

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	8.840	2407.480	2416.320	0.5	PASS
		2437	8.760	2432.480	2441.240	0.5	PASS
		2462	8.920	2457.360	2466.280	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.160	2428.920	2445.080	0.5	PASS
		2462	16.280	2453.880	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.040	2403.440	2420.480	0.5	PASS
		2437	17.080	2428.480	2445.560	0.5	PASS
		2462	16.880	2453.600	2470.480	0.5	PASS
11N40SISO	Ant1	2422	33.360	2405.440	2438.800	0.5	PASS
		2437	32.800	2420.600	2453.400	0.5	PASS
		2452	32.480	2435.600	2468.080	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



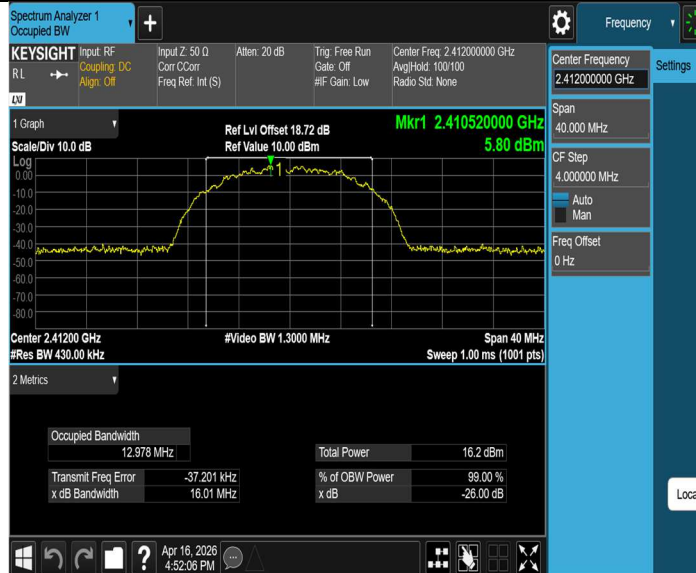
Appendix A.2: Test Results of 99% Bandwidth

Test Result

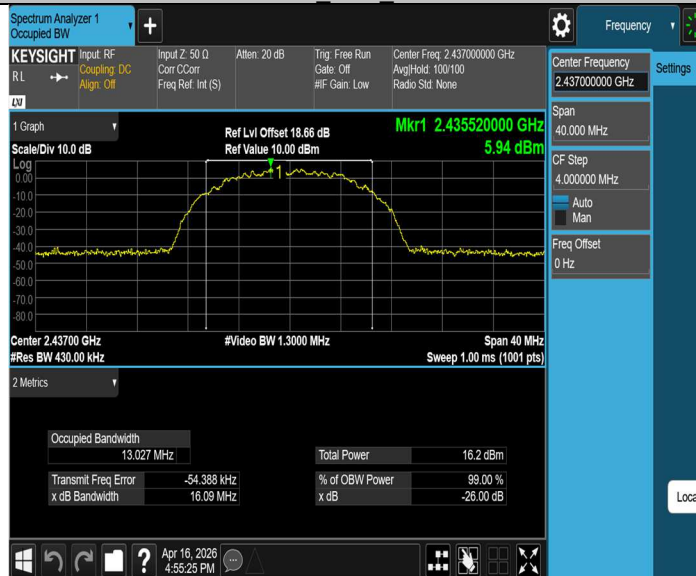
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.978	2405.4738	2418.4518	---	PASS
		2437	13.027	2430.4321	2443.4591	---	PASS
		2462	12.987	2455.4602	2468.4472	---	PASS
11G	Ant1	2412	16.519	2403.7268	2420.2458	---	PASS
		2437	16.564	2428.6968	2445.2608	---	PASS
		2462	16.573	2453.6965	2470.2695	---	PASS
11N20SISO	Ant1	2412	17.359	2403.3044	2420.6634	---	PASS
		2437	17.356	2428.3117	2445.6677	---	PASS
		2462	17.371	2453.2916	2470.6626	---	PASS
11N40SISO	Ant1	2422	34.564	2404.7560	2439.3200	---	PASS
		2437	34.610	2419.7366	2454.3466	---	PASS
		2452	34.651	2434.7063	2469.3573	---	PASS

