

Appendix A: Test Results of 2.4GHz Wi-Fi

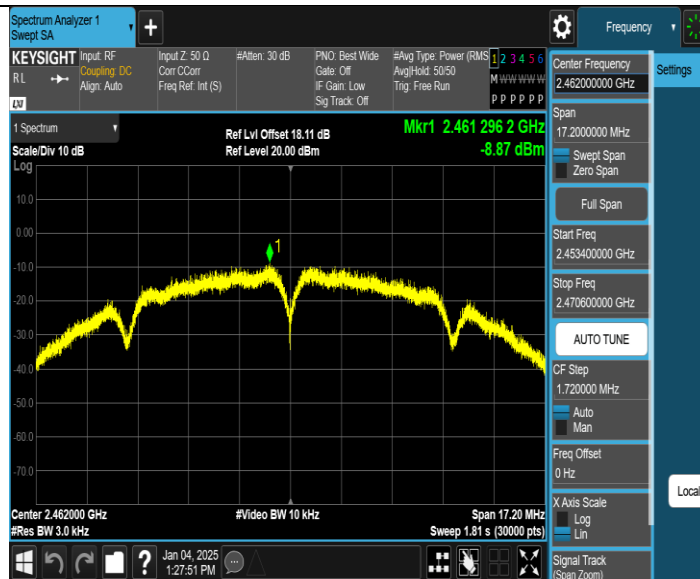
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Appendix A.1: Test Results of Conducted Power Spectral Density

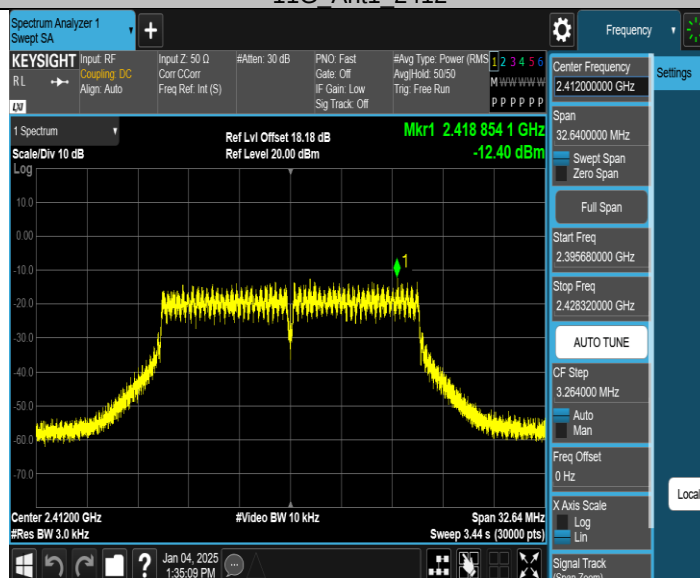
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.40	≤8.00	PASS
		2437	-8.50	≤8.00	PASS
		2462	-8.87	≤8.00	PASS
11G	Ant1	2412	-12.41	≤8.00	PASS
		2437	-13.22	≤8.00	PASS
		2462	-11.99	≤8.00	PASS
11N20SISO	Ant1	2412	-12.84	≤8.00	PASS
		2437	-13.31	≤8.00	PASS
		2462	-13.82	≤8.00	PASS
11N40SISO	Ant1	2422	-14.55	≤8.00	PASS
		2437	-15.97	≤8.00	PASS
		2452	-15.07	≤8.00	PASS

