

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	-5.78	≤8.00	PASS
		2437	-5.28	≤8.00	PASS
		2462	-4.46	≤8.00	PASS
11G	Ant1	2412	-9.45	≤8.00	PASS
		2437	-9.11	≤8.00	PASS
		2462	-9.02	≤8.00	PASS
11N20SISO	Ant1	2412	-9.10	≤8.00	PASS
		2437	-9.99	≤8.00	PASS
		2462	-9.21	≤8.00	PASS
11N40SISO	Ant1	2422	-12.28	≤8.00	PASS
		2437	-12.77	≤8.00	PASS
		2452	-10.26	≤8.00	PASS

11B_Ant1_2412



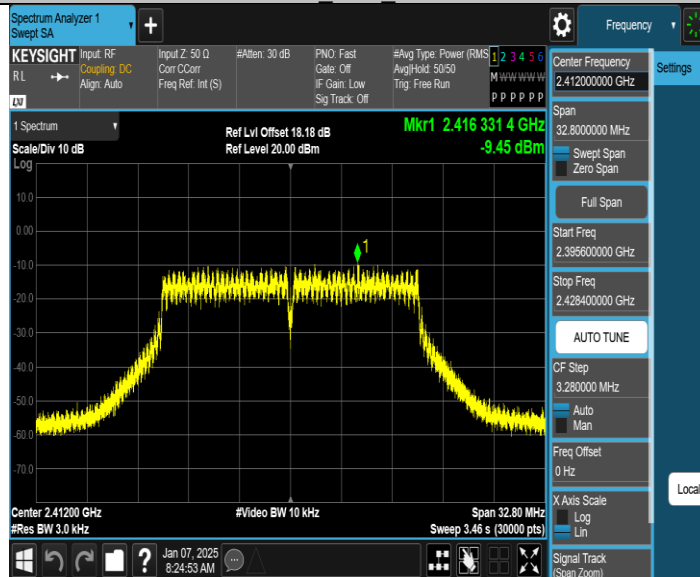
