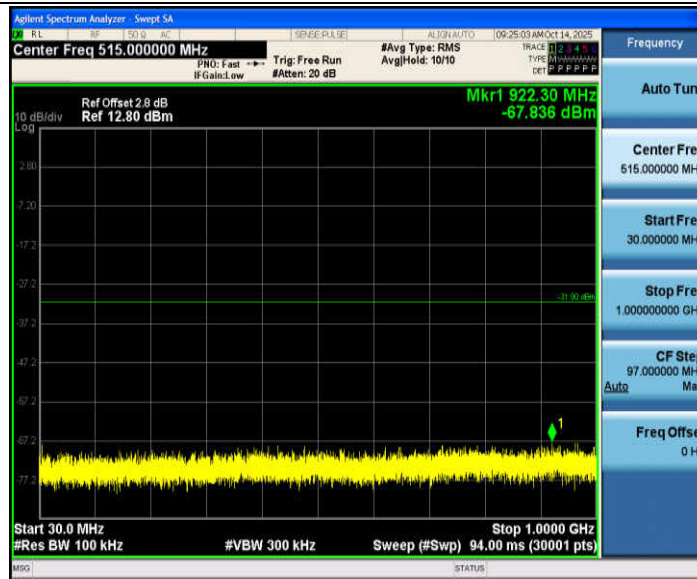
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



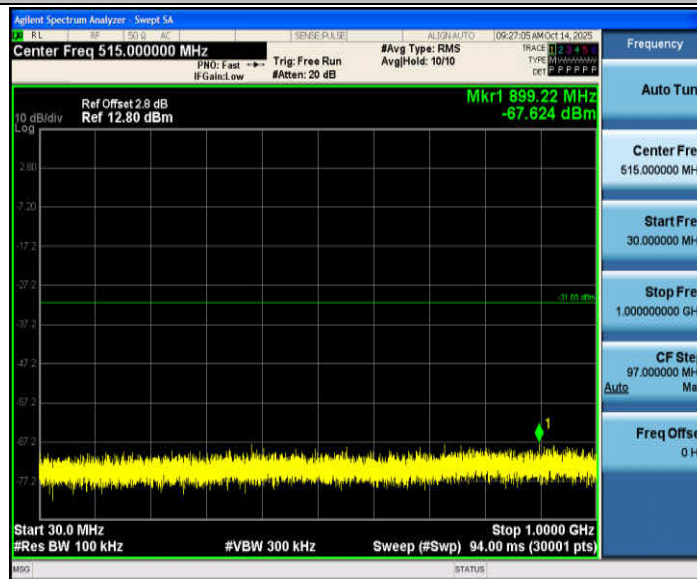
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



