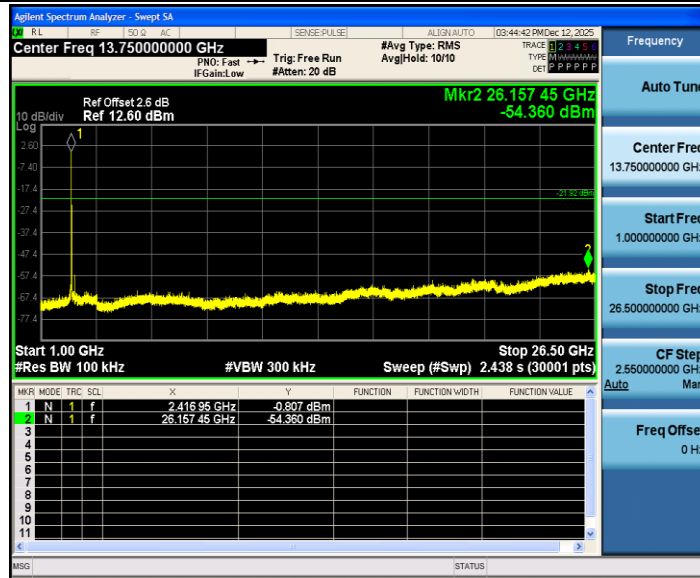


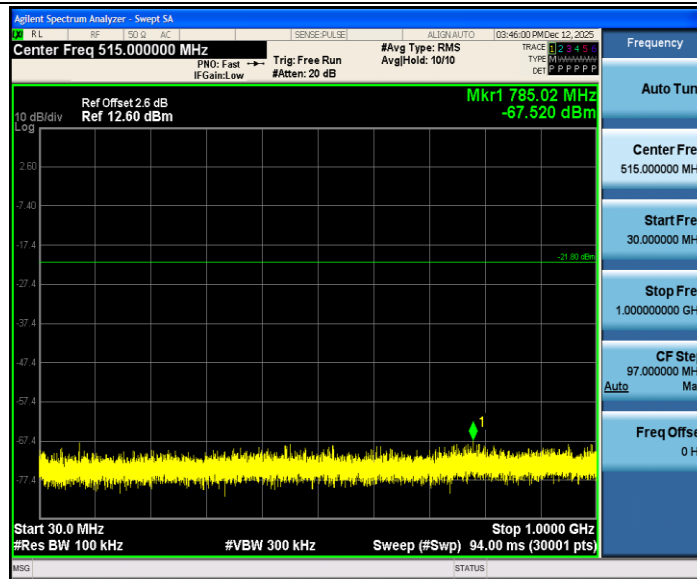
11N20SISO_Ant1_2412_1000~26500



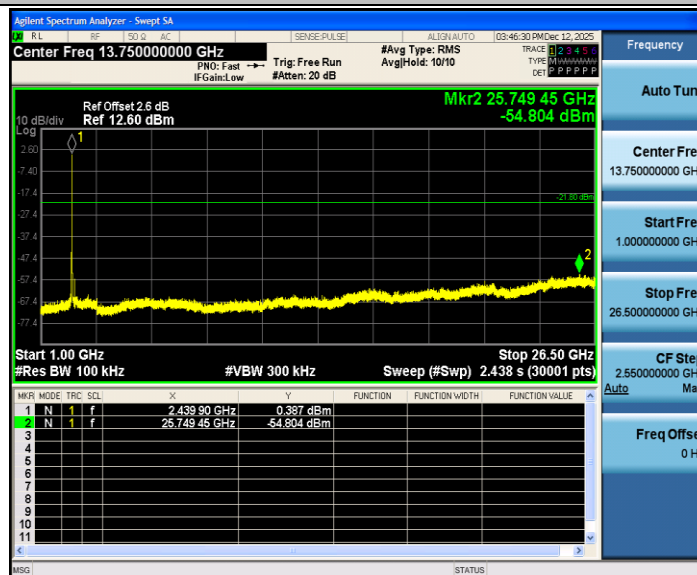
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