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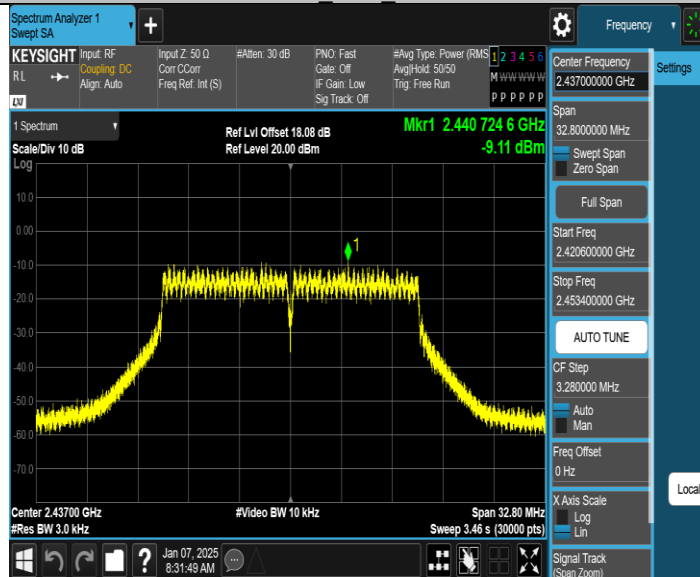
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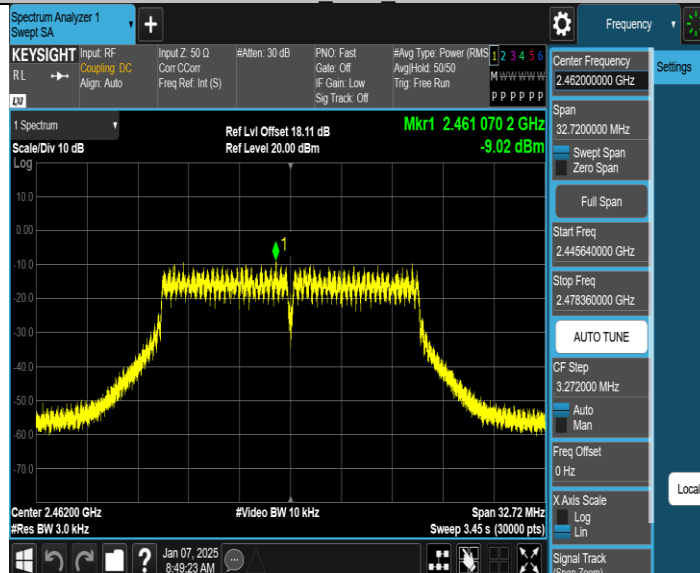
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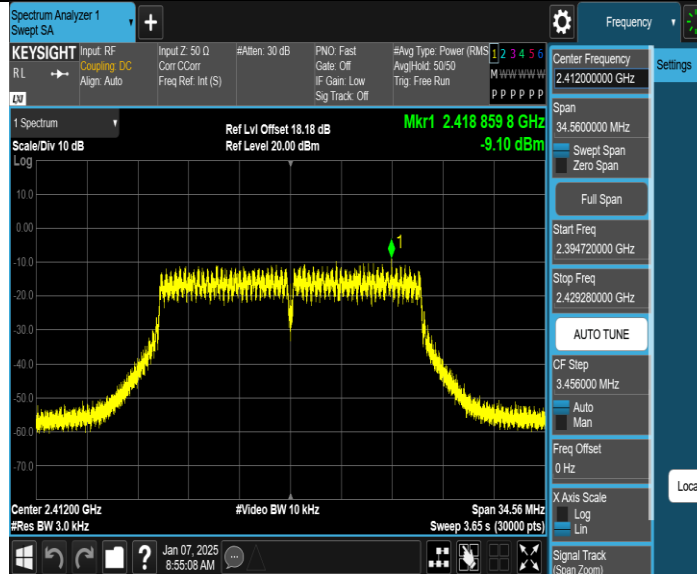
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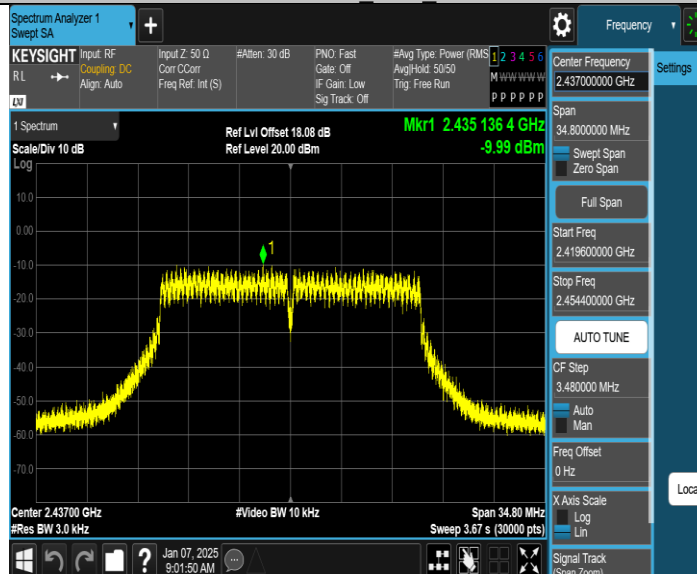
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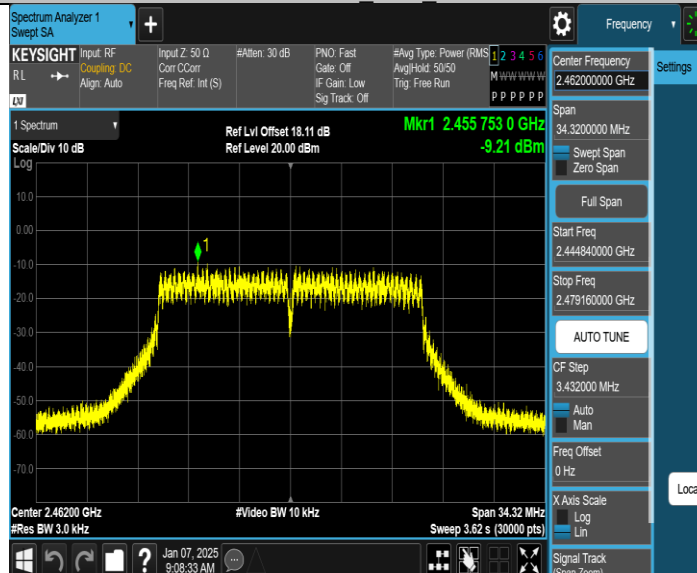
11N20SISO Ant1 2412