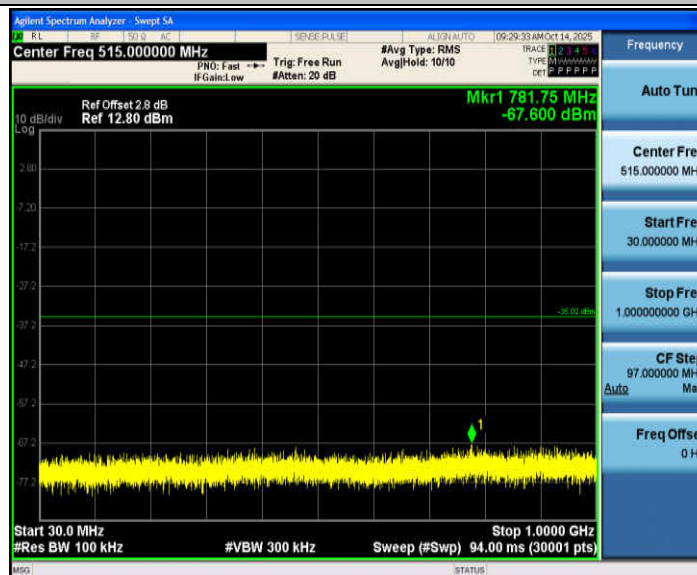
11N20SISO_Ant1_2462_1000~26500



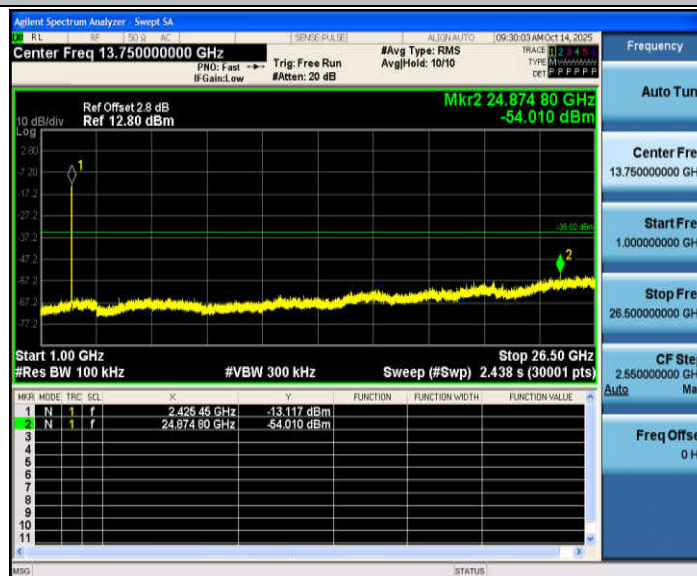
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



