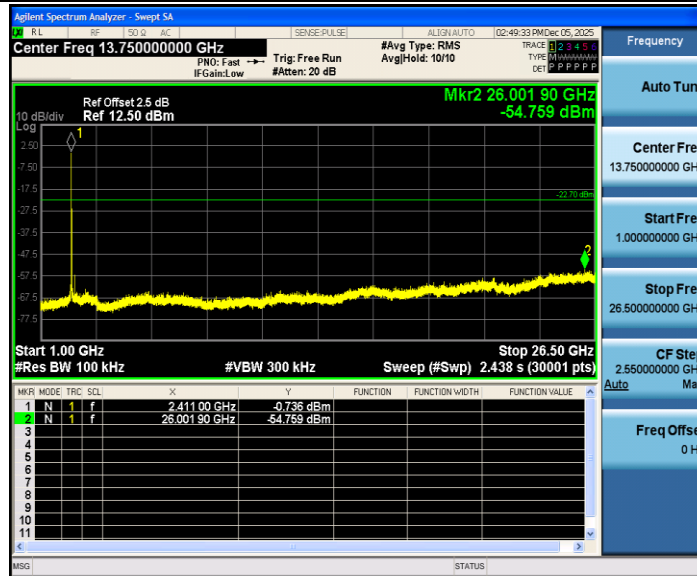


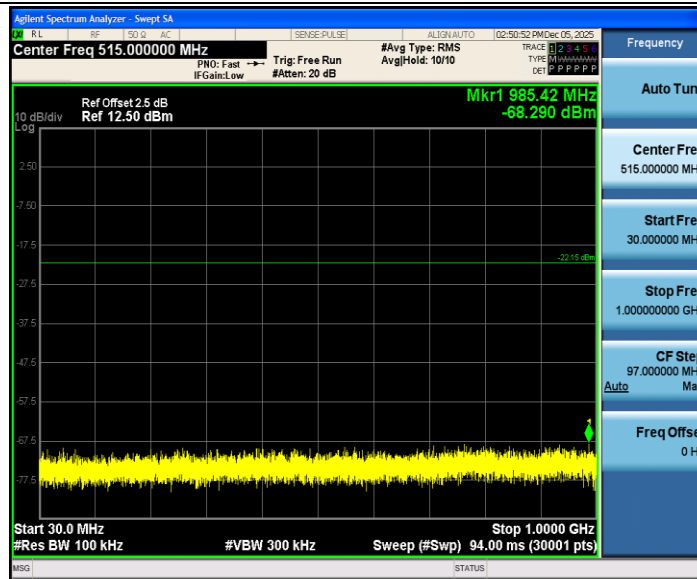
11N20SISO_Ant1_2412_1000~26500



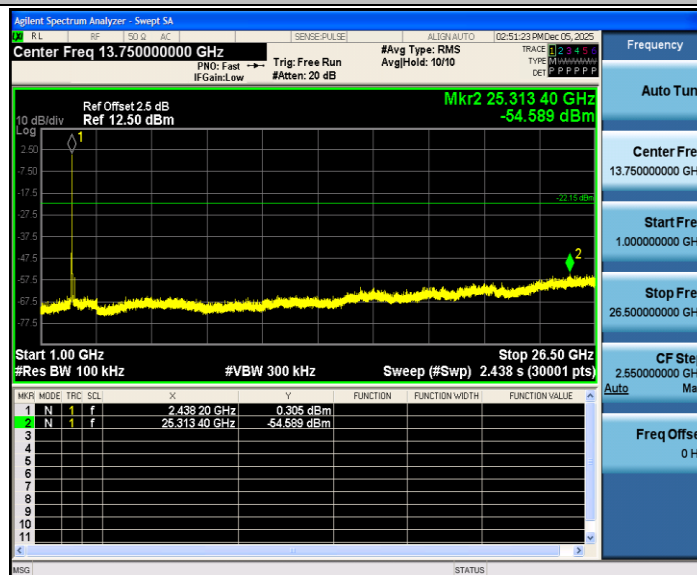
11N20SISO_Ant1_2437_0~Reference



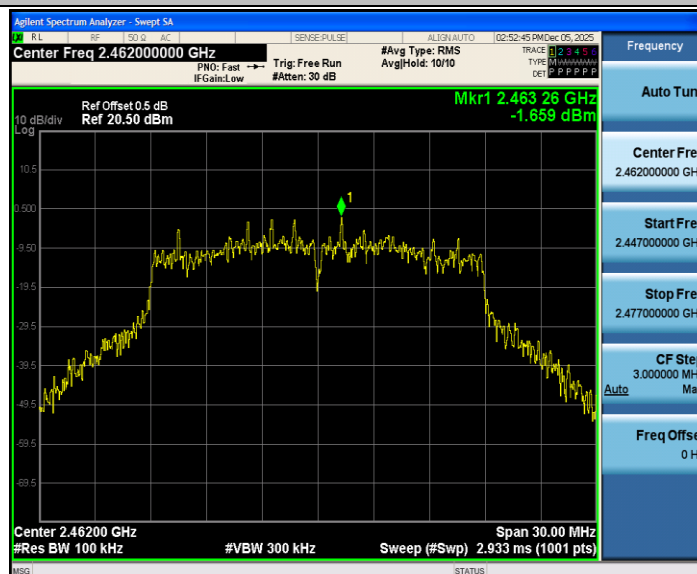
11N20SISO_Ant1_2437_30~1000



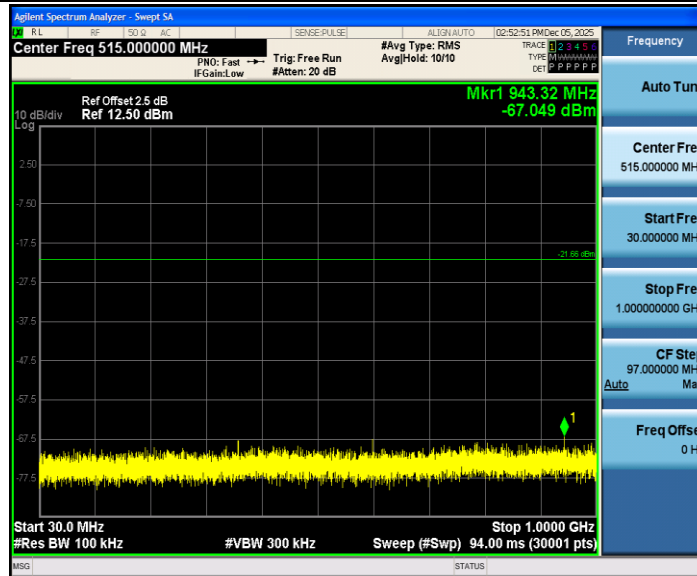
11N20SISO_Ant1_2437_1000~26500



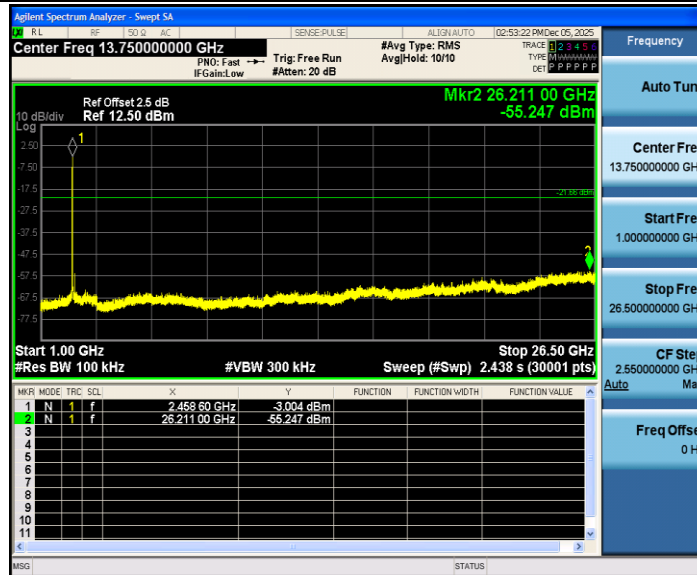
11N20SISO_Ant1_2462_0~Reference



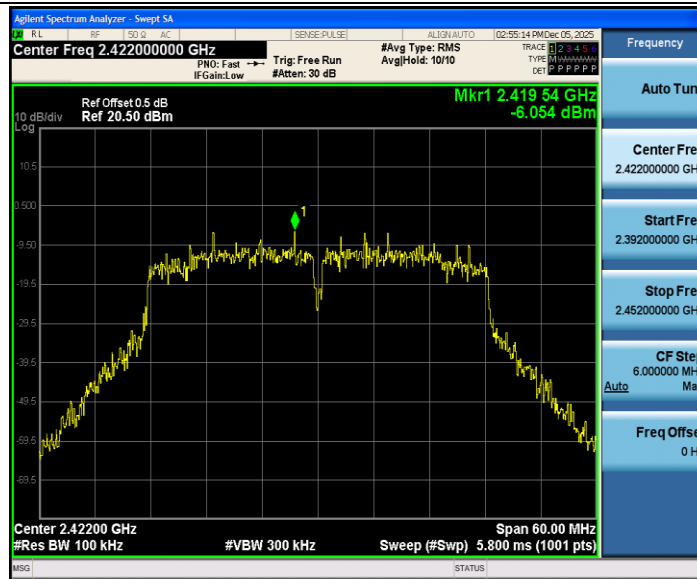
11N20SISO_Ant1_2462_30~1000



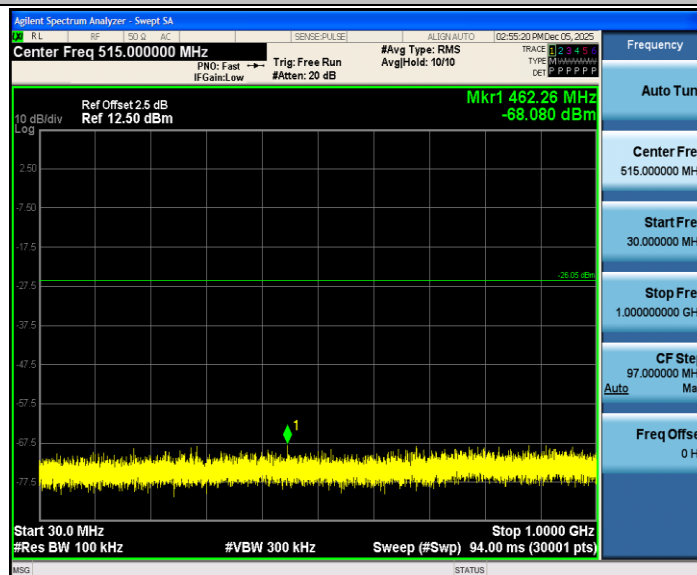
11N20SISO_Ant1_2462_1000~26500