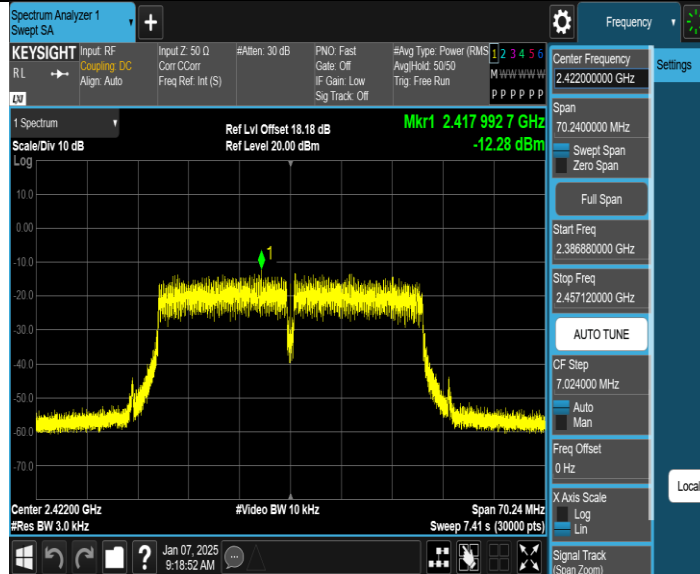
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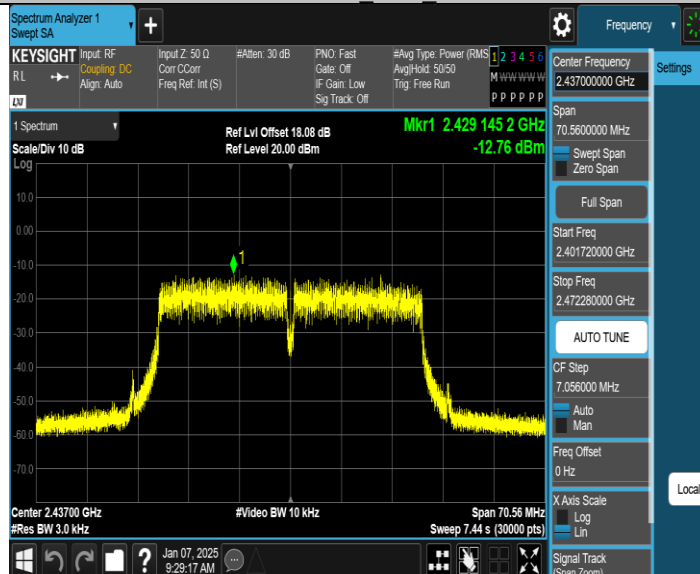
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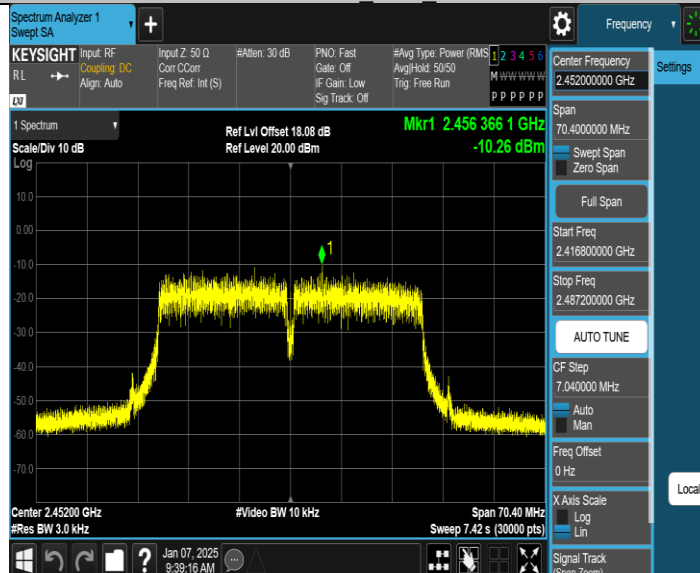
11N40SISO Ant1 2422



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	8.480	2408.000	2416.480	0.5	PASS
		2437	9.000	2432.520	2441.520	0.5	PASS
		2462	8.560	2457.960	2466.520	0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.240	2420.520	0.5	PASS
		2437	17.400	2428.200	2445.600	0.5	PASS
		2462	17.160	2453.240	2470.400	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.400	2439.520	0.5	PASS
		2437	35.280	2419.240	2454.520	0.5	PASS
		2452	35.200	2434.240	2469.440	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