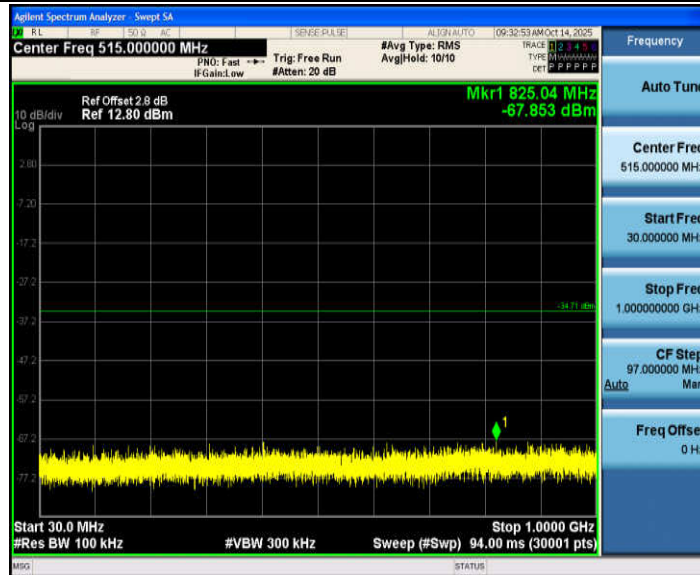
11N40SISO_Ant1_2422_1000~26500



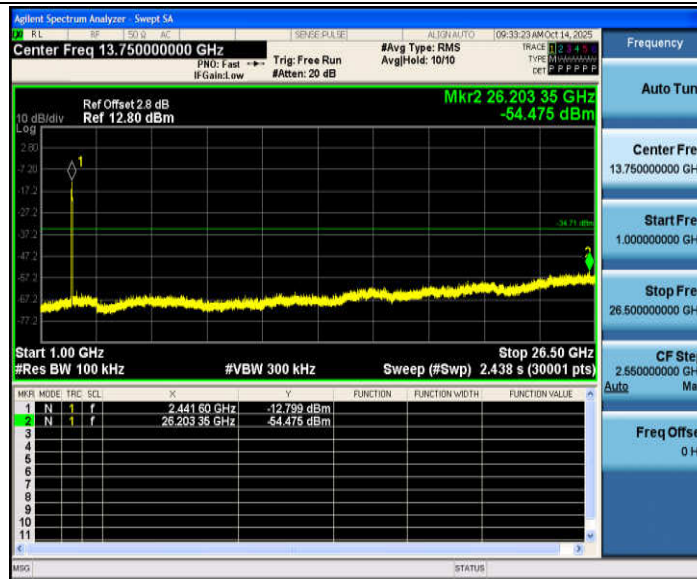
11N40SISO_Ant1_2437_0~Reference



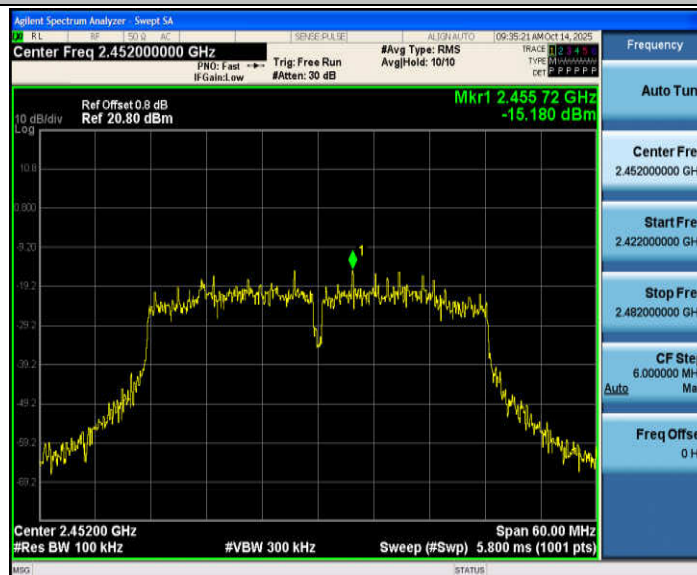
11N40SISO_Ant1_2437_30~1000



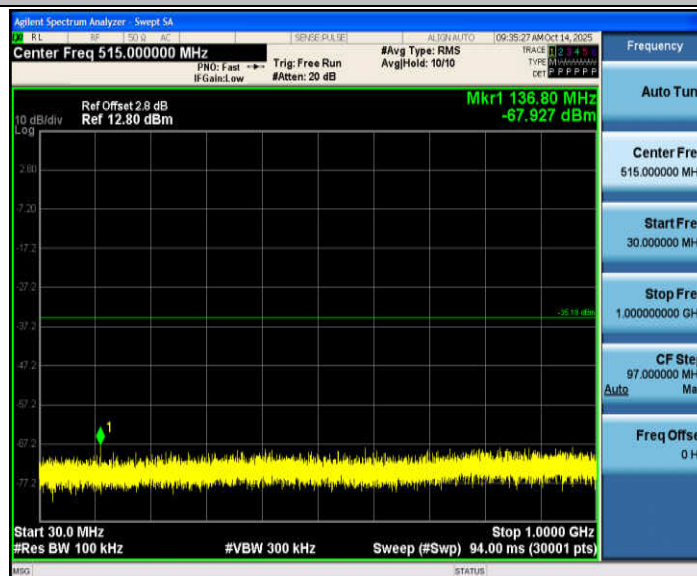
11N40SISO_Ant1_2437_1000~26500



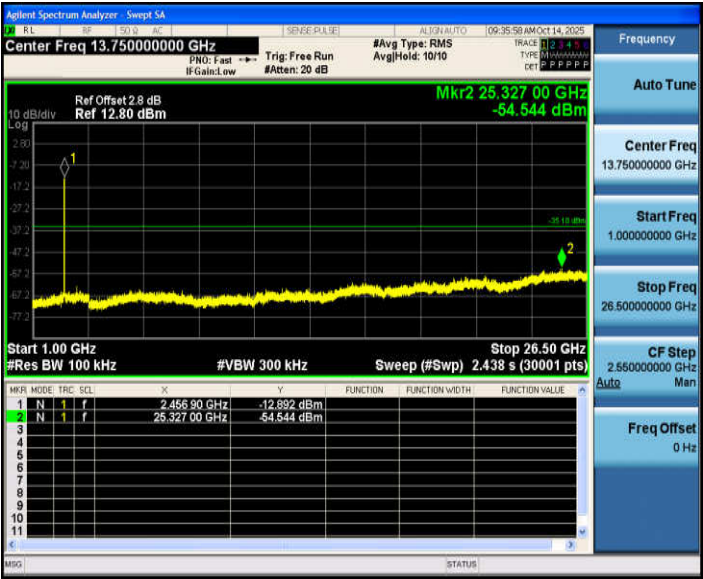
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