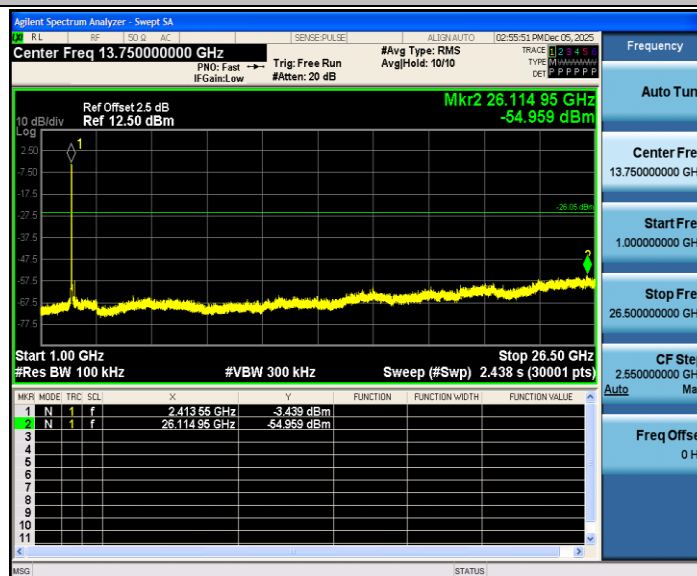
11N40SISO_Ant1_2422_0~Reference



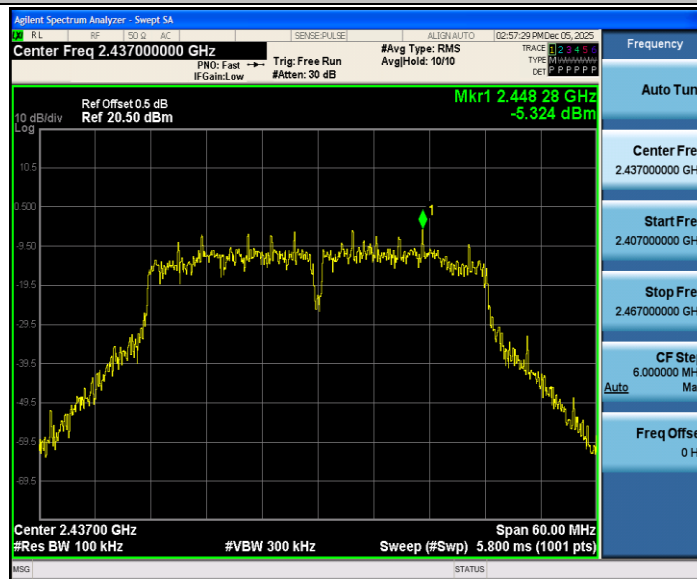
11N40SISO_Ant1_2422_30~1000



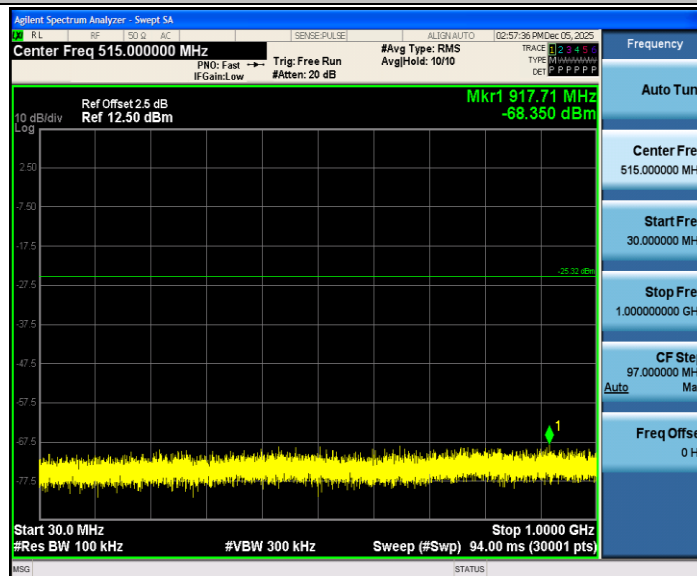
11N40SISO_Ant1_2422_1000~26500



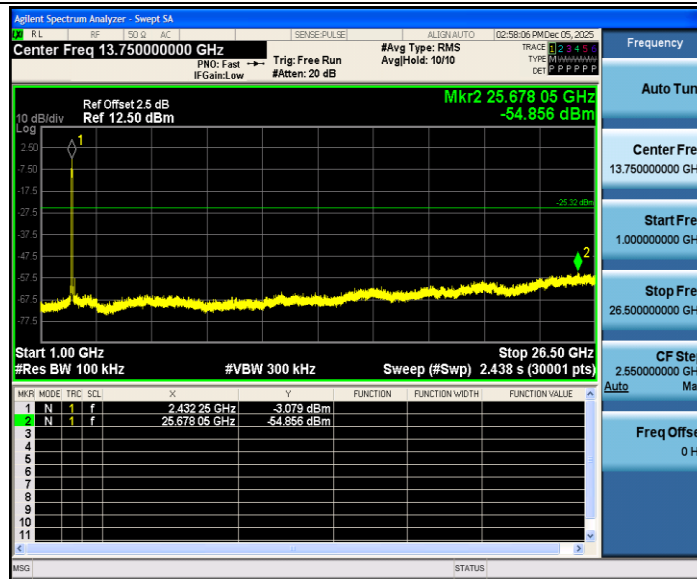
11N40SISO_Ant1_2437_0~Reference



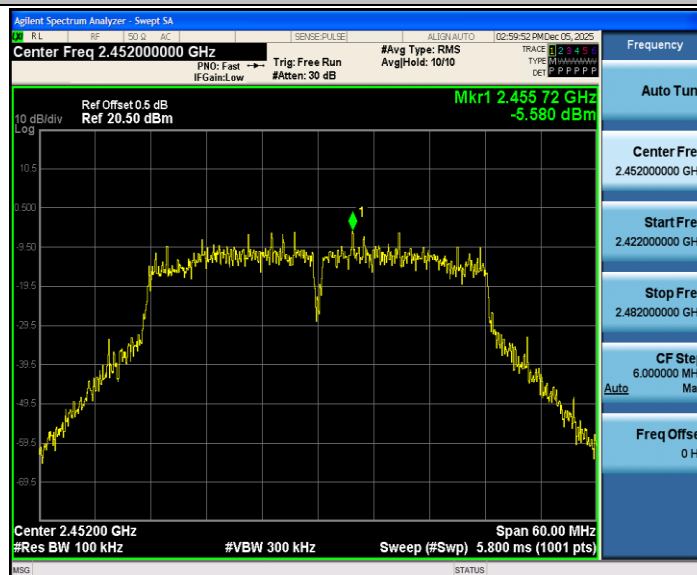
11N40SISO_Ant1_2437_30~1000



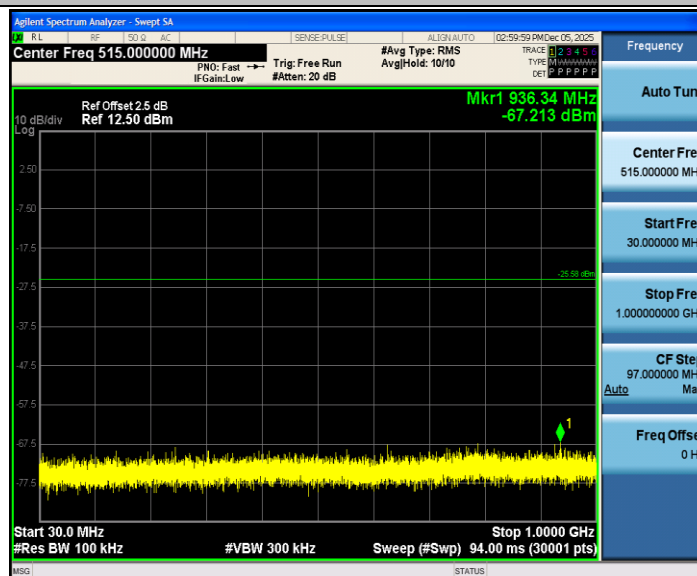
11N40SISO_Ant1_2437_1000~26500



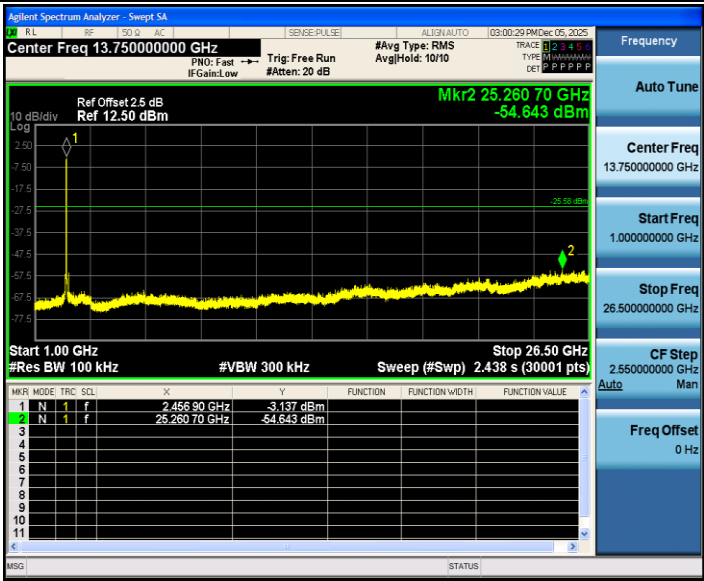
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