1.1.1 Test Graphs

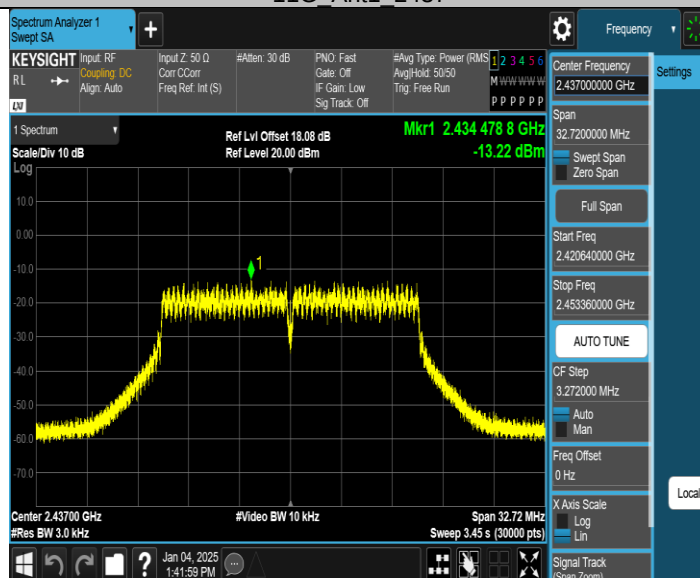




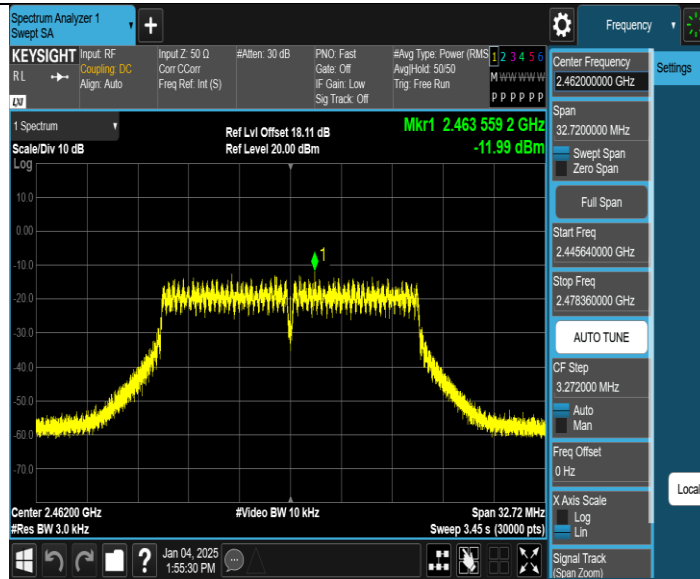
11G Ant1 2412



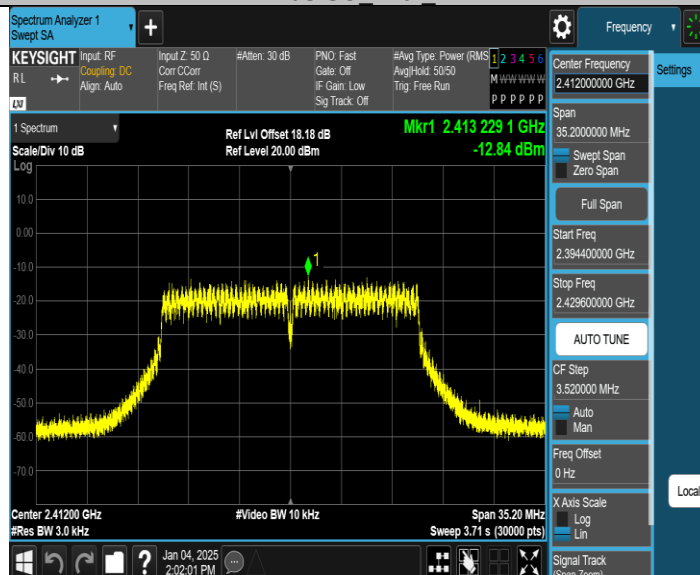
11G Ant1 2437



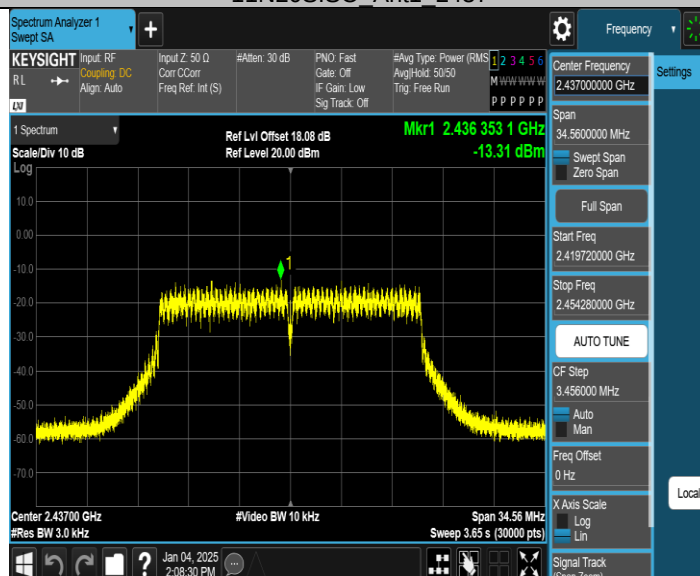
11G Ant1 2462



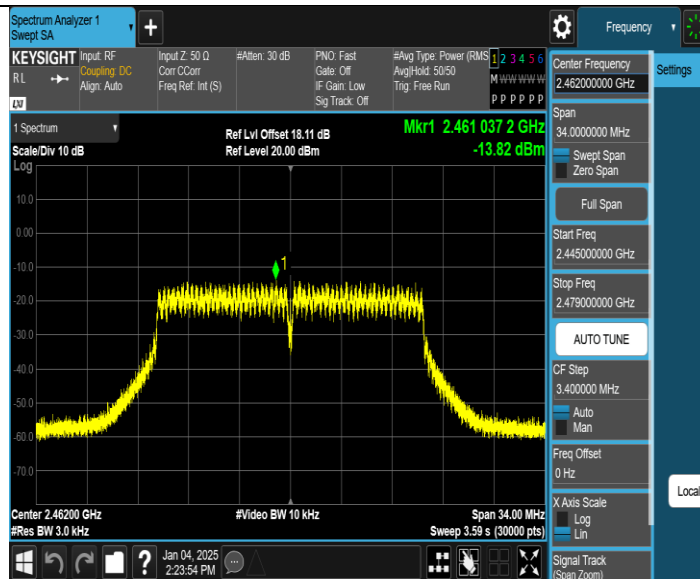
