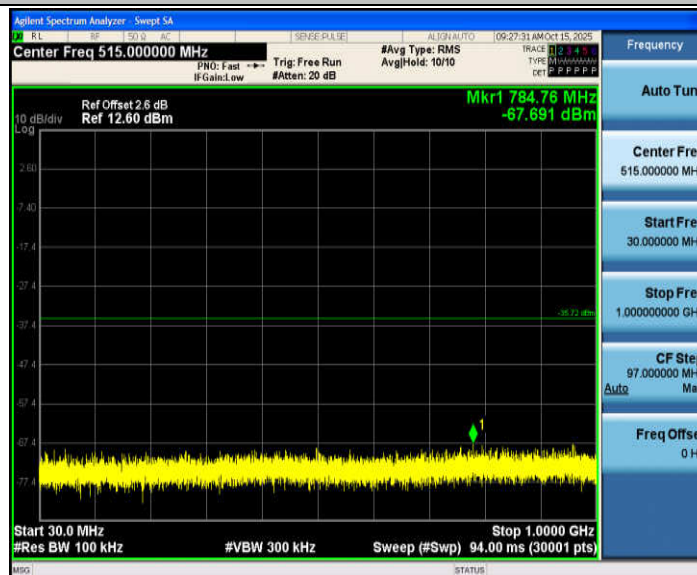
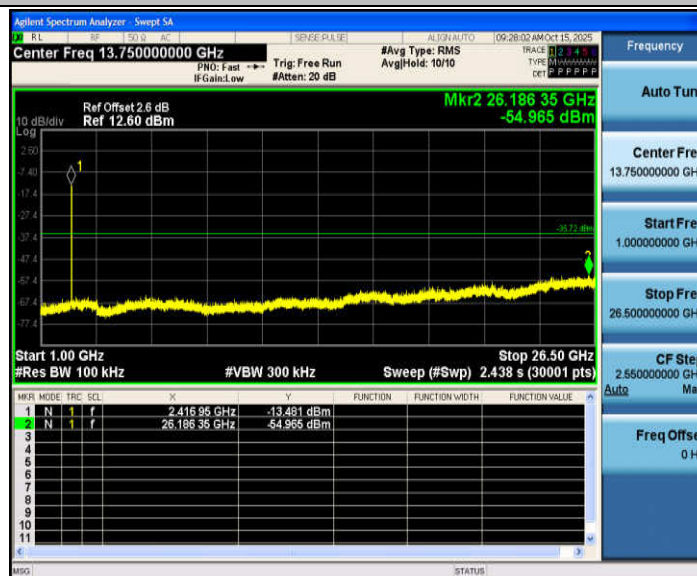




11N40SISO_Ant1_2422_30~1000



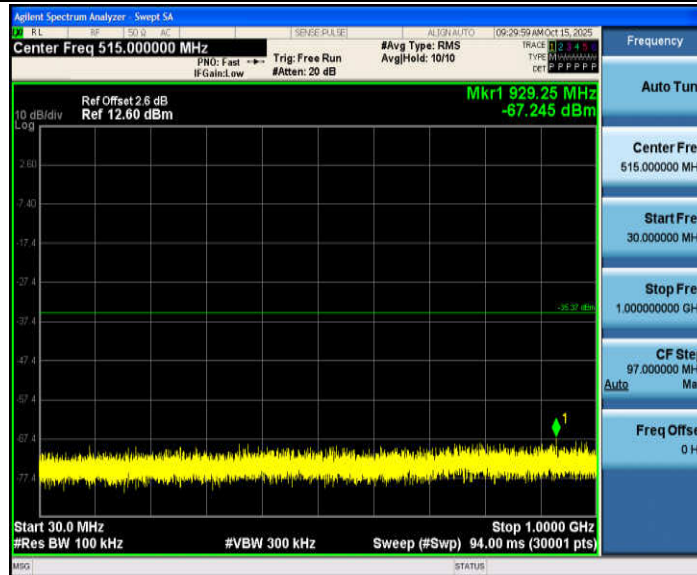
11N40SISO_Ant1_2422_1000~26500



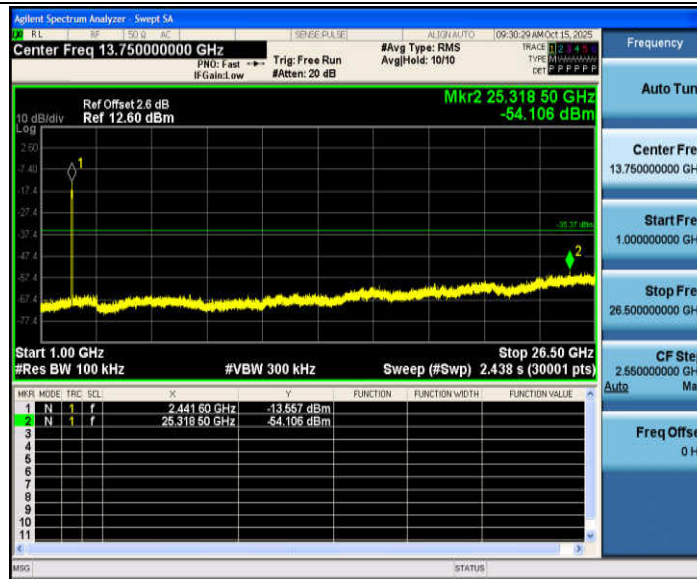
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



