

Appendix B: Test Results of 2.4GHz Wi-Fi

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

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-0.30	≤8.00	PASS
		2437	-0.57	≤8.00	PASS
		2462	-0.84	≤8.00	PASS
11G	Ant1	2412	-9.17	≤8.00	PASS
		2437	-9.94	≤8.00	PASS
		2462	-9.42	≤8.00	PASS
11N20SISO	Ant1	2412	-10.93	≤8.00	PASS
		2437	-10.63	≤8.00	PASS
		2462	-10.63	≤8.00	PASS
11N40SISO	Ant1	2422	-12.19	≤8.00	PASS
		2437	-13.06	≤8.00	PASS
		2452	-13.30	≤8.00	PASS

11B_Ant1_2412



11B_Ant1_2437

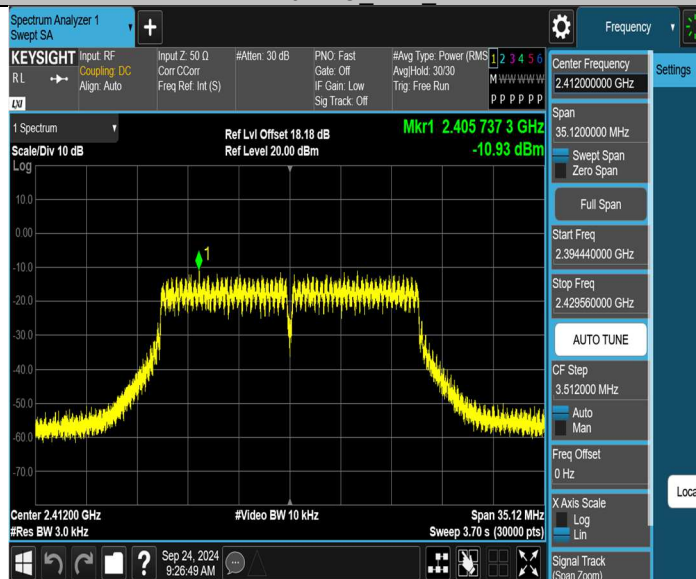


11B_Ant1_2462

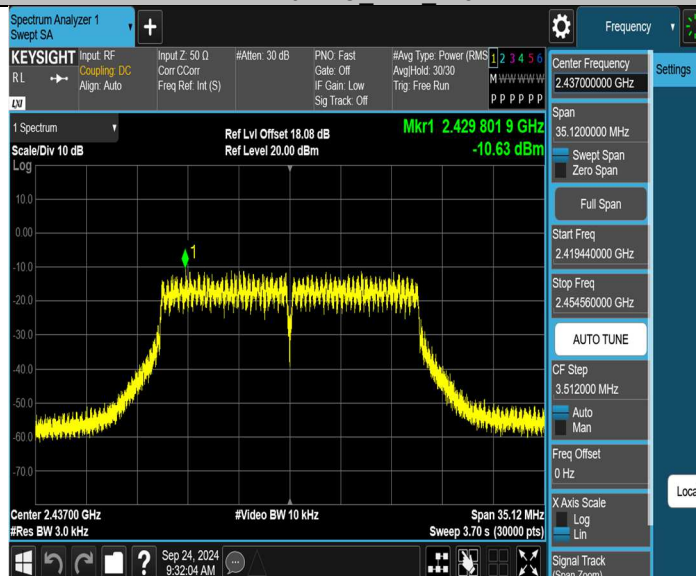




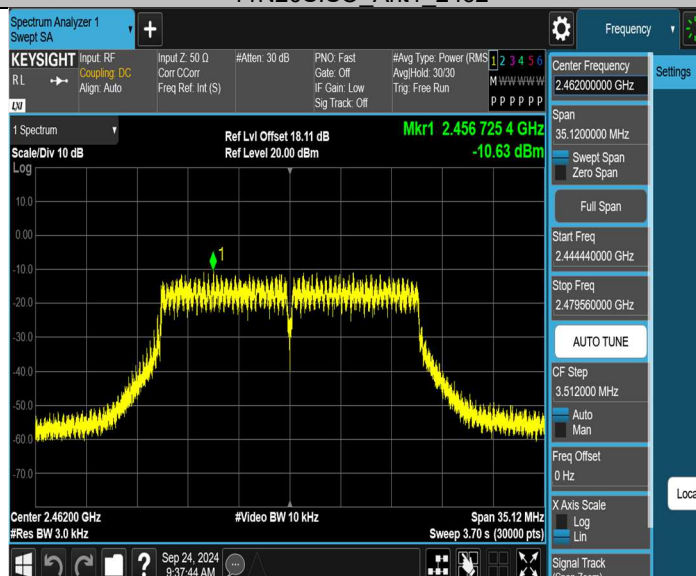
11N20SISO Ant1 2412



