

Appendix A: Test Results of 2.4GHz Wi-Fi

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Appendix A.1: Test Results of Conducted Power Spectral Density

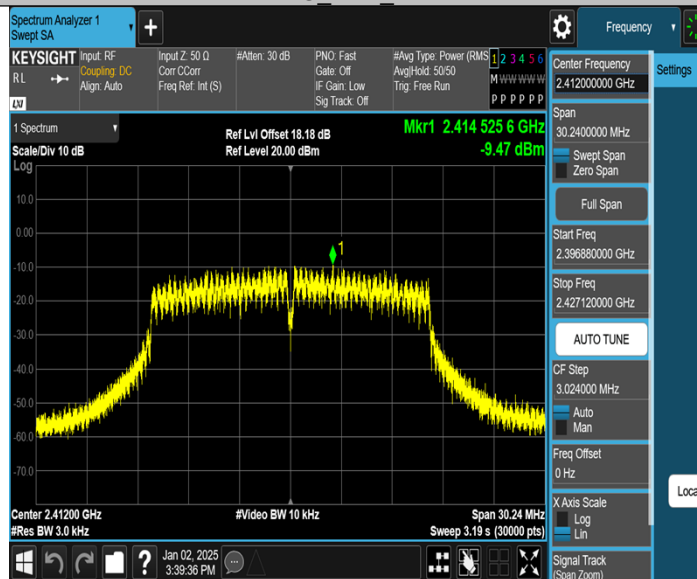
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.83	≤8.00	PASS
		2437	-4.86	≤8.00	PASS
		2462	-5.01	≤8.00	PASS
11G	Ant1	2412	-9.47	≤8.00	PASS
		2437	-9.36	≤8.00	PASS
		2462	-9.34	≤8.00	PASS
11N20SISO	Ant1	2412	-8.36	≤8.00	PASS
		2437	-8.44	≤8.00	PASS
		2462	-8.47	≤8.00	PASS
11N40SISO	Ant1	2422	-11.79	≤8.00	PASS
		2437	-11.78	≤8.00	PASS
		2452	-12.04	≤8.00	PASS