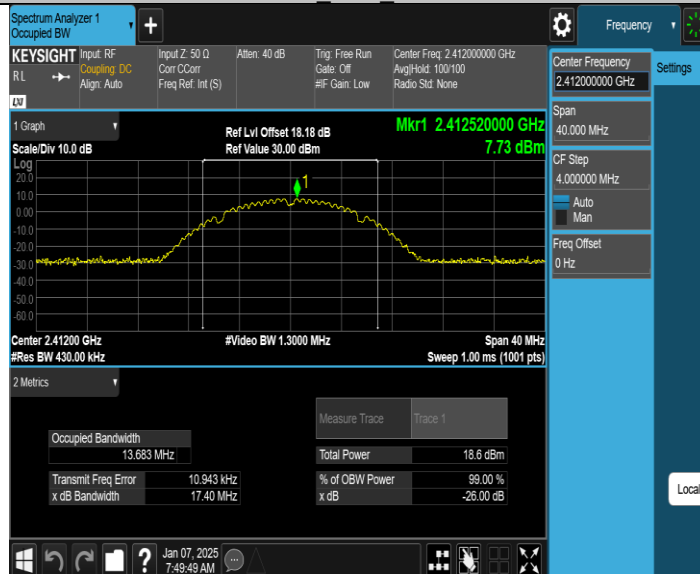
11N40SISO Ant1 2452



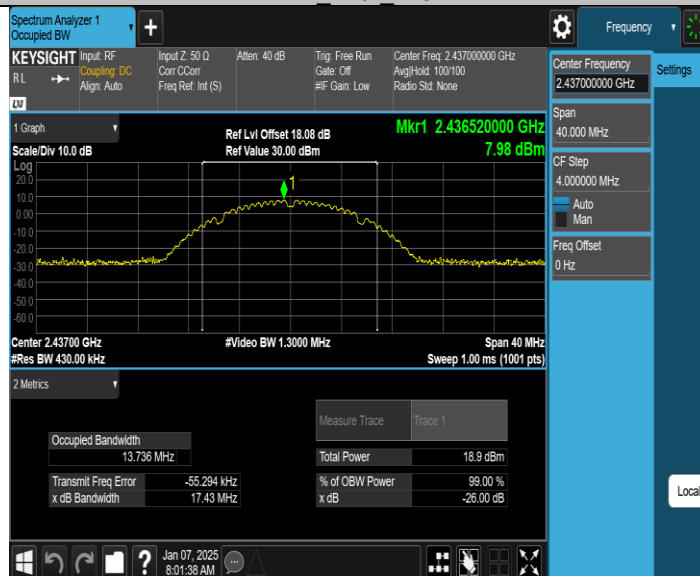
Appendix A.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.683	2405.1694	2418.8524	---	PASS
		2437	13.736	2430.0767	2443.8127	---	PASS
		2462	13.671	2455.0843	2468.7553	---	PASS
11G	Ant1	2412	16.984	2403.5502	2420.5342	---	PASS
		2437	17.047	2428.4407	2445.4877	---	PASS
		2462	17.010	2453.4184	2470.4284	---	PASS
11N20SISO	Ant1	2412	18.003	2402.9536	2420.9566	---	PASS
		2437	18.049	2427.8908	2445.9398	---	PASS
		2462	18.093	2452.9020	2470.9950	---	PASS
11N40SISO	Ant1	2422	36.308	2403.7859	2440.0939	---	PASS
		2437	36.310	2418.7367	2455.0467	---	PASS
		2452	36.363	2433.6946	2470.0576	---	PASS