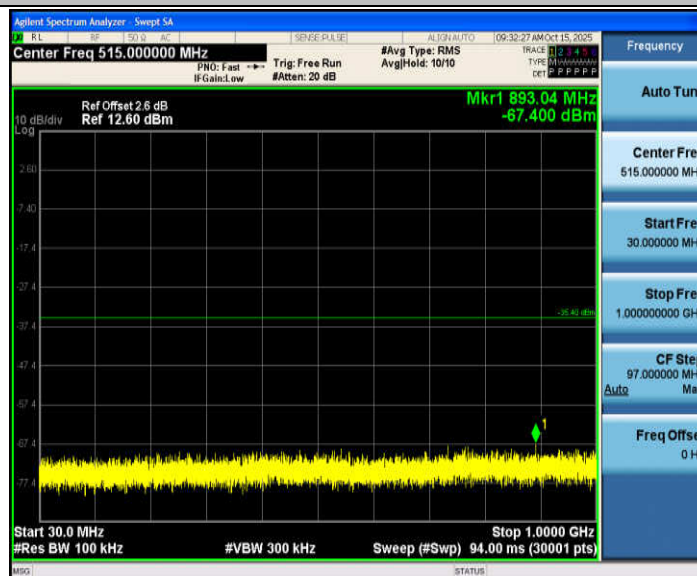
11N40SISO_Ant1_2437_1000~26500



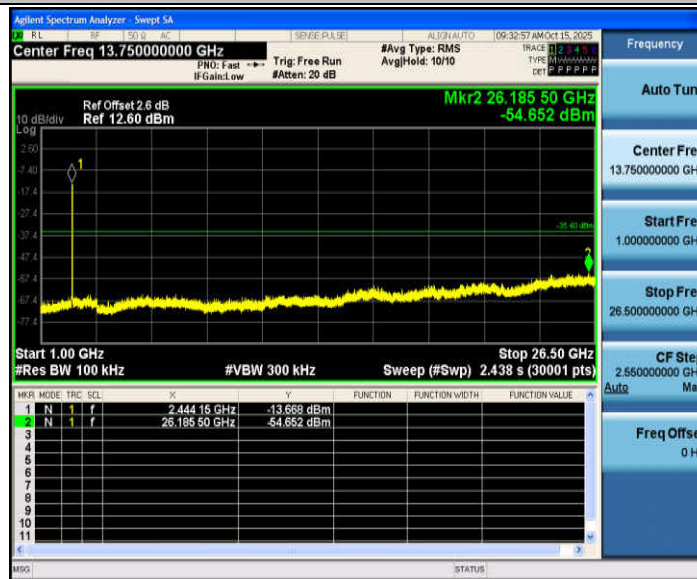
11N40ISO_Ant1_2452_0~Reference



11N40ISO_Ant1_2452_30~1000



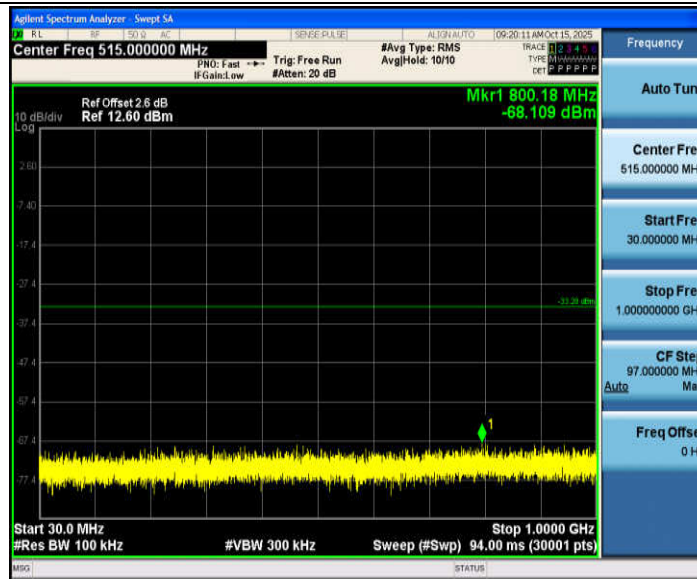
11N40SISO_Ant1_2452_1000~26500



11AX20SISO_Ant1_2412_0~Reference



11AX20SISO_Ant1_2412_30~1000



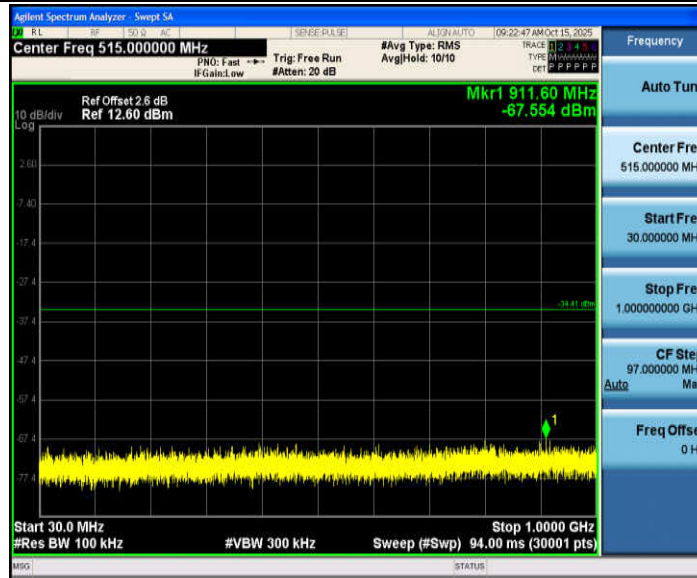
11AX20SISO_Ant1_2412_1000~26500



11AX20SISO_Ant1_2437_0~Reference



11AX20SISO_Ant1_2437_30~1000



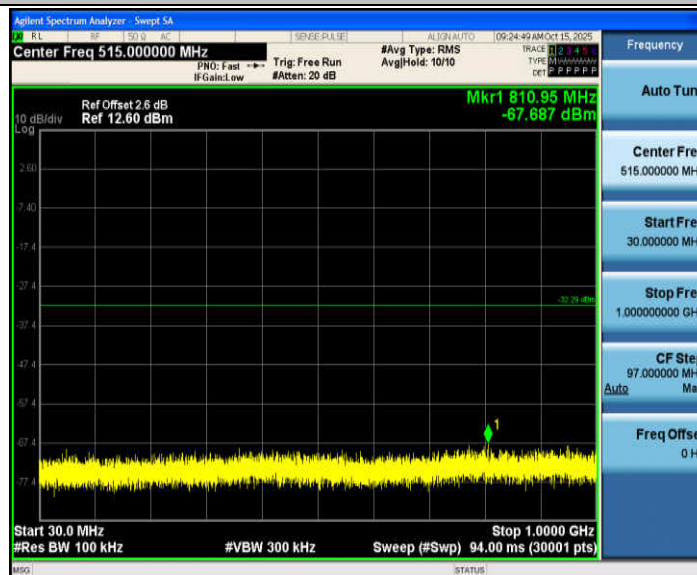
11AX20SISO_Ant1_2437_1000~26500



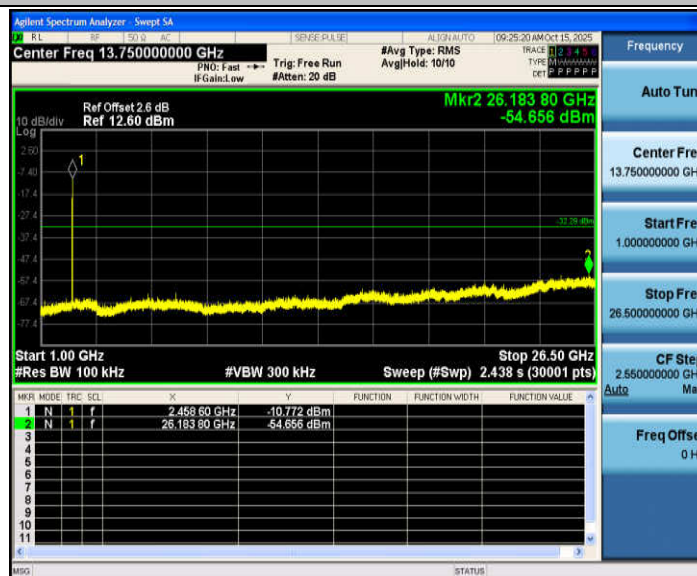
11AX20SISO_Ant1_2462_0~Reference



11AX20SISO_Ant1_2462_30~1000



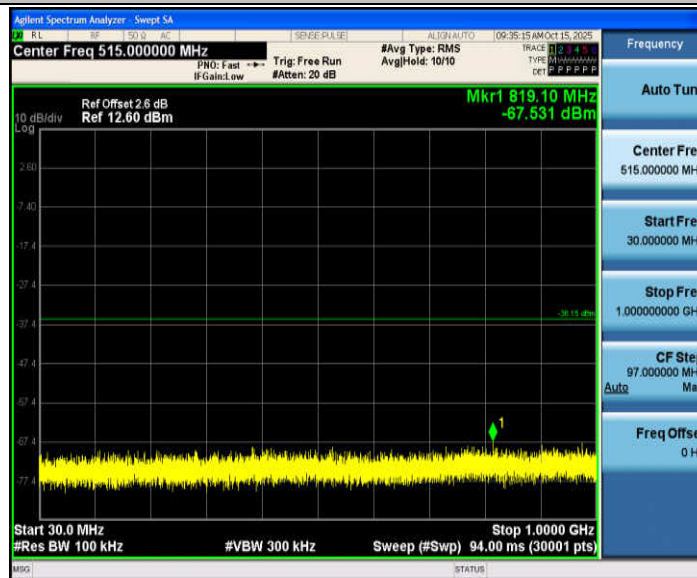
11AX20SISO_Ant1_2462_1000~26500



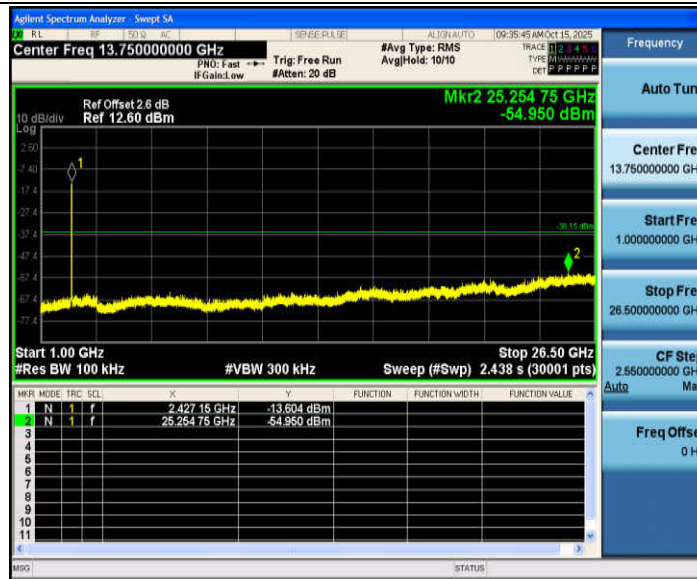
11AX40SISO_Ant1_2422_0~Reference



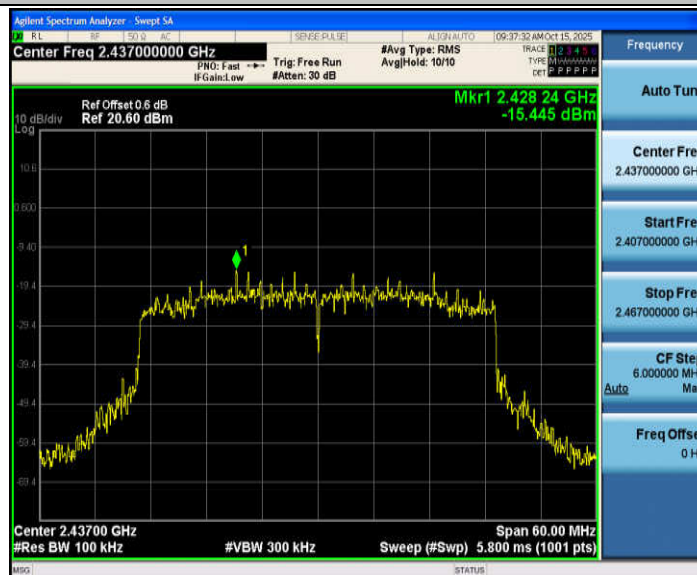
11AX40SISO_Ant1_2422_30~1000



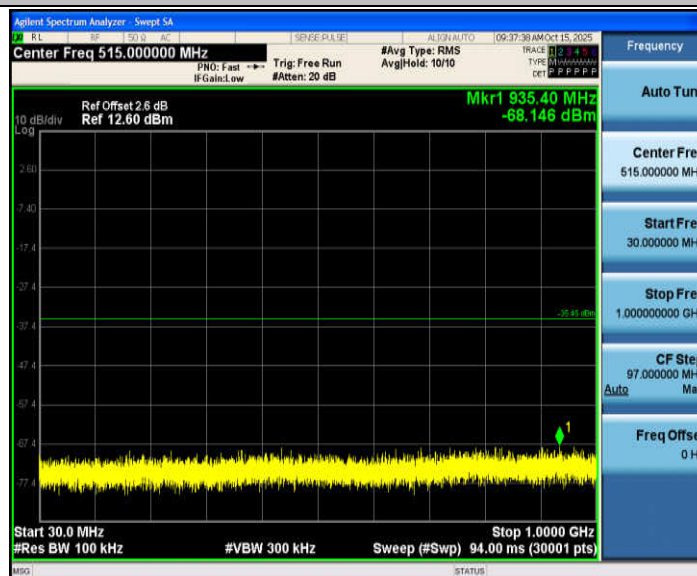