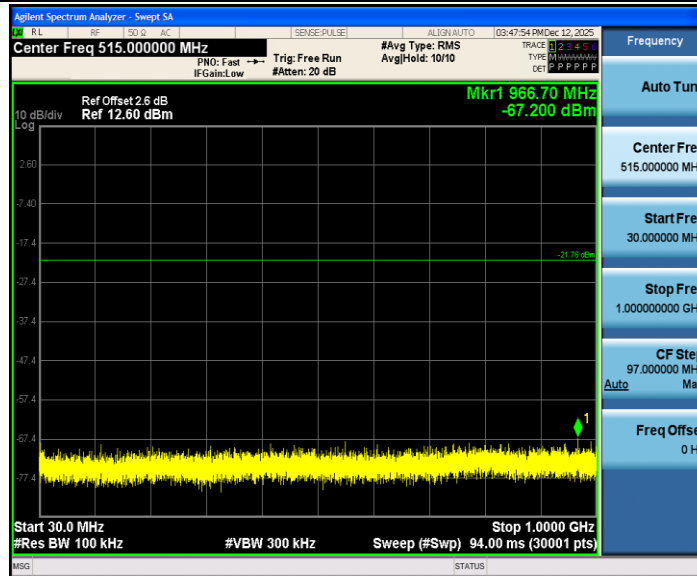
11N20SISO_Ant1_2437_1000~26500



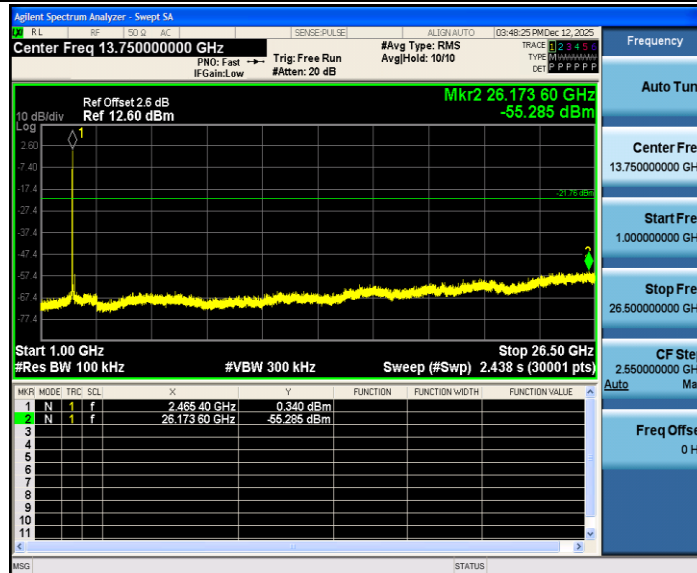
11N20SISO_Ant1_2462_0~Reference



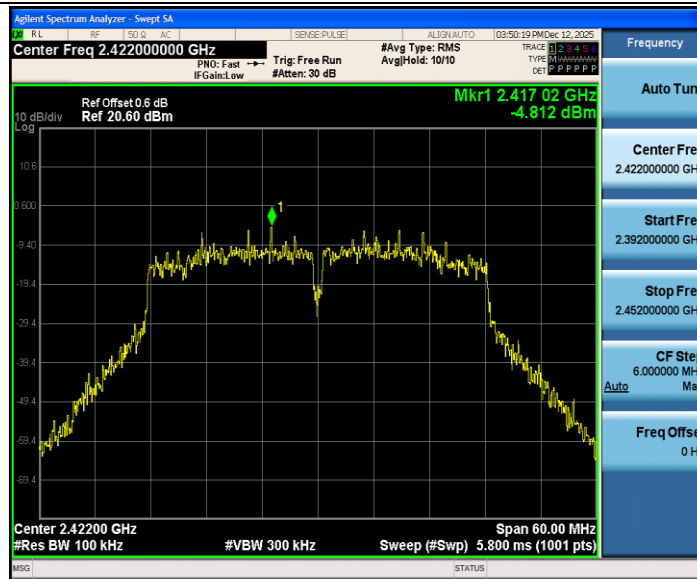
11N20SISO_Ant1_2462_30~1000



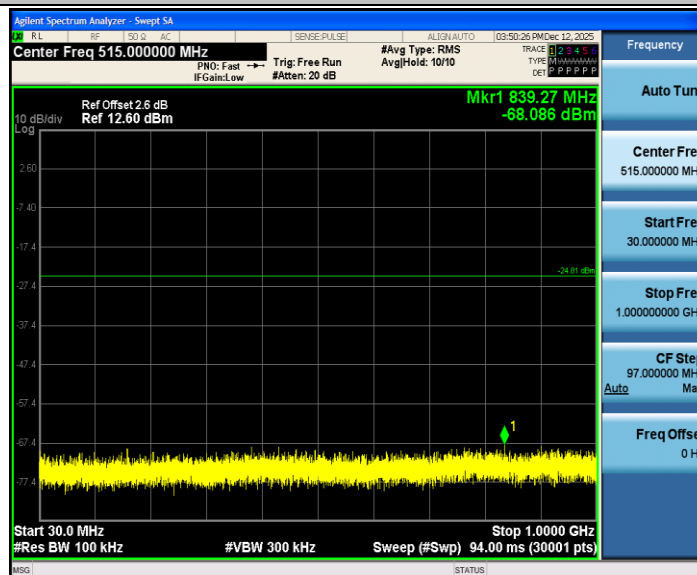
11N20SISO_Ant1_2462_1000~26500



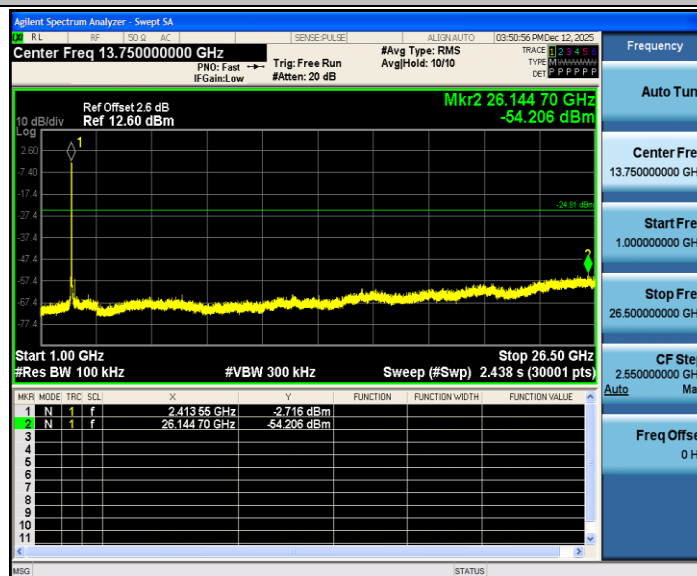
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



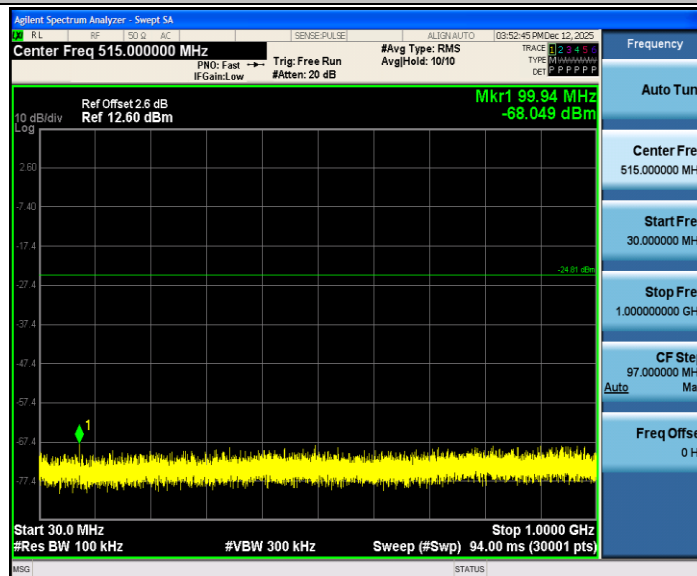
11N40SISO_Ant1_2422_1000~26500



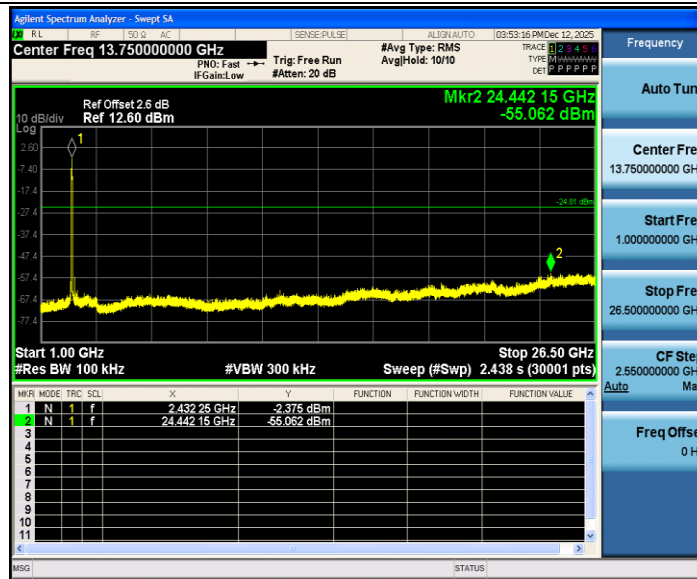
11N40SISO_Ant1_2437_0~Reference



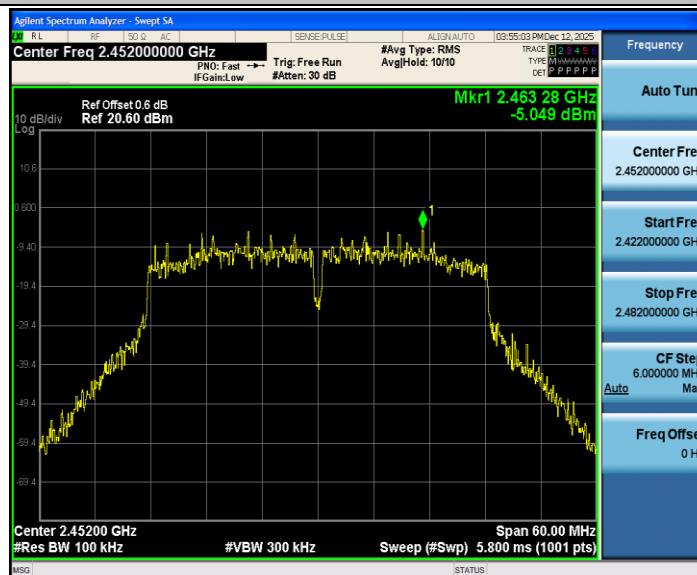
11N40SISO_Ant1_2437_30~1000



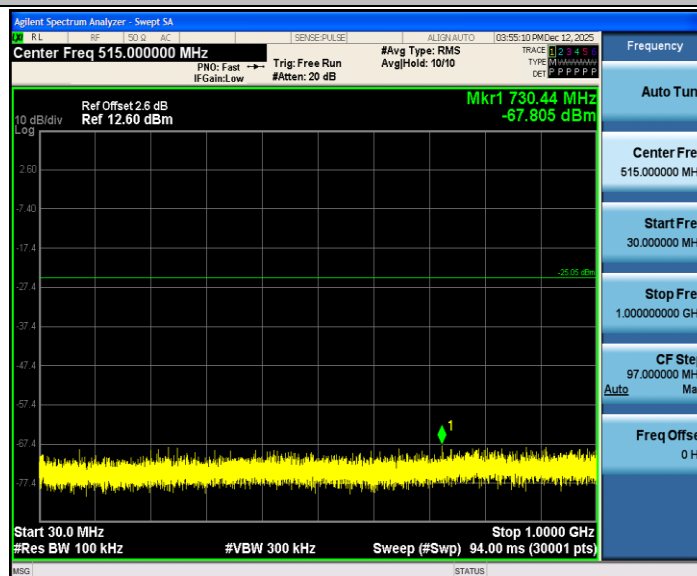
11N40SISO_Ant1_2437_1000~26500



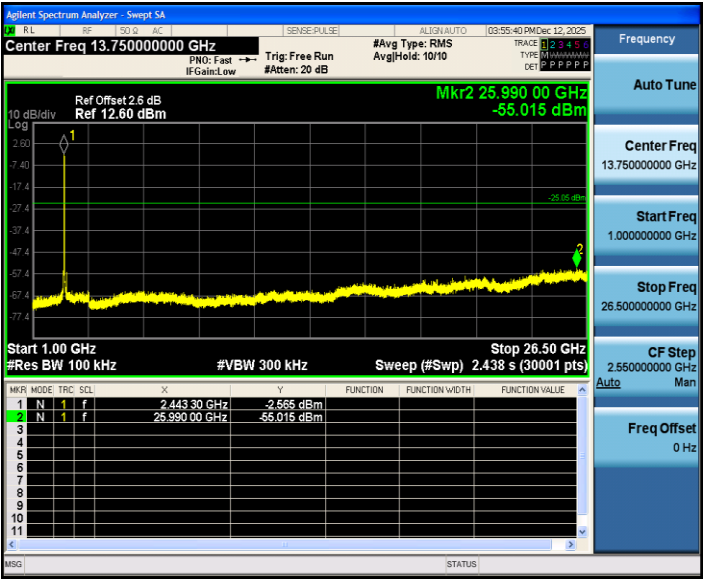
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