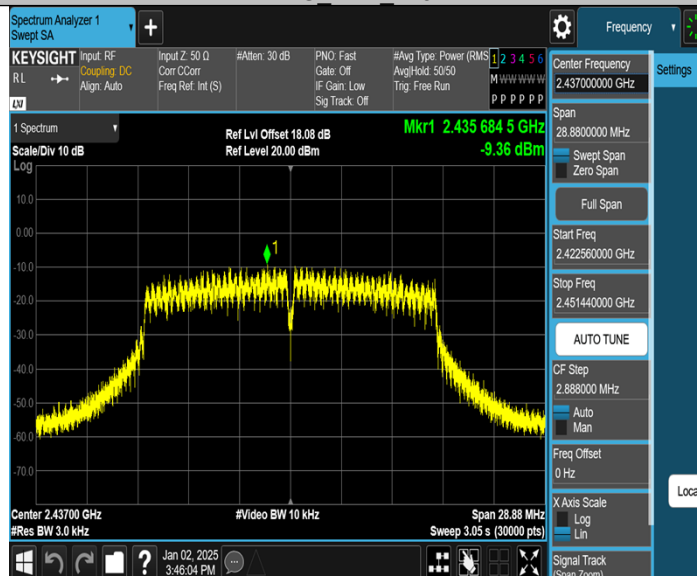
Test Graphs



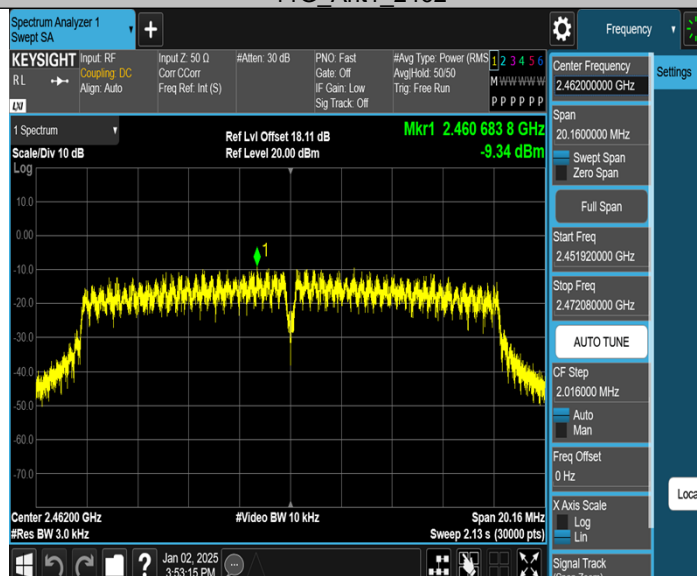
11G_Ant1_2412



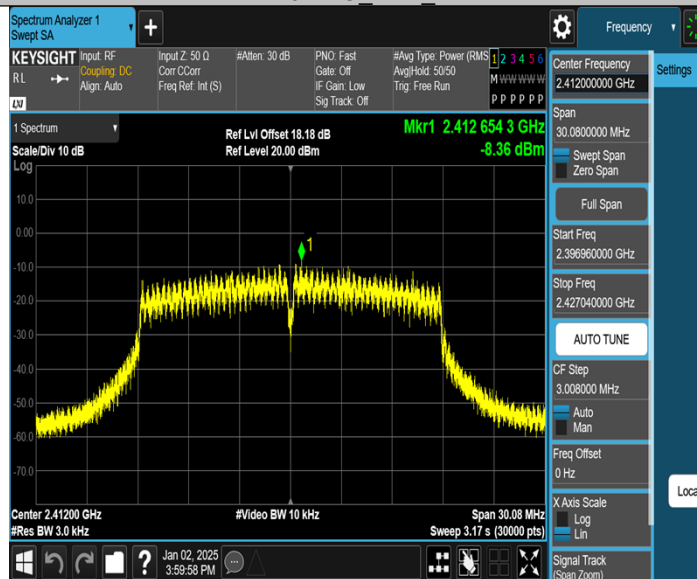
11G_Ant1_2437



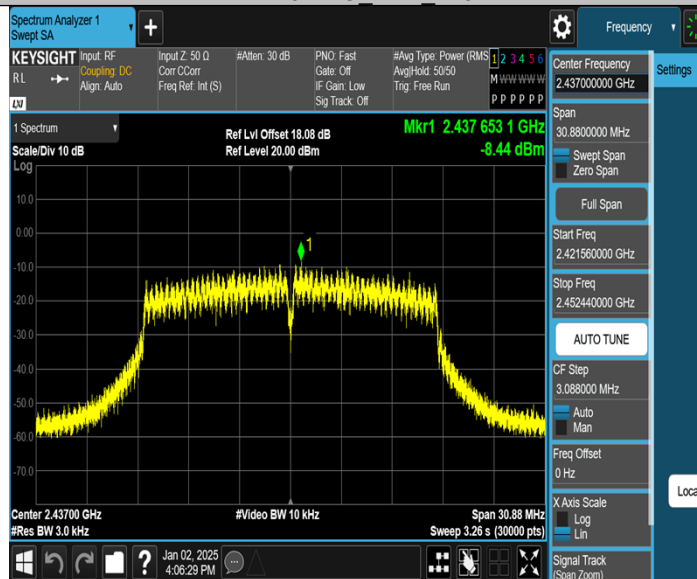
11G_Ant1_2462



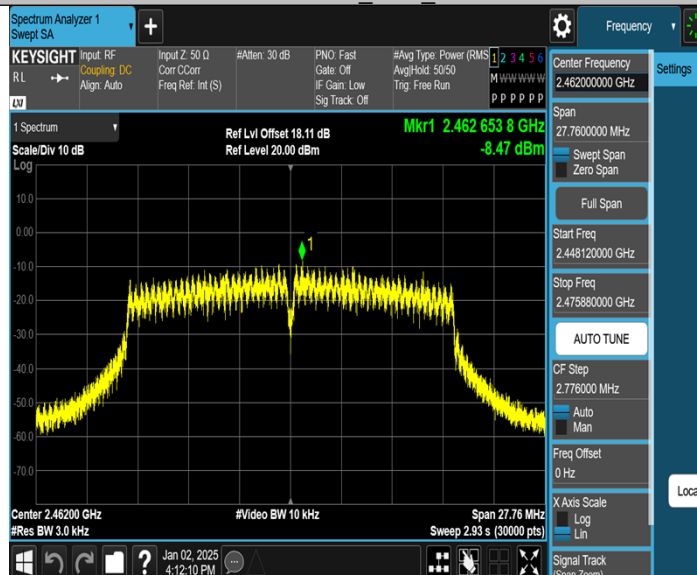
11N20SISO Ant1 2412



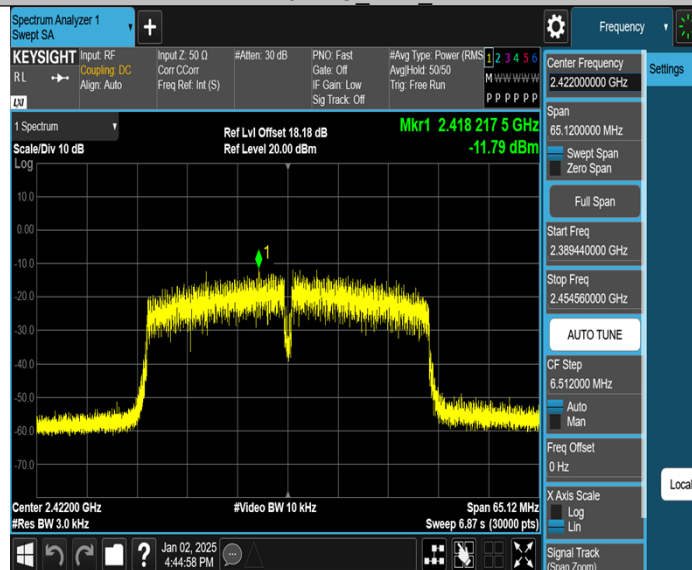
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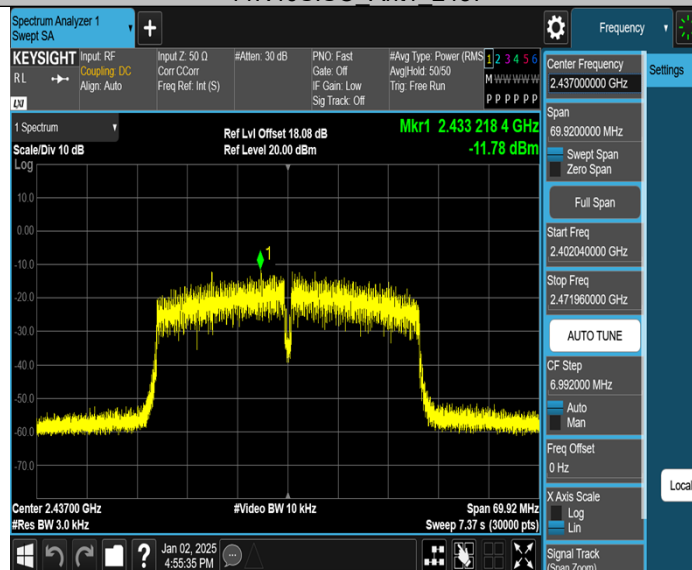
11N20SISO Ant1 2462



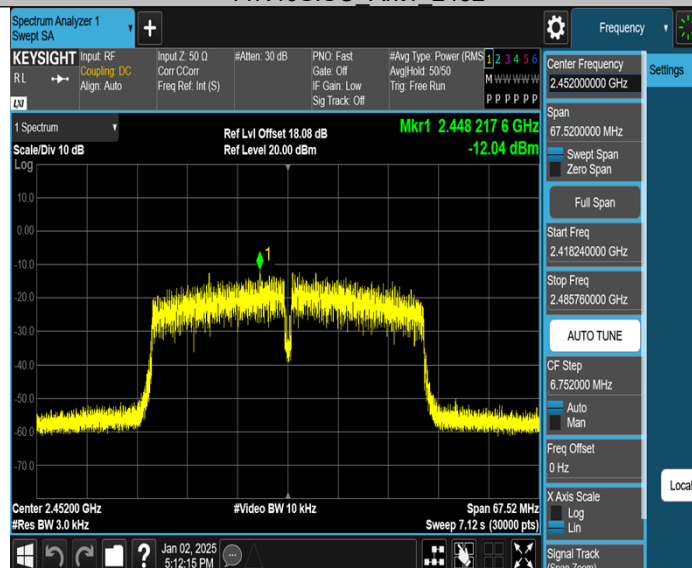
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



Appendix A.2: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.440	2416.520	0.5	PASS
		2437	9.120	2432.440	2441.560	0.5	PASS
		2462	9.080	2457.960	2467.040	0.5	PASS
11G	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	14.440	2430.120	2444.560	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11N20SISO	Ant1	2412	15.040	2404.480	2419.520	0.5	PASS
		2437	15.440	2429.440	2444.880	0.5	PASS
		2462	13.880	2455.680	2469.560	0.5	PASS
11N40SISO	Ant1	2422	32.560	2405.760	2438.320	0.5	PASS
		2437	34.960	2419.560	2454.520	0.5	PASS
		2452	33.760	2435.760	2469.520	0.5	PASS