Test Graphs

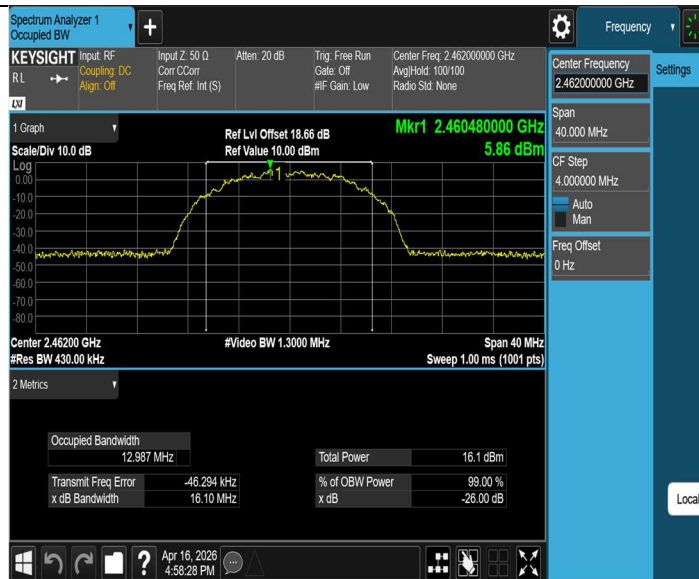
11B Ant1 2412



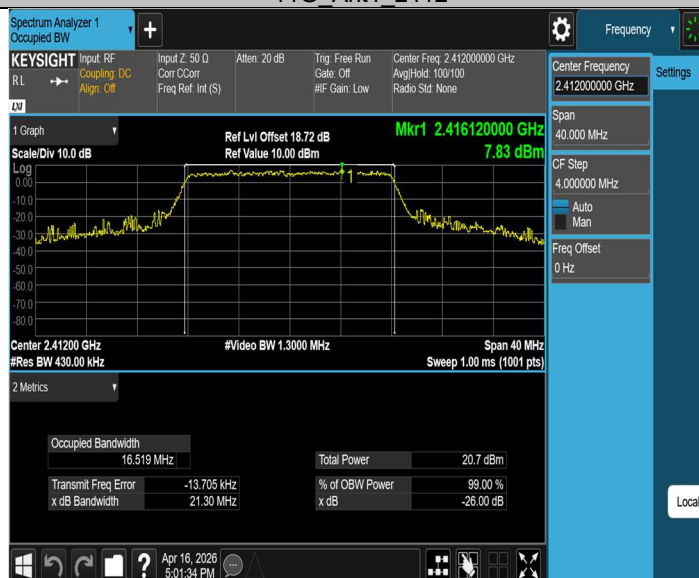
11B Ant1 2437



11B Ant1 2462



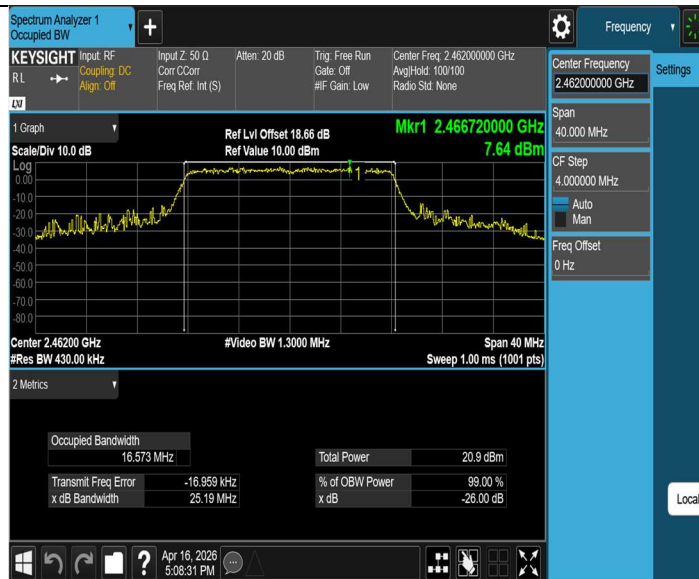
11G_Ant1_2412



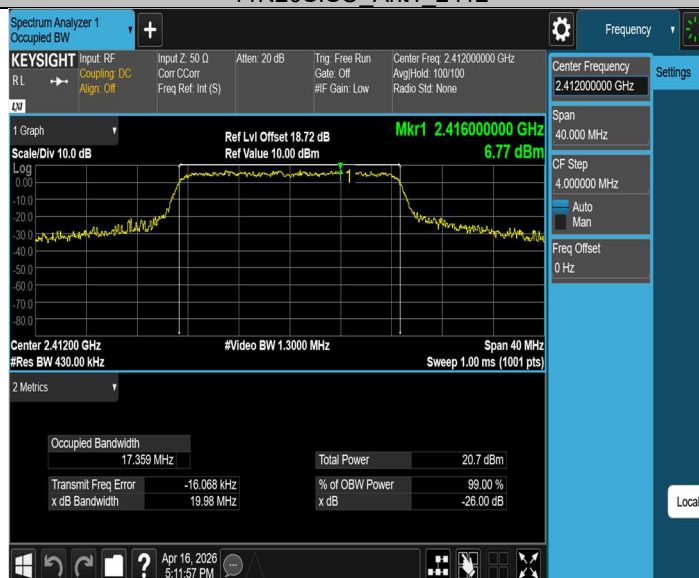
11G_Ant1_2437



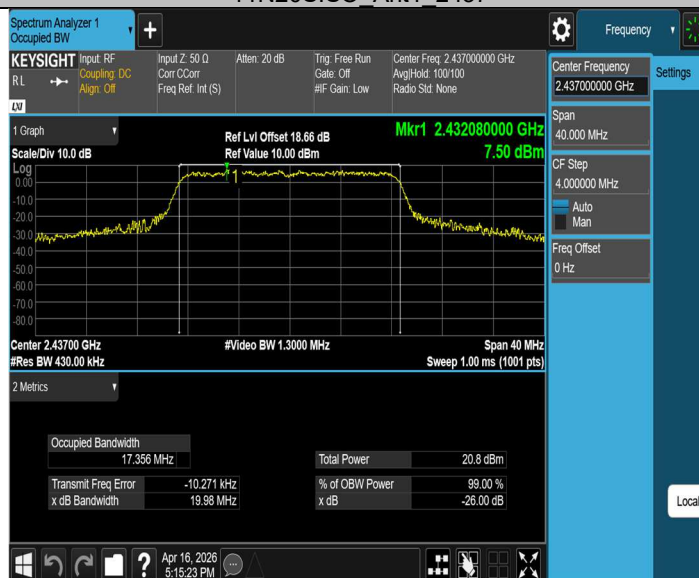
11G_Ant1_2462



