

Appendix A: Test Results of 2.4GHz Wi-Fi

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Appendix A.1: Test Results of 6dB Bandwidth

Test Result

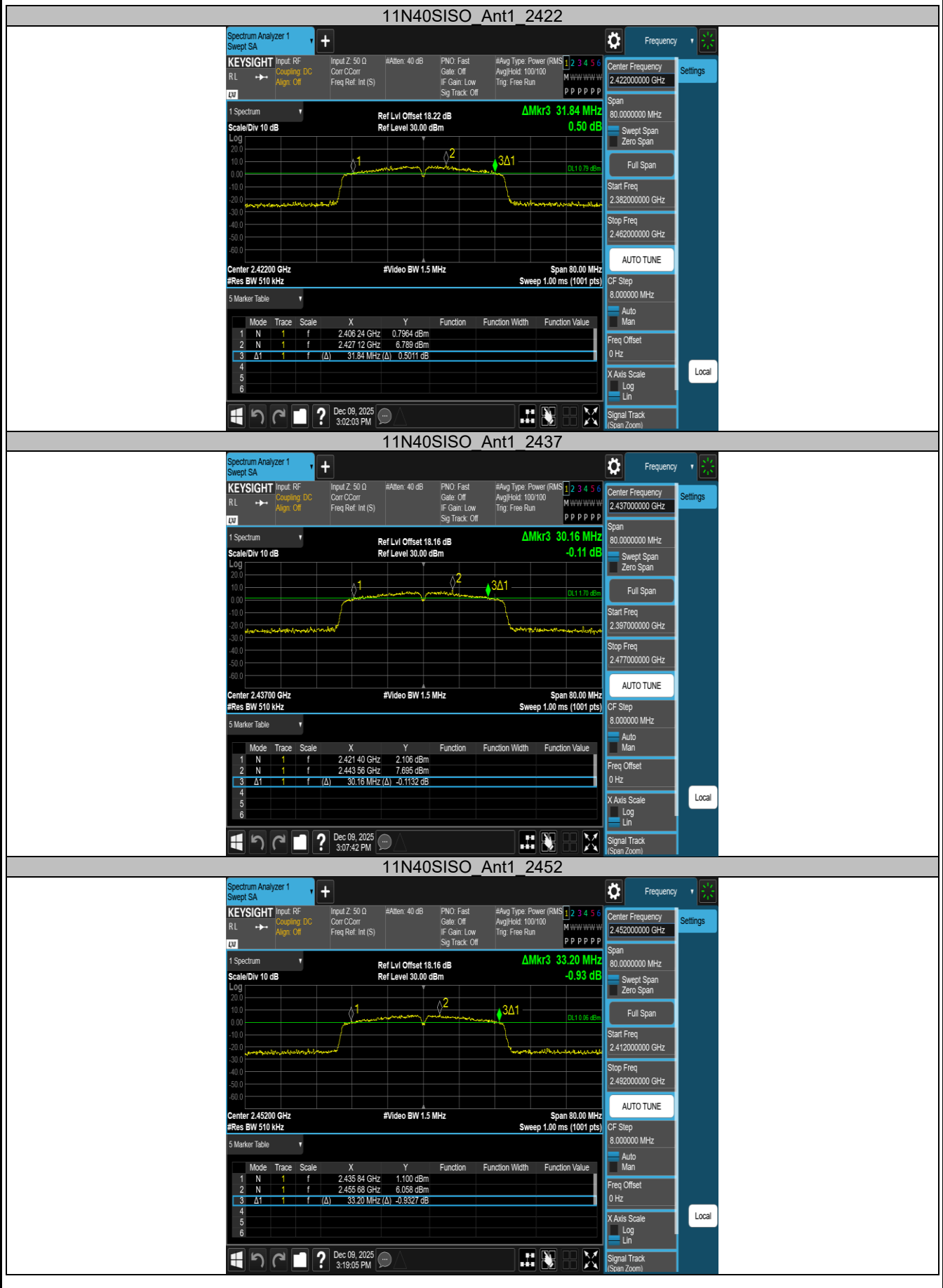
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.120	2406.920	2417.040	0.5	PASS
		2437	10.160	2431.920	2442.080	0.5	PASS
		2462	10.120	2456.960	2467.080	0.5	PASS
11G	Ant1	2412	15.760	2404.040	2419.800	0.5	PASS
		2437	15.800	2429.000	2444.800	0.5	PASS
		2462	15.800	2454.040	2469.840	0.5	PASS
11N20SISO	Ant1	2412	16.160	2404.120	2420.280	0.5	PASS
		2437	16.480	2428.840	2445.320	0.5	PASS
		2462	16.280	2453.840	2470.120	0.5	PASS
11N40SISO	Ant1	2422	31.840	2406.240	2438.080	0.5	PASS
		2437	30.160	2421.400	2451.560	0.5	PASS
		2452	33.200	2435.840	2469.040	0.5	PASS

