

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	-5.70	≤8.00	PASS
		2437	-5.52	≤8.00	PASS
		2462	-5.60	≤8.00	PASS
11G	Ant1	2412	-9.95	≤8.00	PASS
		2437	-8.81	≤8.00	PASS
		2462	-8.86	≤8.00	PASS
11N20SISO	Ant1	2412	-9.87	≤8.00	PASS
		2437	-9.11	≤8.00	PASS
		2462	-9.93	≤8.00	PASS
11N40SISO	Ant1	2422	-12.52	≤8.00	PASS
		2437	-11.91	≤8.00	PASS
		2452	-12.33	≤8.00	PASS

11B_Ant1_2412



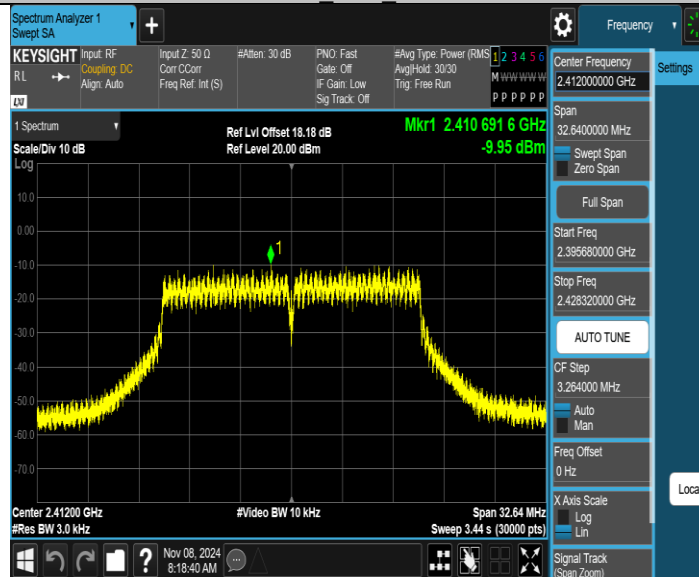
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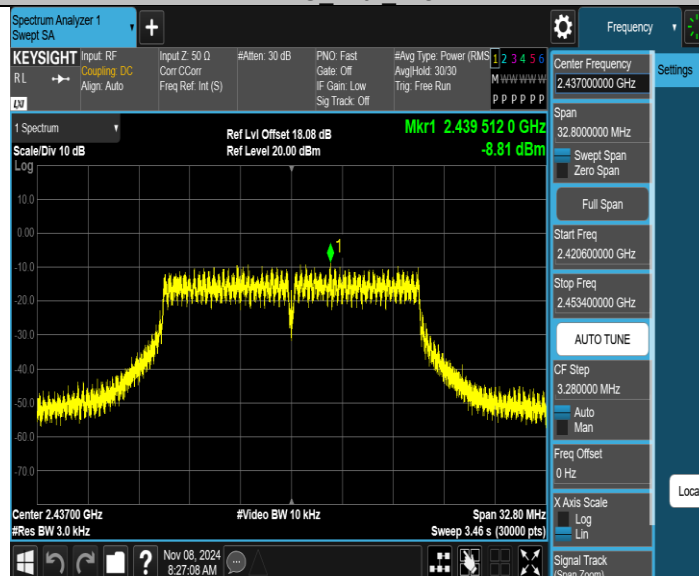
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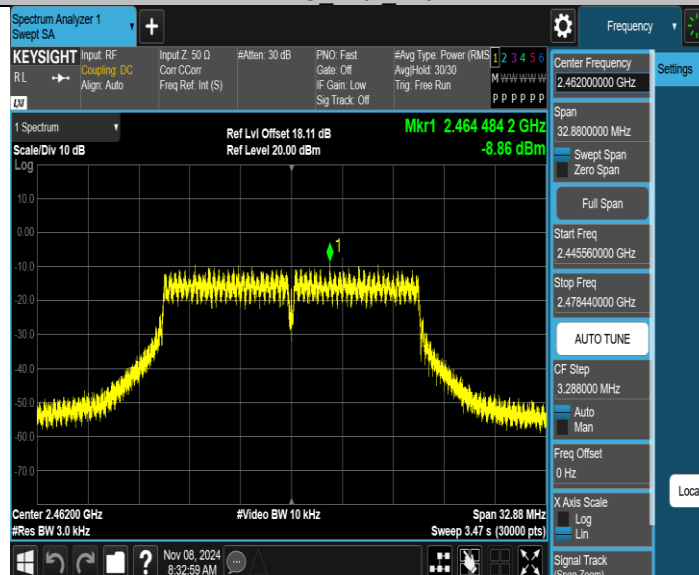
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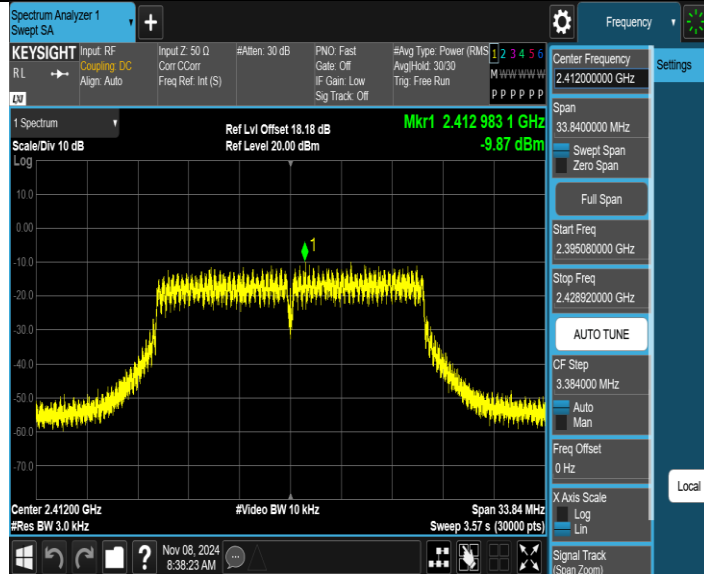
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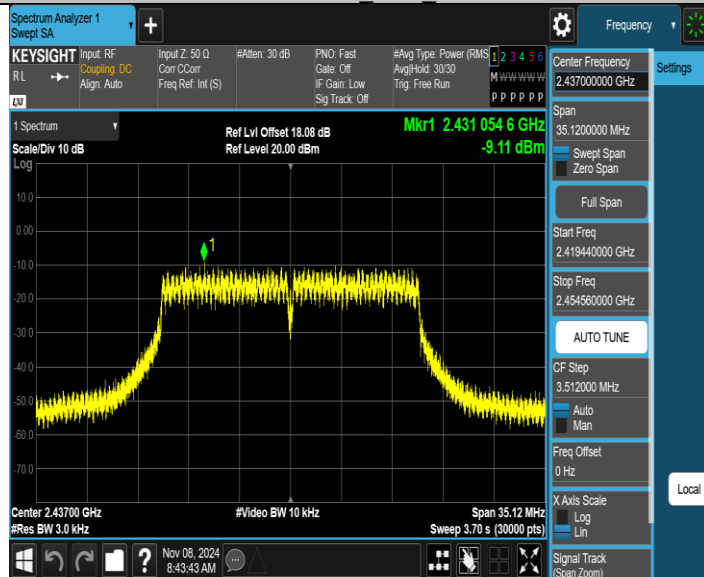