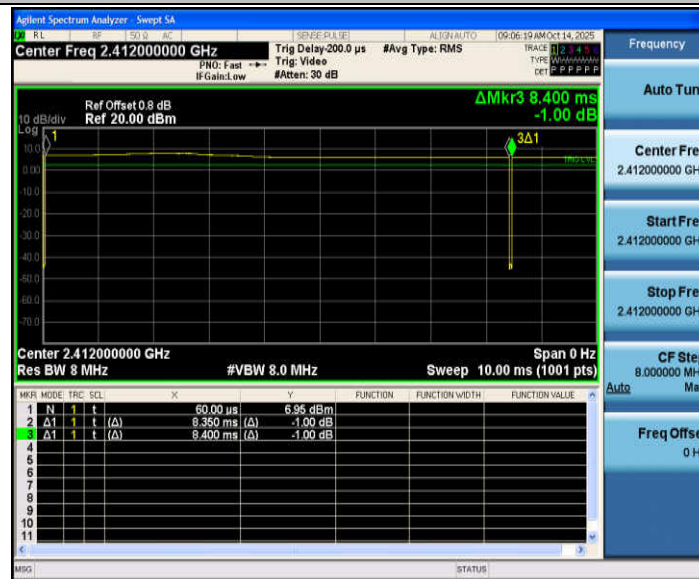
Appendix G: Duty Cycle

Test Result

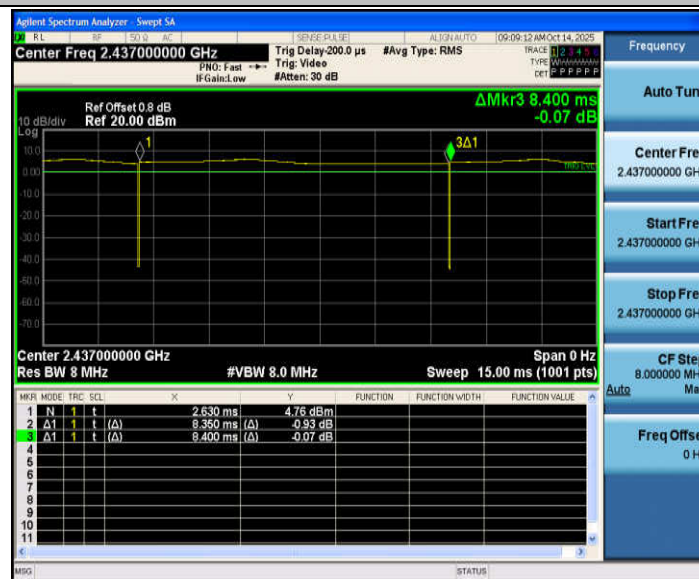
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.35	8.40	99.40
		2437	8.35	8.40	99.40
		2462	8.34	8.39	99.40
11G	Ant1	2412	0.14	0.19	73.68
		2437	0.14	0.19	73.68
		2462	0.14	0.19	73.68
11N20SISO	Ant1	2412	0.00	0.00	100
		2437	0.17	0.22	77.27
		2462	0.17	0.22	77.27
11N40SISO	Ant1	2422	0.18	0.23	78.26
		2437	0.18	0.23	78.26
		2452	0.18	0.23	78.26