11N20SISO Ant1 2412



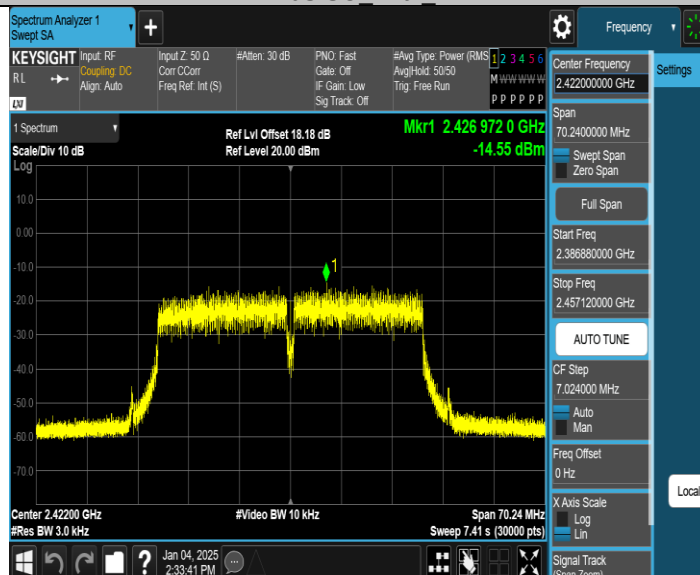
11N20SISO Ant1 2437



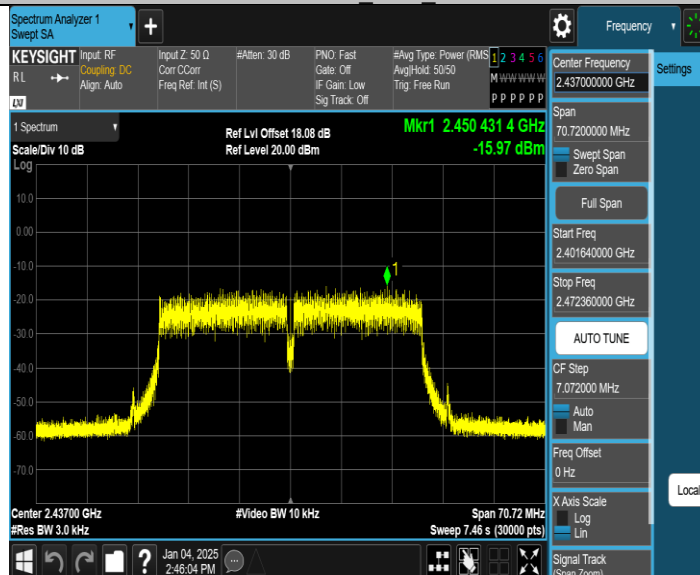
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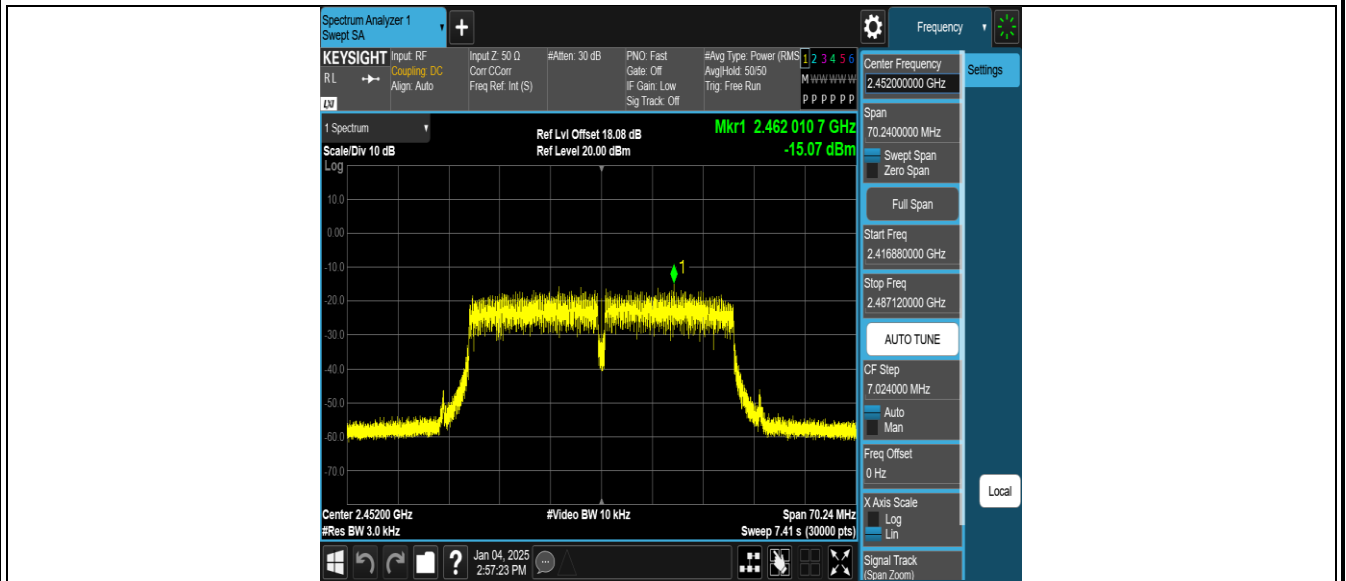
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452