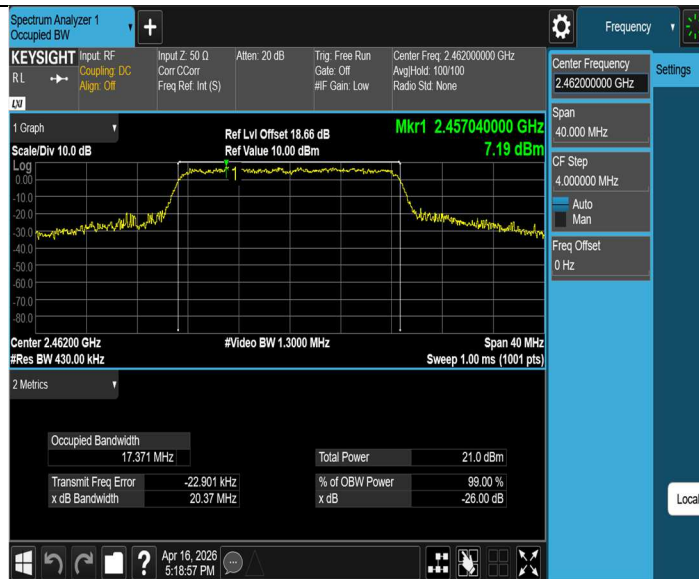
11N20SISO Ant1 2412



11N20SISO Ant1 2437



11N20SISO Ant1 2462



11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



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

Test Result

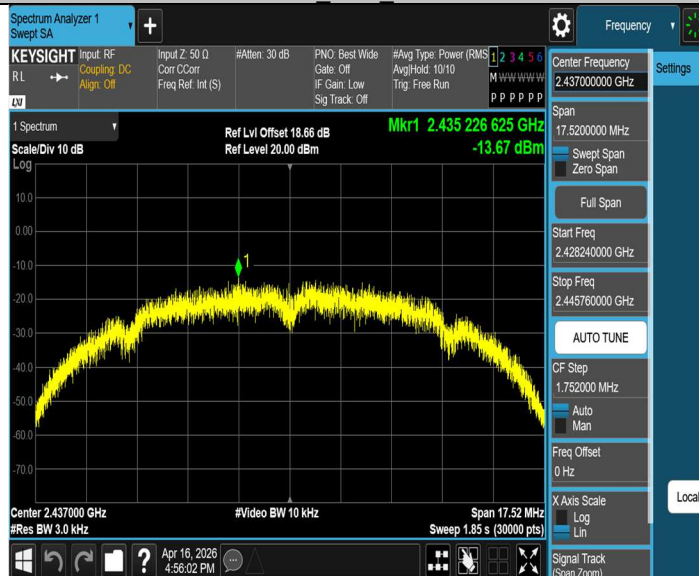
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.81	≤8.00	PASS
		2437	-13.67	≤8.00	PASS
		2462	-13.92	≤8.00	PASS
11G	Ant1	2412	-7.78	≤8.00	PASS
		2437	-7.24	≤8.00	PASS
		2462	-9.26	≤8.00	PASS
11N20SISO	Ant1	2412	-7.75	≤8.00	PASS
		2437	-7.21	≤8.00	PASS
		2462	-9.37	≤8.00	PASS
11N40SISO	Ant1	2422	-7.74	≤8.00	PASS
		2437	-7.50	≤8.00	PASS
		2452	-9.23	≤8.00	PASS