Test Graphs



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO Ant1 2412



11N20SISO Ant1 2437



11N20SISO Ant1 2462



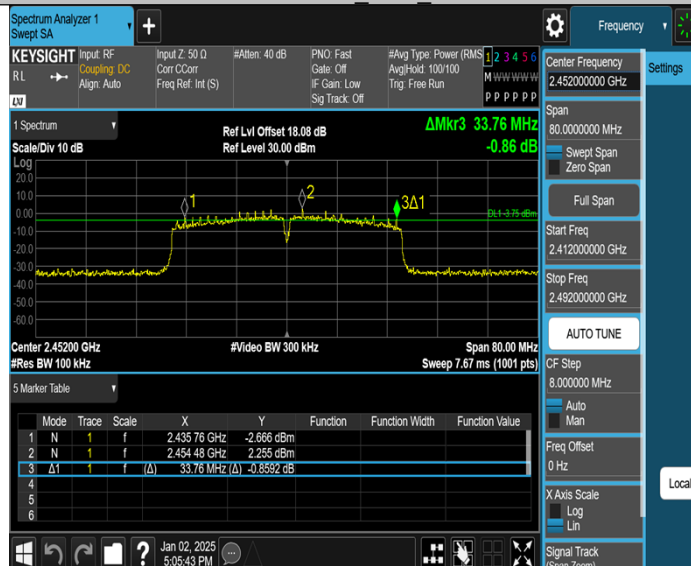
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452