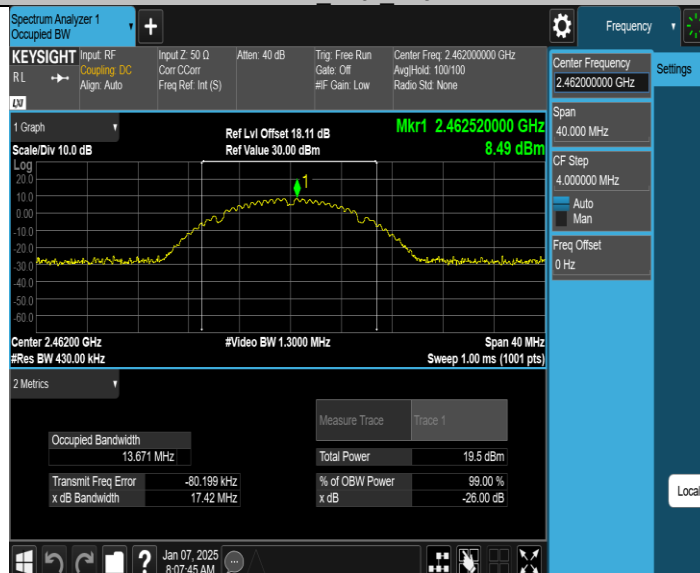
11B_Ant1_2412



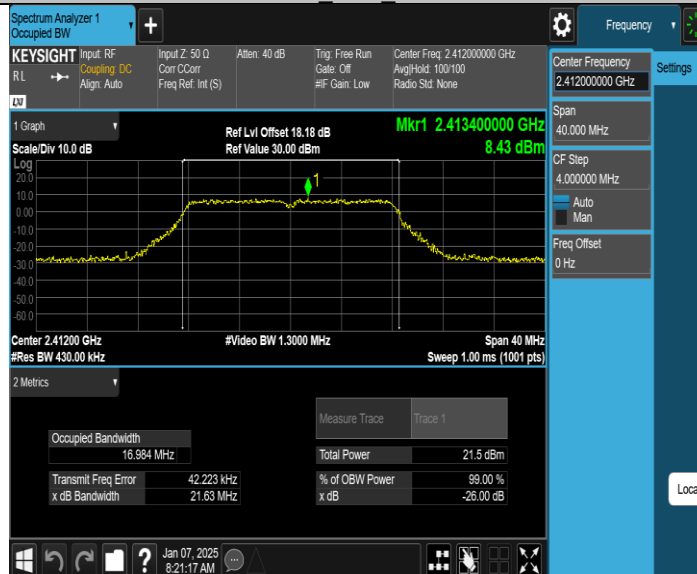
11B_Ant1_2437



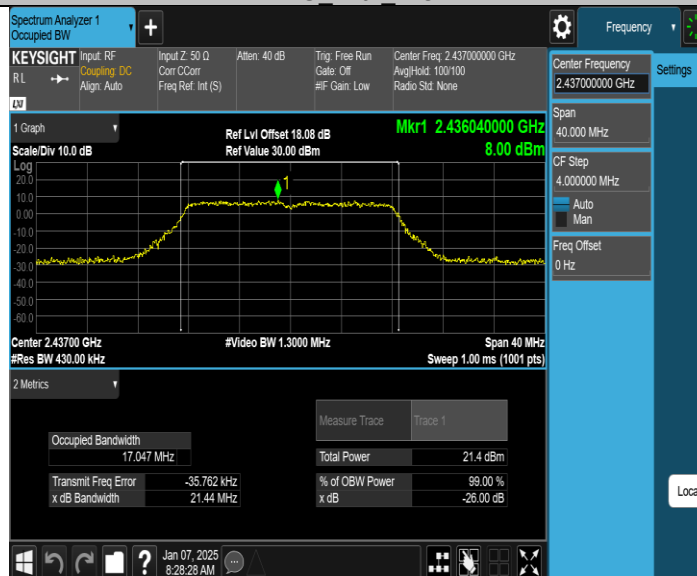
11B_Ant1_2462



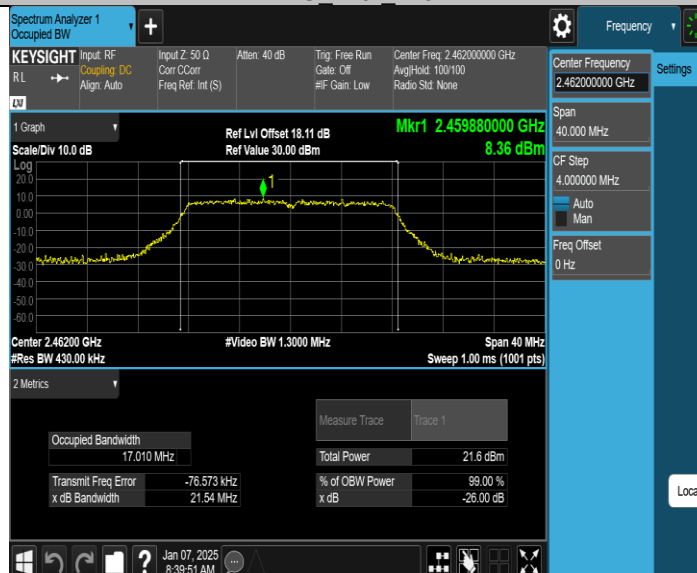
11G_Ant1_2412



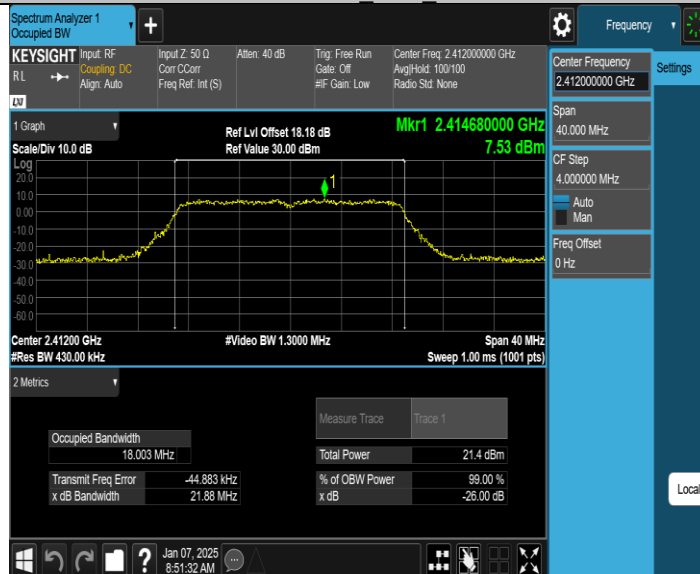
11G_Ant1_2437



11G_Ant1_2462



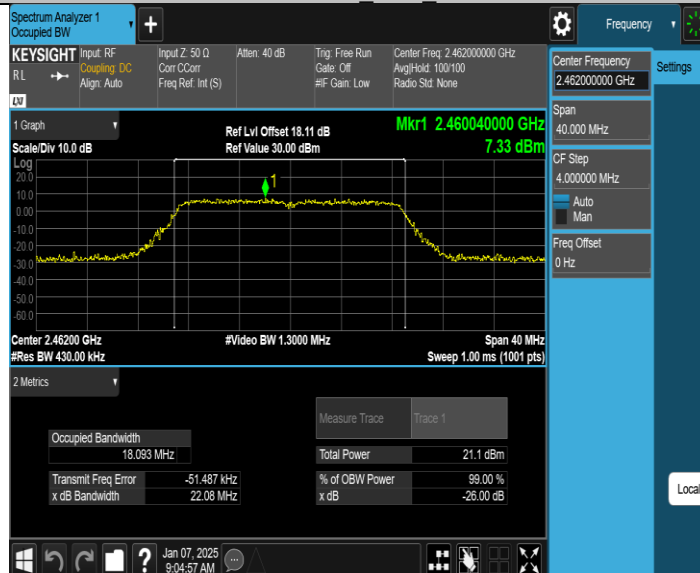