Test Graphs

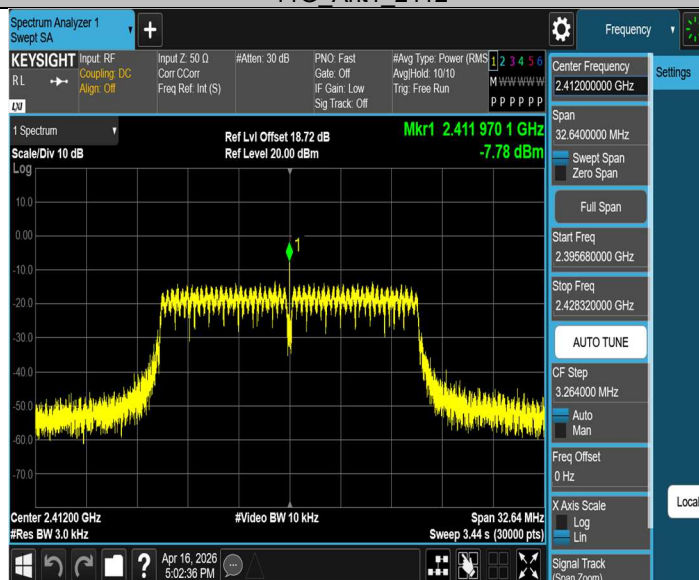
11B_Ant1_2412

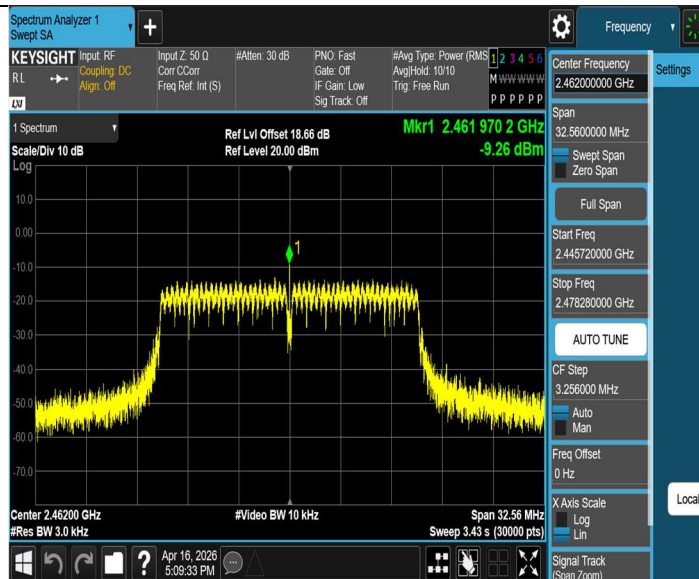


11B_Ant1_2437

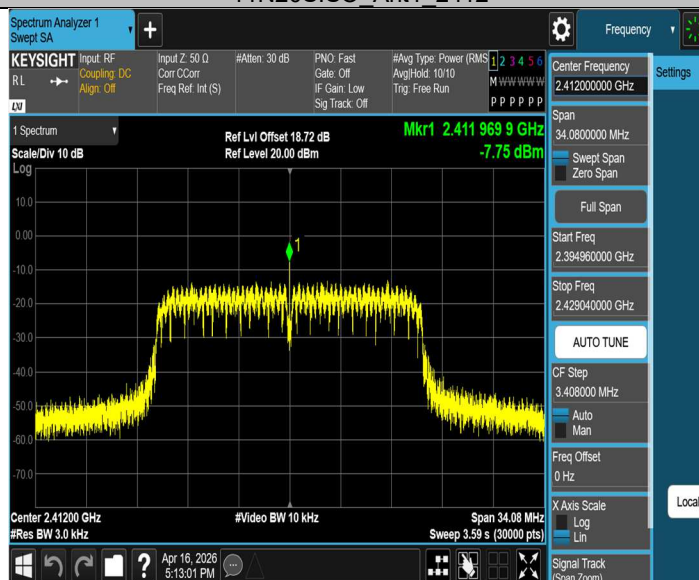


11B_Ant1_2462

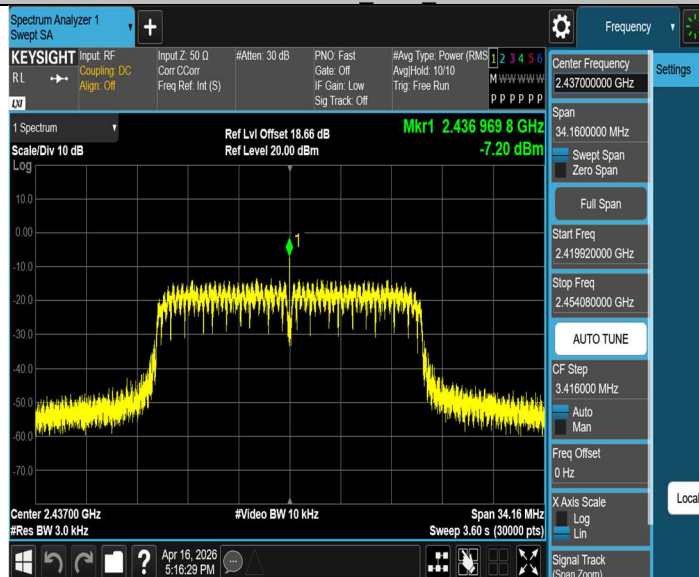




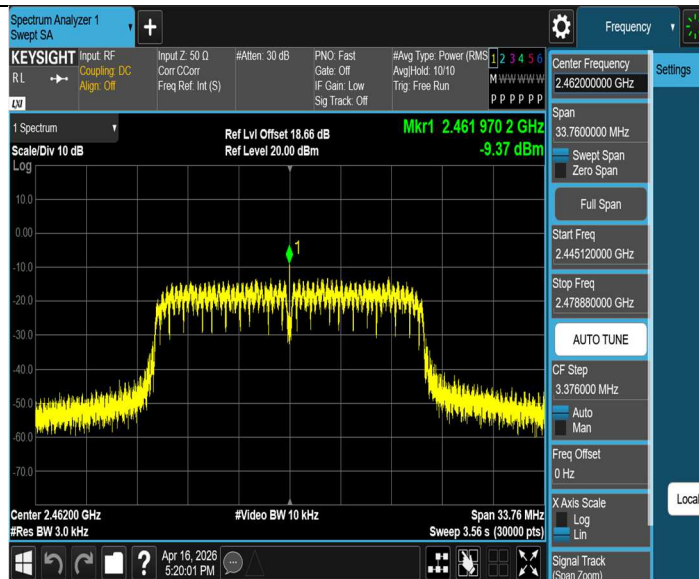
11N20SISO Ant1 2412



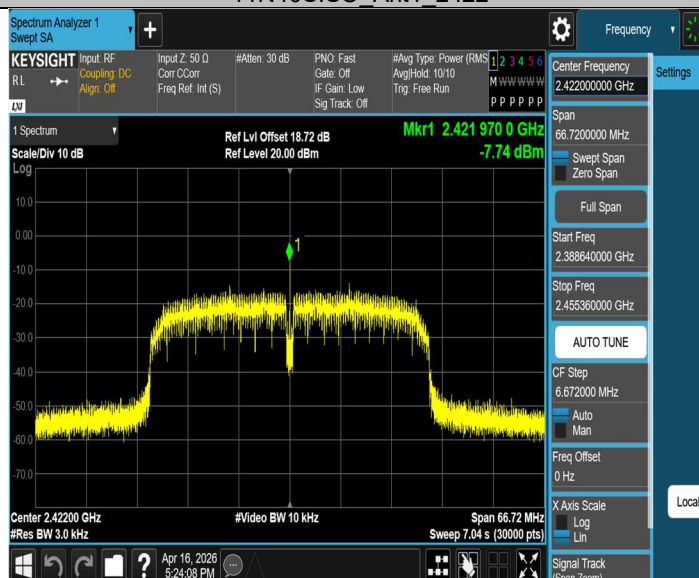
11N20SISO Ant1 2437