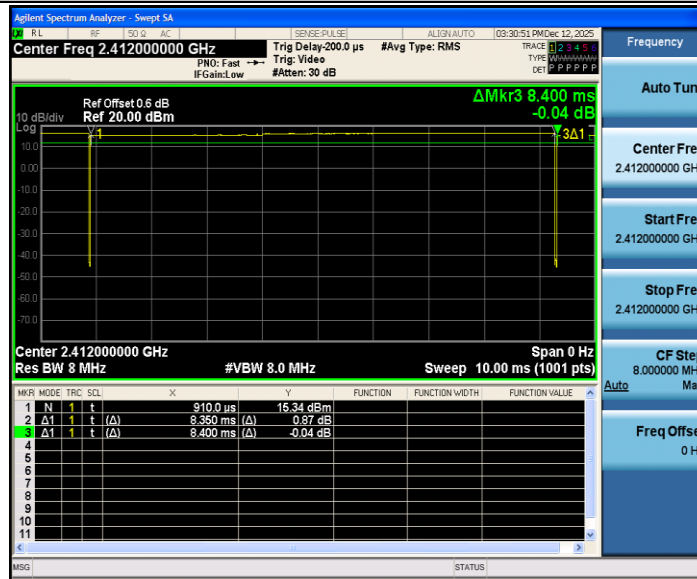
Appendix G: Duty Cycle

Test Result

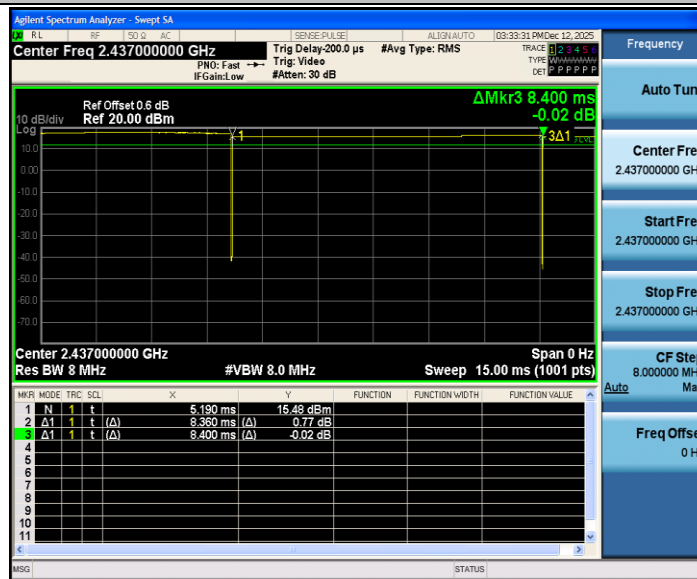
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.35	8.40	99.40
		2437	8.36	8.40	99.52
		2462	8.36	8.40	99.52
11G	Ant1	2412	0.15	0.20	75.00
		2437	0.15	0.20	75.00
		2462	0.14	0.19	73.68
11N20SISO	Ant1	2412	0.18	0.23	78.26
		2437	0.17	0.22	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