11AX40SISO_Ant1_2422_1000~26500



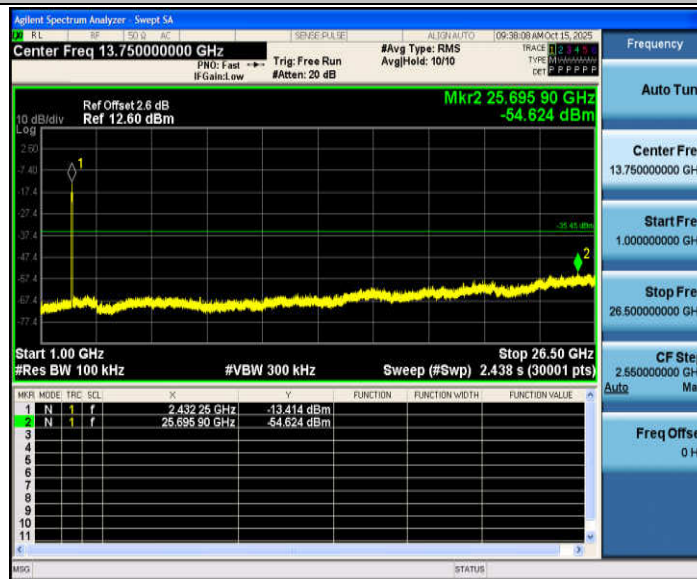
11AX40SISO_Ant1_2437_0~Reference



11AX40SISO_Ant1_2437_30~1000



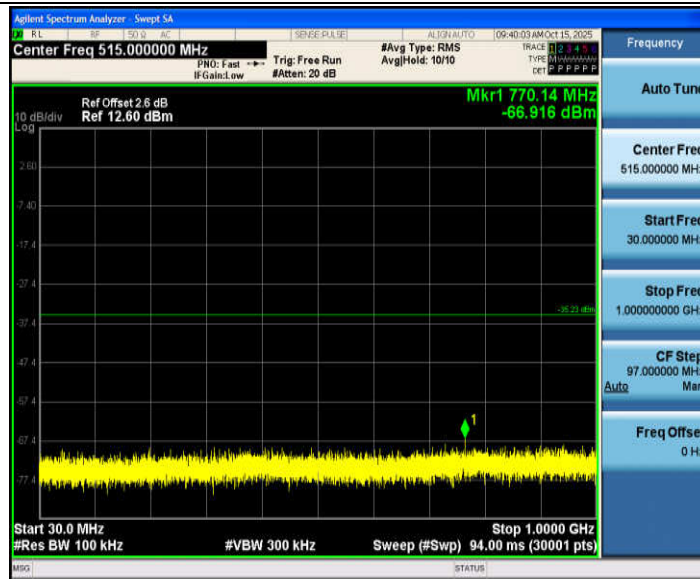
11AX40SISO_Ant1_2437_1000~26500



11AX40SISO_Ant1_2452_0~Reference



11AX40SISO_Ant1_2452_30~1000



11AX40SISO_Ant1_2452_1000~26500



Appendix G: Duty Cycle

Test Result

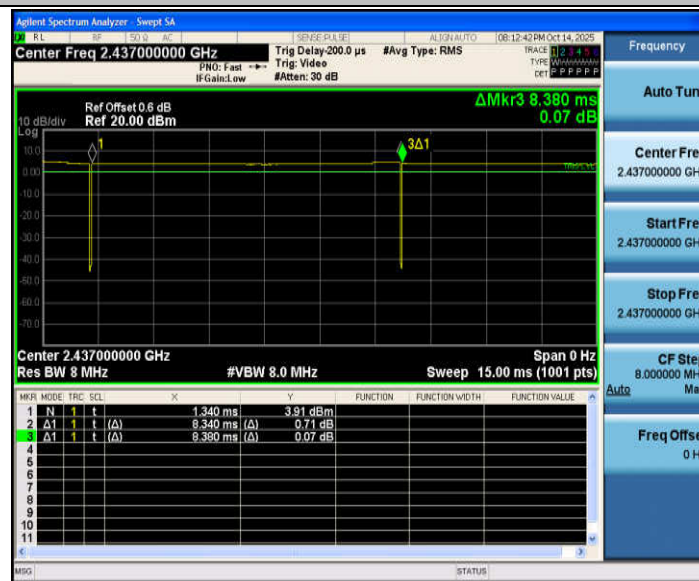
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.36	8.40	99.52
		2437	8.34	8.38	99.52
		2462	8.35	8.40	99.40
11G	Ant1	2412	0.15	0.20	75.00
		2437	0.14	0.19	73.68
		2462	0.14	0.19	73.68
11N20SISO	Ant1	2412	0.17	0.22	77.27
		2437	0.18	0.23	78.26
		2462	0.18	0.23	78.26
11N40SISO	Ant1	2422	0.18	0.23	78.26
		2437	0.18	0.23	78.26
		2452	0.18	0.23	78.26
11AX20SISO	Ant1	2412	0.25	0.31	80.65
		2437	0.25	0.30	83.33
		2462	0.25	0.30	83.33
11AX40SISO	Ant1	2422	0.17	0.22	77.27
		2437	0.18	0.23	78.26
		2452	0.18	0.23	78.26