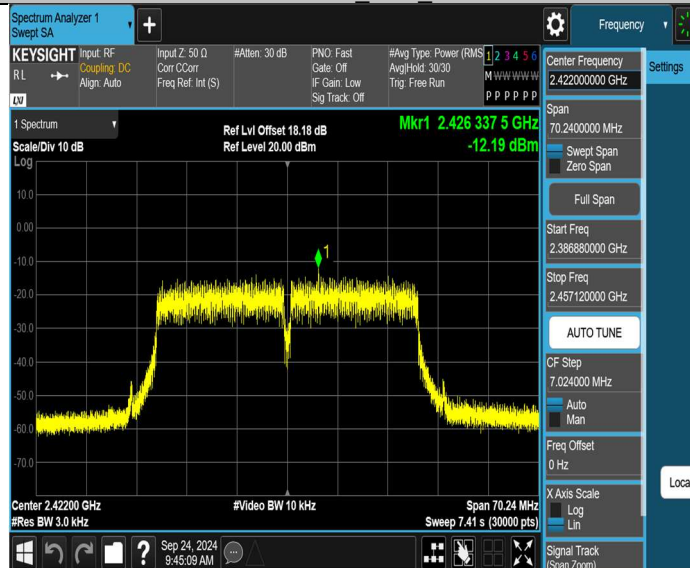
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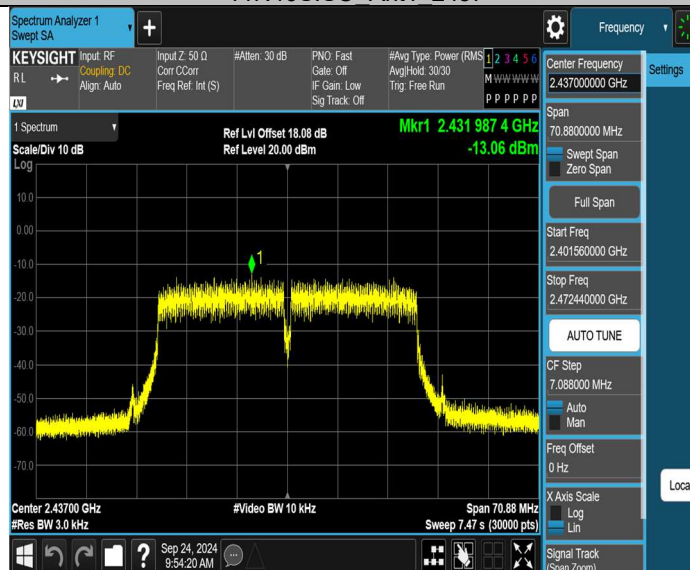
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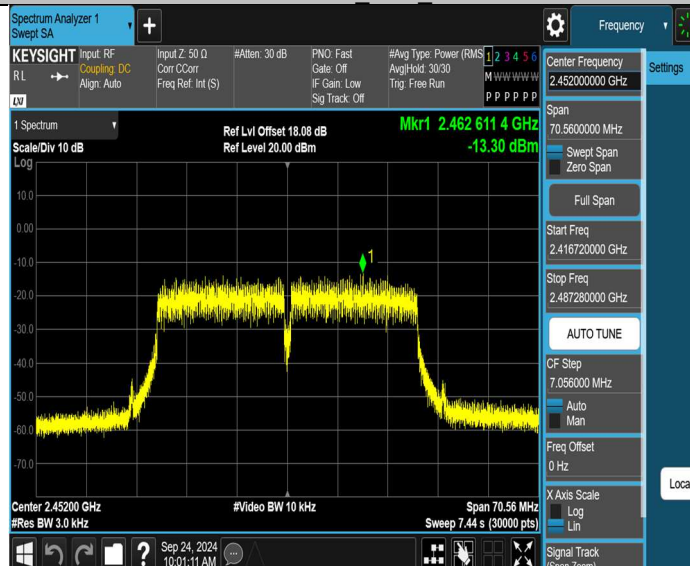
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



Appendix B.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.080	2407.960	2416.040	0.5	PASS
		2437	8.040	2432.960	2441.000	0.5	PASS
		2462	9.040	2457.480	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.200	2420.760	0.5	PASS
		2437	17.560	2428.200	2445.760	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.720	2439.840	0.5	PASS
		2437	35.440	2419.400	2454.840	0.5	PASS
		2452	35.280	2434.480	2469.760	0.5	PASS