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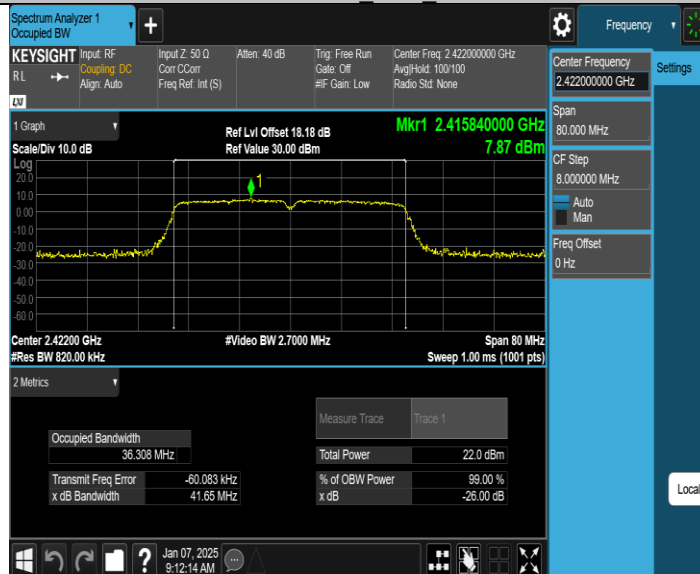
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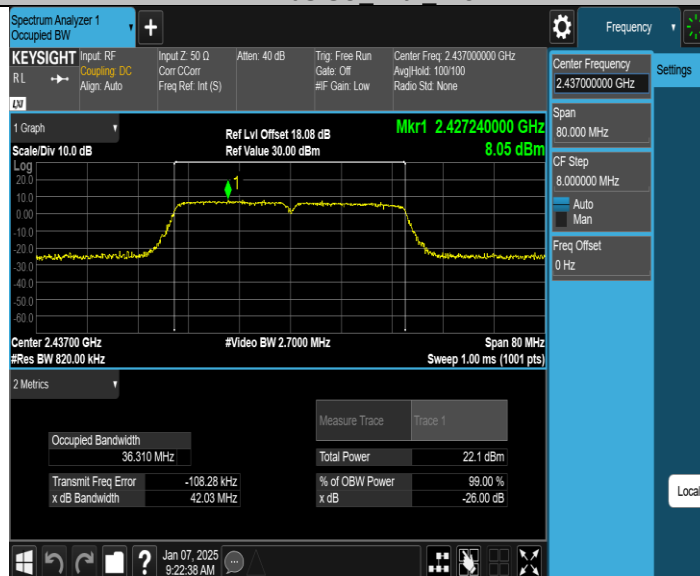
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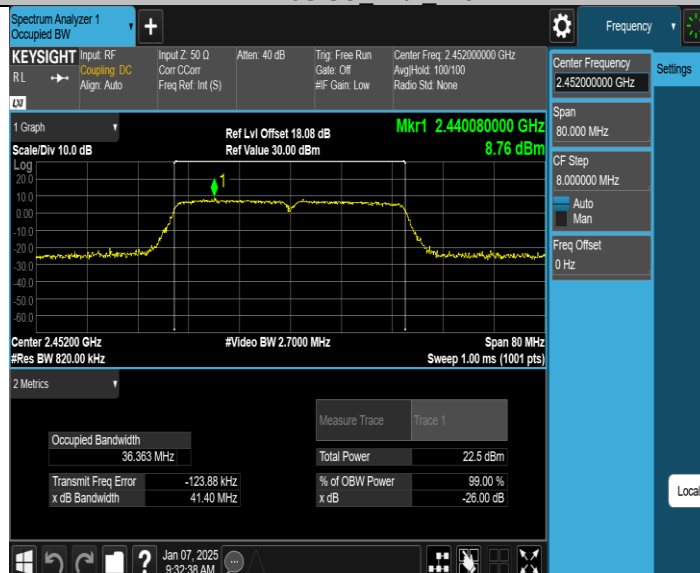
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452