Test Graphs

11B_Ant1_2412

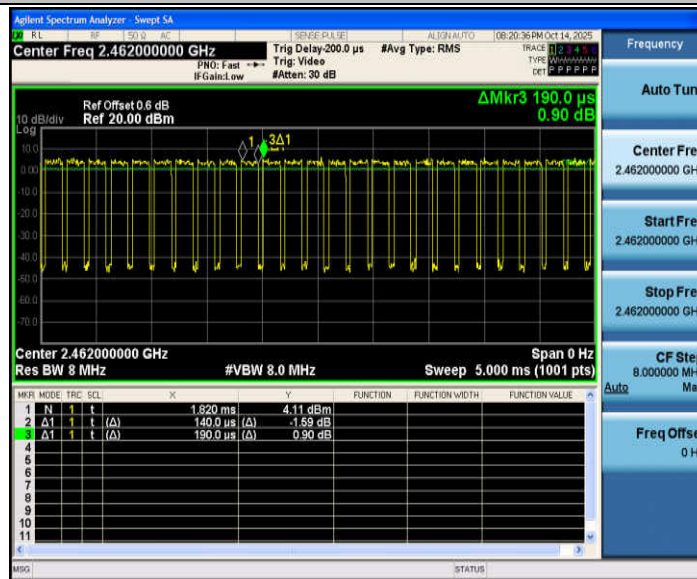


11B_Ant1_2437

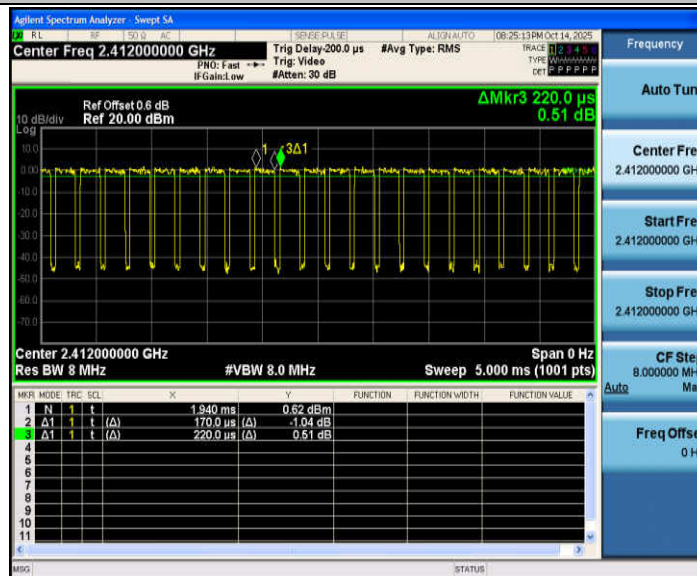


11B_Ant1_2462

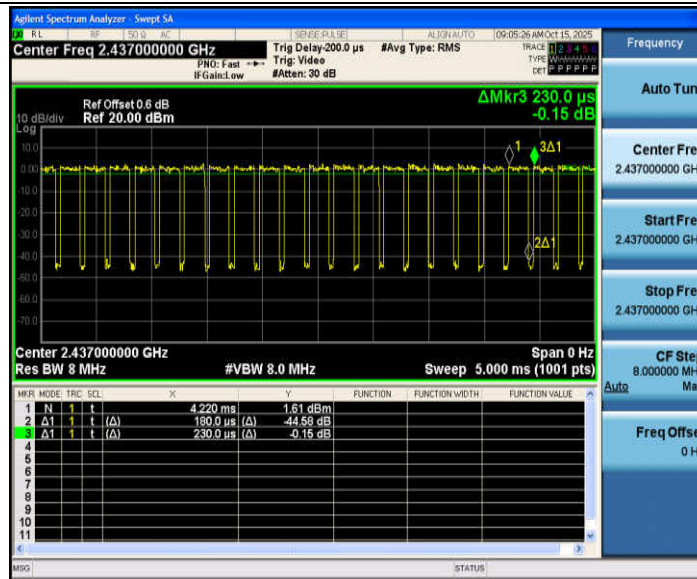
11G_Ant1_2462



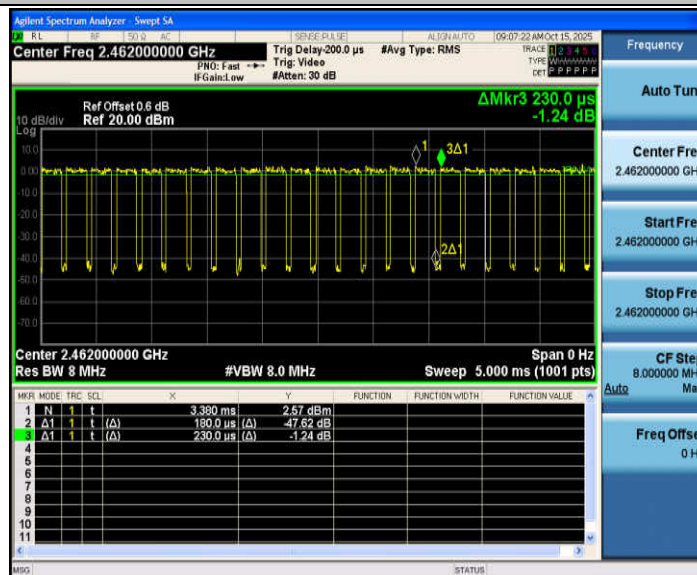
11N20SISO_Ant1_2412



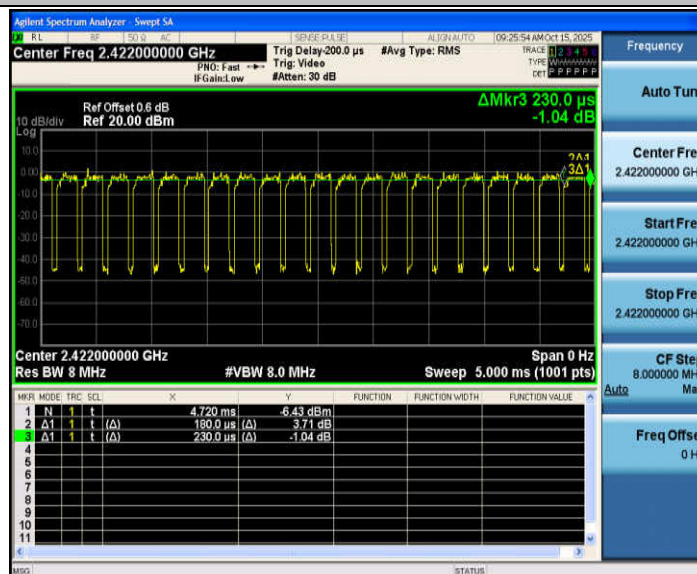
11N20SISO_Ant1_2437



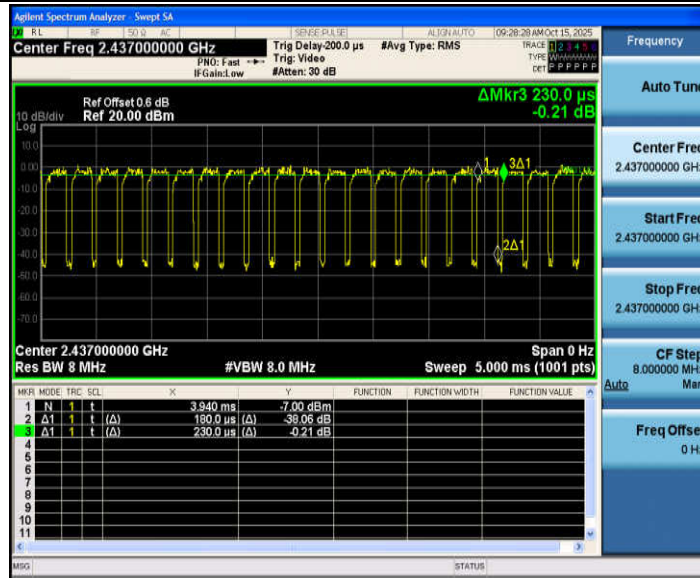
11N20SISO_Ant1_2462



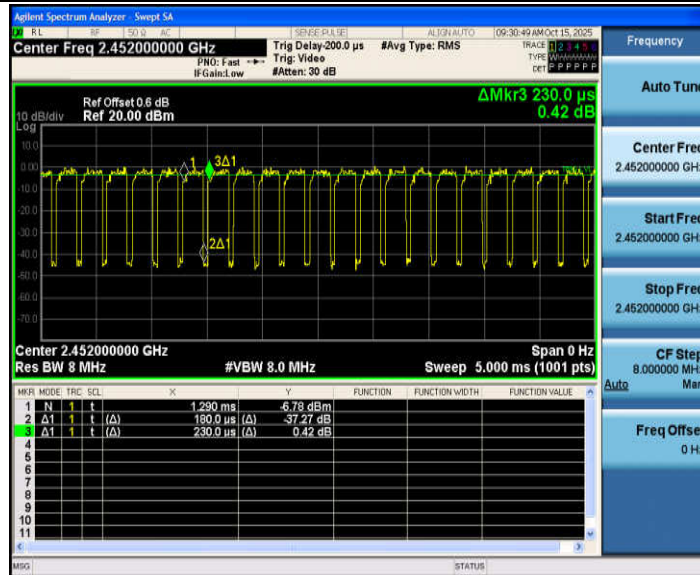
11N40SISO_Ant1_2422



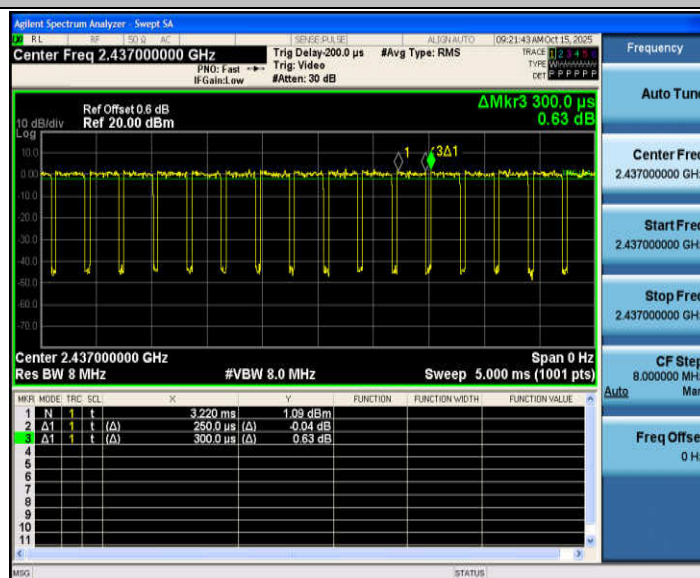
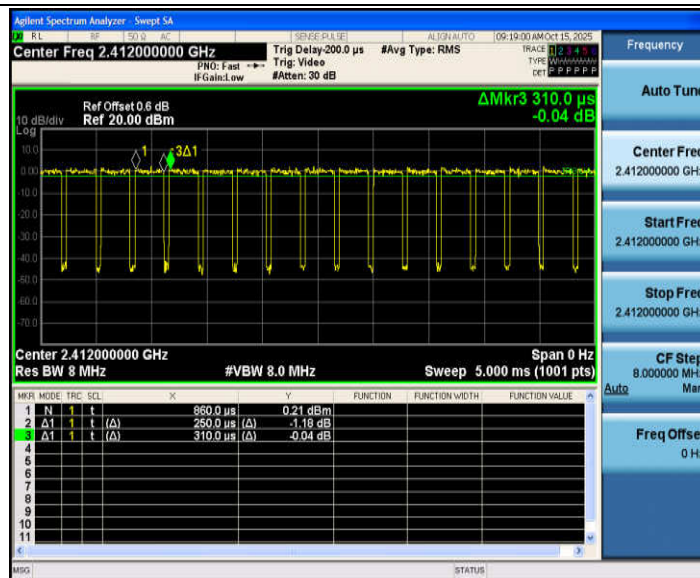
11N40SISO_Ant1_2437