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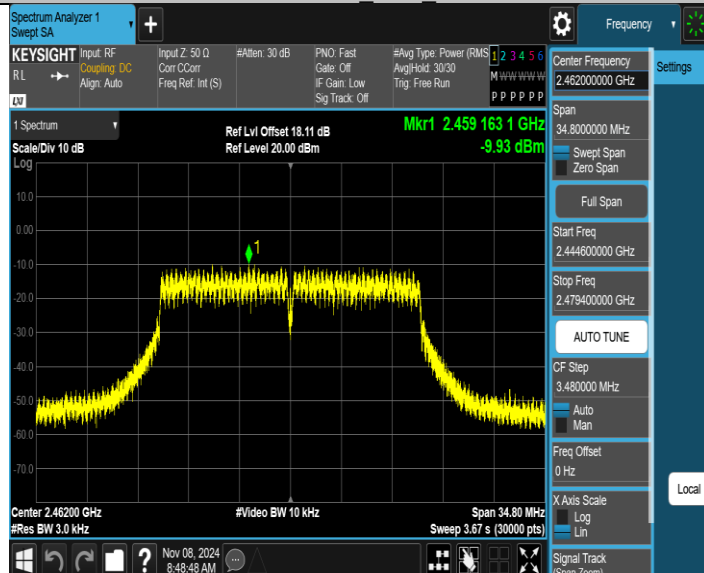
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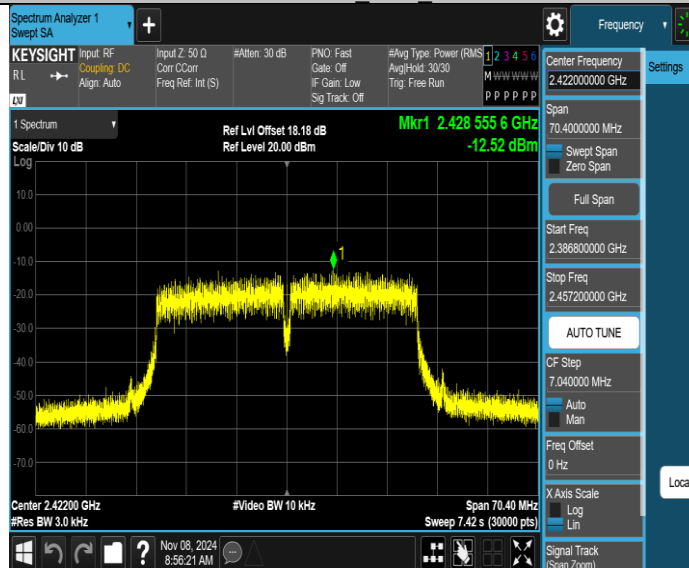
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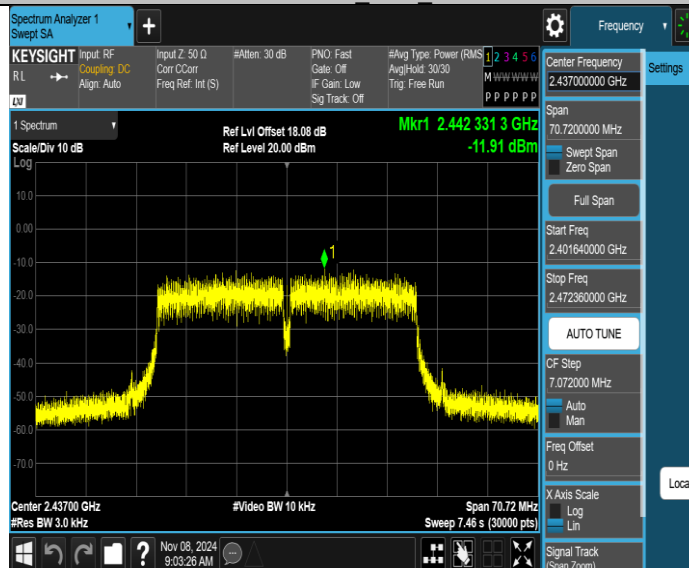
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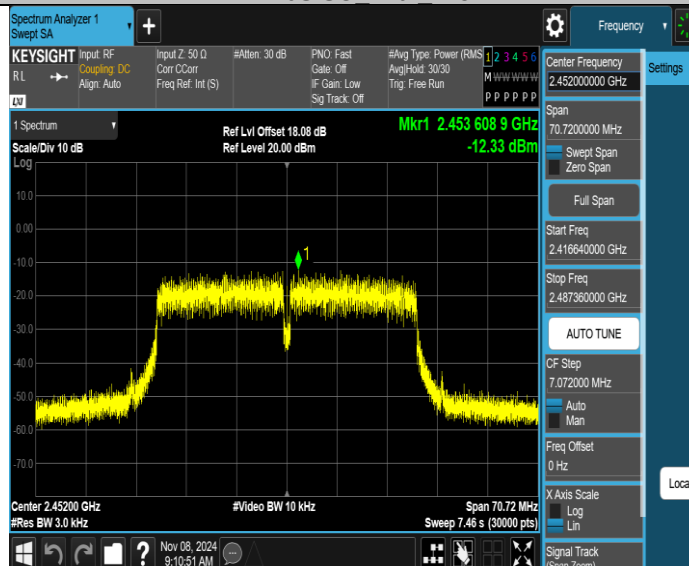
11N40SISO Ant1 2422