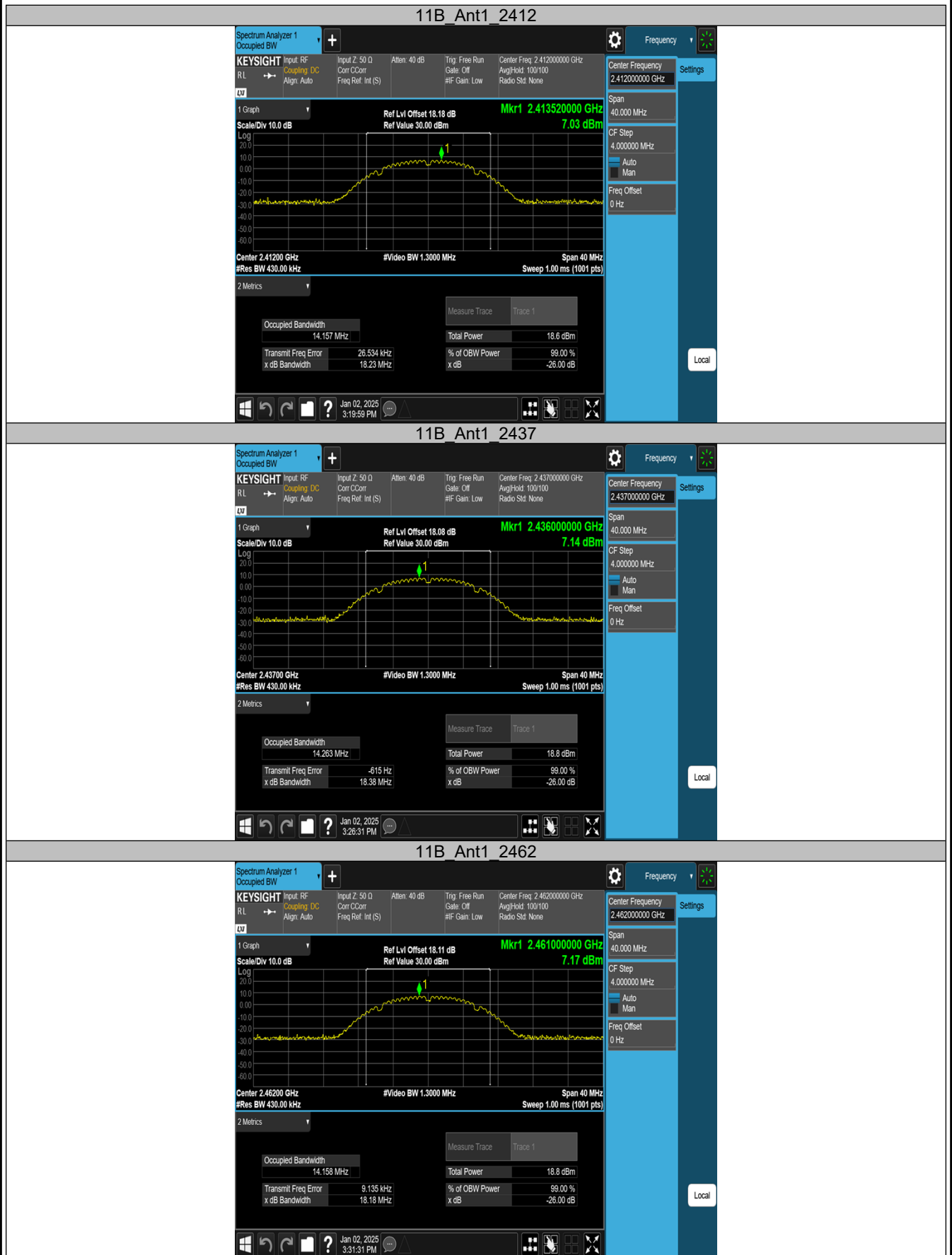


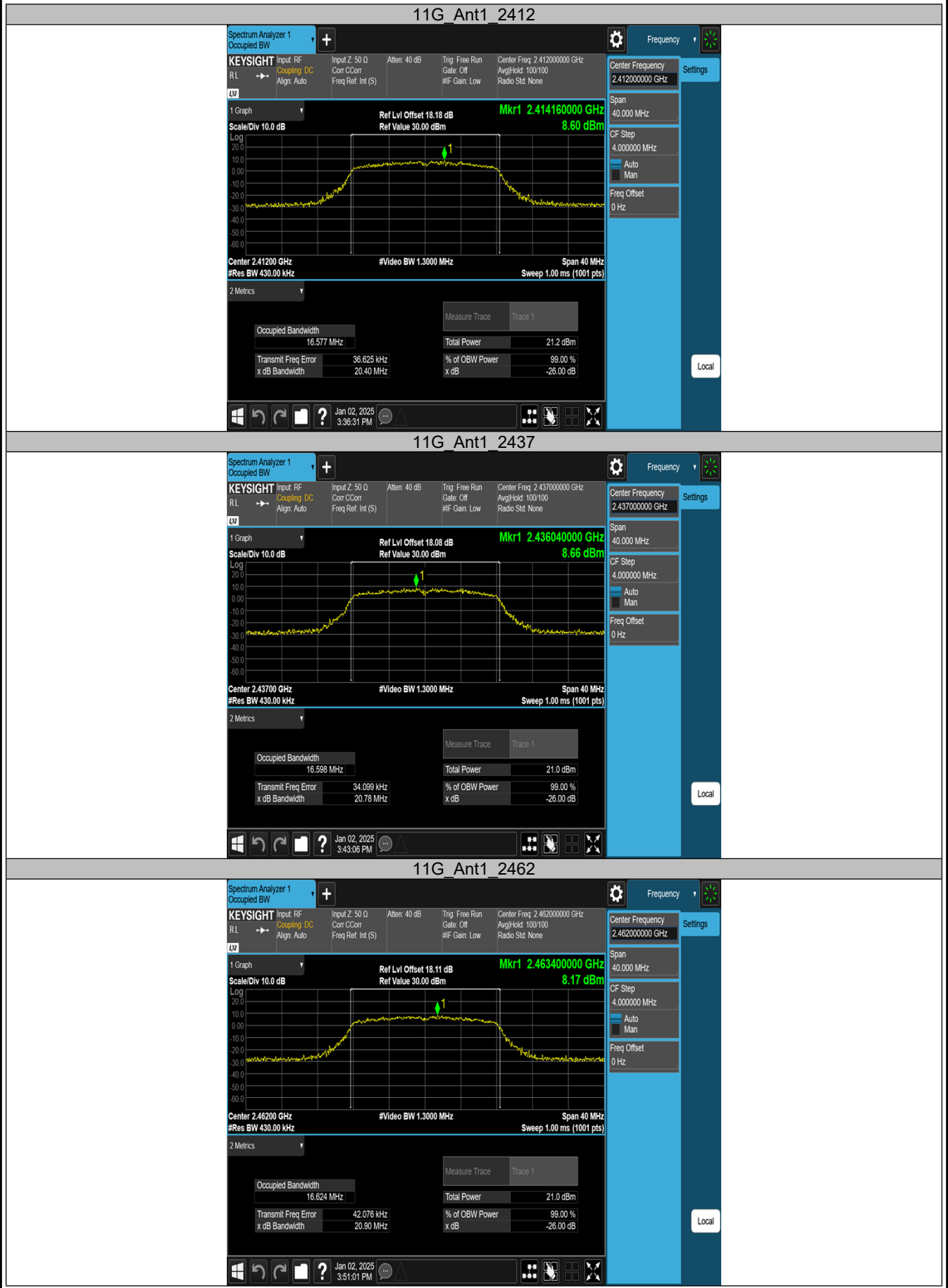
Appendix A.3: Test Results of 99% Bandwidth