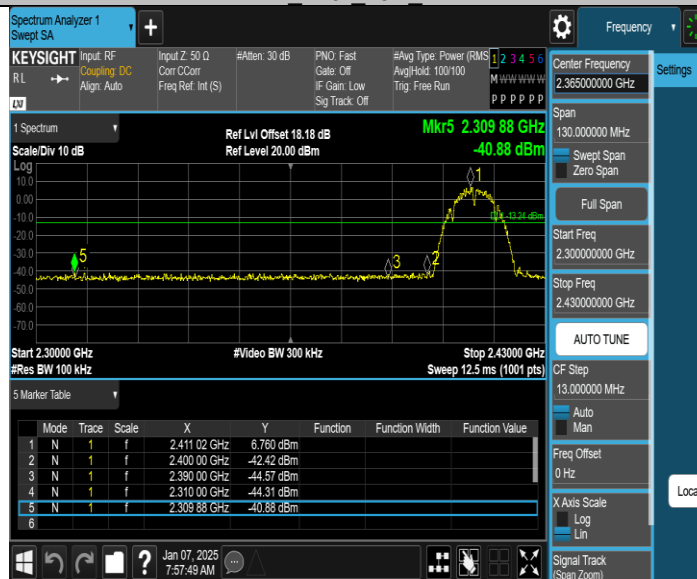


Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

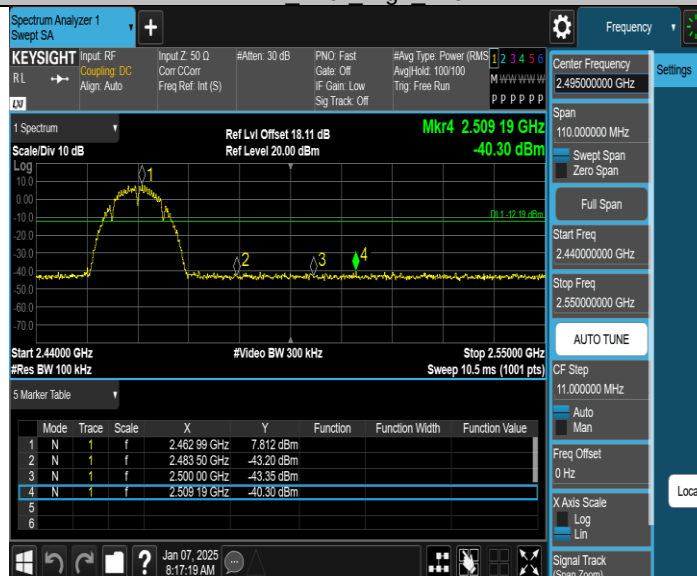
Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.76	-40.88	≤-13.24	PASS
		High	2462	7.81	-40.3	≤-12.19	PASS
11G	Ant1	Low	2412	3.96	-34.09	≤-16.04	PASS
		High	2462	4.36	-39.08	≤-15.64	PASS
11N20SISO	Ant1	Low	2412	4.43	-32.8	≤-15.58	PASS
		High	2462	4.47	-40.36	≤-15.54	PASS
11N40SISO	Ant1	Low	2422	1.30	-34.41	≤-18.71	PASS
		High	2452	1.75	-38.83	≤-18.25	PASS