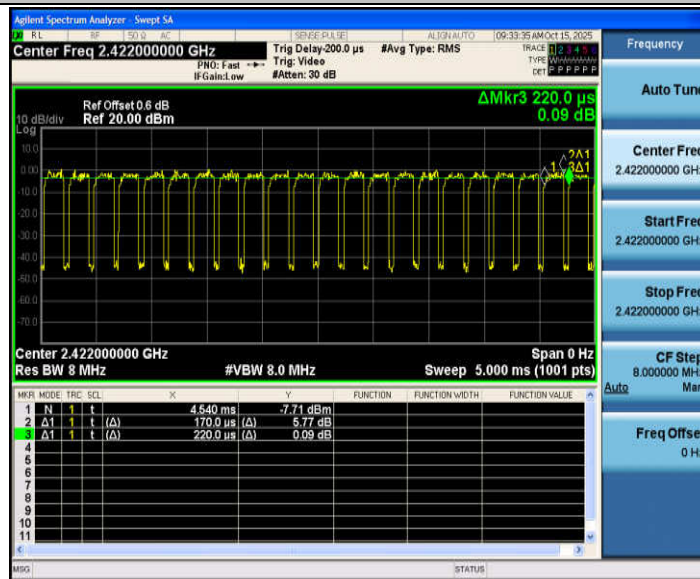
11N40SISO_Ant1_2452



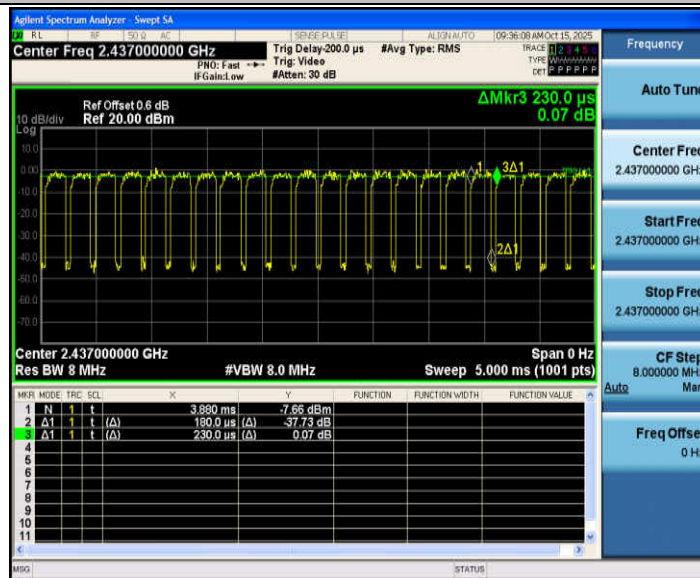
11AX20SISO_Ant1_2412



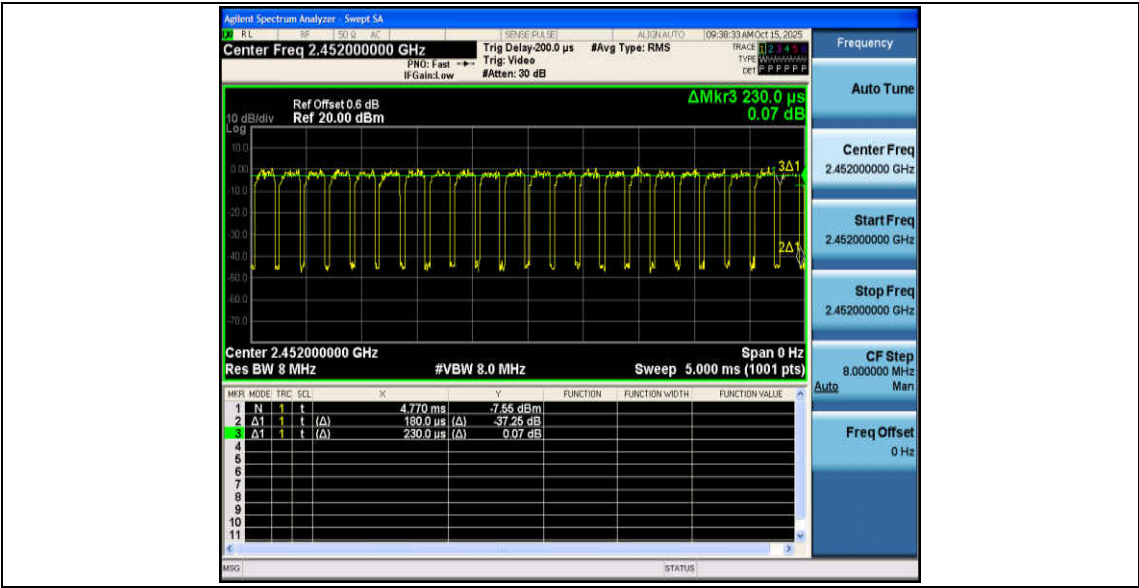
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix RF Test Data for 2.4GWIFI ANT2

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	16.160	2403.960	2420.120	0.5	PASS
		2437	16.160	2428.880	2445.040	0.5	PASS
		2462	16.080	2453.920	2470.000	0.5	PASS
11N20SISO	Ant1	2412	17.360	2403.360	2420.720	0.5	PASS
		2437	16.880	2428.640	2445.520	0.5	PASS
		2462	17.240	2453.440	2470.680	0.5	PASS
11N40SISO	Ant1	2422	35.760	2404.160	2439.920	0.5	PASS
		2437	35.680	2419.240	2454.920	0.5	PASS
		2452	35.600	2434.240	2469.840	0.5	PASS
11AX20SISO	Ant1	2412	18.520	2402.800	2421.320	0.5	PASS
		2437	16.880	2428.160	2445.040	0.5	PASS
		2462	18.720	2452.800	2471.520	0.5	PASS
11AX40SISO	Ant1	2422	36.480	2404.080	2440.560	0.5	PASS
		2437	36.960	2418.680	2455.640	0.5	PASS
		2452	36.720	2433.360	2470.080	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



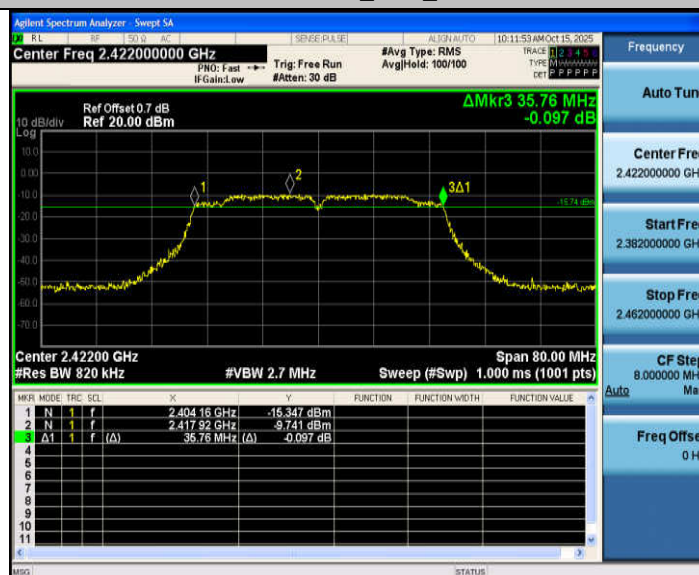
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



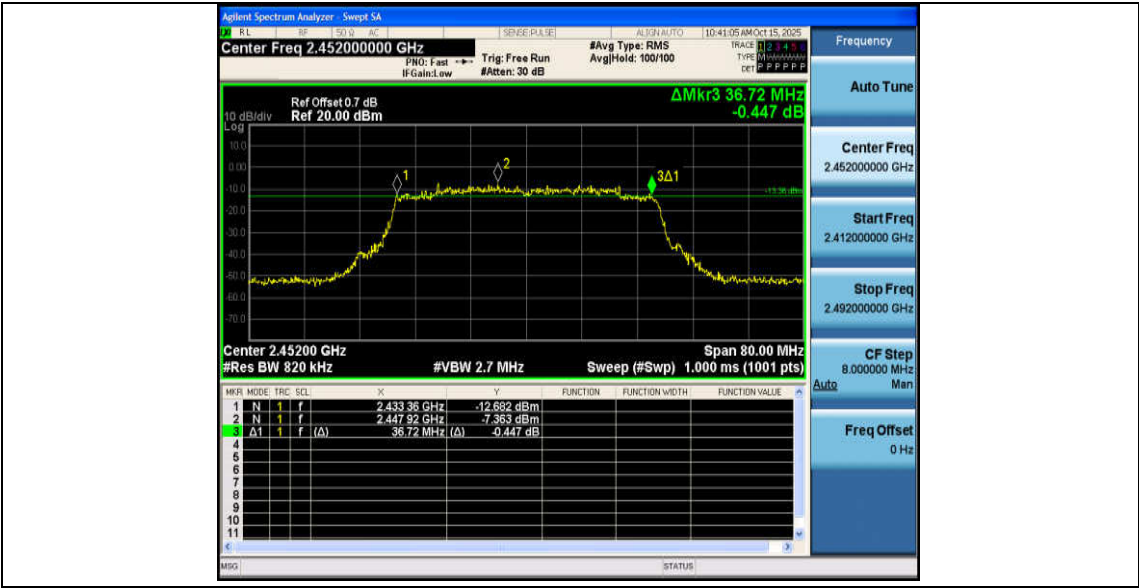
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