Test Graphs









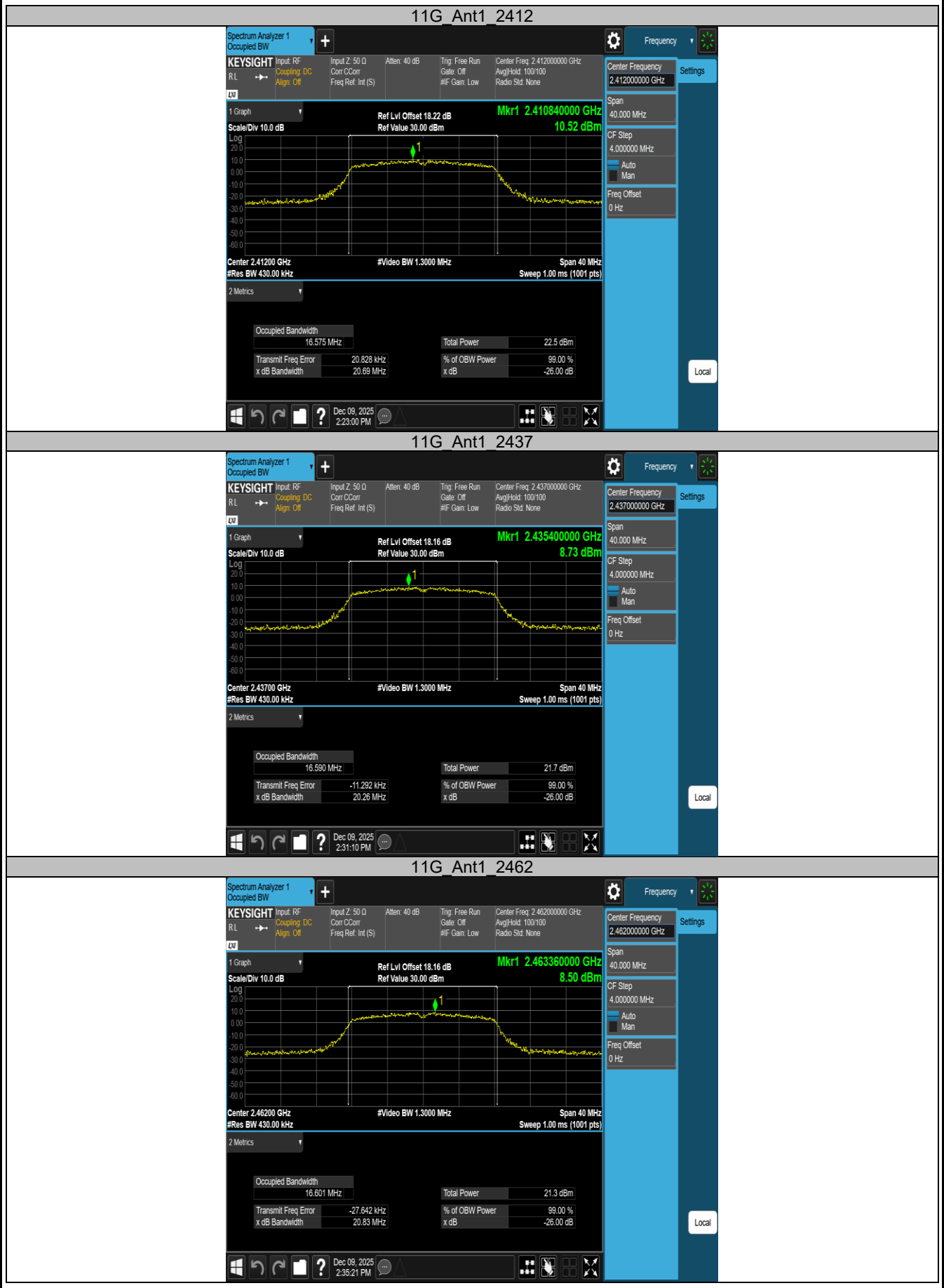
Appendix A.2: Test Results of 99% Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.589	2404.6841	2419.2731	---	PASS
		2437	14.350	2429.8098	2444.1598	---	PASS
		2462	14.225	2454.8965	2469.1215	---	PASS
11G	Ant1	2412	16.575	2403.7333	2420.3083	---	PASS
		2437	16.590	2428.6937	2445.2837	---	PASS
		2462	16.601	2453.6719	2470.2729	---	PASS
11N20SISO	Ant1	2412	17.693	2403.1572	2420.8502	---	PASS
		2437	17.698	2428.1301	2445.8281	---	PASS
		2462	17.643	2453.1711	2470.8141	---	PASS
11N40SISO	Ant1	2422	35.578	2404.2338	2439.8118	---	PASS
		2437	35.521	2419.2580	2454.7790	---	PASS
		2452	35.584	2434.2212	2469.8052	---	PASS

Test Graphs









Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.15	≤8.00	PASS
		2437	-4.56	≤8.00	PASS
		2462	-4.90	≤8.00	PASS
11G	Ant1	2412	-7.69	≤8.00	PASS
		2437	-7.90	≤8.00	PASS
		2462	-8.65	≤8.00	PASS
11N20SISO	Ant1	2412	-8.47	≤8.00	PASS
		2437	-8.47	≤8.00	PASS
		2462	-8.29	≤8.00	PASS
11N40SISO	Ant1	2422	-10.08	≤8.00	PASS
		2437	-10.26	≤8.00	PASS
		2452	-10.69	≤8.00	PASS