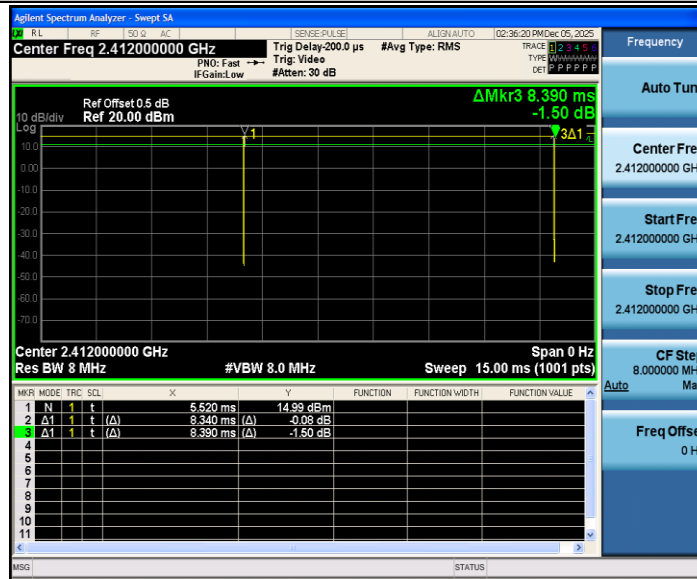
Appendix G: Duty Cycle

Test Result

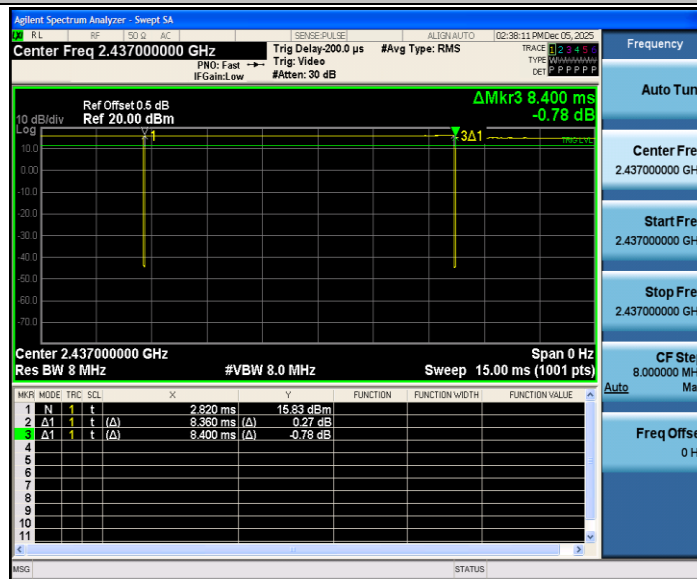
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.34	8.39	99.40
		2437	8.36	8.40	99.52
		2462	8.36	8.40	99.52
11G	Ant1	2412	0.14	0.19	73.68
		2437	0.14	0.19	73.68
		2462	0.14	0.19	73.68
11N20SISO	Ant1	2412	0.17	0.22	77.27
		2437	0.18	0.23	78.26
		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