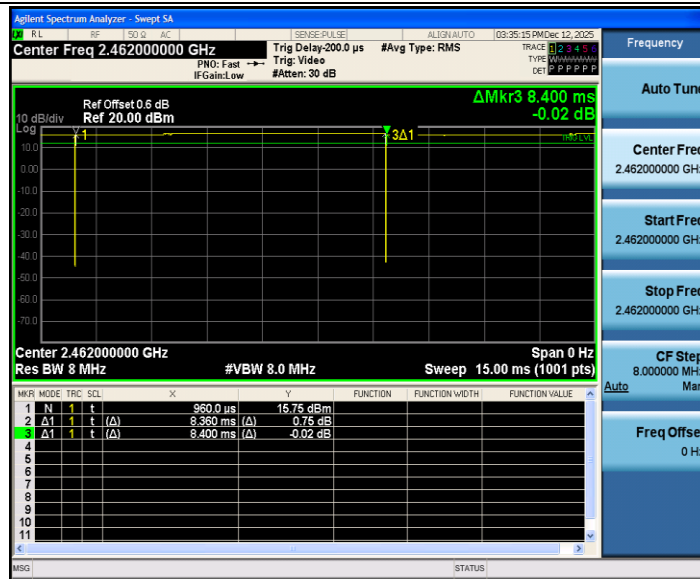
11B_Ant1_2412



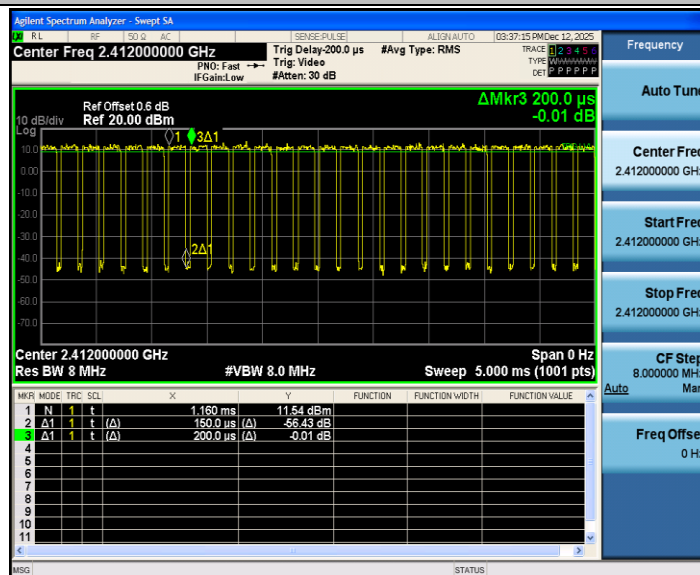
11B_Ant1_2437



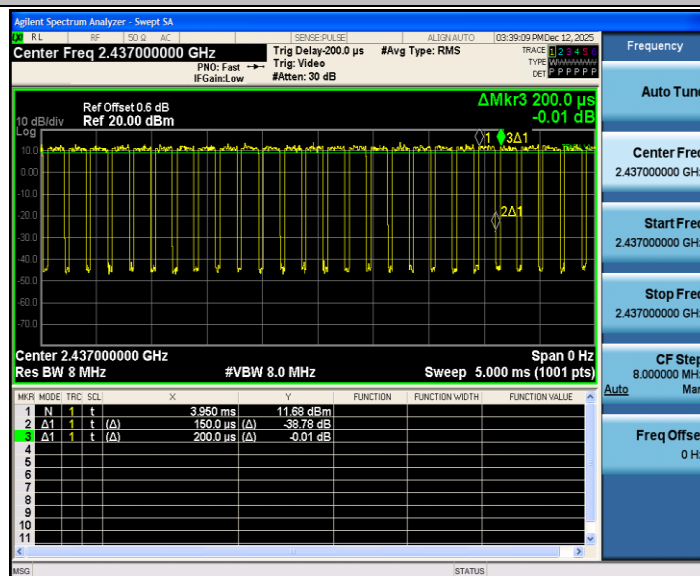
11B_Ant1_2462



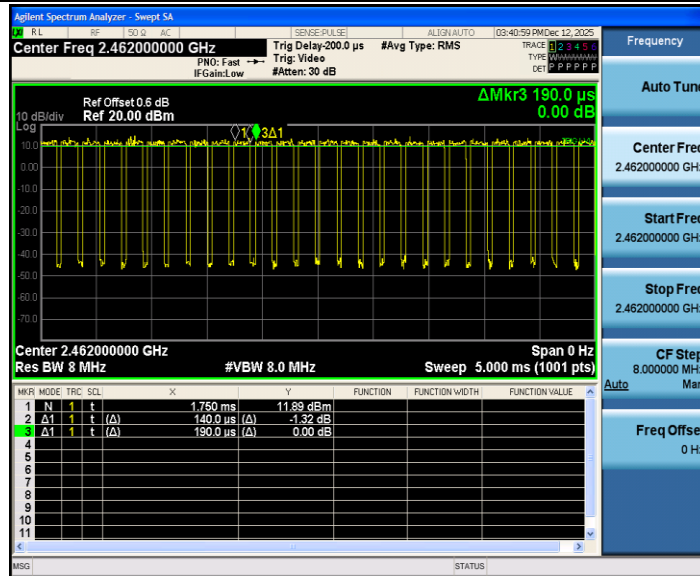
11G_Ant1_2412



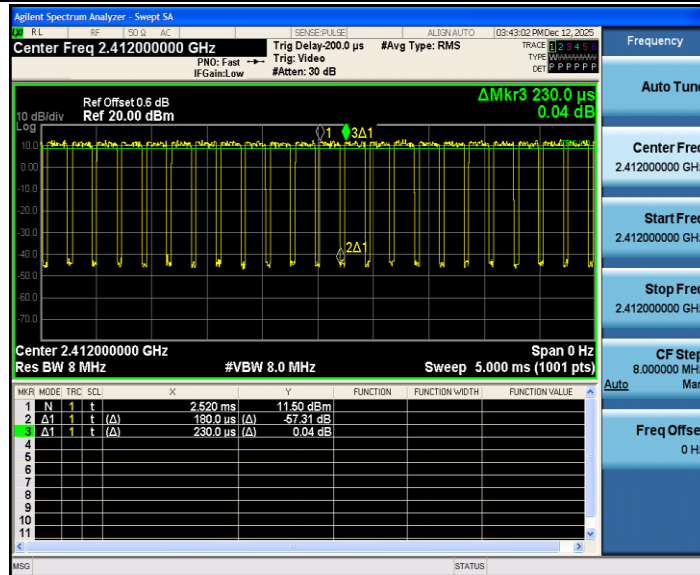
11G_Ant1_2437



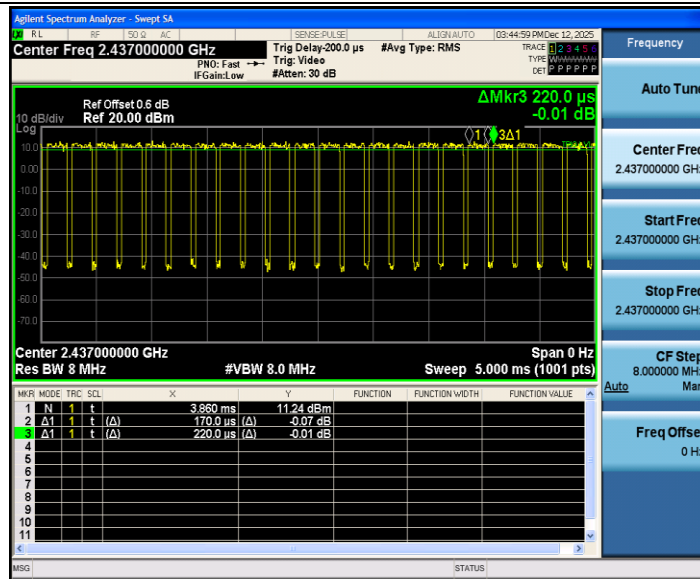
11G_Ant1_2462



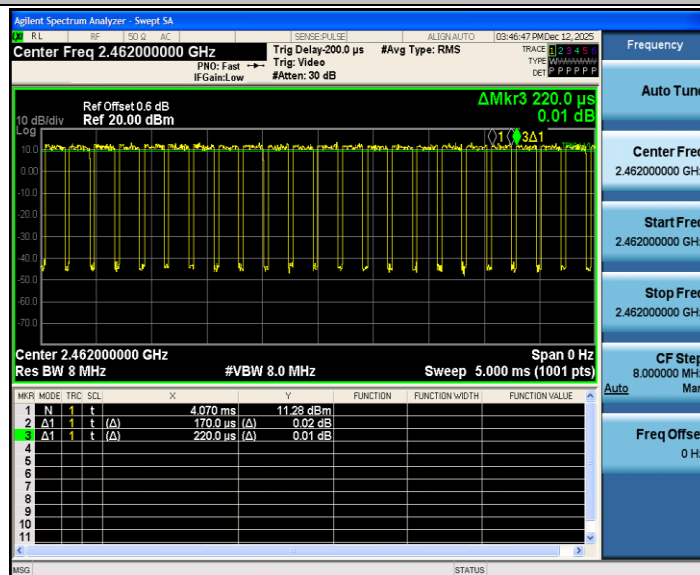
11N20SISO_Ant1_2412



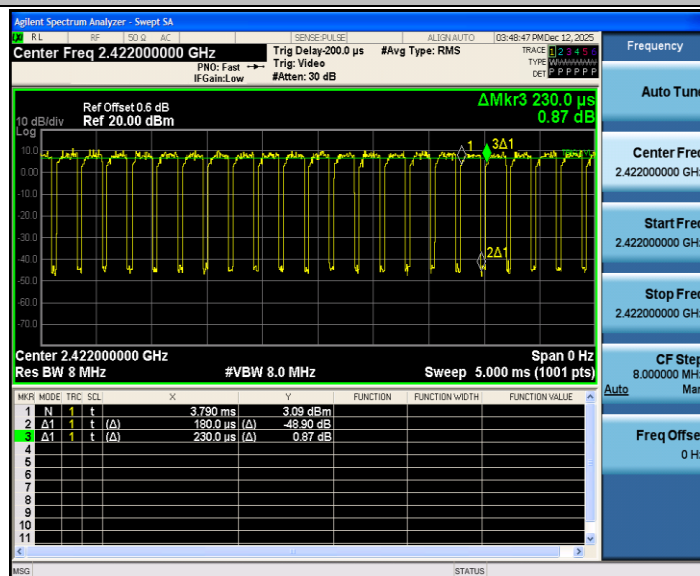
11N20SISO_Ant1_2437



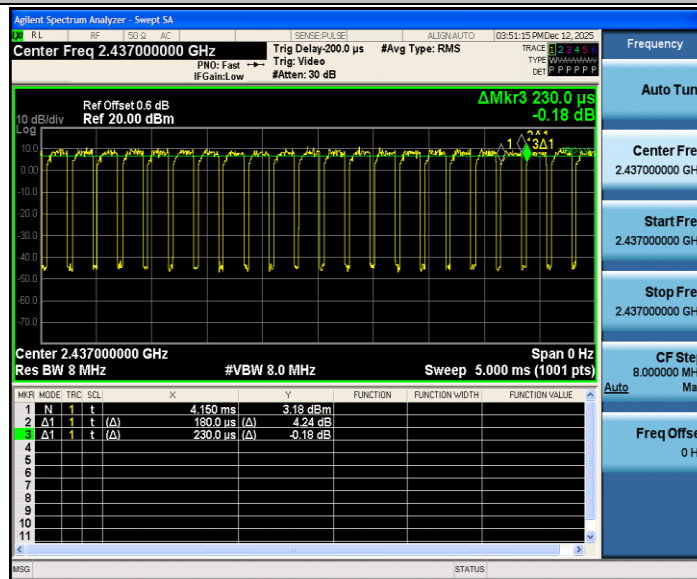
11N20SISO_Ant1_2462



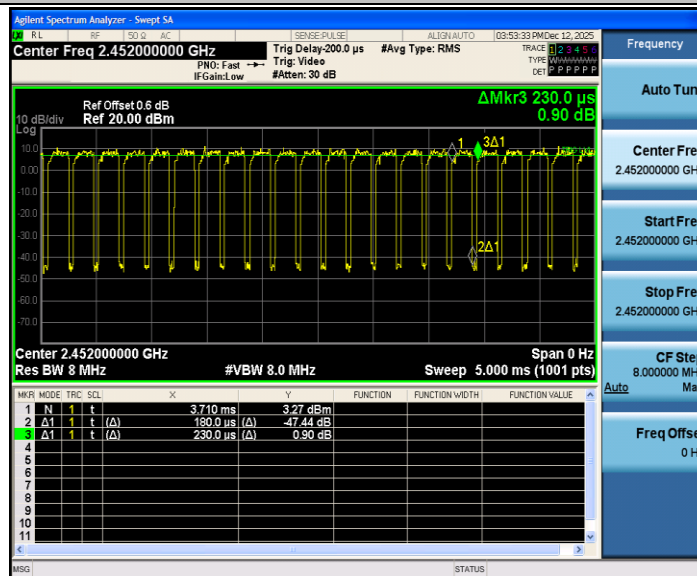
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