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	8.080	2407.960	2416.040	0.5	PASS
		2437	9.000	2432.480	2441.480	0.5	PASS
		2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.440	2453.760	2470.200	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.840	2420.760	0.5	PASS
		2437	17.560	2428.200	2445.760	0.5	PASS
		2462	17.400	2453.160	2470.560	0.5	PASS
11N40SISO	Ant1	2422	35.200	2404.560	2439.760	0.5	PASS
		2437	35.360	2419.480	2454.840	0.5	PASS
		2452	35.360	2434.240	2469.600	0.5	PASS

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



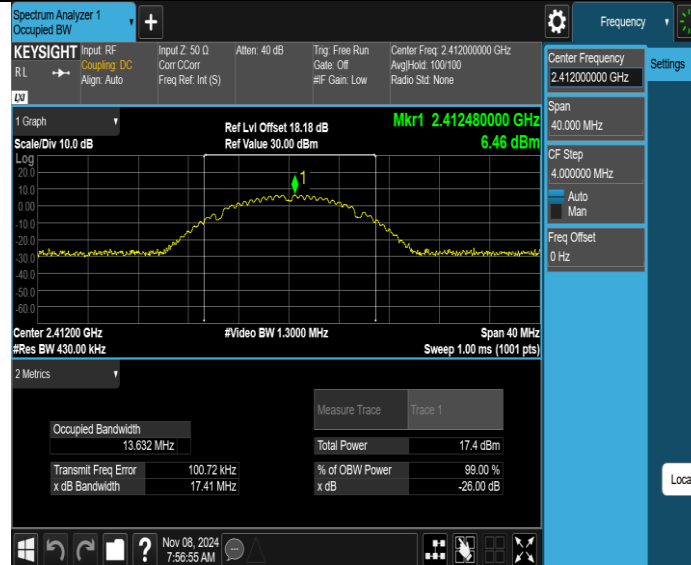
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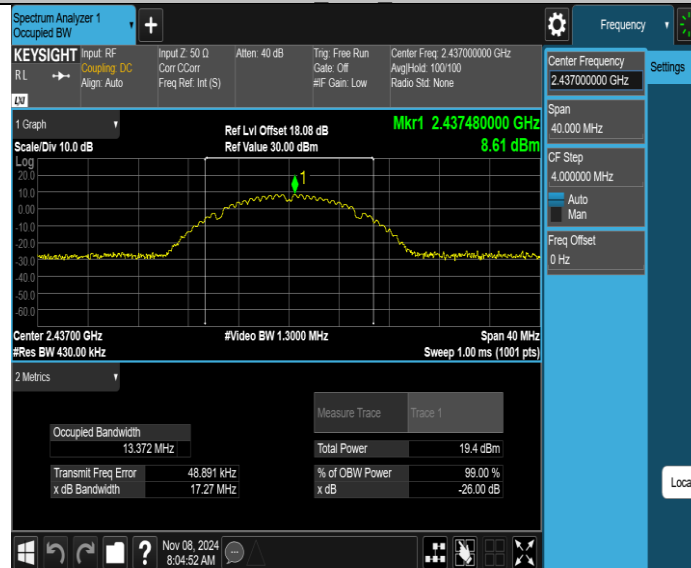
Appendix A.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.632	2405.2847	2418.9167	---	PASS
		2437	13.372	2430.3629	2443.7349	---	PASS
		2462	13.426	2455.2275	2468.6535	---	PASS
11G	Ant1	2412	17.200	2403.4889	2420.6889	---	PASS
		2437	17.178	2428.4858	2445.6638	---	PASS
		2462	17.044	2453.4228	2470.4668	---	PASS
11N20SISO	Ant1	2412	18.119	2403.0254	2421.1444	---	PASS
		2437	18.090	2427.9203	2446.0103	---	PASS
		2462	17.975	2452.9985	2470.9735	---	PASS
11N40SISO	Ant1	2422	36.374	2403.9350	2440.3090	---	PASS
		2437	36.440	2418.8301	2455.2701	---	PASS
		2452	36.450	2433.6929	2470.1429	---	PASS