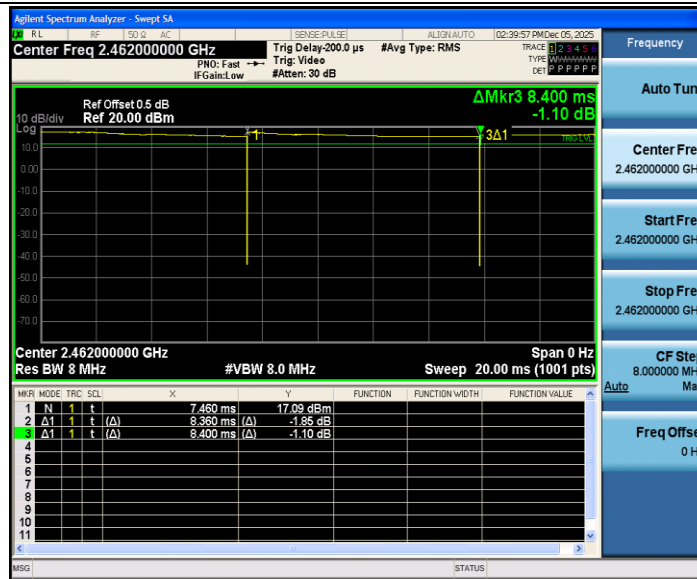
11B_Ant1_2412



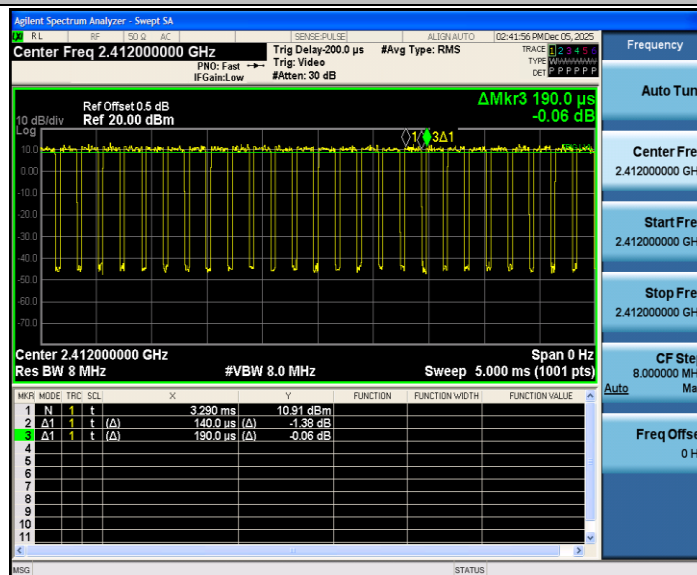
11B_Ant1_2437



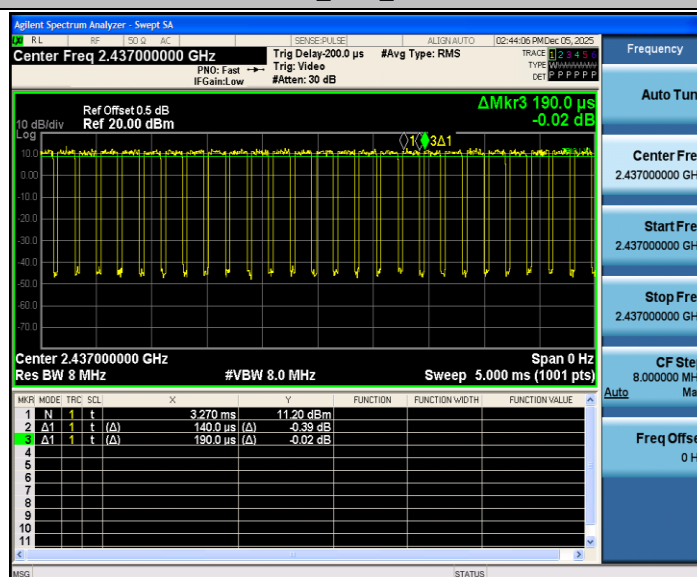
11B_Ant1_2462



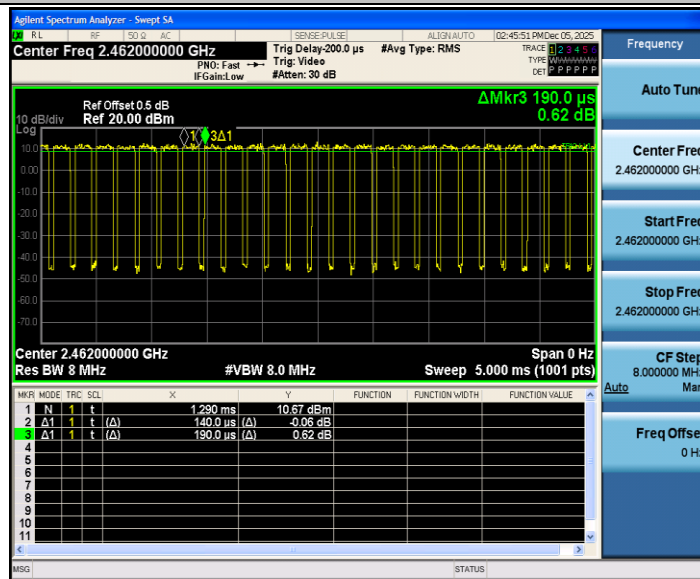
11G_Ant1_2412



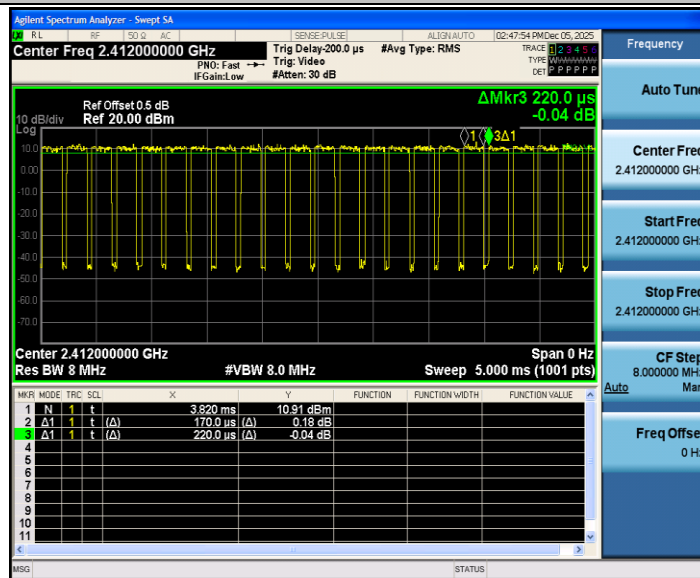
11G_Ant1_2437



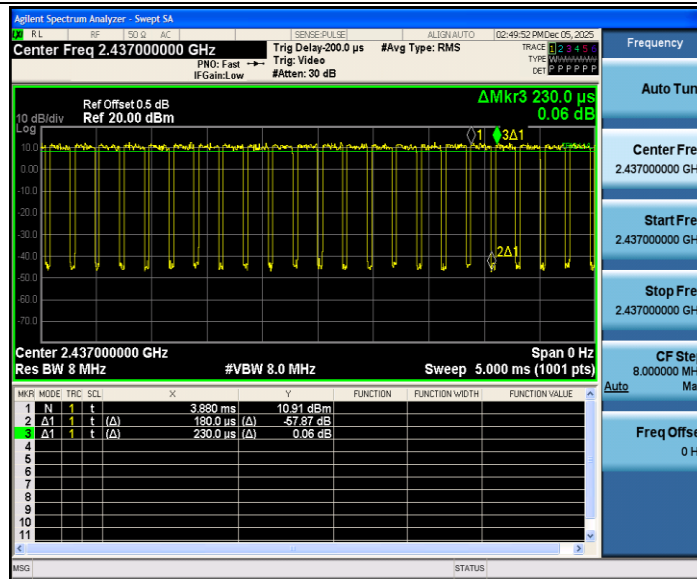
11G_Ant1_2462



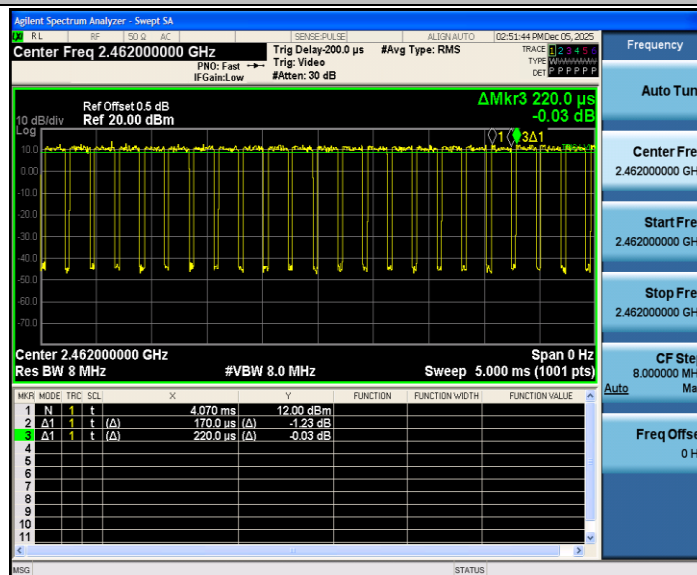
11N20SISO_Ant1_2412



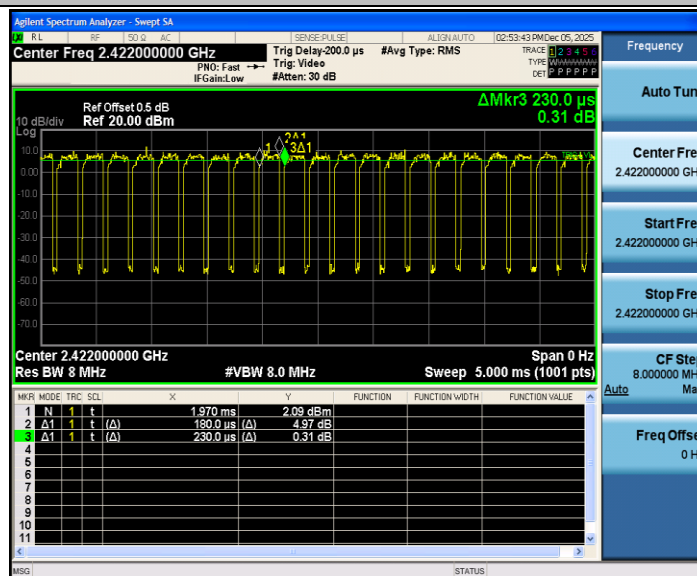
11N20SISO_Ant1_2437



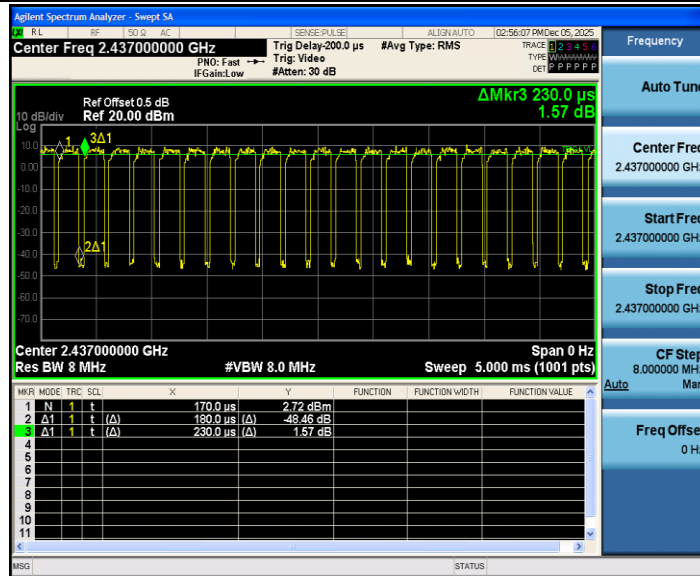
11N20SISO_Ant1_2462



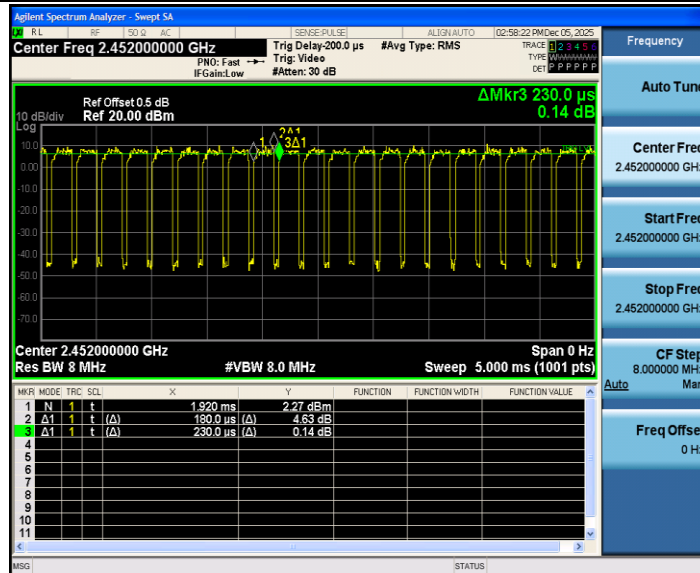
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix RF Test Data for 2.4GWIFI Module 2 ANT1

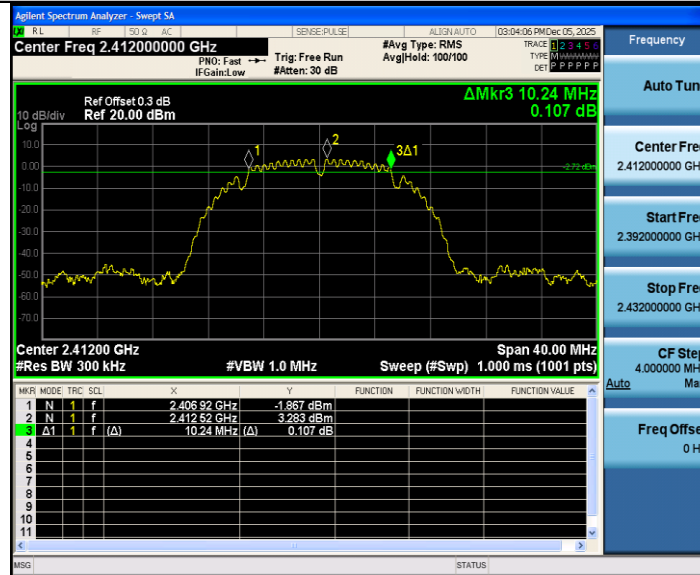
Appendix A: DTS Bandwidth

Test Result

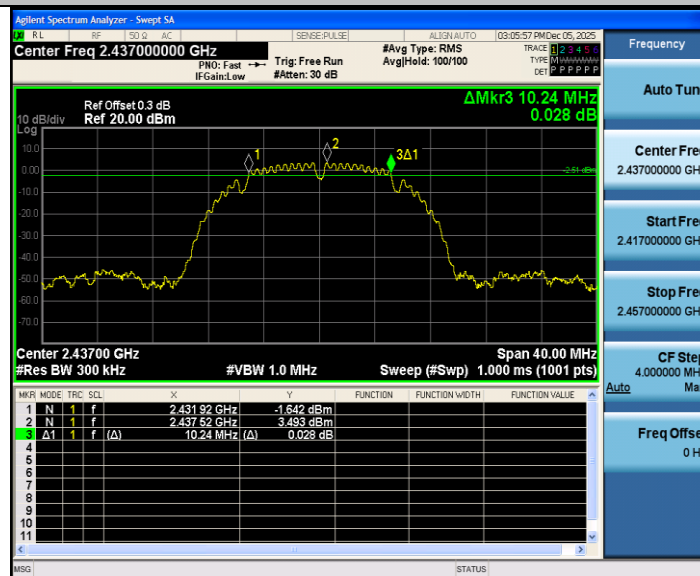
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.240	2406.920	2417.160	0.5	PASS
		2437	10.240	2431.920	2442.160	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	16.160	2404.000	2420.160	0.5	PASS
		2437	16.120	2428.960	2445.080	0.5	PASS
		2462	16.040	2454.080	2470.120	0.5	PASS
11N20SISO	Ant1	2412	16.600	2403.800	2420.400	0.5	PASS
		2437	17.280	2428.320	2445.600	0.5	PASS
		2462	16.880	2453.360	2470.240	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.240	2439.920	0.5	PASS
		2437	35.760	2419.160	2454.920	0.5	PASS
		2452	35.760	2434.240	2470.000	0.5	PASS
11AX20SISO	Ant1	2412	17.520	2403.280	2420.800	0.5	PASS
		2437	17.040	2428.440	2445.480	0.5	PASS
		2462	17.160	2453.360	2470.520	0.5	PASS
11AX40SISO	Ant1	2422	35.520	2404.320	2439.840	0.5	PASS
		2437	35.600	2419.240	2454.840	0.5	PASS
		2452	35.680	2434.240	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