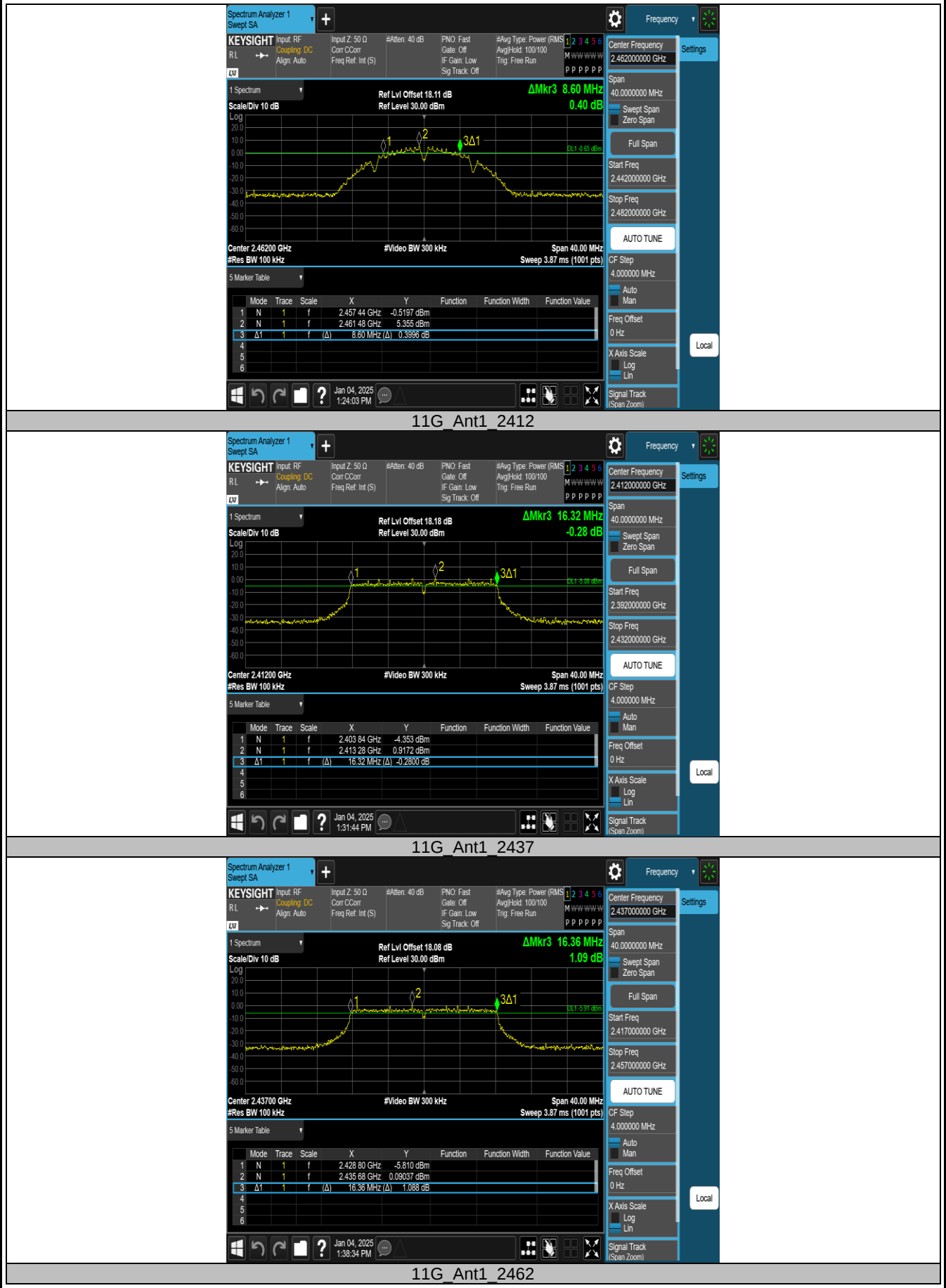


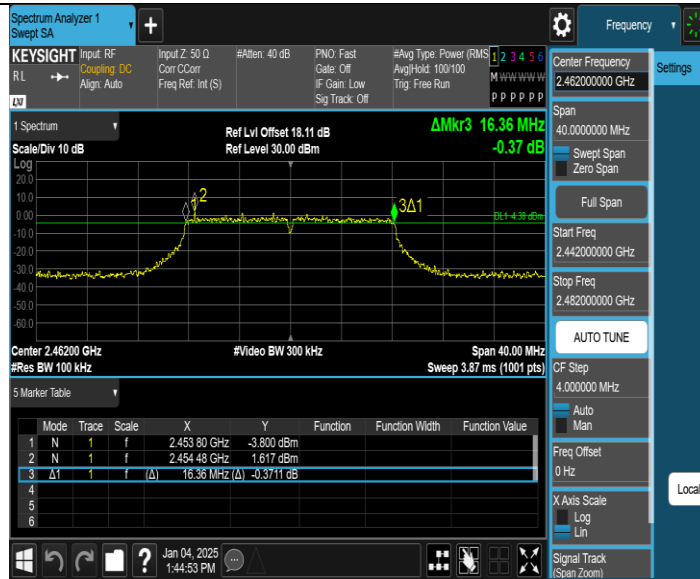
Appendix A.2: Test Results of 6dB Bandwidth