Test Result

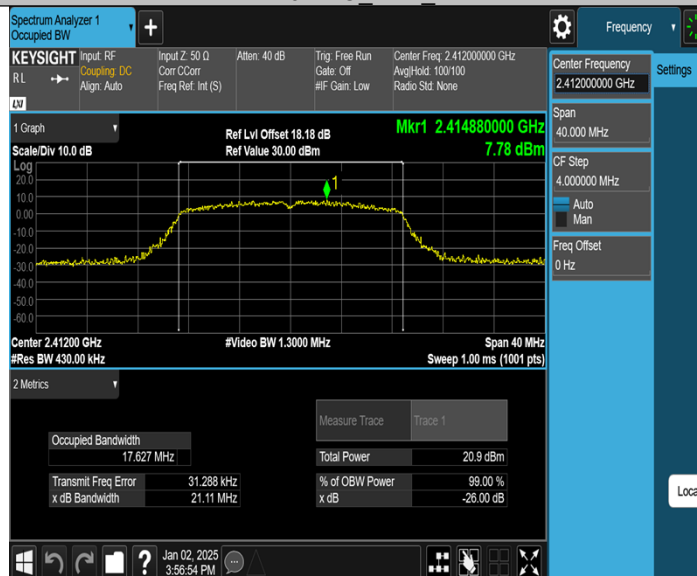
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.157	2404.9480	2419.1050	---	PASS
		2437	14.263	2429.8679	2444.1309	---	PASS
		2462	14.158	2454.9301	2469.0881	---	PASS
11G	Ant1	2412	16.577	2403.7481	2420.3251	---	PASS
		2437	16.598	2428.7351	2445.3331	---	PASS
		2462	16.624	2453.7301	2470.3541	---	PASS
11N20SISO	Ant1	2412	17.627	2403.2178	2420.8448	---	PASS
		2437	17.624	2428.1965	2445.8205	---	PASS
		2462	17.649	2453.1826	2470.8316	---	PASS
11N40SISO	Ant1	2422	35.533	2404.2649	2439.7979	---	PASS
		2437	35.541	2419.2325	2454.7735	---	PASS
		2452	35.539	2434.2406	2469.7796	---	PASS

Test Graphs

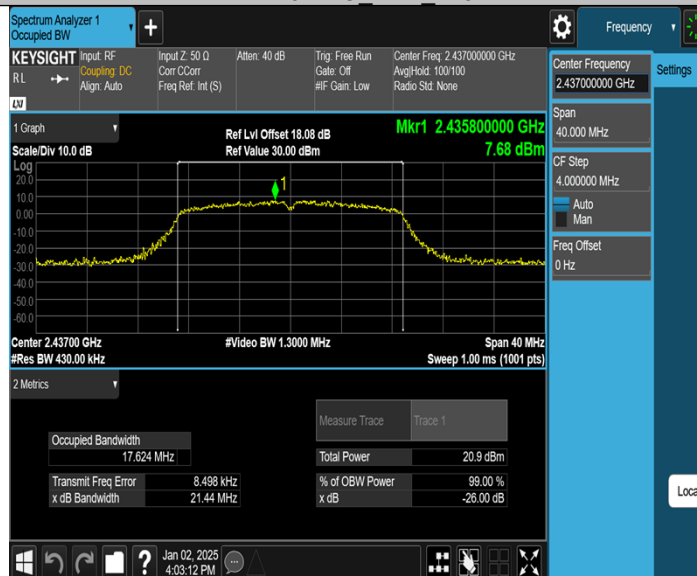




11N20SISO Ant1 2412



11N20SISO Ant1 2437



11N20SISO Ant1 2462