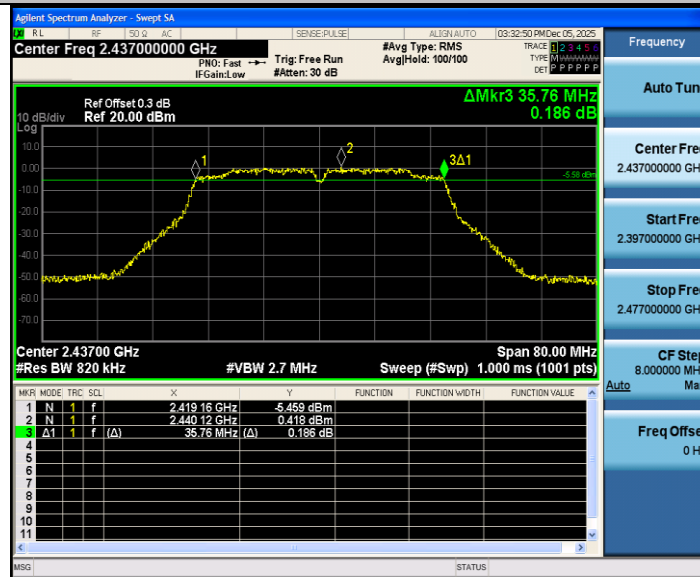
11N20SISO_Ant1_2462



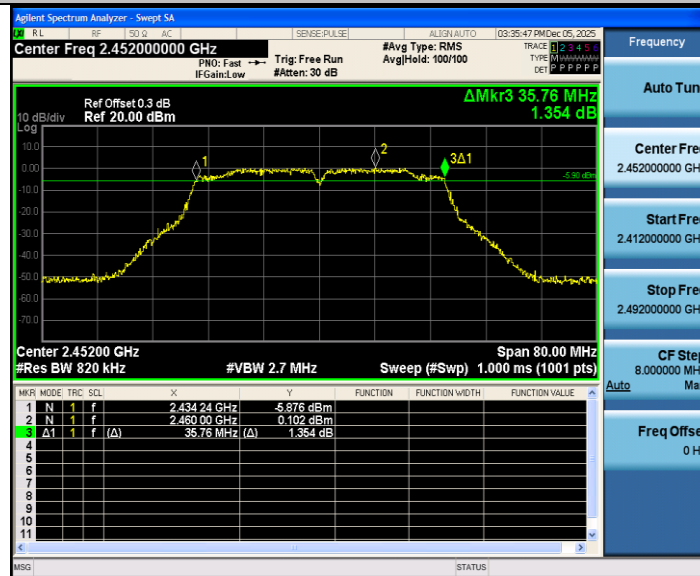
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



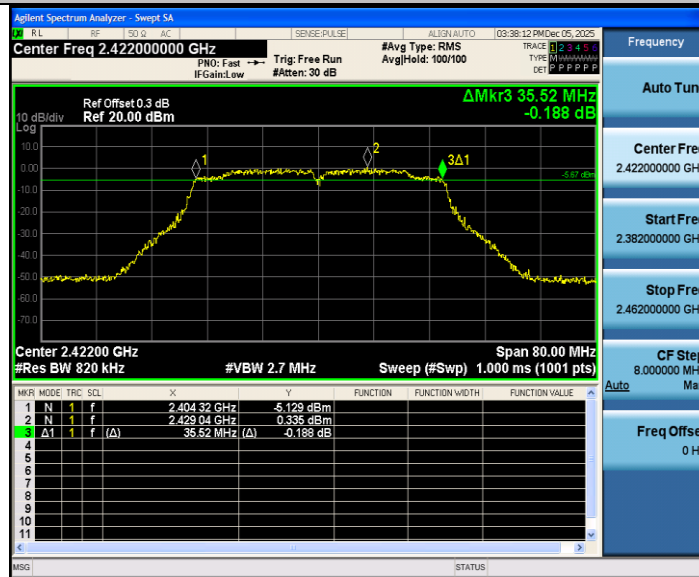
11AX20SISO_Ant1_2437



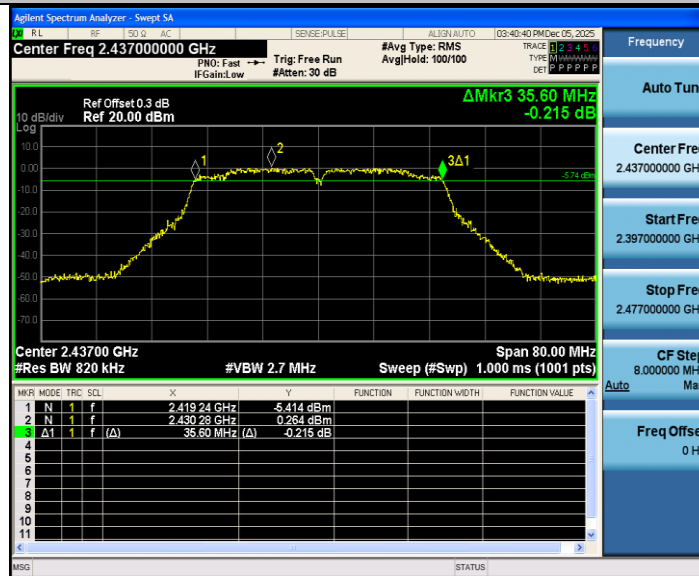
11AX20SISO_Ant1_2462



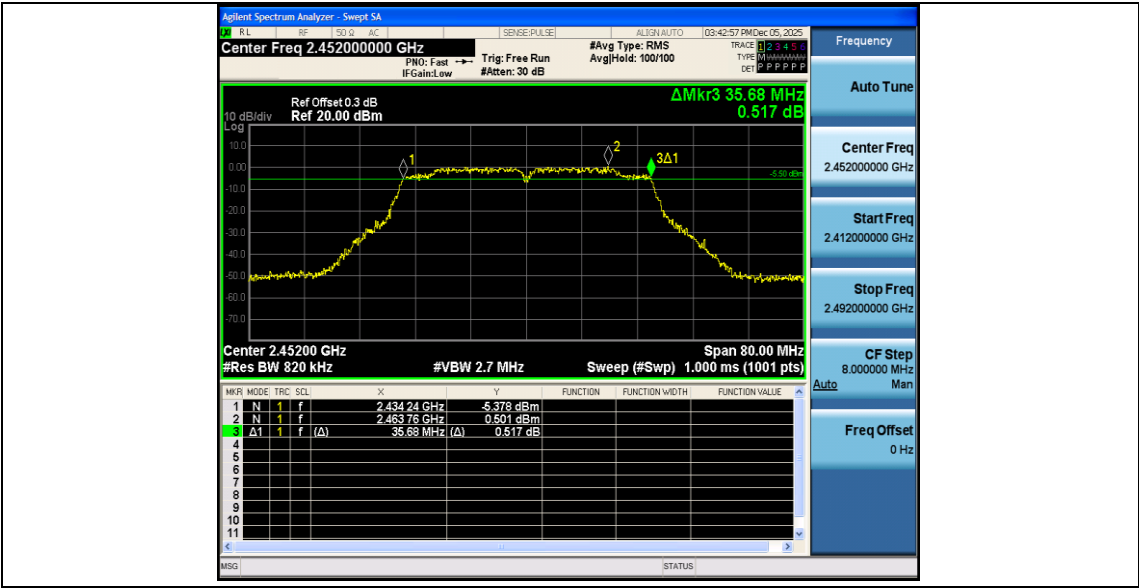
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