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	8.560	2432.960	2441.520	0.5	PASS
		2462	8.600	2457.440	2466.040	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.280	2428.480	2445.760	0.5	PASS
		2462	17.000	2453.480	2470.480	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.480	2439.600	0.5	PASS
		2437	35.360	2419.400	2454.760	0.5	PASS
		2452	35.120	2434.400	2469.520	0.5	PASS

1.1.2 Test Graphs







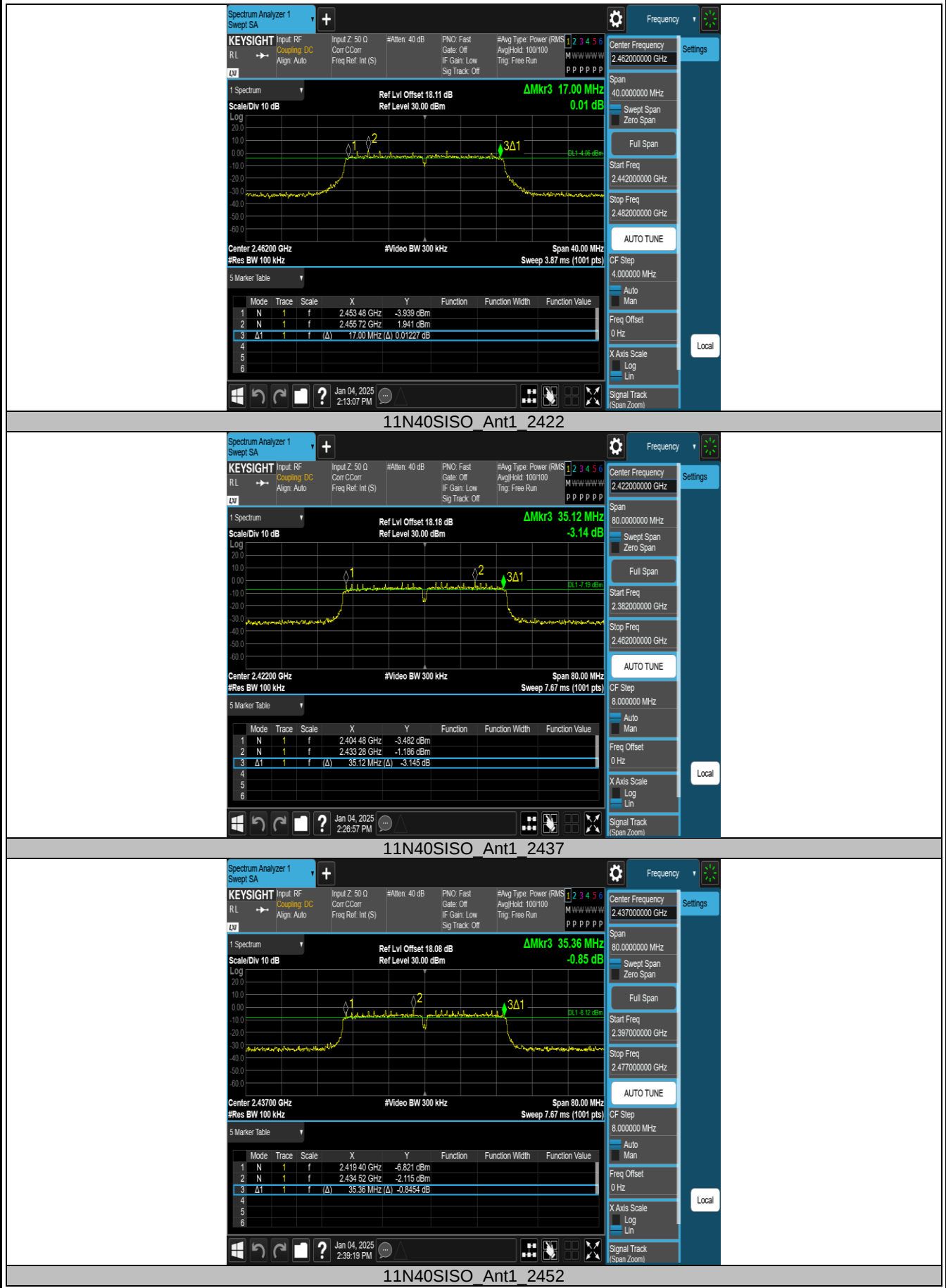
11N20SISO Ant1 2412



11N20SISO Ant1 2437



11N20SISO Ant1 2462

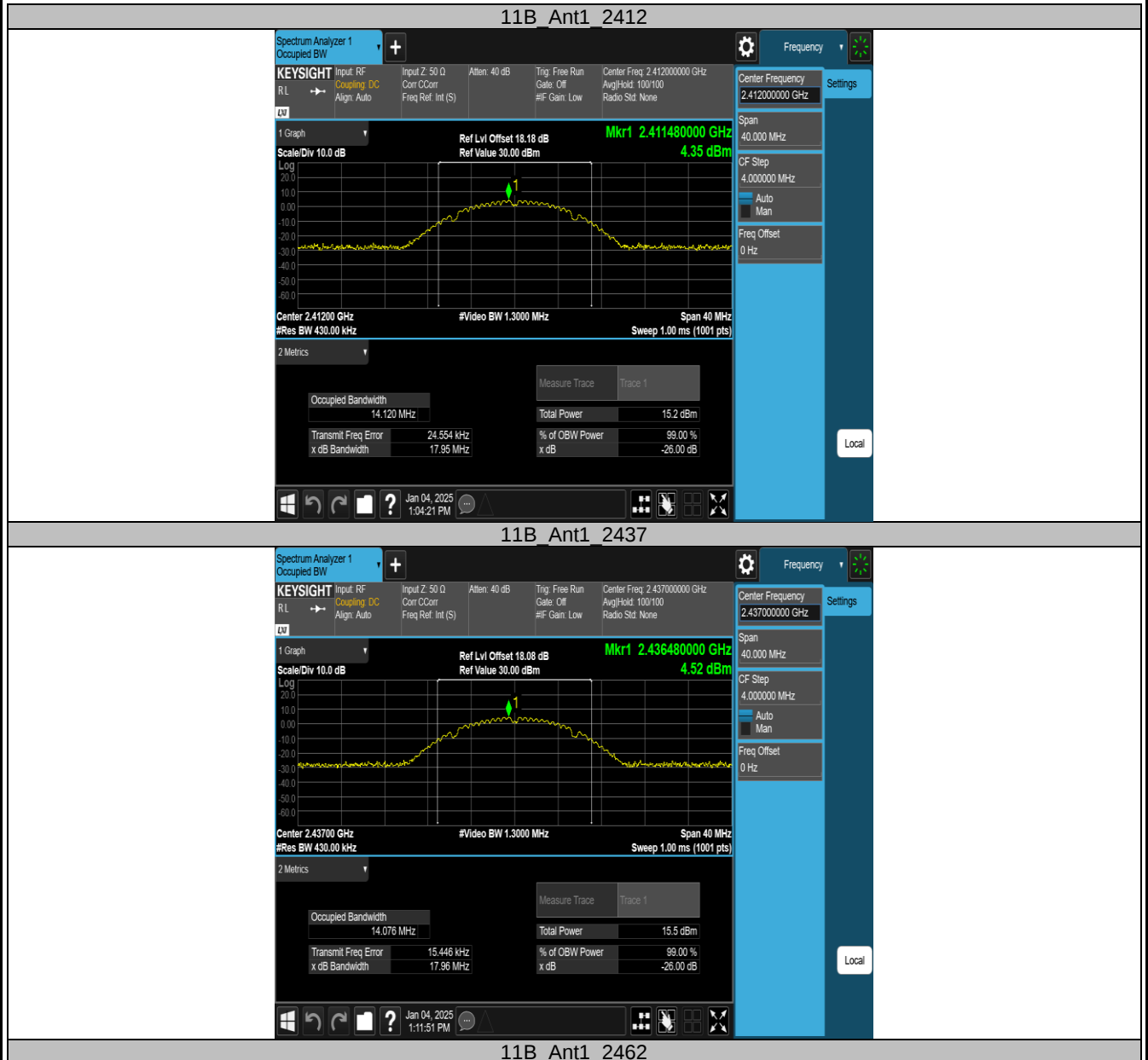


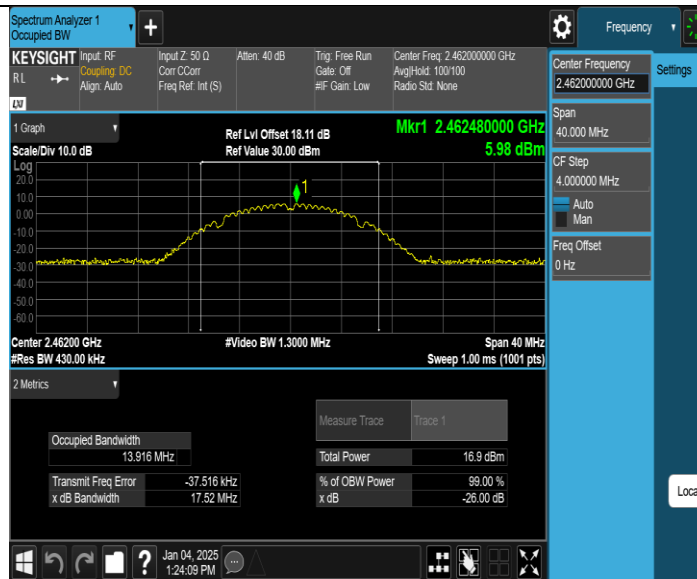


Appendix A.3: Test Results of 99% Bandwidth

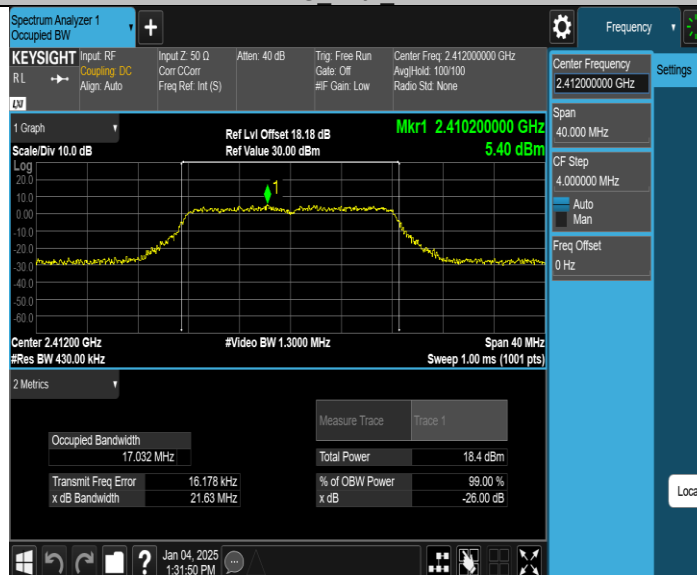
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	14.120	2404.9646	2419.0846
		2437	14.076	2429.9775	2444.0535
		2462	13.916	2455.0045	2468.9205
11G	Ant1	2412	17.032	2403.5002	2420.5322
		2437	17.131	2428.4080	2445.5390
		2462	16.995	2453.4614	2470.4564
11N20SISO	Ant1	2412	18.088	2402.9963	2421.0843
		2437	18.017	2427.9838	2446.0008
		2462	18.021	2453.0073	2471.0283
11N40SISO	Ant1	2422	36.374	2403.8792	2440.2532
		2437	36.563	2418.8384	2455.4014
		2452	36.403	2433.8176	2470.2206