Test Graphs

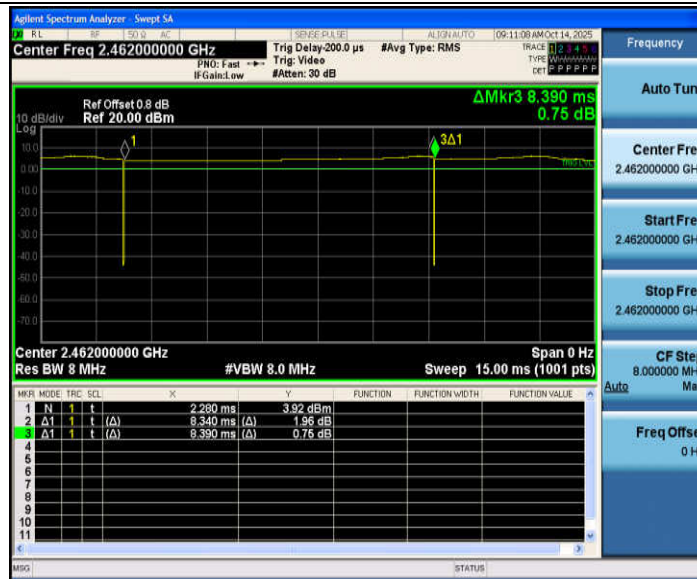
11B_Ant1_2412



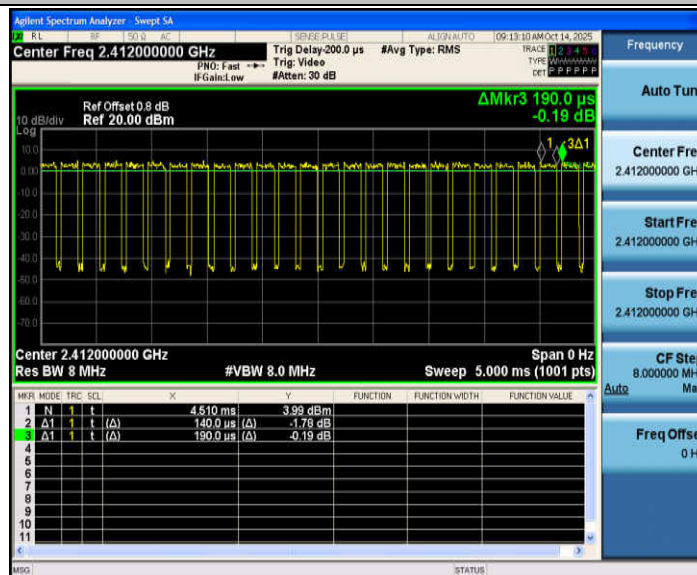
11B_Ant1_2437



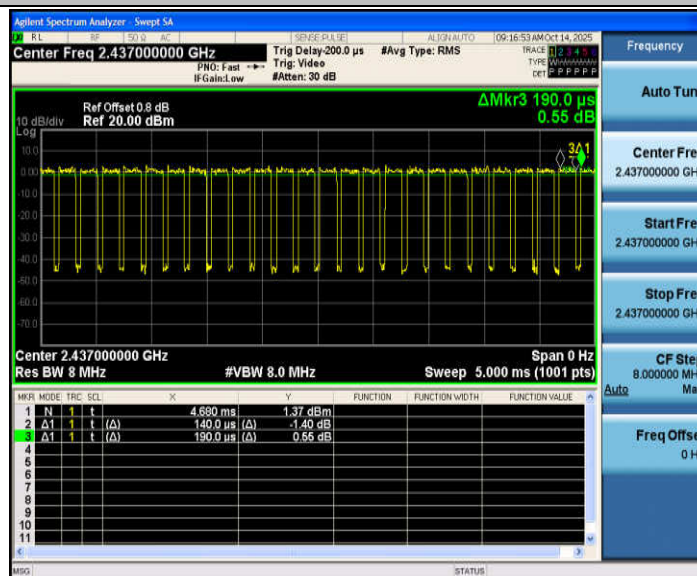
11B_Ant1_2462



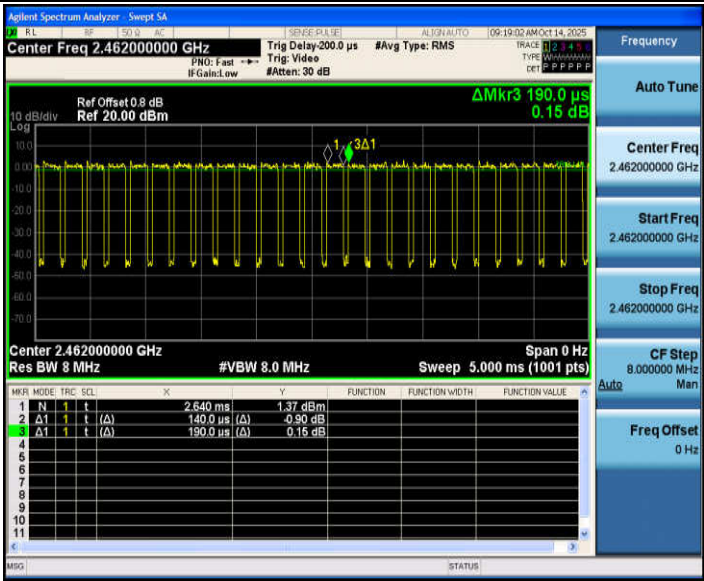
11G_Ant1_2412



11G_Ant1_2437