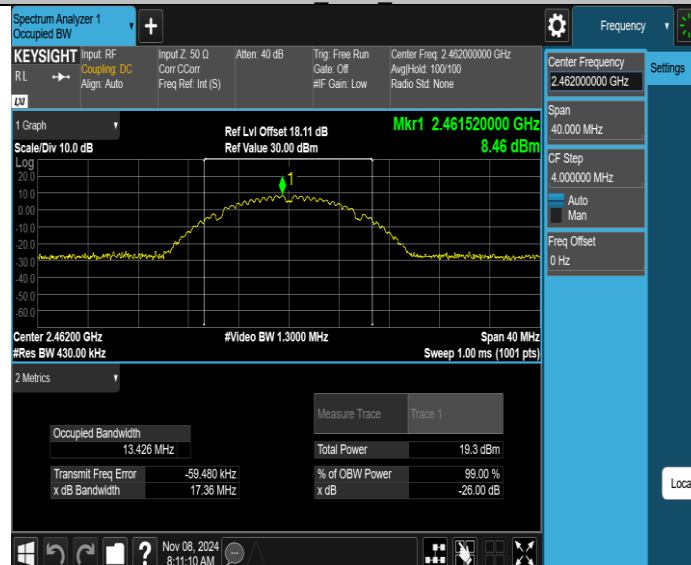
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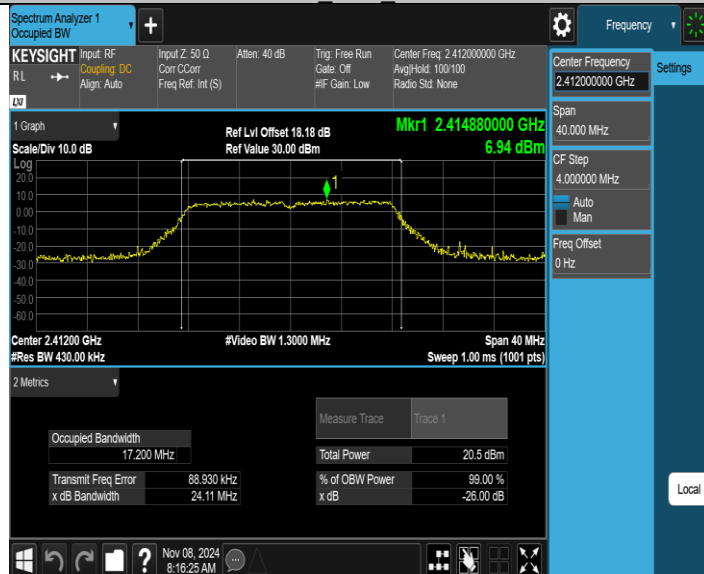
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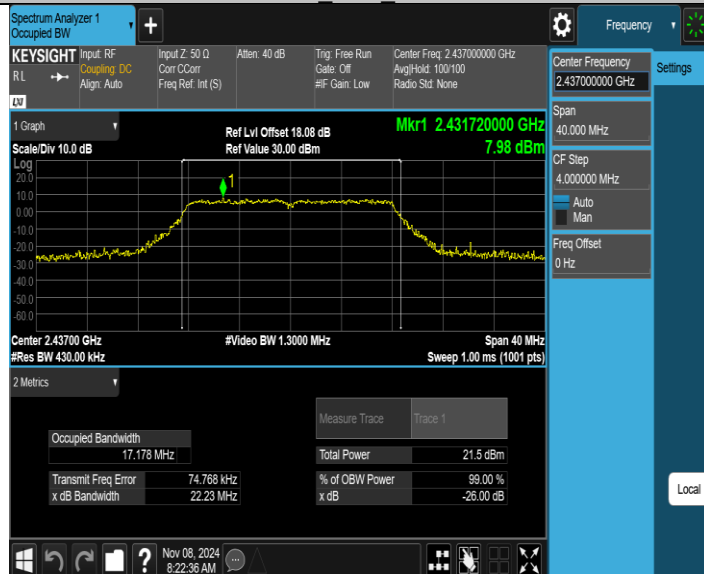
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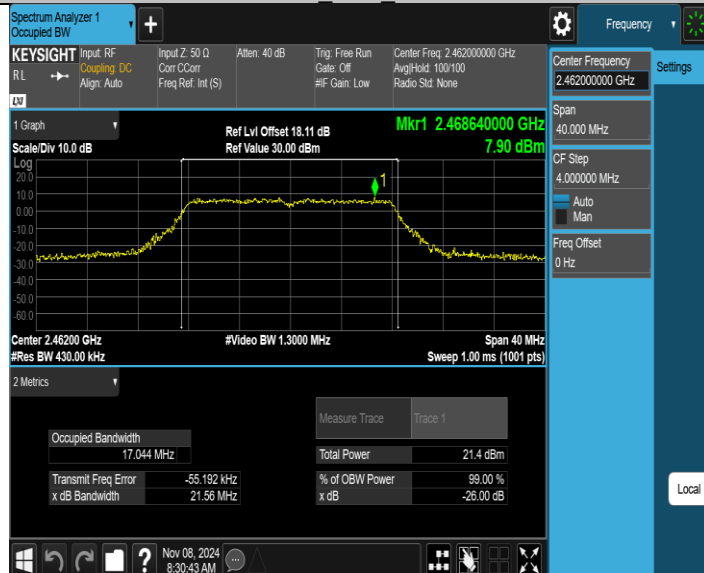
11G Ant1 2412