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462







11N40SISO Ant1 2422



11N40SISO Ant1 2437

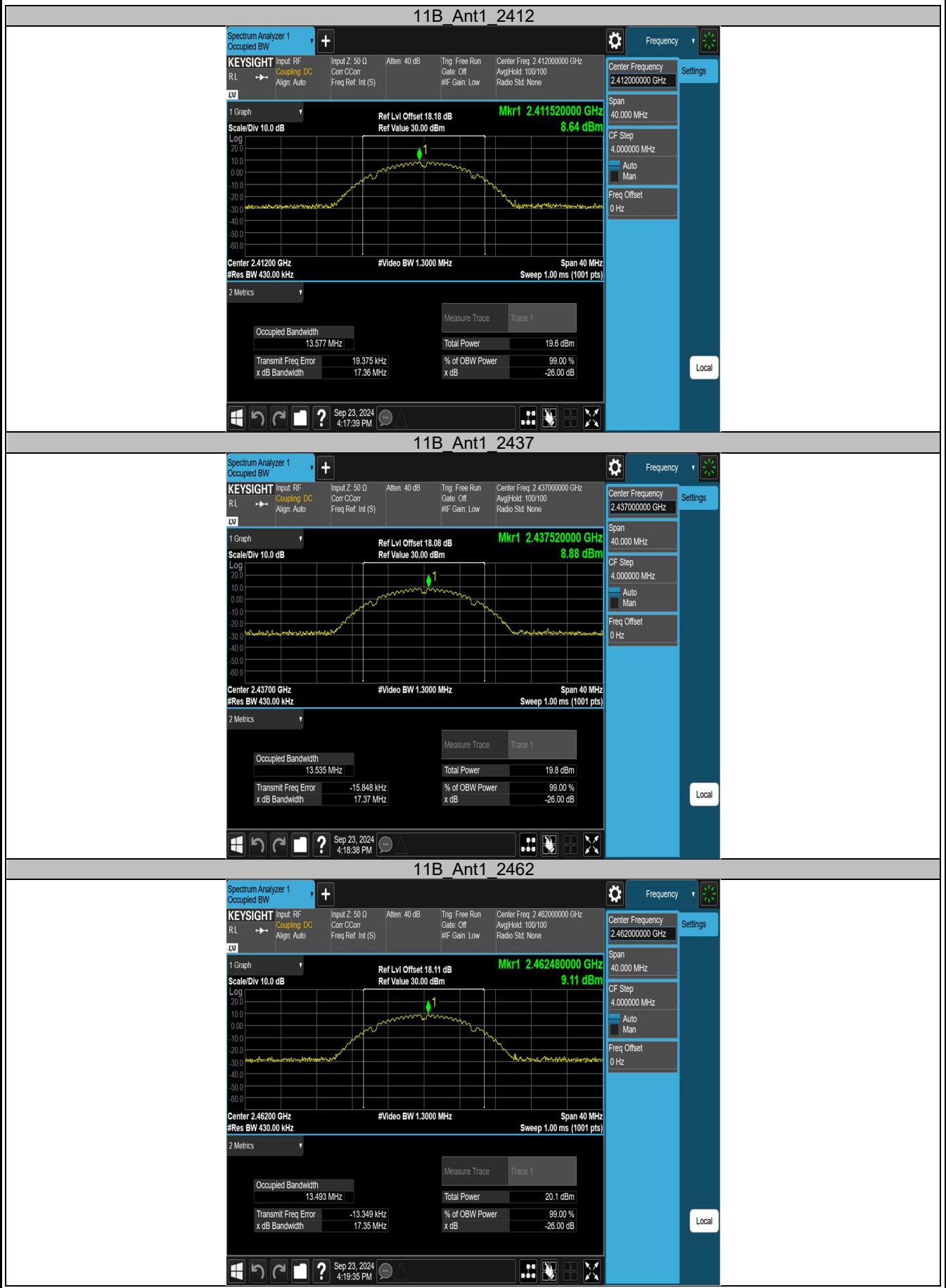


11N40SISO Ant1 2452



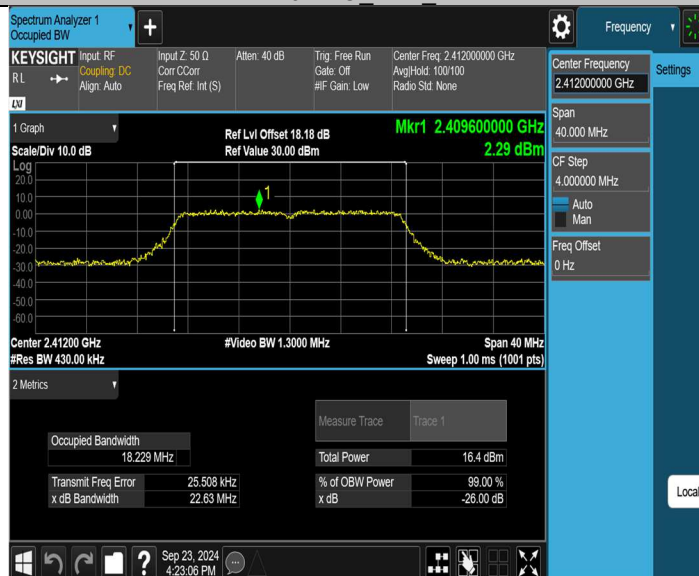
Appendix B.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.577	2405.2309	2418.8079	---	PASS
		2437	13.535	2430.2167	2443.7517	---	PASS
		2462	13.493	2455.2402	2468.7332	---	PASS
11G	Ant1	2412	17.255	2403.3519	2420.6069	---	PASS
		2437	17.202	2428.4148	2445.6168	---	PASS
		2462	17.245	2453.3896	2470.6346	---	PASS
11N20SISO	Ant1	2412	18.229	2402.9110	2421.1400	---	PASS
		2437	18.249	2427.8782	2446.1272	---	PASS
		2462	18.136	2452.9112	2471.0472	---	PASS
11N40SISO	Ant1	2422	36.466	2403.7894	2440.2554	---	PASS
		2437	36.500	2418.8185	2455.3185	---	PASS
		2452	36.498	2433.7846	2470.2826	---	PASS