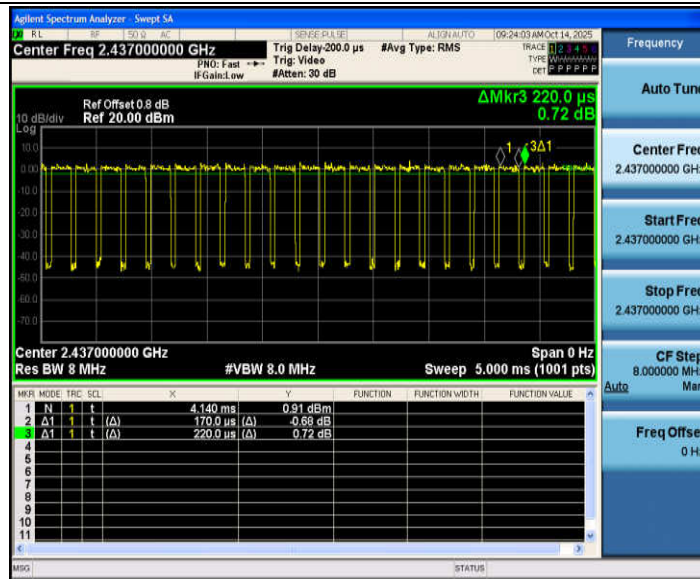
11G_Ant1_2462



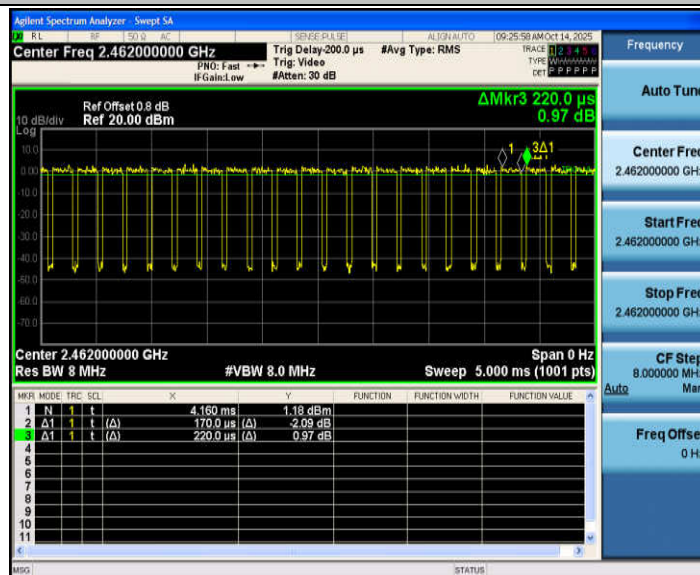
11N20SISO_Ant1_2412



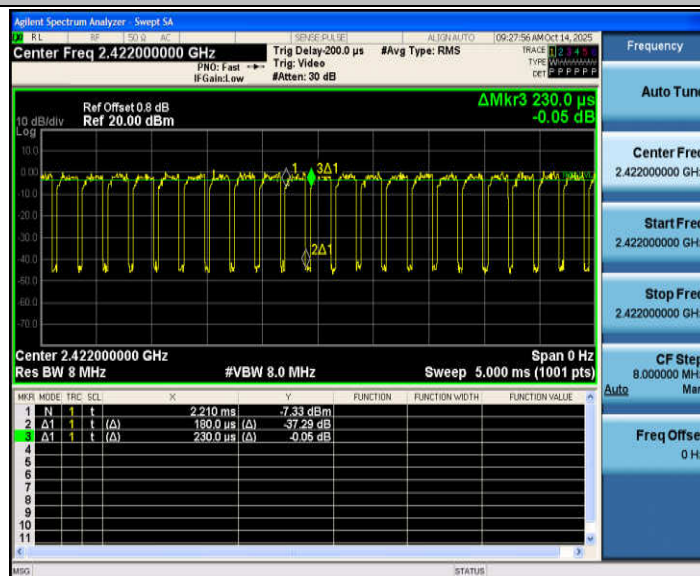
11N20SISO_Ant1_2437



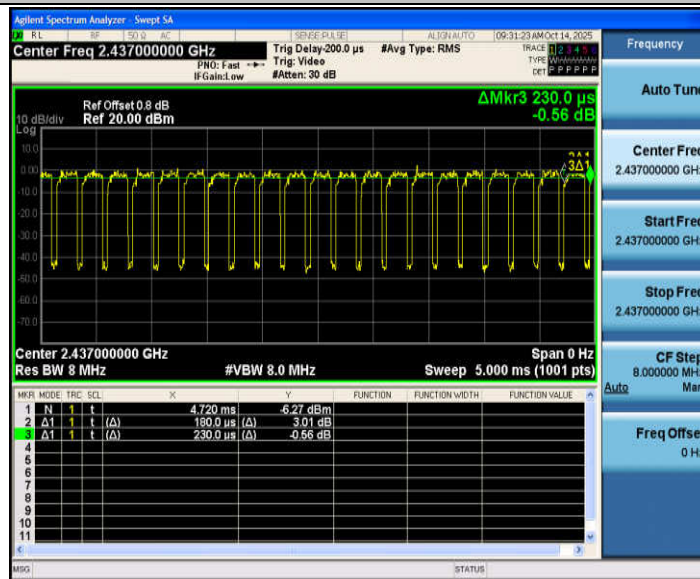
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