11G Ant1 2437

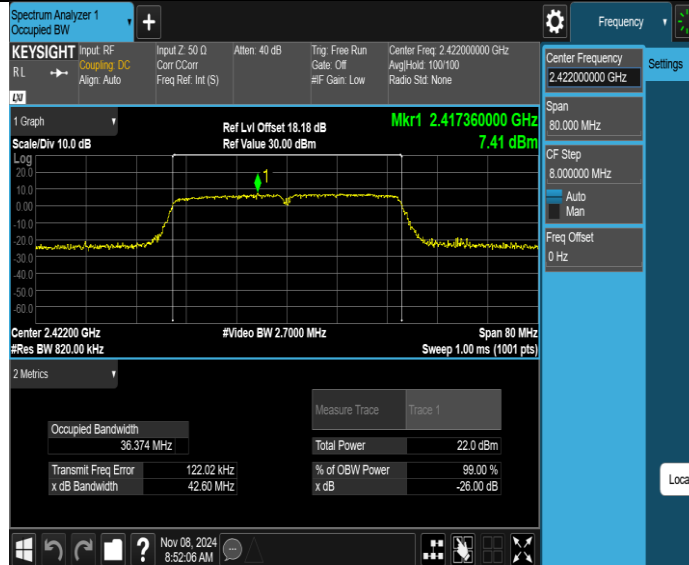


11G Ant1 2462

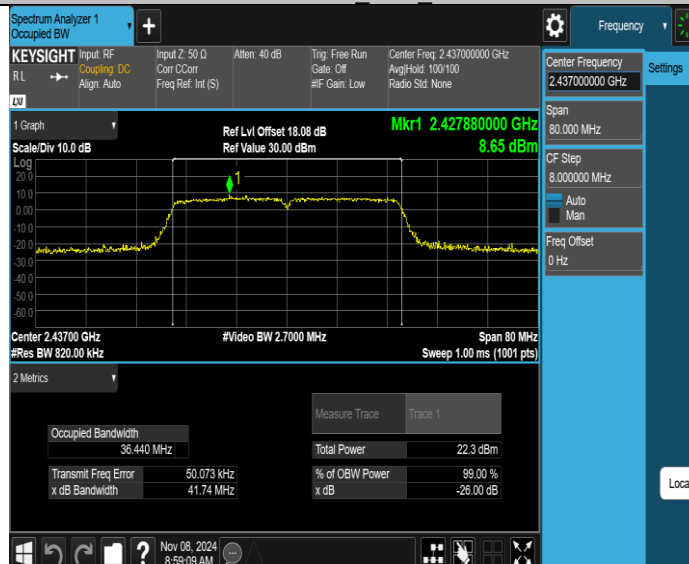




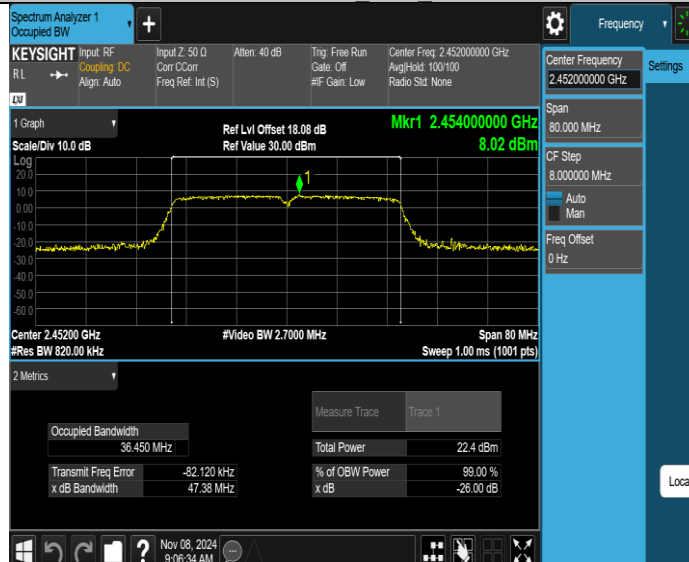
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452

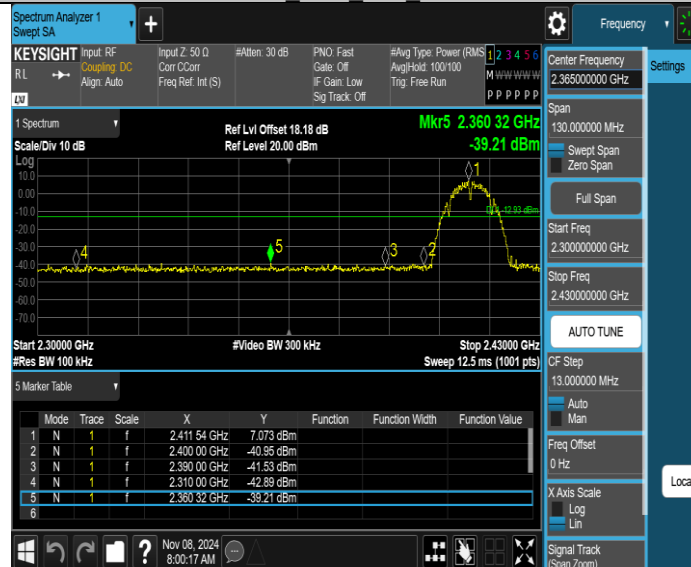


Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.07	-39.21	≤-12.93	PASS
		High	2462	8.33	-39.09	≤-11.67	PASS
11G	Ant1	Low	2412	3.29	-31.78	≤-16.71	PASS