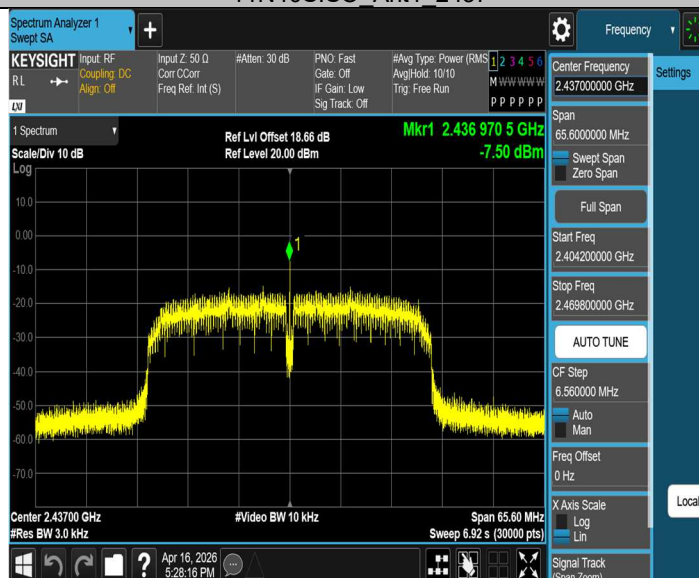
11N20SISO Ant1 2462



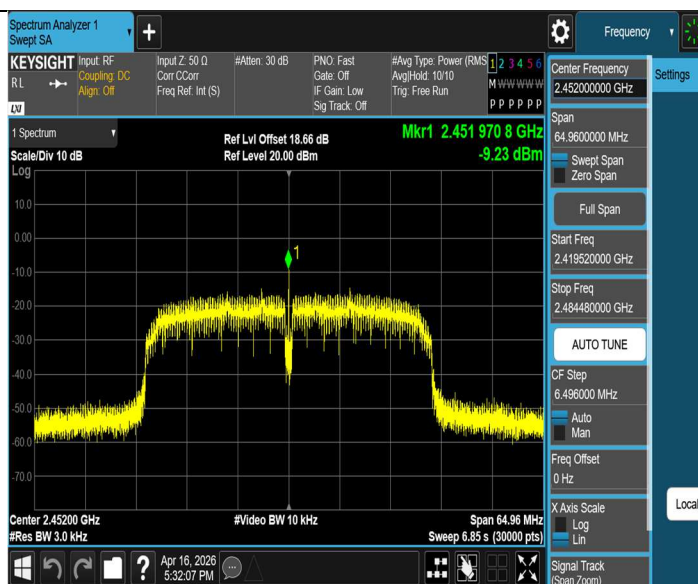
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



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	1.35	-37.53	≤-18.65	PASS
		High	2462	0.80	-37.48	≤-19.2	PASS
11G	Ant1	Low	2412	0.76	-29.05	≤-19.24	PASS
		High	2462	0.88	-36.63	≤-19.12	PASS