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	Ant2	2412	10.240	2406.920	2417.160	0.5	PASS
		2437	10.240	2431.920	2442.160	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant2	2412	15.960	2404.120	2420.080	0.5	PASS
		2437	16.120	2428.960	2445.080	0.5	PASS
		2462	16.120	2453.960	2470.080	0.5	PASS
11N20SISO	Ant2	2412	17.360	2403.360	2420.720	0.5	PASS
		2437	17.160	2428.480	2445.640	0.5	PASS
		2462	17.280	2453.400	2470.680	0.5	PASS
11N40SISO	Ant2	2422	35.680	2404.240	2439.920	0.5	PASS
		2437	35.680	2419.240	2454.920	0.5	PASS
		2452	35.600	2434.320	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



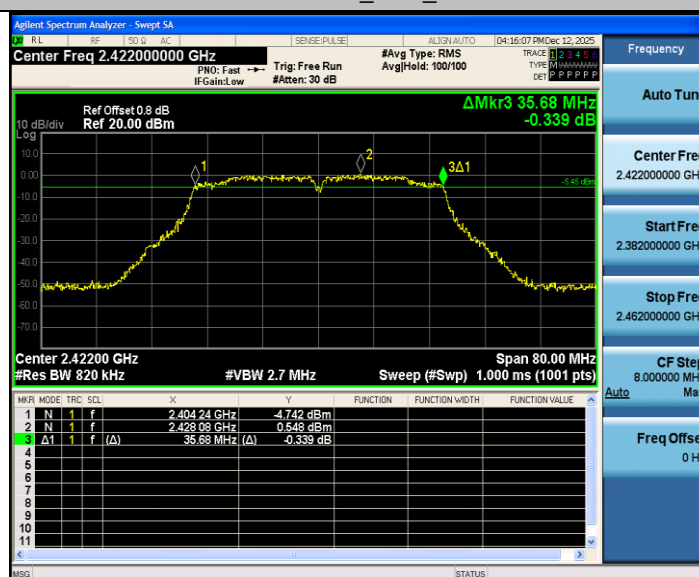
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



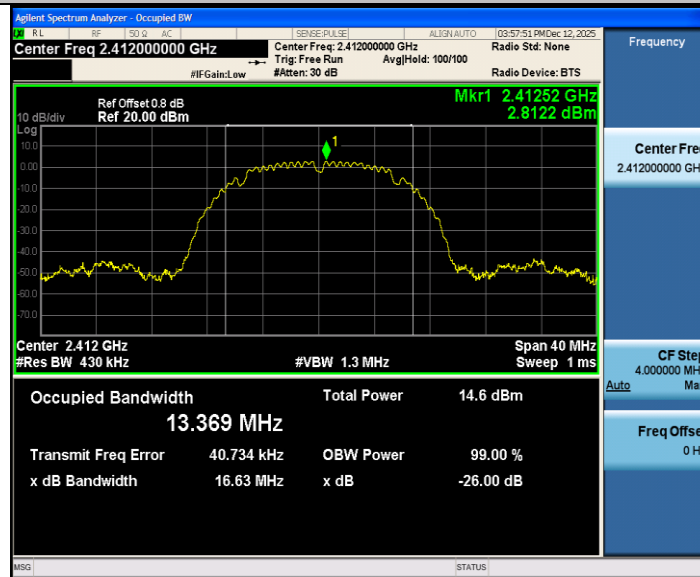
Appendix B: Occupied Channel Bandwidth

Test Result

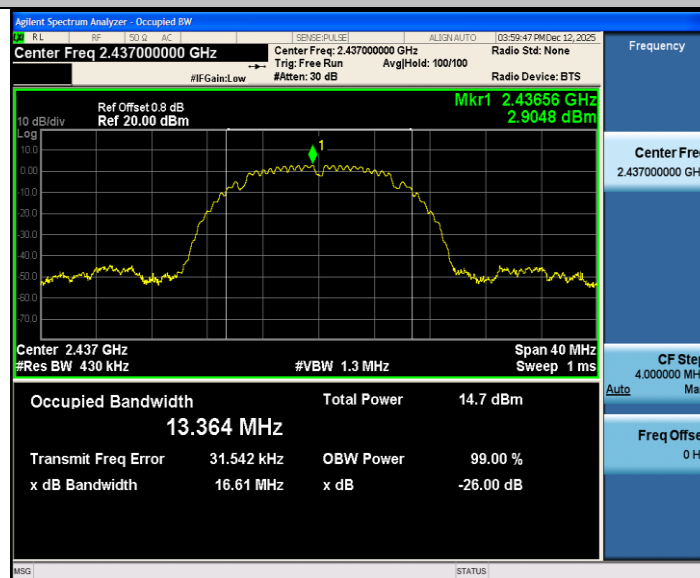
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	13.369	2405.3562	2418.7252	---	---
		2437	13.364	2430.3495	2443.7135	---	---
		2462	13.379	2455.3271	2468.7061	---	---
11G	Ant2	2412	16.712	2403.6790	2420.3910	---	---
		2437	16.694	2428.7113	2445.4053	---	---
		2462	16.784	2453.6286	2470.4126	---	---
11N20SISO	Ant2	2412	17.808	2403.1287	2420.9367	---	---
		2437	17.762	2428.1334	2445.8954	---	---
		2462	17.875	2453.0847	2470.9597	---	---
11N40SISO	Ant2	2422	36.022	2404.0692	2440.0912	---	---
		2437	36.010	2419.0659	2455.0759	---	---
		2452	36.043	2434.0832	2470.1262	---	---