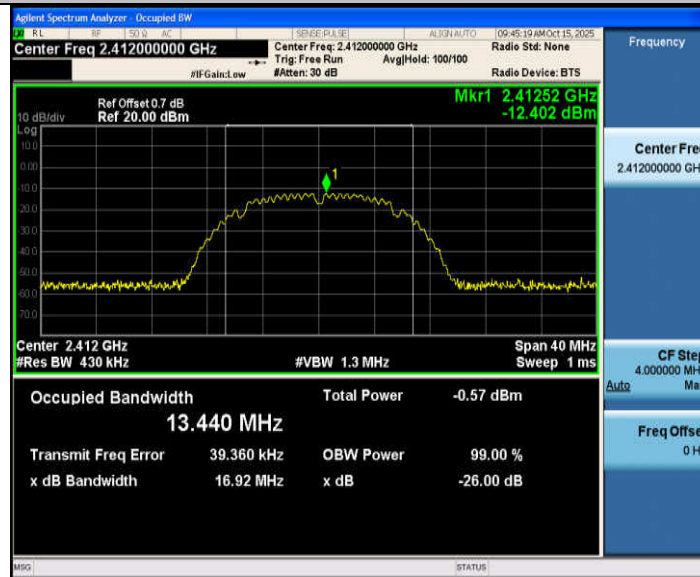
Appendix B: Occupied Channel Bandwidth

Test Result

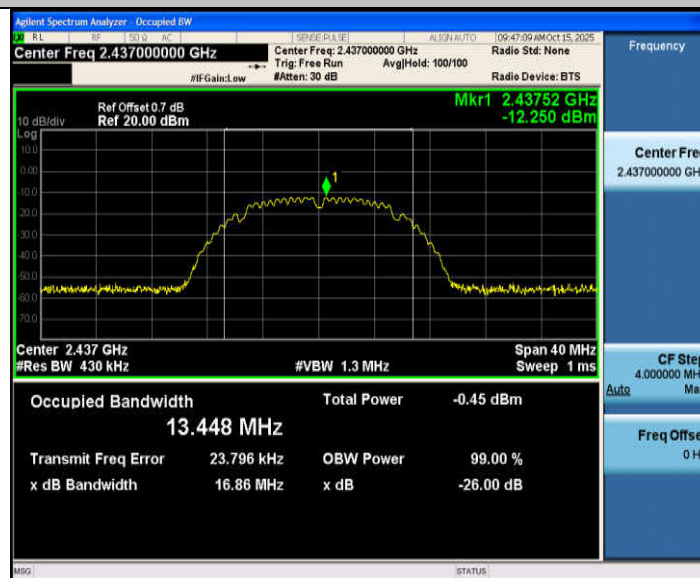
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.440	2405.3194	2418.7594	---	---
		2437	13.448	2430.2998	2443.7478	---	---
		2462	13.417	2455.3018	2468.7188	---	---
11G	Ant1	2412	16.779	2403.6743	2420.4533	---	---
		2437	16.845	2428.6374	2445.4824	---	---
		2462	16.839	2453.5994	2470.4384	---	---
11N20SISO	Ant1	2412	17.935	2403.0811	2421.0161	---	---
		2437	17.822	2428.0811	2445.9031	---	---
		2462	17.853	2453.1061	2470.9591	---	---
11N40SISO	Ant1	2422	35.946	2404.1102	2440.0562	---	---
		2437	35.947	2419.0873	2455.0343	---	---
		2452	35.994	2434.0616	2470.0556	---	---
11AX20SISO	Ant1	2412	18.908	2402.5810	2421.4890	---	---
		2437	18.958	2427.5493	2446.5073	---	---
		2462	18.884	2452.5888	2471.4728	---	---
11AX40SISO	Ant1	2422	37.480	2403.3441	2440.8241	---	---
		2437	37.437	2418.3305	2455.7675	---	---
		2452	37.428	2433.3588	2470.7868	---	---

Test Graphs

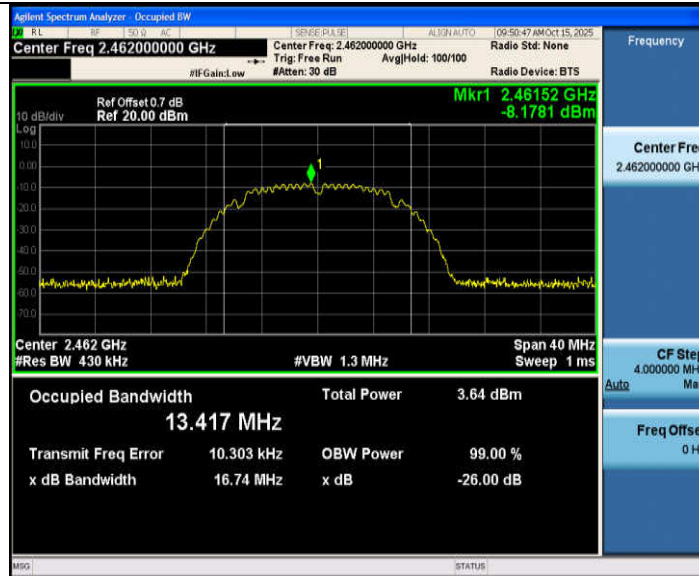
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