Test Graphs









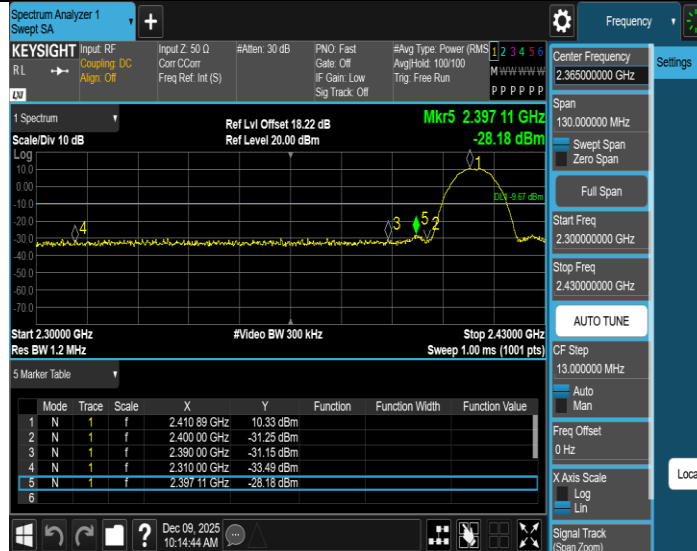
Appendix A.4: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.33	-28.18	≤-9.67	PASS
		High	2462	6.74	-38.44	≤-13.26	PASS
11G	Ant1	Low	2412	2.96	-31.95	≤-17.04	PASS
		High	2462	4.02	-37.08	≤-15.98	PASS
11N20SISO	Ant1	Low	2412	4.87	-30.56	≤-15.13	PASS
		High	2462	4.65	-37.06	≤-15.35	PASS
11N40SISO	Ant1	Low	2422	1.33	-32.9	≤-18.67	PASS
		High	2452	1.43	-33.97	≤-18.57	PASS

Test Graphs

11B Ant1 Low 2412



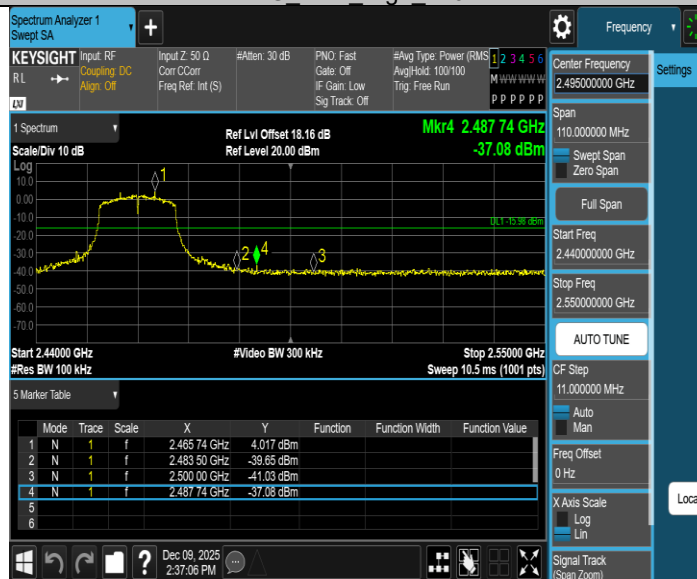
11B Ant1 High 2462



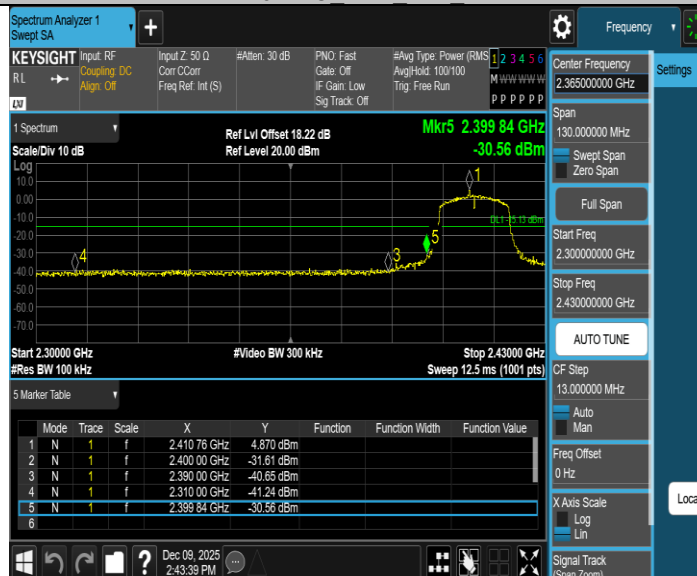
11G Ant1 Low 2412



11G Ant1 High 2462



11N20SISO Ant1 Low 2412



11N20SISO Ant1 High 2462



11N40SISO Ant1 Low 2422



11N40SISO Ant1 High 2452