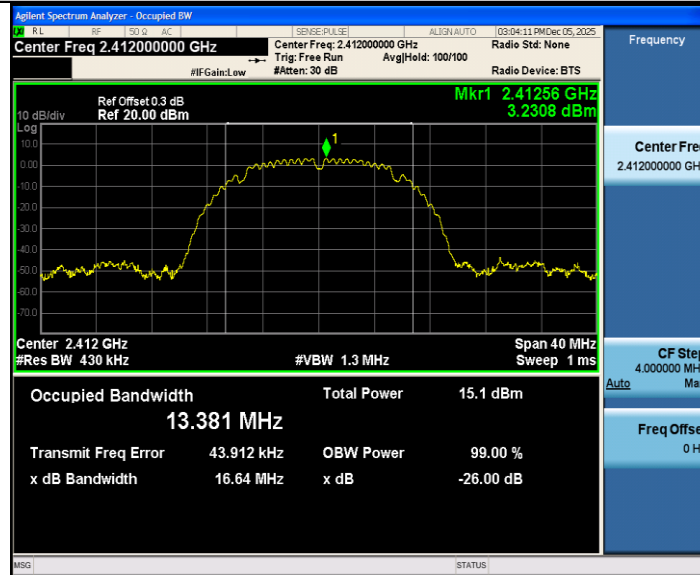
Appendix B: Occupied Channel Bandwidth

Test Result

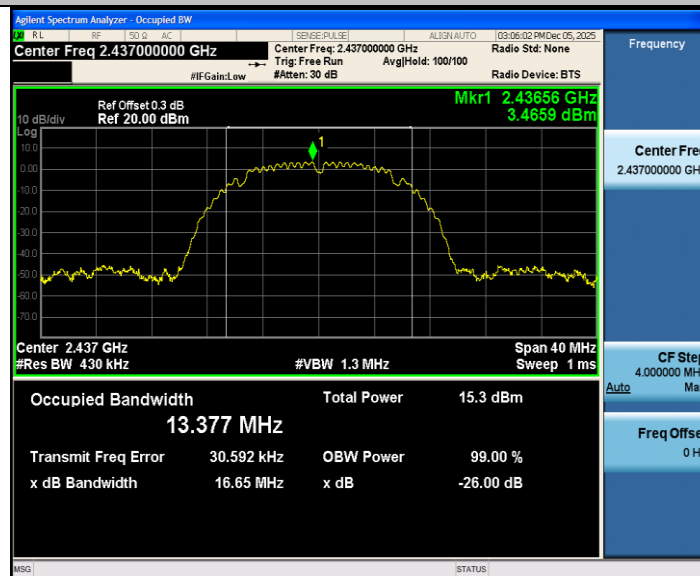
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.381	2405.3534	2418.7344	---	---
		2437	13.377	2430.3421	2443.7191	---	---
		2462	13.396	2455.3141	2468.7101	---	---
11G	Ant1	2412	16.718	2403.7007	2420.4187	---	---
		2437	16.679	2428.7093	2445.3883	---	---
		2462	16.747	2453.6628	2470.4098	---	---
11N20SISO	Ant1	2412	17.855	2403.1169	2420.9719	---	---
		2437	17.829	2428.0819	2445.9109	---	---
		2462	17.830	2453.0760	2470.9060	---	---
11N40SISO	Ant1	2422	36.051	2404.0735	2440.1245	---	---
		2437	36.056	2419.0706	2455.1266	---	---
		2452	36.017	2434.0623	2470.0793	---	---
11AX20SISO	Ant1	2412	17.788	2403.1326	2420.9206	---	---
		2437	17.845	2428.1205	2445.9655	---	---
		2462	17.799	2453.1411	2470.9401	---	---
11AX40SISO	Ant1	2422	36.031	2404.0748	2440.1058	---	---
		2437	35.983	2419.0976	2455.0806	---	---
		2452	35.985	2434.1211	2470.1061	---	---