11N20SISO	Ant1	Low	2412	0.87	-32.16	≤-19.13	PASS
		High	2462	0.96	-36.88	≤-19.04	PASS
11N40SISO	Ant1	Low	2422	-2.52	-32.94	≤-22.52	PASS
		High	2452	-2.41	-33.75	≤-22.41	PASS

Test Graphs

11B Ant1 Low 2412



11B Ant1 High 2462



11G Ant1 Low 2412



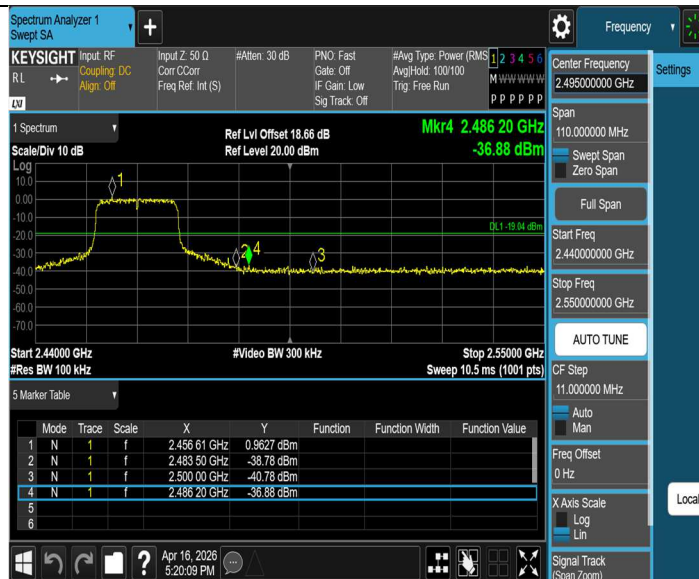
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO Ant1 Low 2422



11N40SISO Ant1 High 2452