11B Ant1 Low 2412



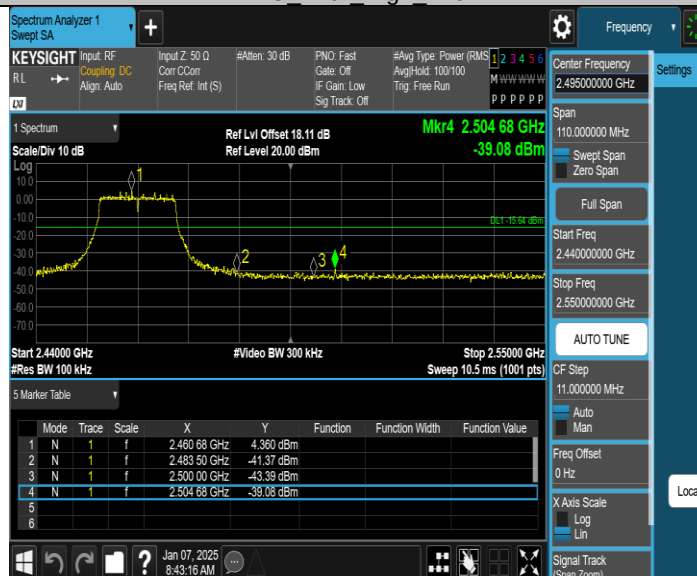
11B Ant1 High 2462



11G Ant1 Low 2412



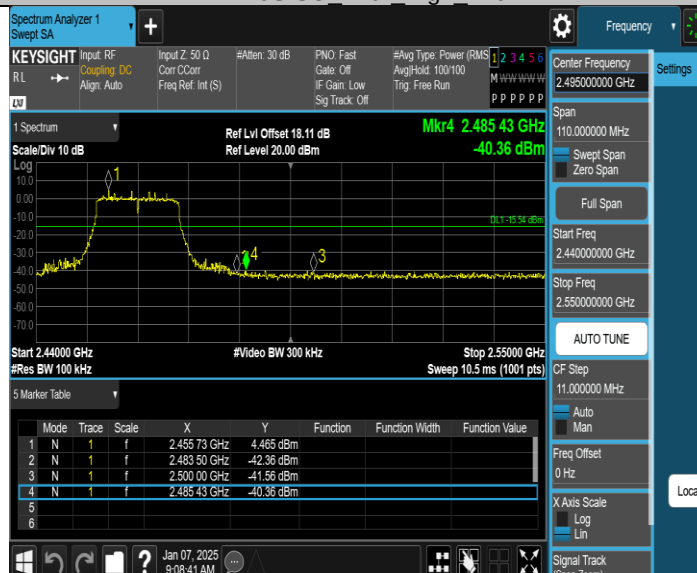
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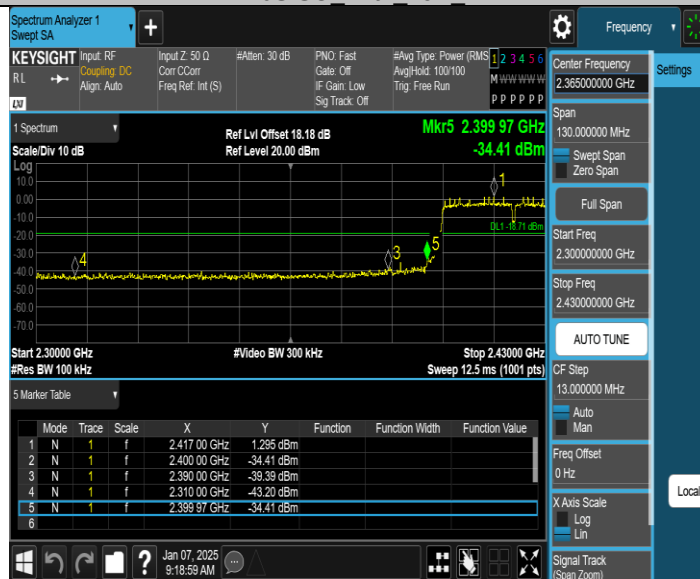
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO Ant1 Low 2422



11N40SISO Ant1 High 2452