Test Graphs

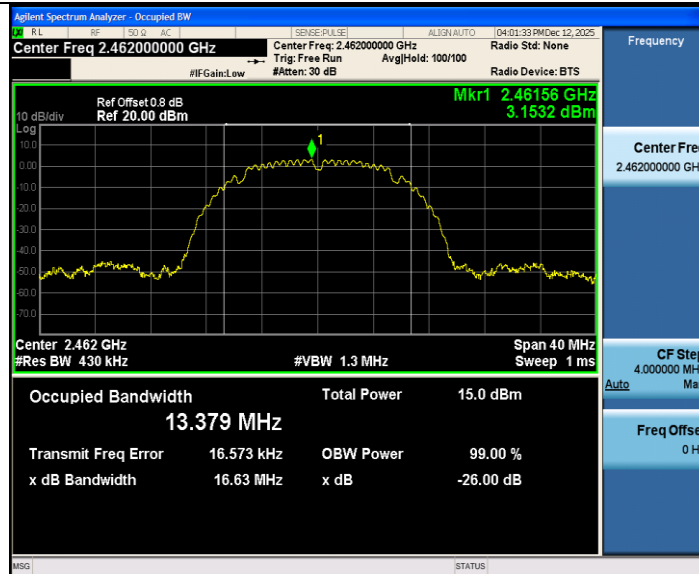
11B_Ant1_2412



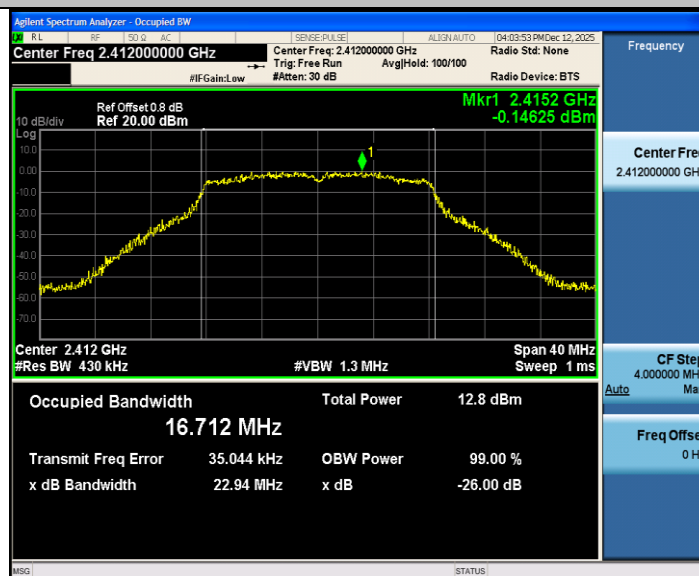
11B_Ant1_2437



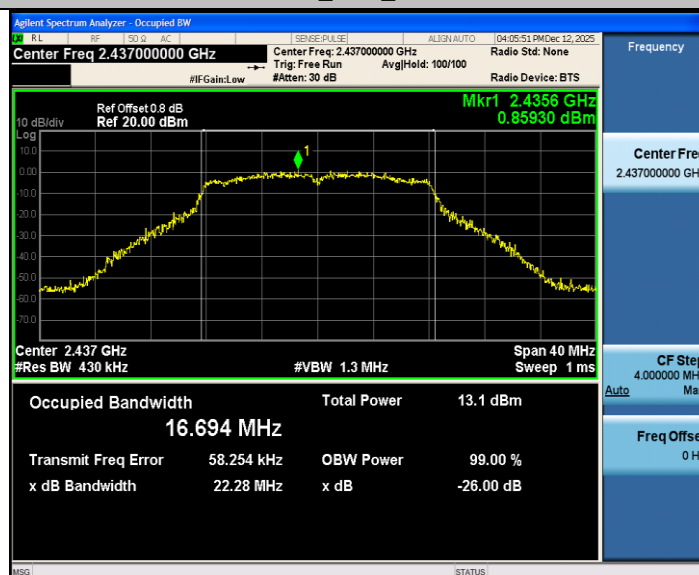
11B_Ant1_2462



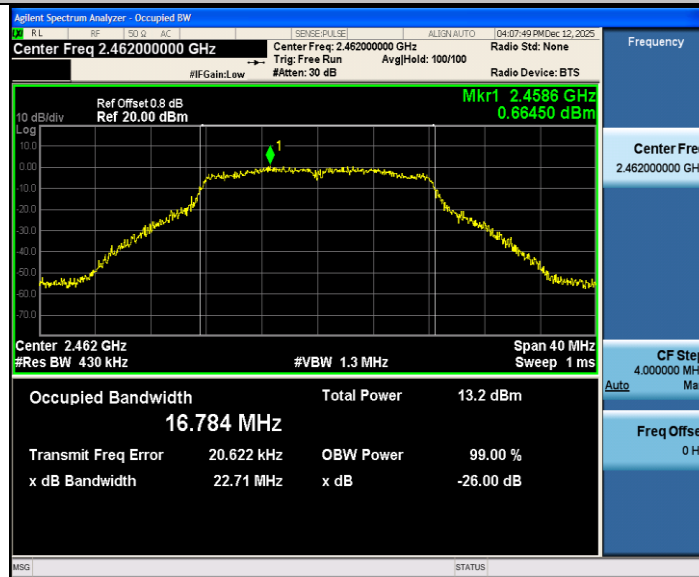
11G_Ant1_2412



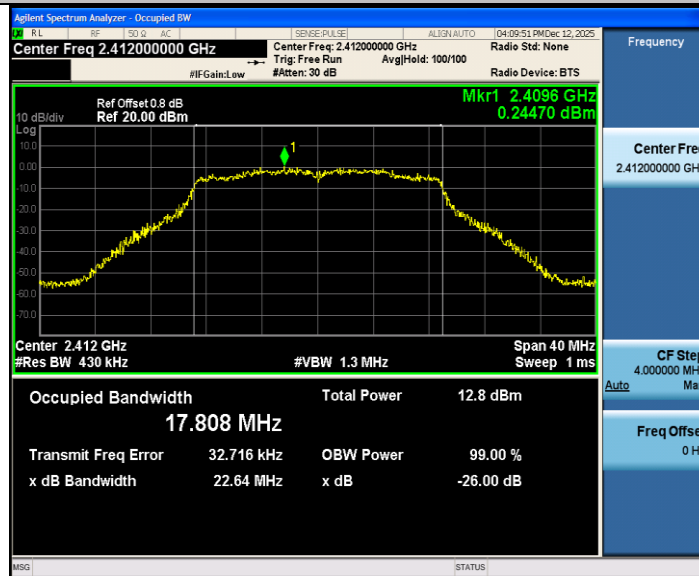
11G_Ant1_2437



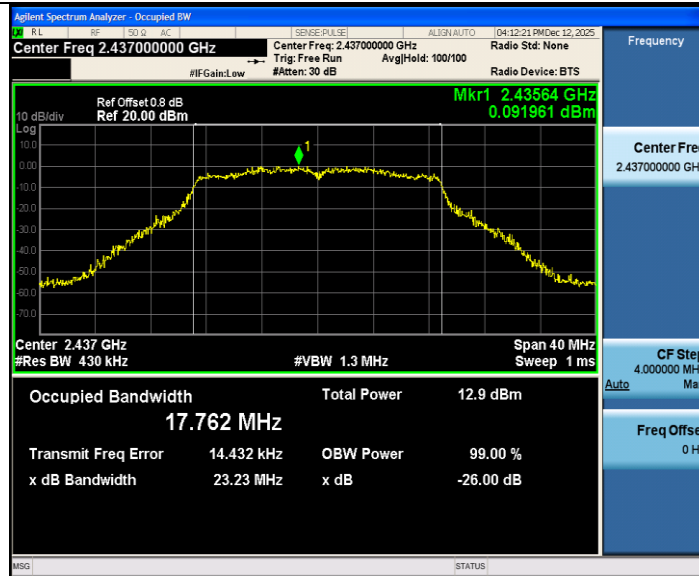
11G_Ant1_2462



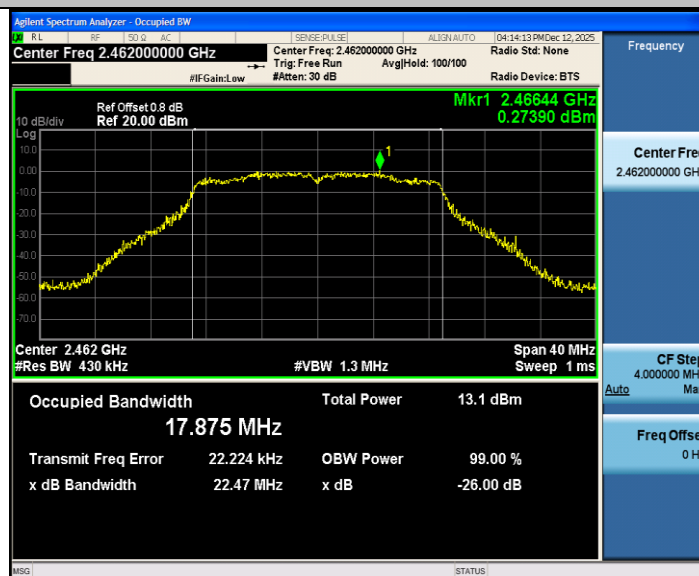
11N20SISO_Ant1_2412



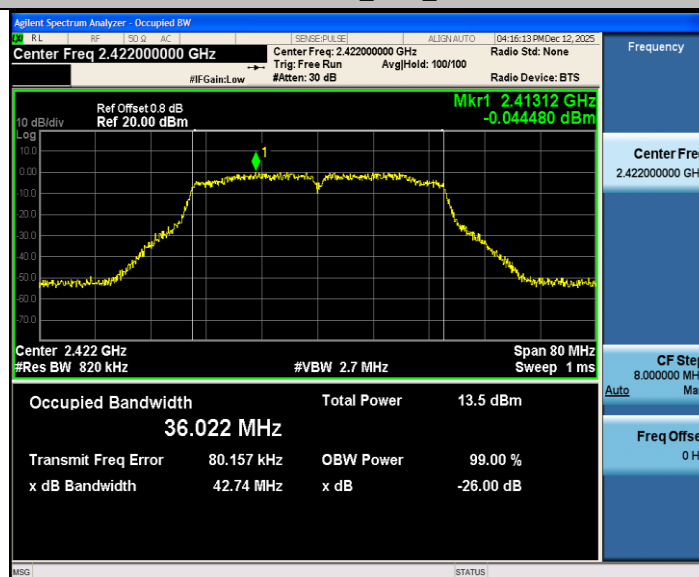
11N20SISO_Ant1_2437



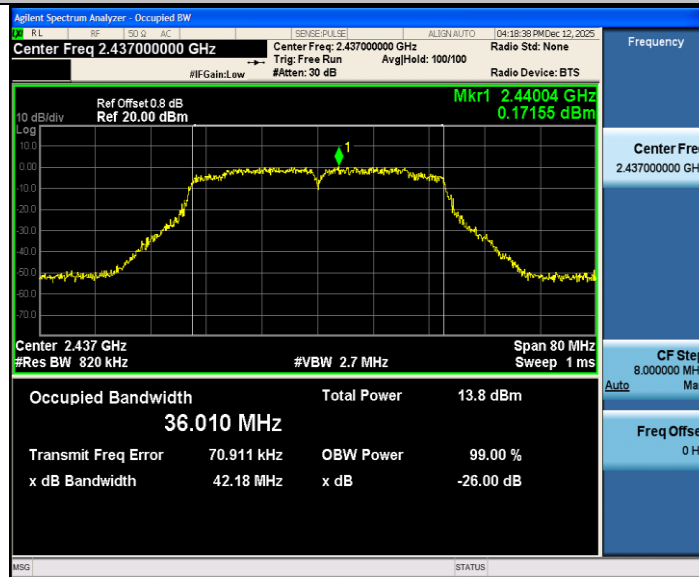
11N20SISO_Ant1_2462



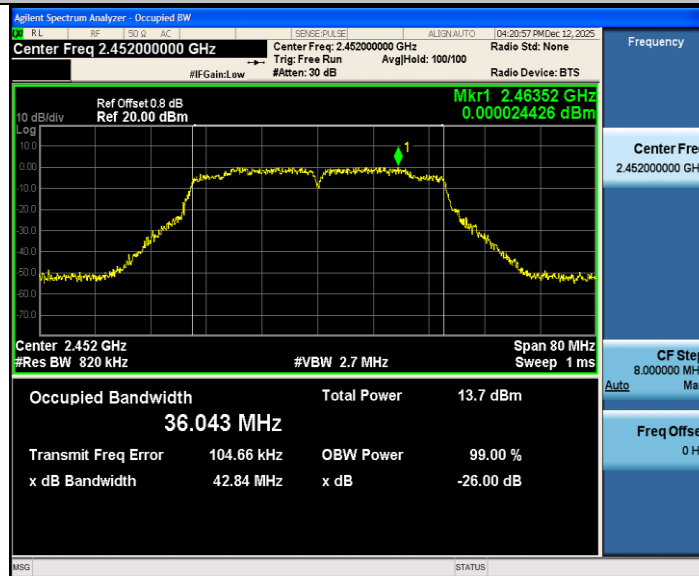
11N40SISO_Ant1_2422



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	Ant2	2412	14.45	≤30.00	PASS
		2437	14.57	≤30.00	PASS
		2462	14.73	≤30.00	PASS
11G	Ant2	2412	13.55	≤30.00	PASS
		2437	13.72	≤30.00	PASS
		2462	13.89	≤30.00	PASS
11N20SISO	Ant2	2412	13.43	≤30.00	PASS
		2437	13.55	≤30.00	PASS
		2462	13.82	≤30.00	PASS
11N40SISO	Ant2	2422	13.77	≤30.00	PASS
		2437	13.96	≤30.00	PASS
		2452	14.02	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-11.60	≤8.00	PASS
		2437	-10.98	≤8.00	PASS
		2462	-10.44	≤8.00	PASS
11G	Ant2	2412	-17.06	≤8.00	PASS
		2437	-16.28	≤8.00	PASS
		2462	-17.24	≤8.00	PASS
11N20SISO	Ant2	2412	-17.66	≤8.00	PASS
		2437	-16.96	≤8.00	PASS
		2462	-16.78	≤8.00	PASS
11N40SISO	Ant2	2422	-19.98	≤8.00	PASS
		2437	-19.25	≤8.00	PASS
		2452	-19.72	≤8.00	PASS