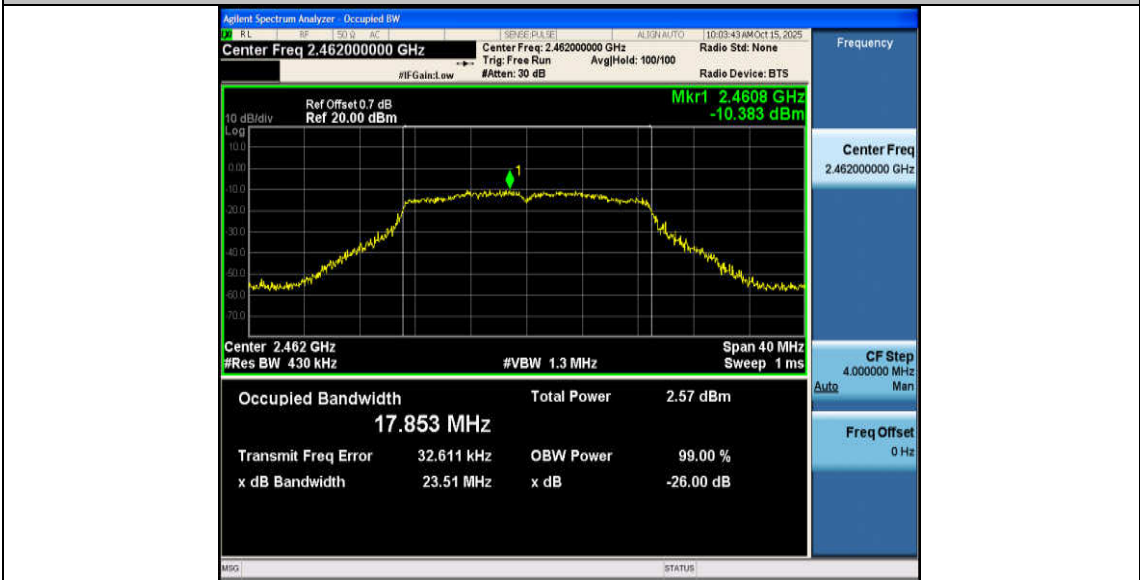
11N20SISO_Ant1_2412



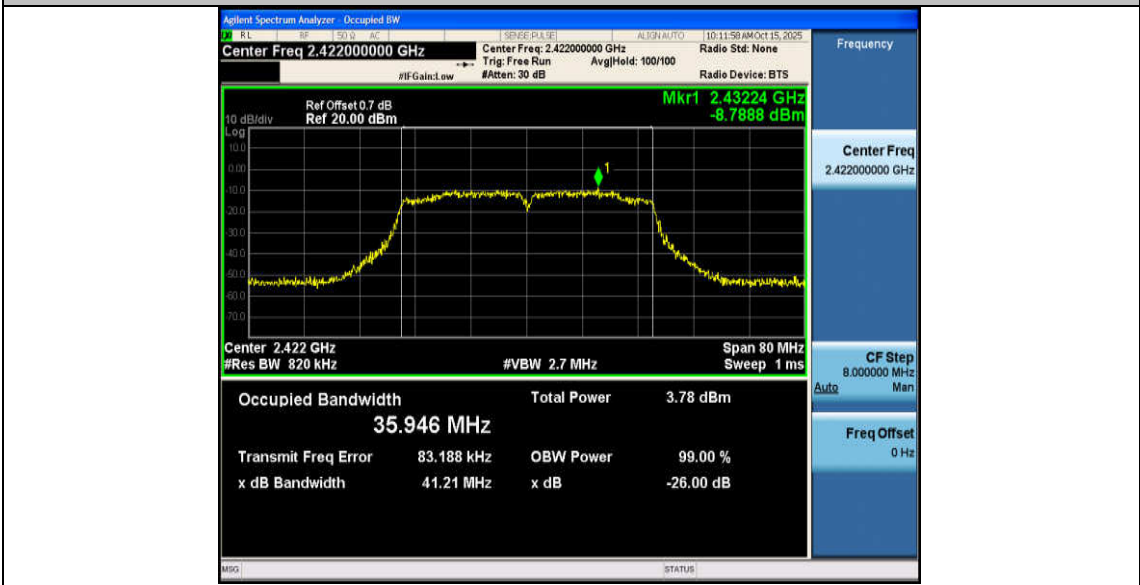
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



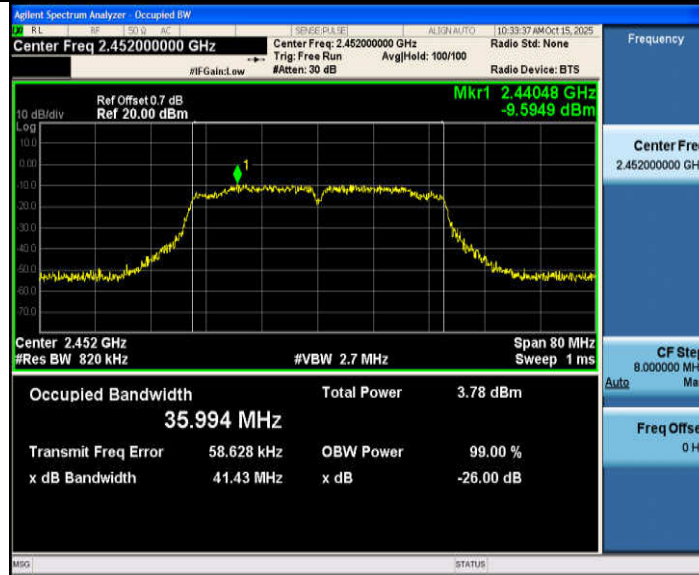
11N40SISO_Ant1_2422



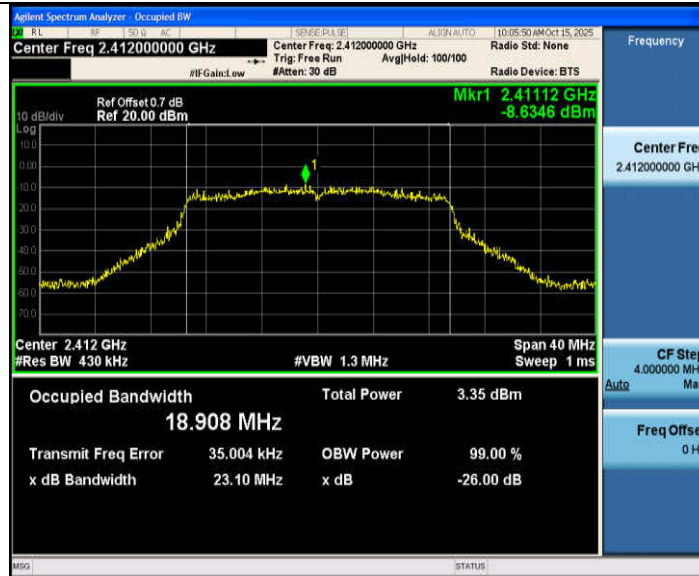
11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



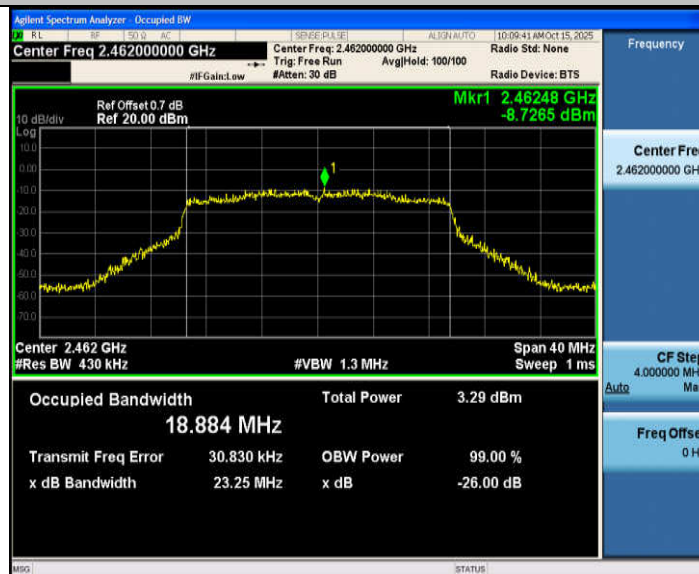
11AX20SISO_Ant1_2412



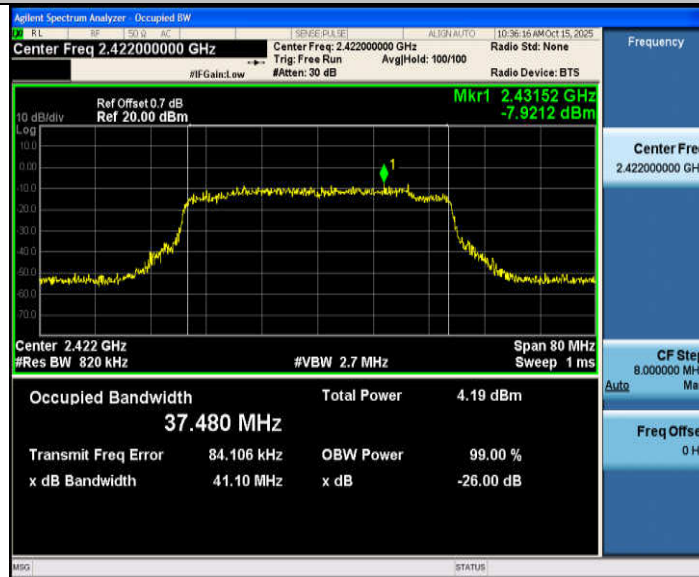
11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_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	3.78	≤30.00	PASS
		2437	3.85	≤30.00	PASS
		2462	3.50	≤30.00	PASS
11G	Ant1	2412	3.39	≤30.00	PASS
		2437	3.34	≤30.00	PASS
		2462	3.26	≤30.00	PASS
11N20SISO	Ant1	2412	3.26	≤30.00	PASS
		2437	3.38	≤30.00	PASS
		2462	3.19	≤30.00	PASS
11N40SISO	Ant1	2422	3.88	≤30.00	PASS
		2437	3.93	≤30.00	PASS
		2452	3.86	≤30.00	PASS
11AX20SISO	Ant1	2412	3.74	≤30.00	PASS
		2437	3.66	≤30.00	PASS
		2462	3.58	≤30.00	PASS
11AX40SISO	Ant1	2422	4.32	≤30.00	PASS
		2437	4.16	≤30.00	PASS
		2452	4.28	≤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	-21.88	≤8.00	PASS
		2437	-22.34	≤8.00	PASS
		2462	-21.90	≤8.00	PASS
11G	Ant1	2412	-27.16	≤8.00	PASS
		2437	-26.43	≤8.00	PASS
		2462	-27.58	≤8.00	PASS
11N20SISO	Ant1	2412	-27.35	≤8.00	PASS
		2437	-27.65	≤8.00	PASS
		2462	-27.80	≤8.00	PASS
11N40SISO	Ant1	2422	-29.31	≤8.00	PASS
		2437	-29.74	≤8.00	PASS
		2452	-30.18	≤8.00	PASS
11AX20SISO	Ant1	2412	-28.37	≤8.00	PASS
		2437	-28.13	≤8.00	PASS
		2462	-28.84	≤8.00	PASS
11AX40SISO	Ant1	2422	-31.13	≤8.00	PASS
		2437	-31.67	≤8.00	PASS
		2452	-30.43	≤8.00	PASS