Test Graphs

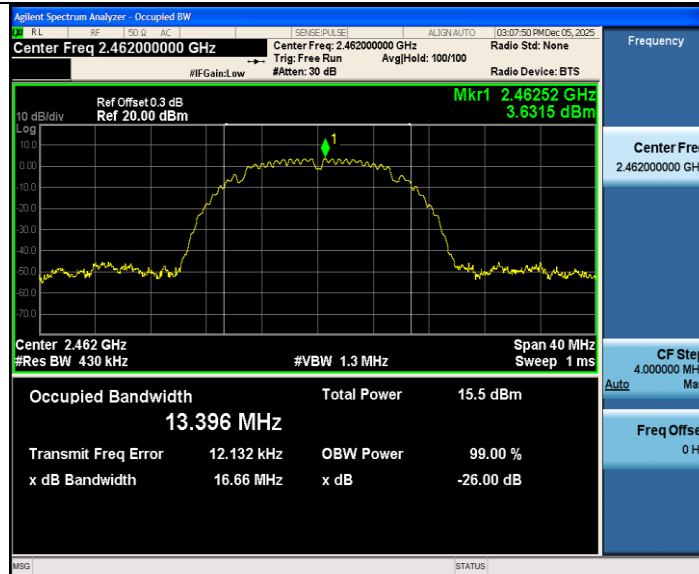
11B_Ant1_2412



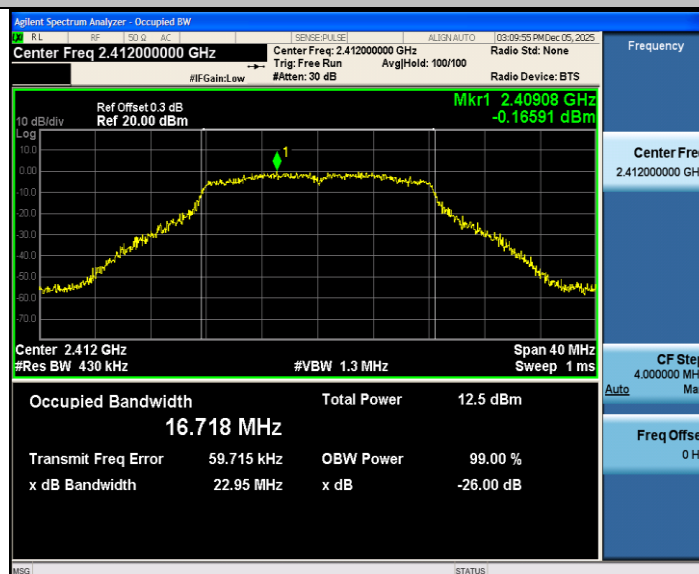
11B_Ant1_2437



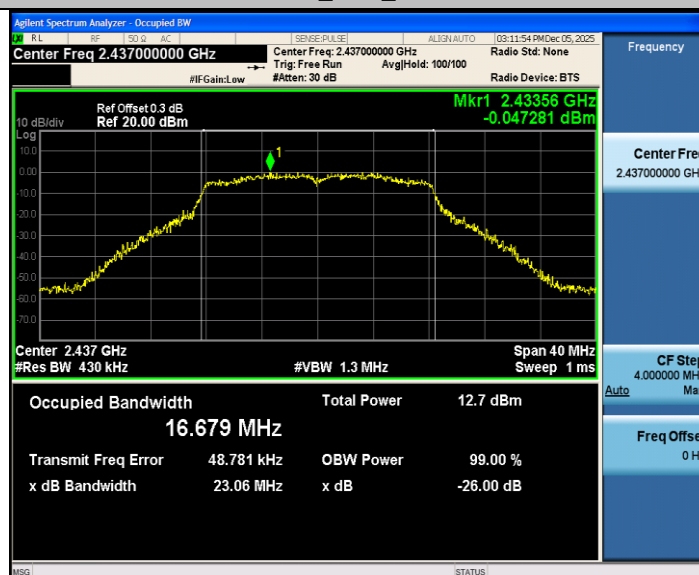
11B_Ant1_2462



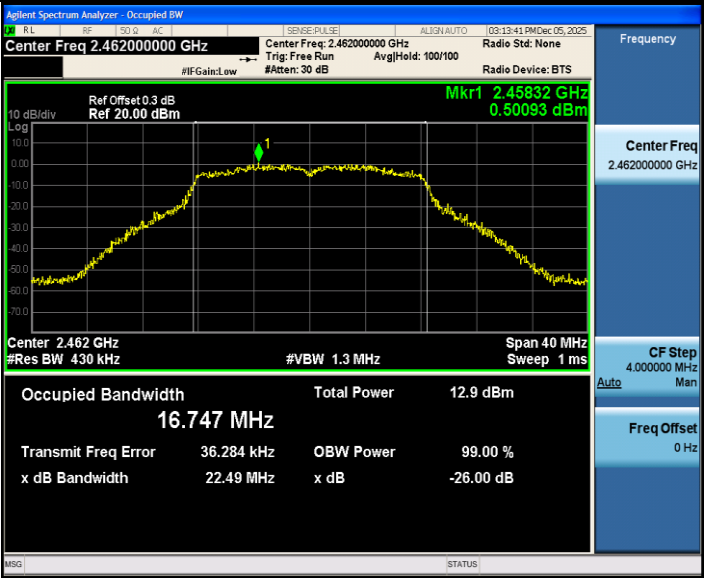
11G_Ant1_2412



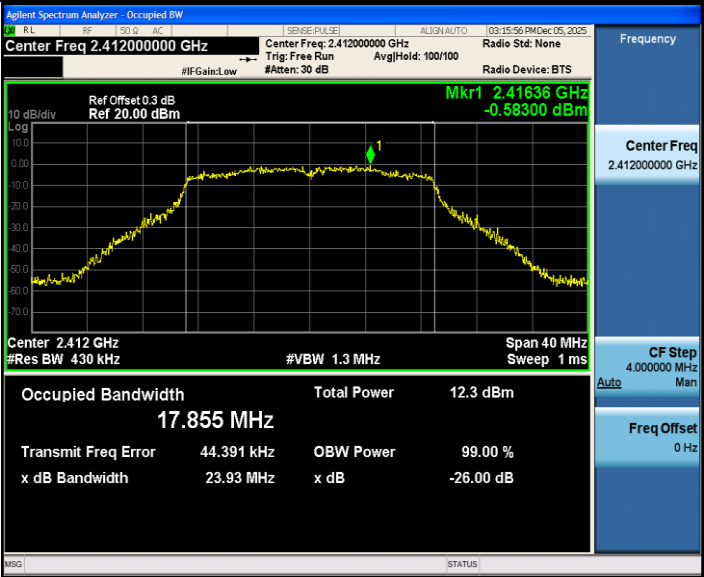
11G_Ant1_2437



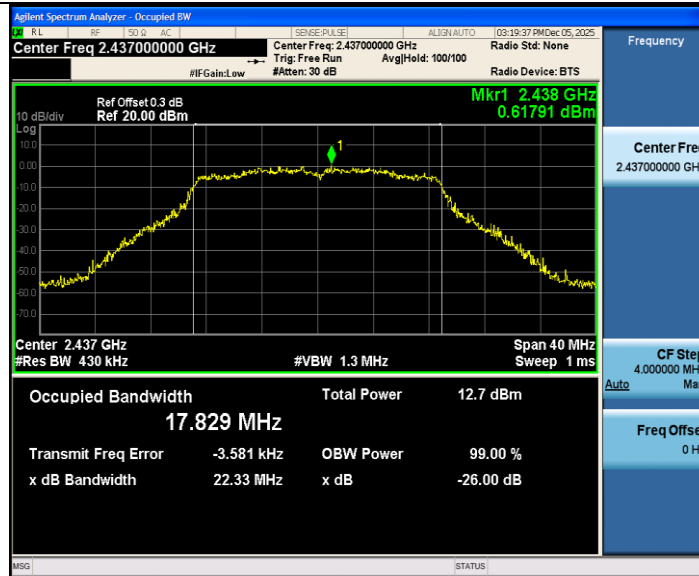
11G_Ant1_2462



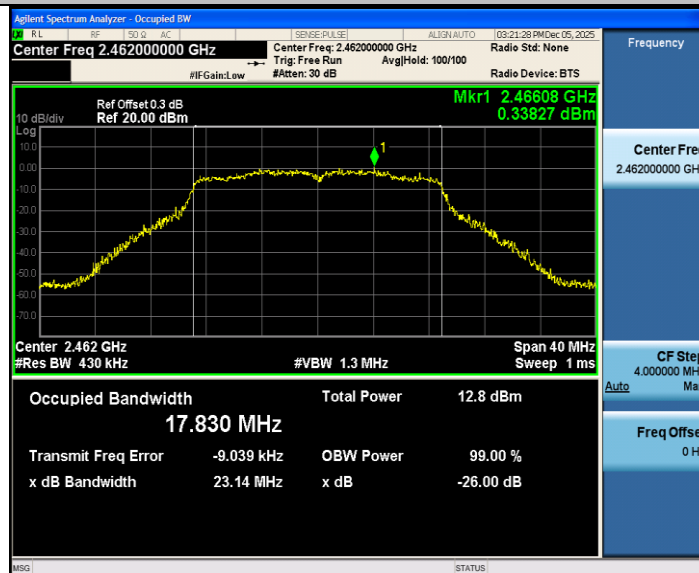
11N20SISO_Ant1_2412



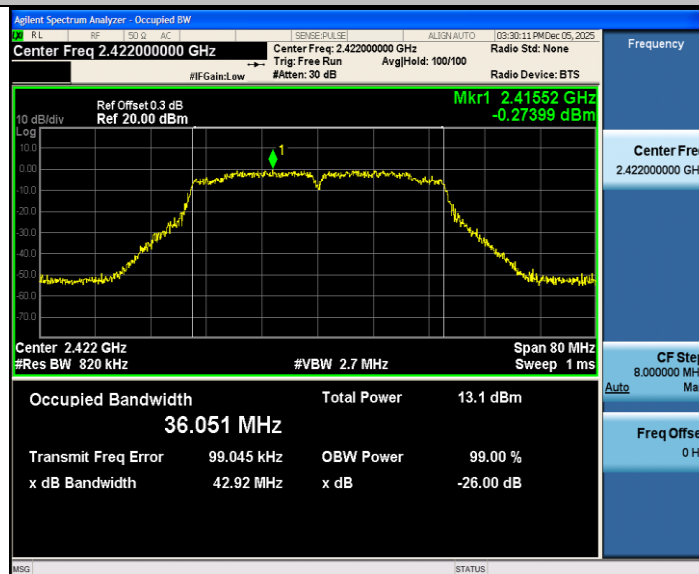
11N20SISO_Ant1_2437



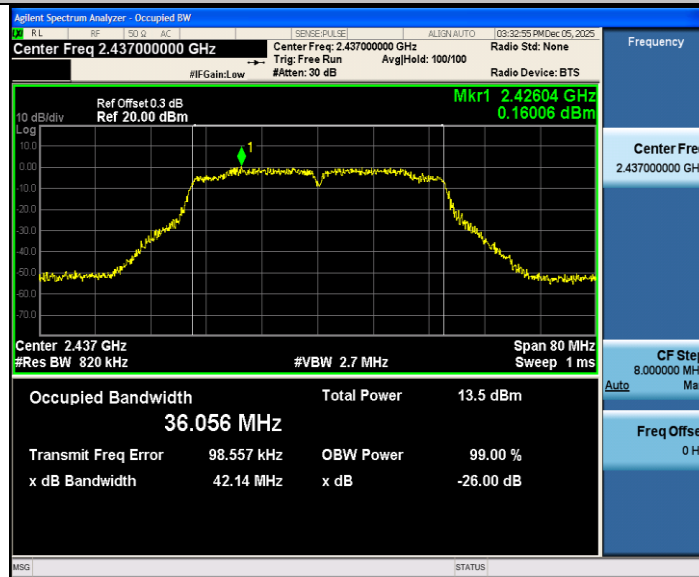
11N20SISO_Ant1_2462



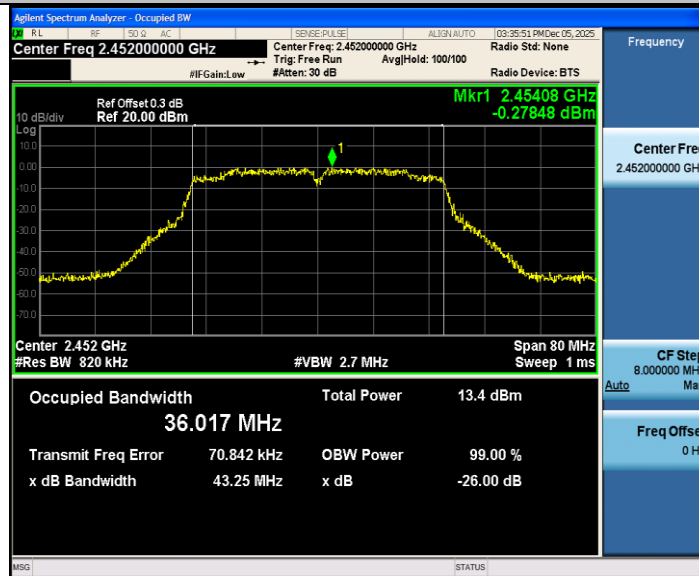
11N40SISO_Ant1_2422



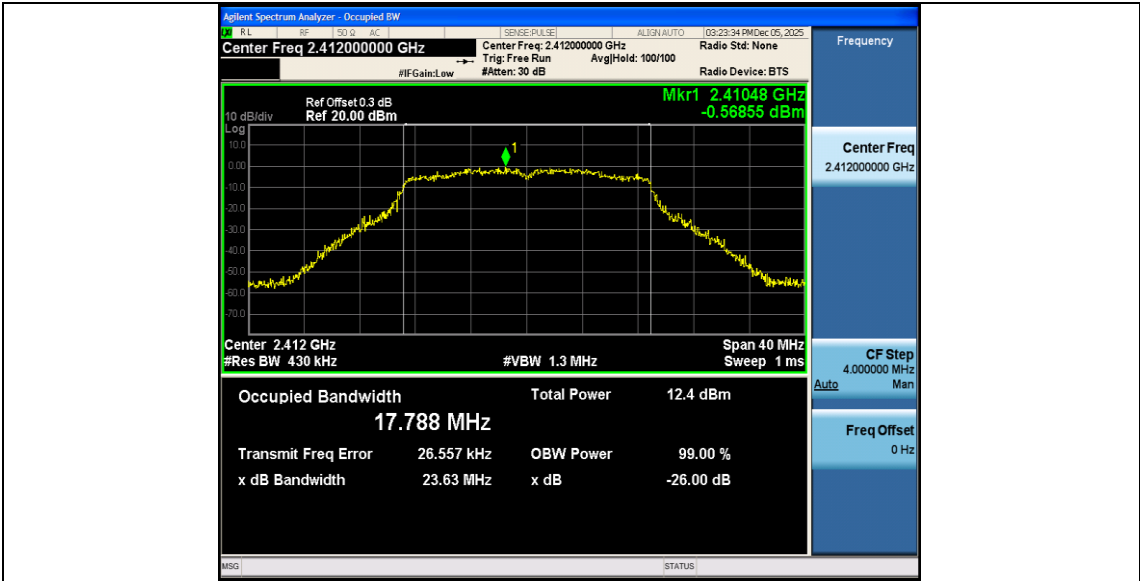
11N40SISO_Ant1_2437



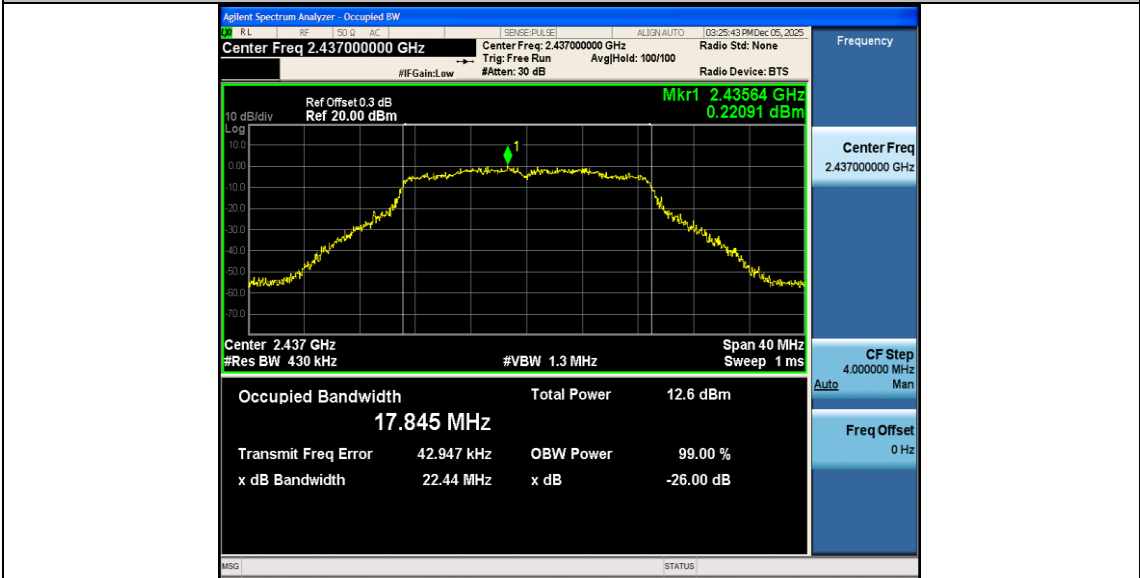
11N40SISO_Ant1_2452



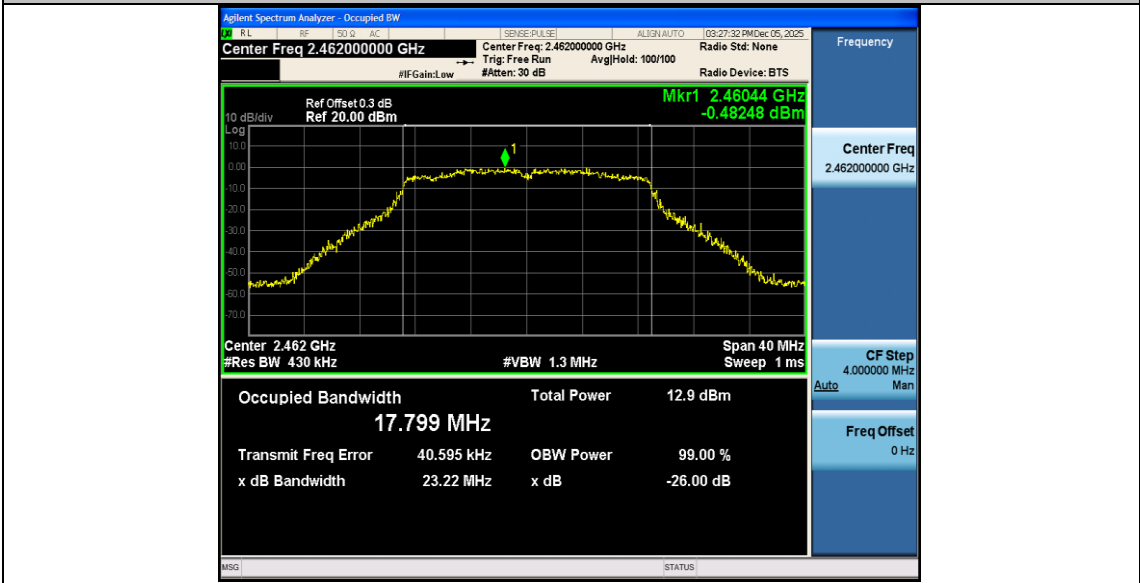
11AX20SISO_Ant1_2412



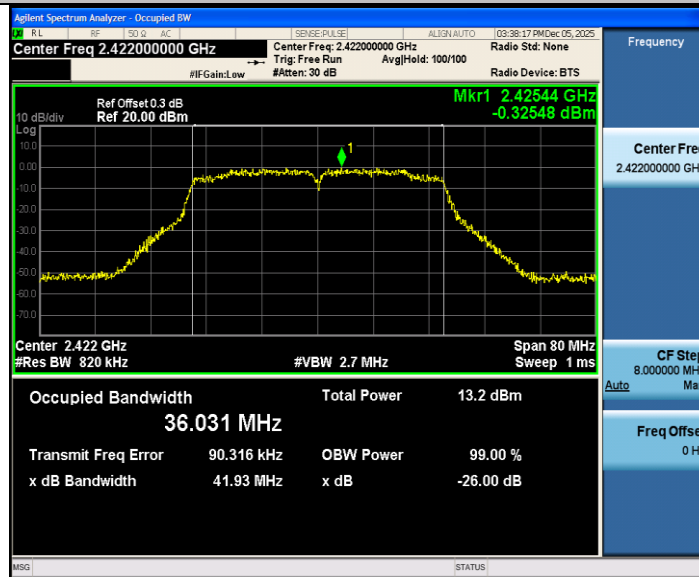
11AX20SISO_Ant1_2437



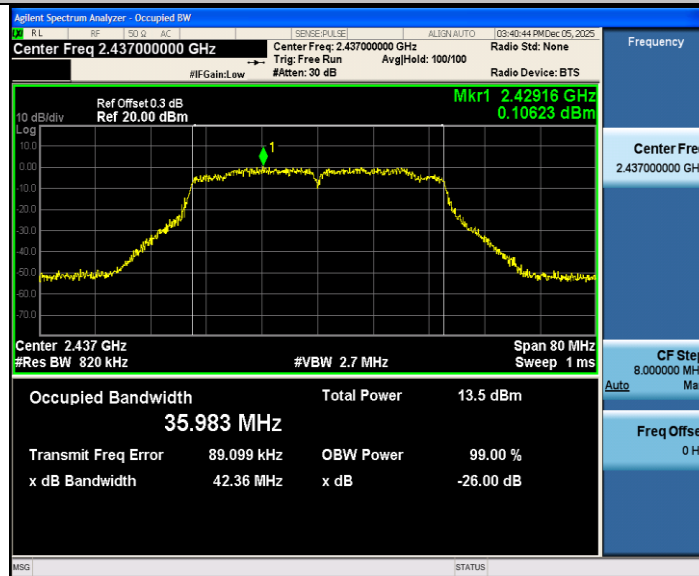
11AX20SISO_Ant1_2462



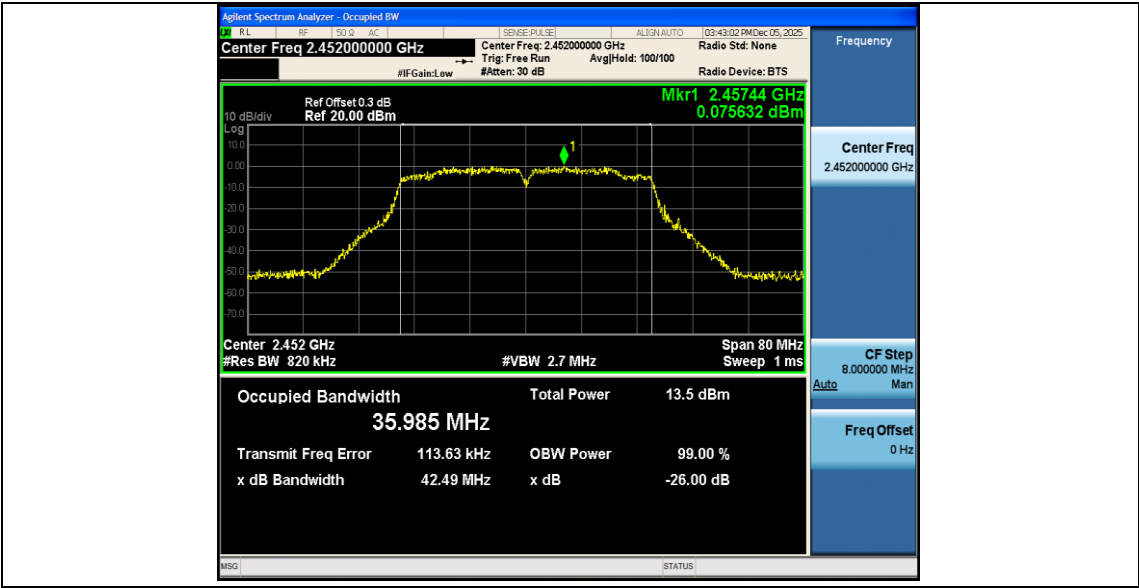
11AX40SISO_Ant1_2422



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	14.93	≤30.00	PASS