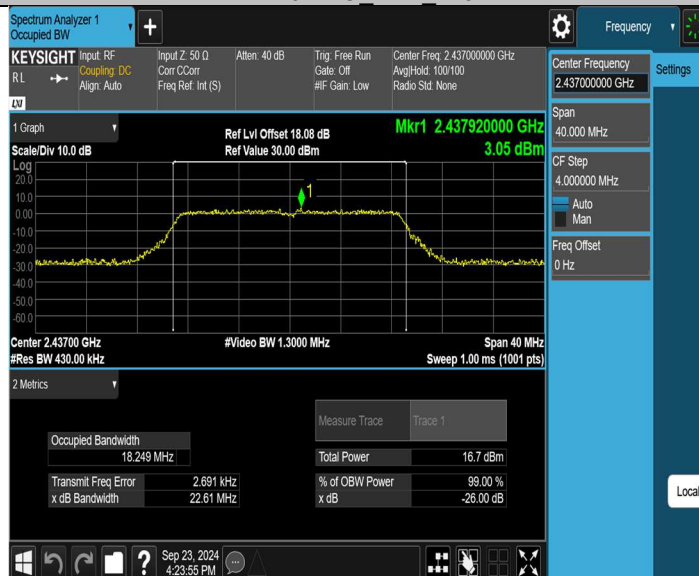




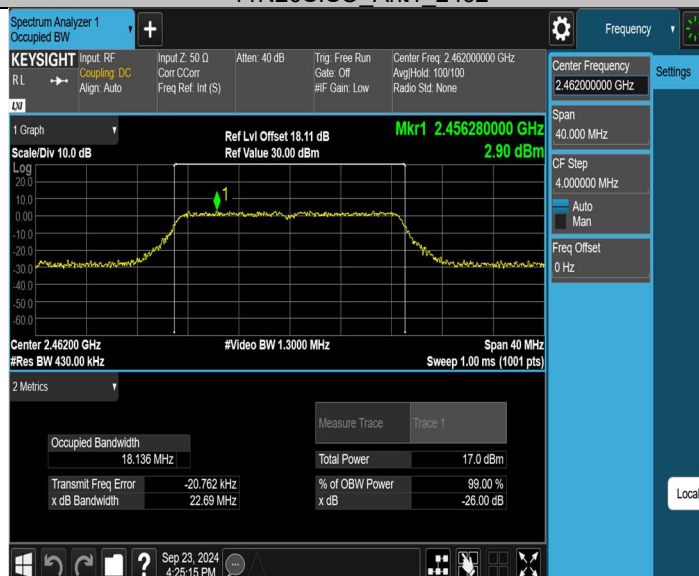
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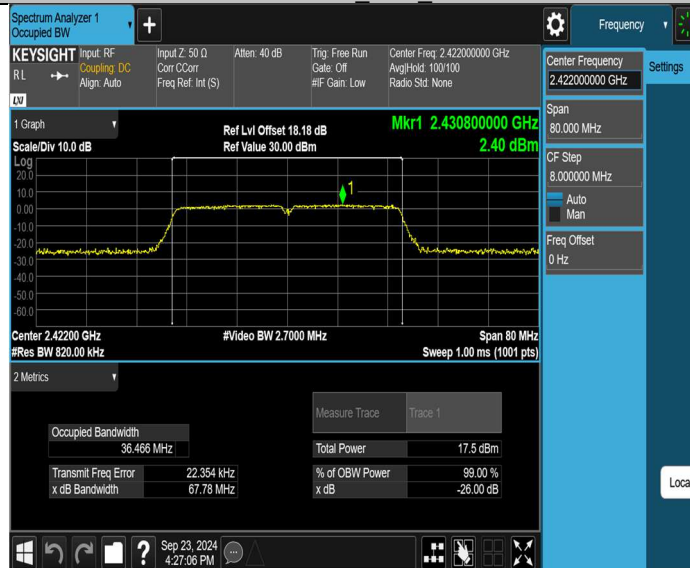
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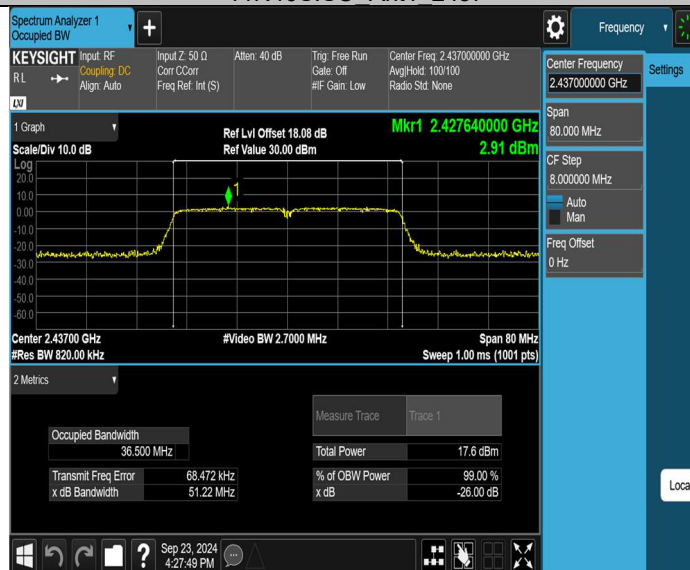
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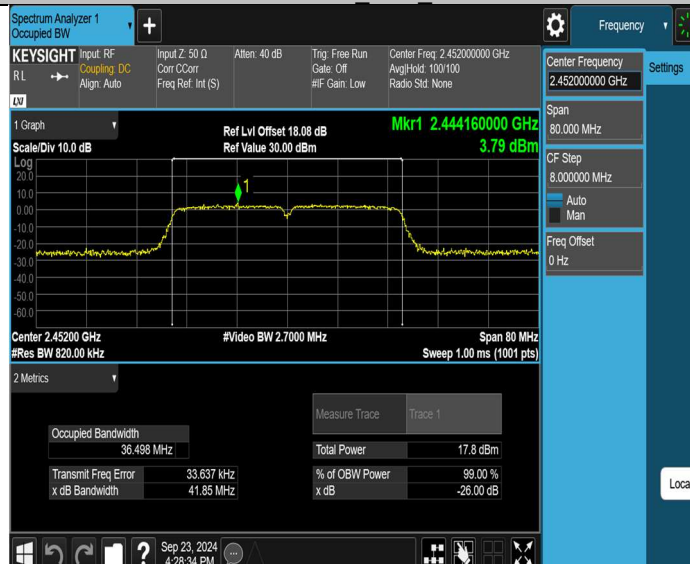
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



Appendix B.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	11.16	-35.67	≤-8.84	PASS
		High	2462	11.84	-38.97	≤-8.16	PASS
11G	Ant1	Low	2412	2.81	-32.21	≤-17.19	PASS
		High	2462	3.16	-37.29	≤-16.84	PASS
11N20SISO	Ant1	Low	2412	2.83	-33.83	≤-17.17	PASS
		High	2462	3.27	-37.03	≤-16.73	PASS
11N40SISO	Ant1	Low	2422	0.33	-35.12	≤-19.67	PASS
		High	2452	0.28	-36.98	≤-19.72	PASS

11B Ant1 Low 2412



11B Ant1 High 2462



11G Ant1 Low 2412



11G Ant1 High 2462



11N20SISO Ant1 Low 2412



11N20SISO Ant1 High 2462