1.1.3 Test Graphs

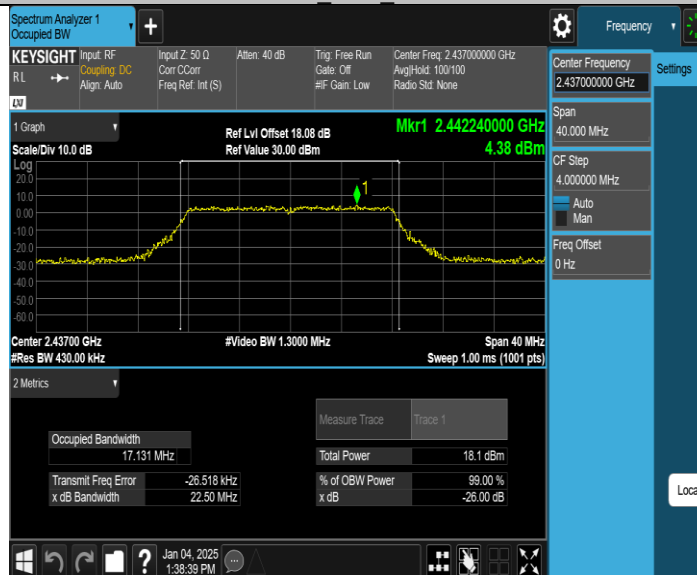




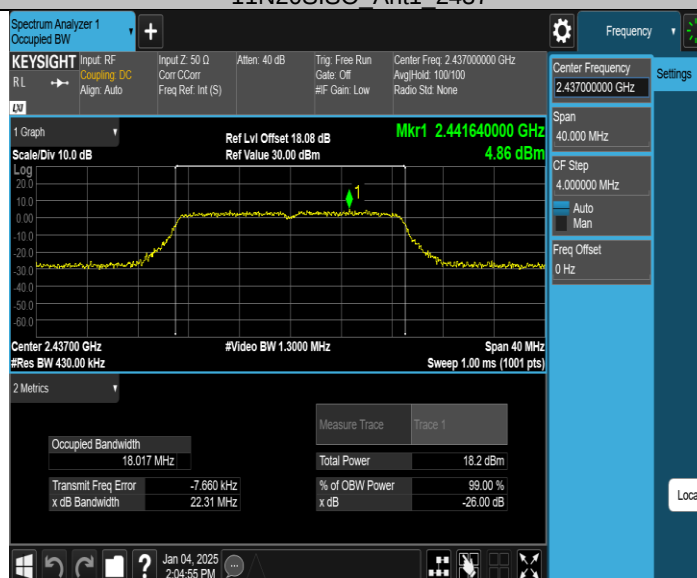
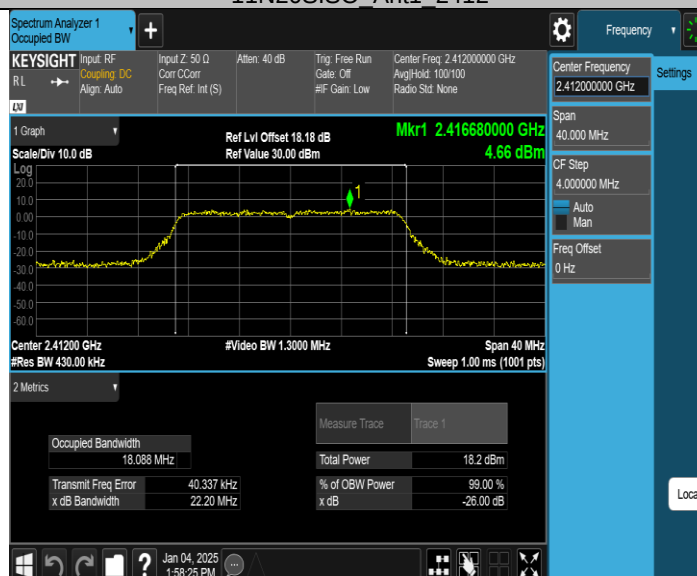
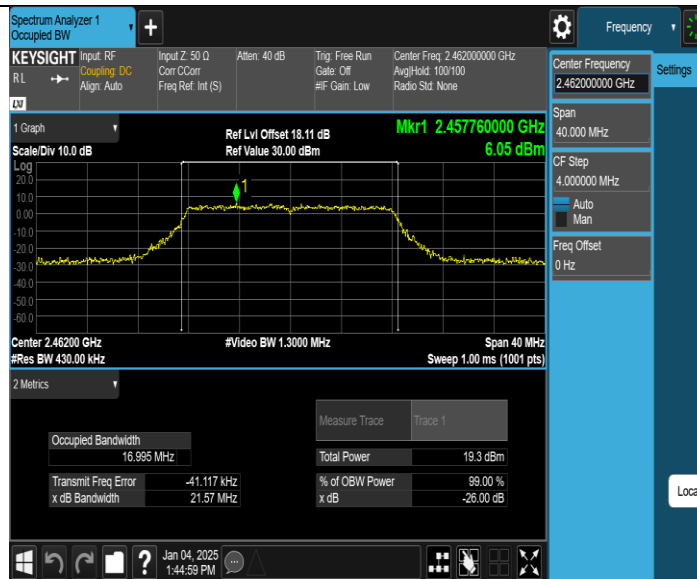
11G_Ant1_2412