Test Graphs

11B_Ant1_2412



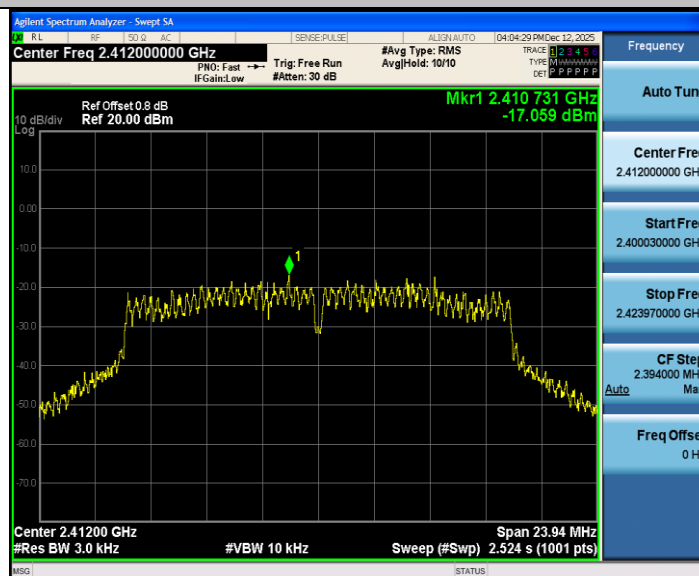
11B_Ant1_2437



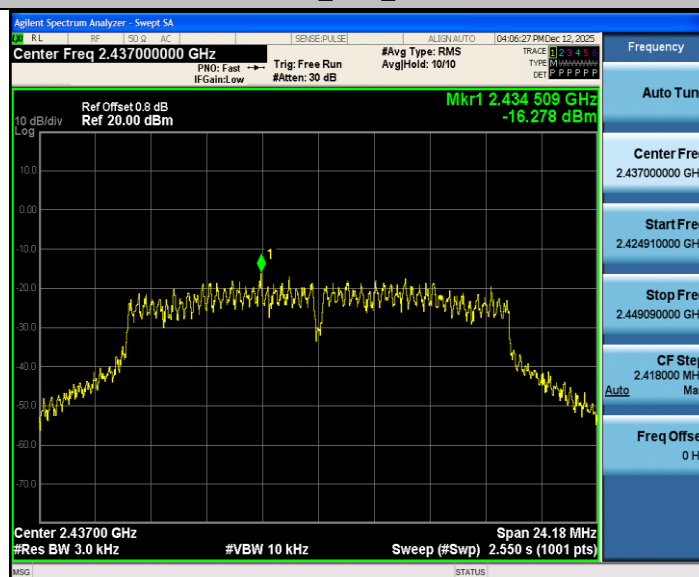
11B_Ant1_2462



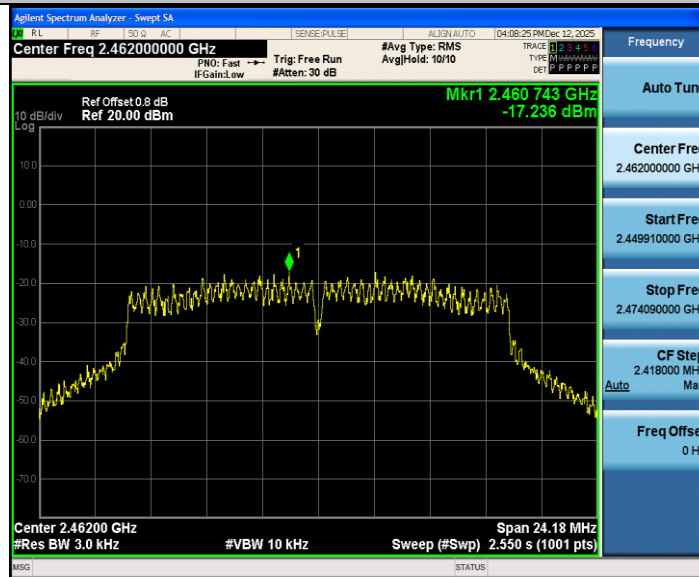
11G_Ant1_2412



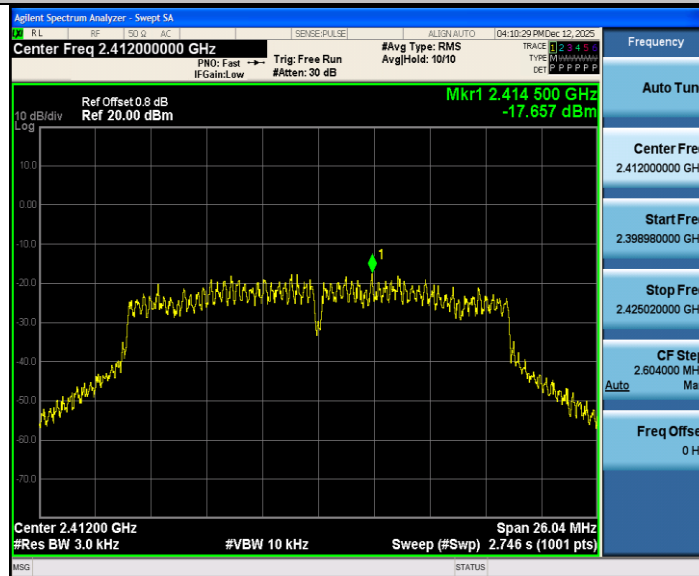
11G_Ant1_2437



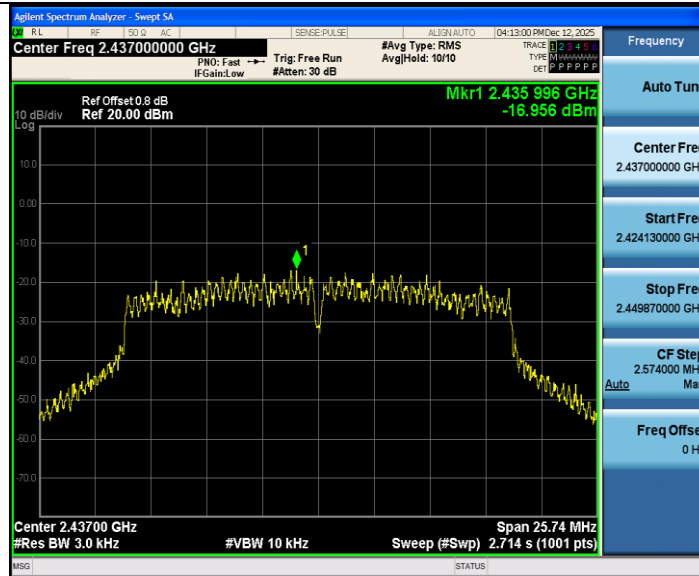
11G_Ant1_2462



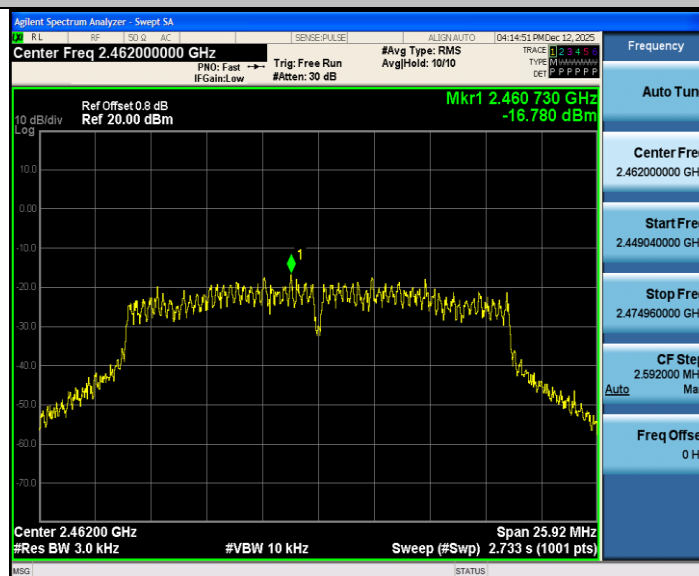
11N20SISO_Ant1_2412



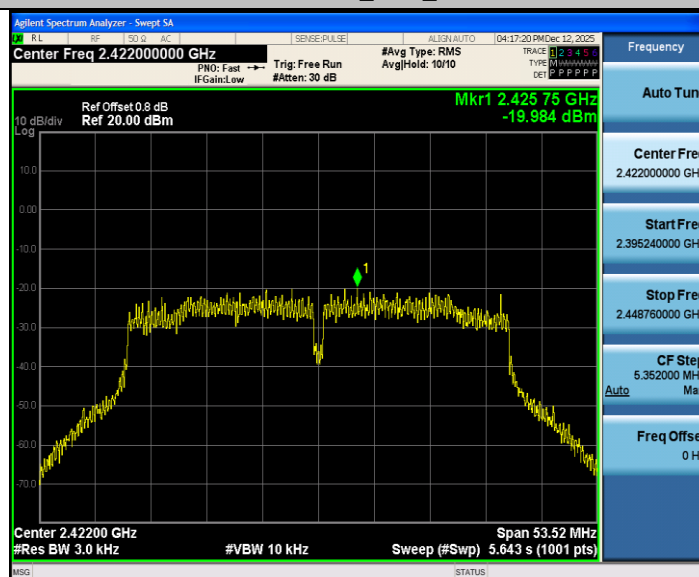
11N20SISO_Ant1_2437



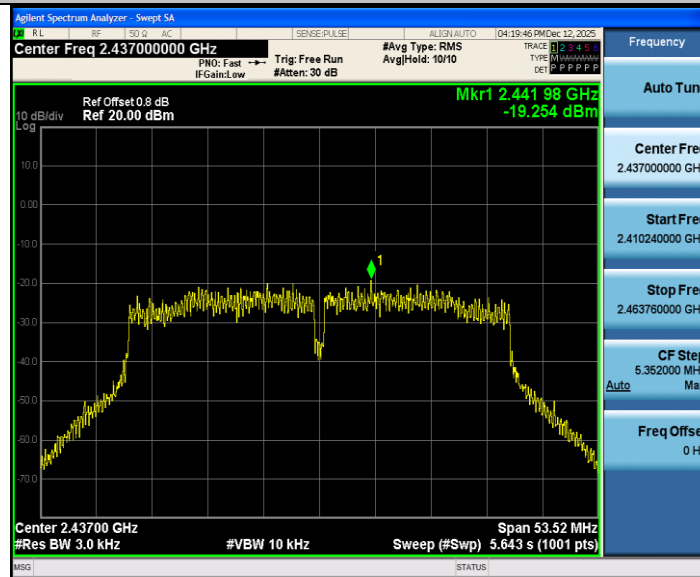
11N20SISO_Ant1_2462



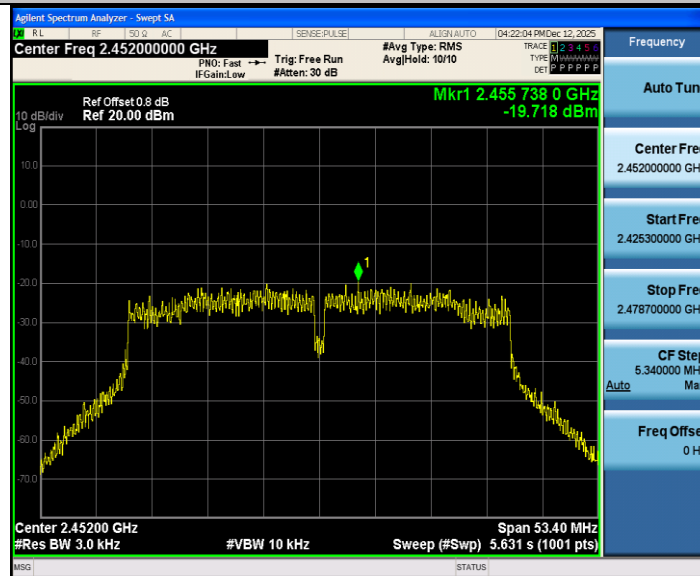
11N40SISO_Ant1_2422



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	Ant2	Low	2412	2.13	-46.77	≤-17.87	PASS
		High	2462	2.81	-54.88	≤-17.19	PASS
11G	Ant2	Low	2412	-2.08	-32.36	≤-22.08	PASS
		High	2462	-1.75	-56.73	≤-21.75	PASS
11N20SISO	Ant2	Low	2412	-2.10	-32.88	≤-22.1	PASS
		High	2462	-1.88	-57.48	≤-21.88	PASS
11N40SISO	Ant2	Low	2422	-5.41	-33.25	≤-25.41	PASS
		High	2452	-5.18	-56.59	≤-25.18	PASS