		2437	15.04	≤30.00	PASS
		2462	15.31	≤30.00	PASS
11G	Ant1	2412	13.11	≤30.00	PASS
		2437	13.38	≤30.00	PASS
		2462	13.61	≤30.00	PASS
11N20SISO	Ant1	2412	12.96	≤30.00	PASS
		2437	13.34	≤30.00	PASS
		2462	13.39	≤30.00	PASS
11N40SISO	Ant1	2422	13.49	≤30.00	PASS
		2437	13.56	≤30.00	PASS
		2452	13.55	≤30.00	PASS
11AX20SISO	Ant1	2412	13.01	≤30.00	PASS
		2437	13.25	≤30.00	PASS
		2462	13.35	≤30.00	PASS
11AX40SISO	Ant1	2422	13.21	≤30.00	PASS
		2437	13.68	≤30.00	PASS
		2452	13.65	≤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	-11.45	≤8.00	PASS
		2437	-10.88	≤8.00	PASS
		2462	-9.91	≤8.00	PASS
11G	Ant1	2412	-17.60	≤8.00	PASS
		2437	-17.69	≤8.00	PASS
		2462	-16.59	≤8.00	PASS
11N20SISO	Ant1	2412	-17.21	≤8.00	PASS
		2437	-17.66	≤8.00	PASS
		2462	-16.96	≤8.00	PASS
11N40SISO	Ant1	2422	-19.59	≤8.00	PASS
		2437	-19.65	≤8.00	PASS
		2452	-19.90	≤8.00	PASS
11AX20SISO	Ant1	2412	-17.22	≤8.00	PASS
		2437	-17.55	≤8.00	PASS
		2462	-17.09	≤8.00	PASS
11AX40SISO	Ant1	2422	-19.94	≤8.00	PASS
		2437	-19.79	≤8.00	PASS
		2452	-19.84	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462