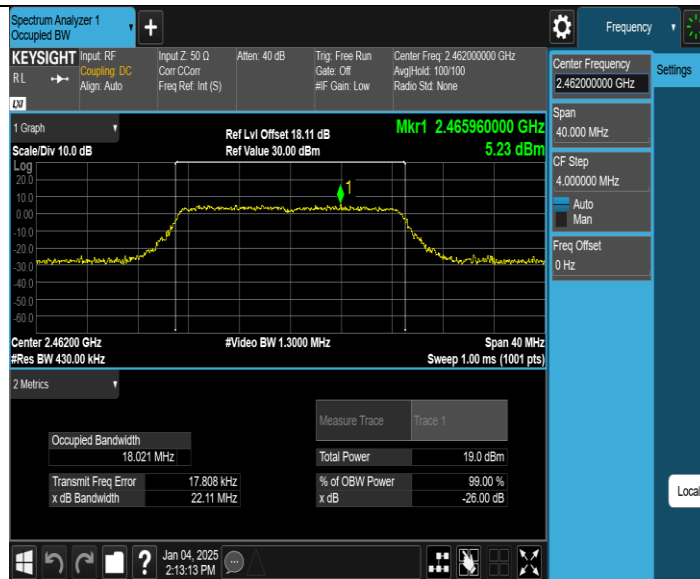


11G_Ant1_2437

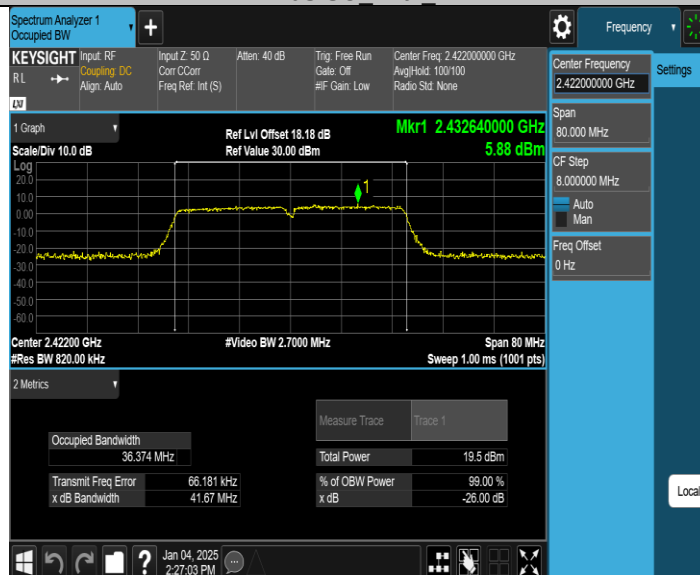


11G_Ant1_2462

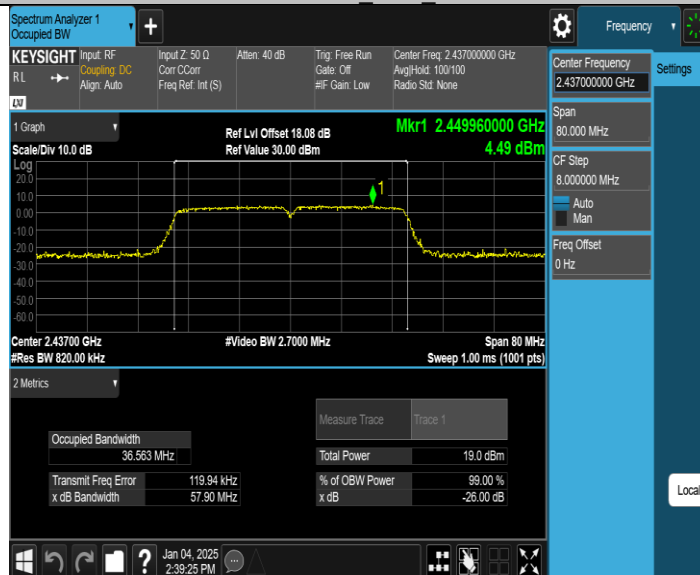




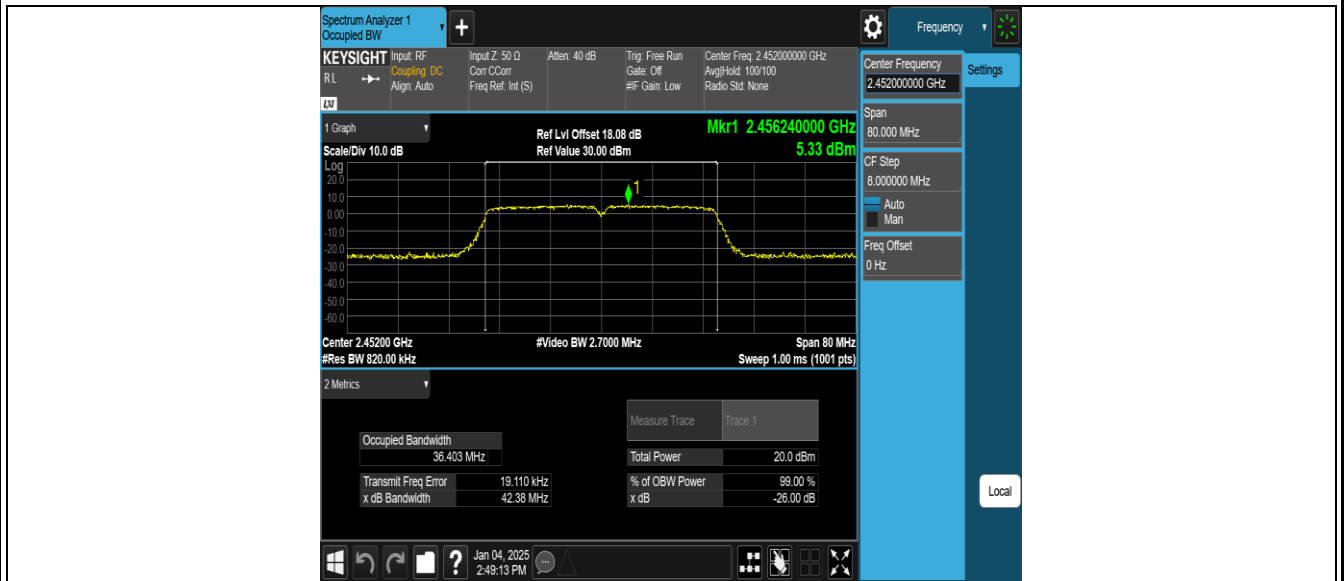
11N40SISO Ant1 2422



11N40SISO Ant1 2437



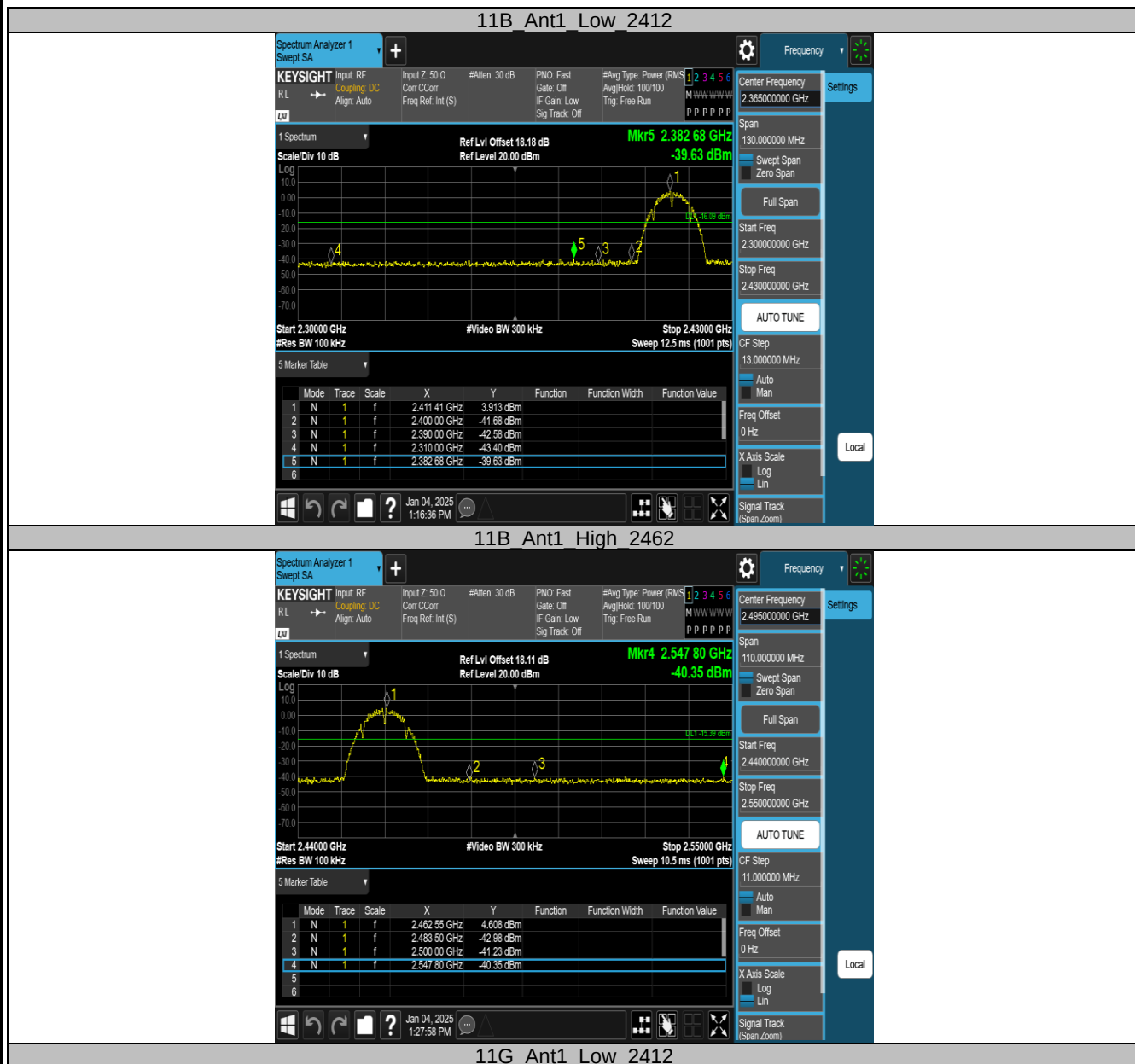
11N40SISO Ant1 2452

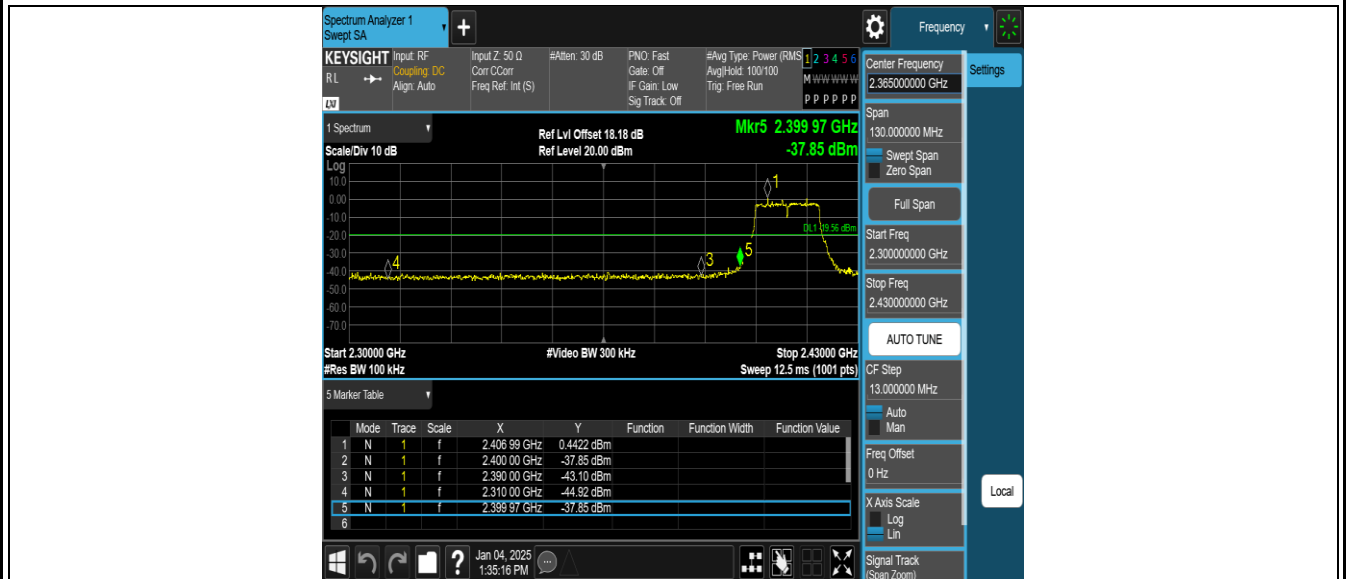


Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.91	-39.63	≤-16.09	PASS