		High	2462	4.63	-37.7	≤-15.37	PASS
11N20SISO	Ant1	Low	2412	3.34	-30.16	≤-16.67	PASS
		High	2462	4.43	-36.47	≤-15.57	PASS
11N40SISO	Ant1	Low	2422	0.73	-33.11	≤-19.28	PASS
		High	2452	1.83	-34.21	≤-18.17	PASS

11B Ant1 Low 2412



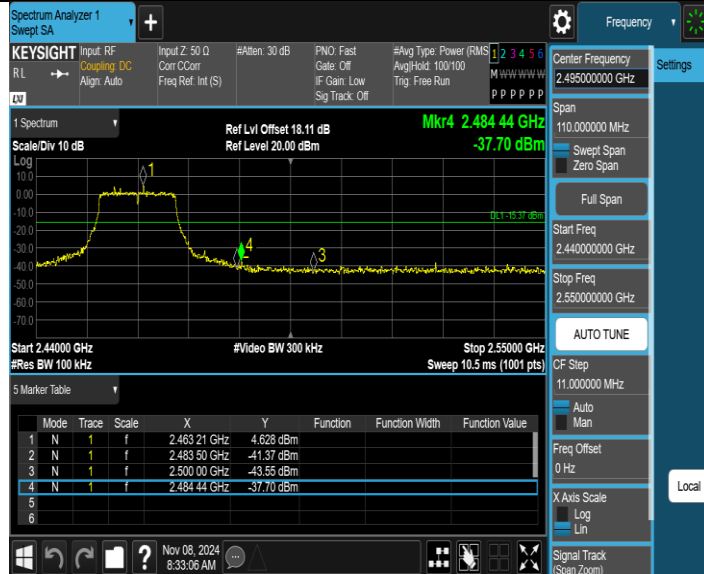
11B Ant1 High 2462



11G Ant1 Low 2412



11G Ant1 High 2462



11N20SISO Ant1 Low 2412



11N20SISO Ant1 High 2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