Test Graphs

11B_Ant1_2412



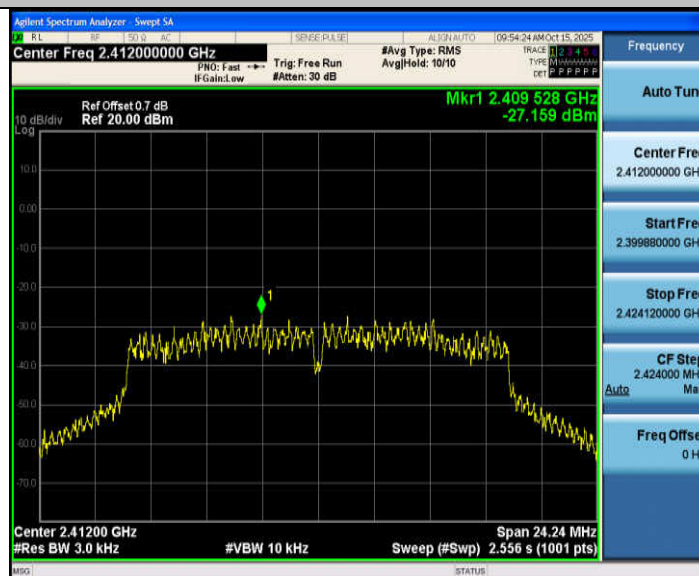
11B_Ant1_2437



11B_Ant1_2462



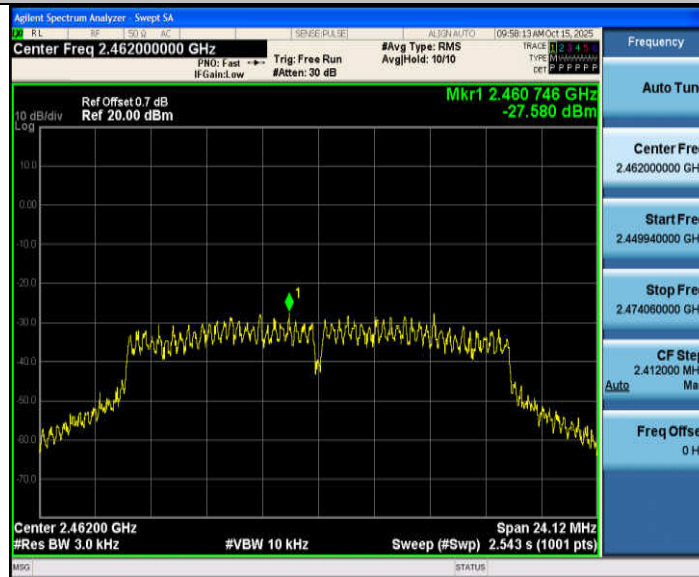
11G_Ant1_2412



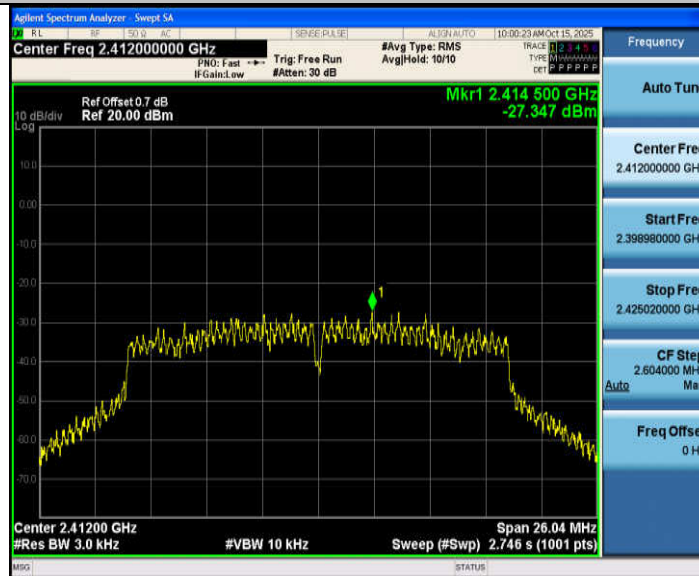
11G_Ant1_2437



11G_Ant1_2462



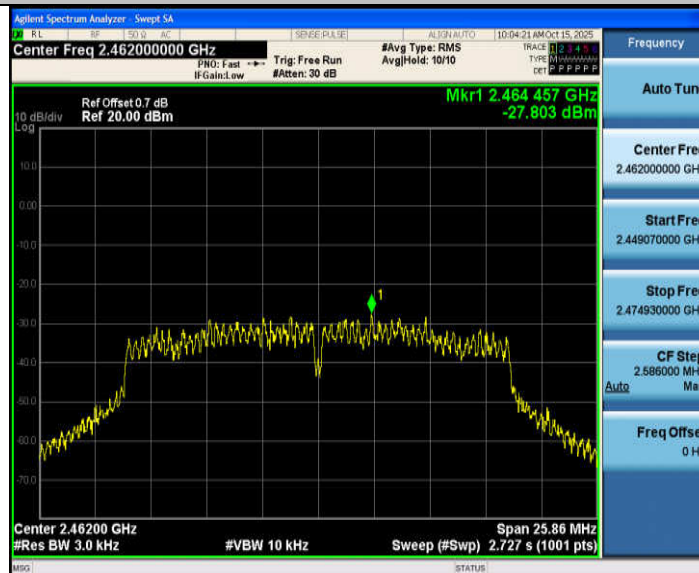
11N20SISO_Ant1_2412



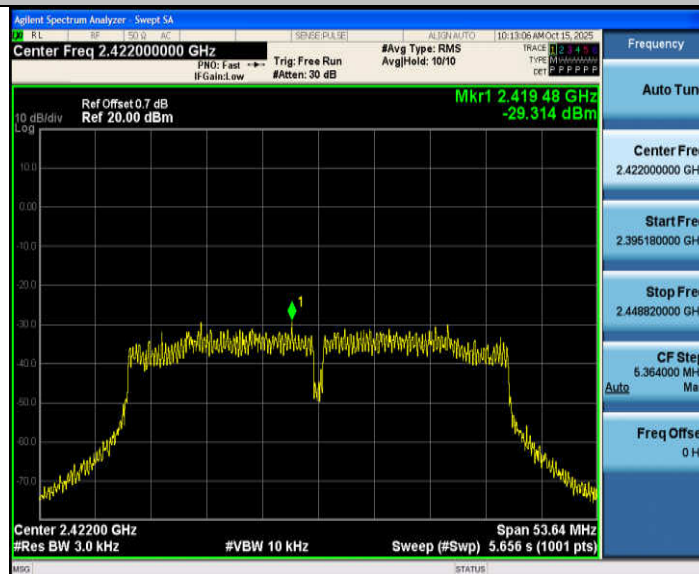
11N20SISO_Ant1_2437



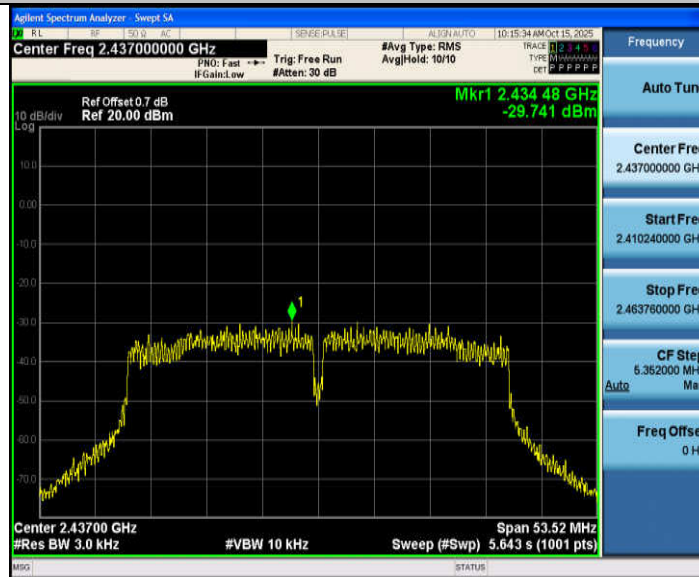
11N20SISO_Ant1_2462



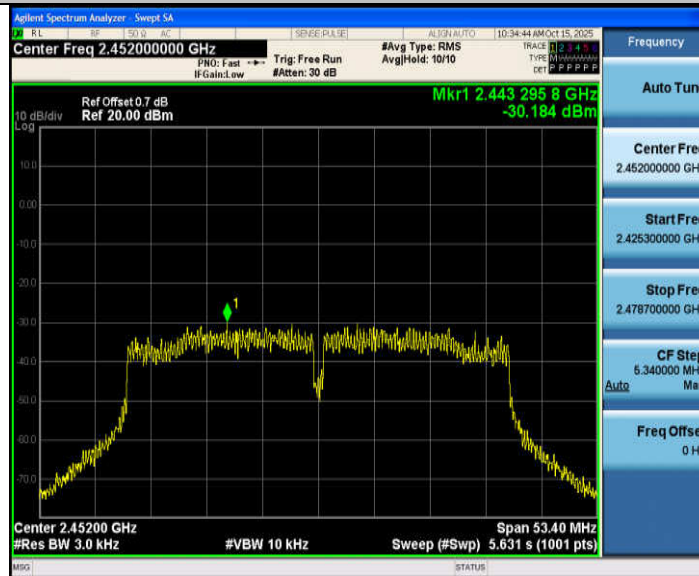
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412