		High	2462	4.61	-40.35	≤-15.39	PASS
11G	Ant1	Low	2412	0.44	-37.85	≤-19.56	PASS
		High	2462	0.30	-40.49	≤-19.7	PASS
11N20SISO	Ant1	Low	2412	0.80	-37.6	≤-19.2	PASS
		High	2462	0.83	-40.21	≤-19.17	PASS
11N40SISO	Ant1	Low	2422	-1.51	-35.68	≤-21.51	PASS
		High	2452	-1.79	-39.7	≤-21.79	PASS

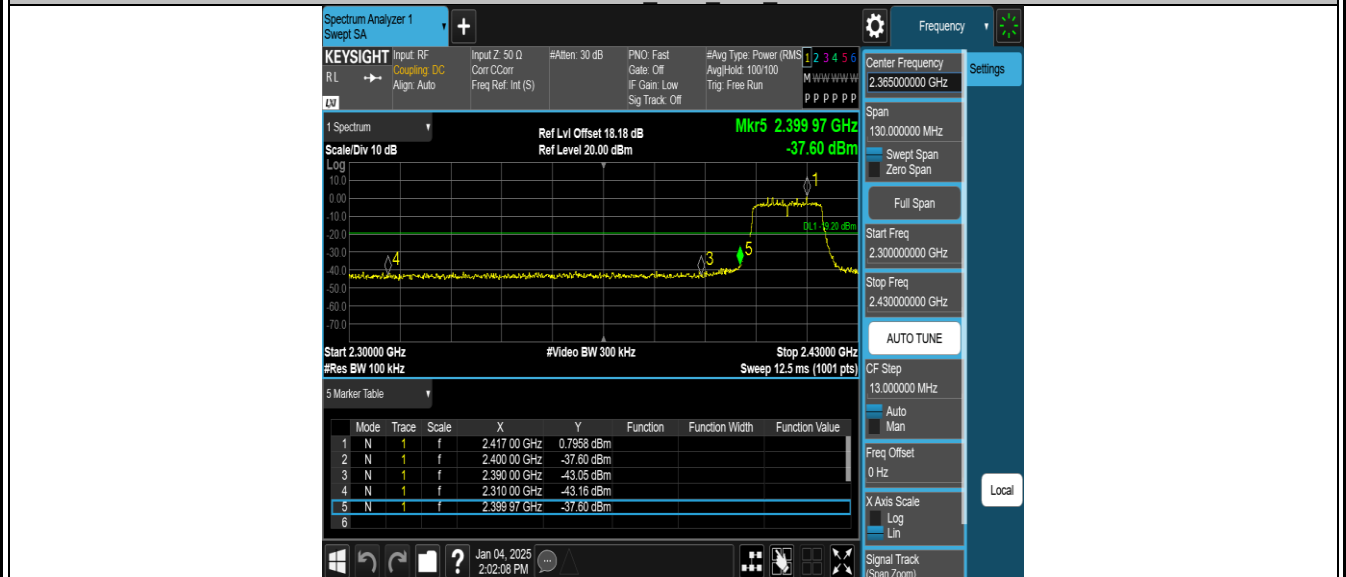




11G Ant1 High 2462



11N20SISO Ant1 Low 2412



11N20SISO Ant1 High 2462

