

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	-2.49	≤8.00	PASS
		2437	-5.12	≤8.00	PASS
		2462	-5.69	≤8.00	PASS
11G	Ant1	2412	-9.20	≤8.00	PASS
		2437	-9.14	≤8.00	PASS
		2462	-9.38	≤8.00	PASS
11N20SISO	Ant1	2412	-9.82	≤8.00	PASS
		2437	-9.73	≤8.00	PASS
		2462	-9.39	≤8.00	PASS
11N40SISO	Ant1	2422	-12.77	≤8.00	PASS
		2437	-12.64	≤8.00	PASS
		2452	-13.56	≤8.00	PASS

11B_Ant1_2412



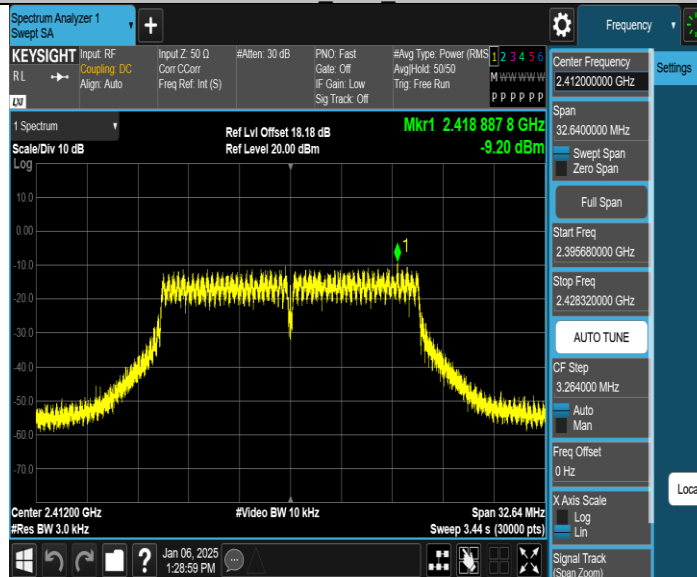
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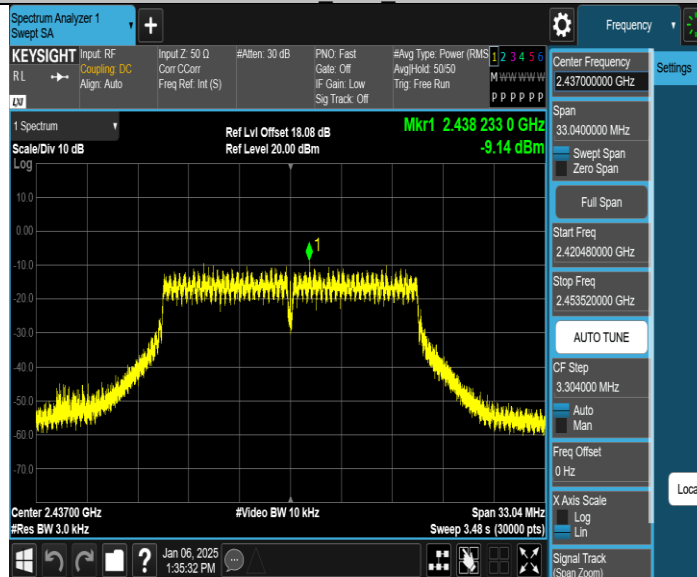
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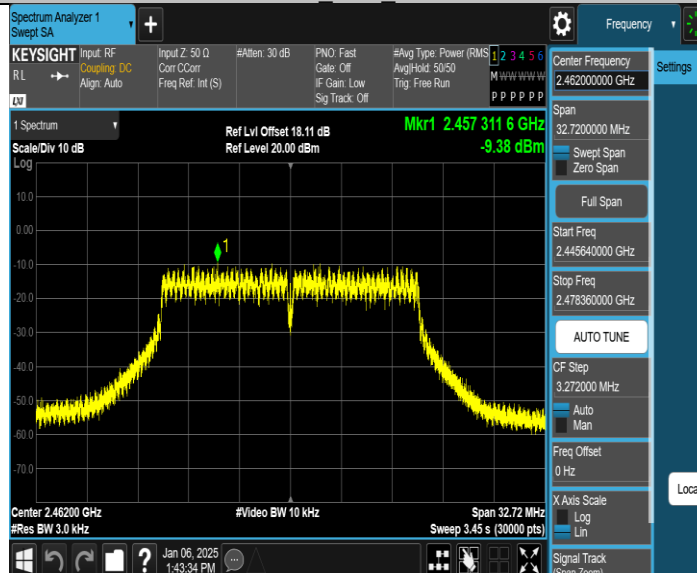
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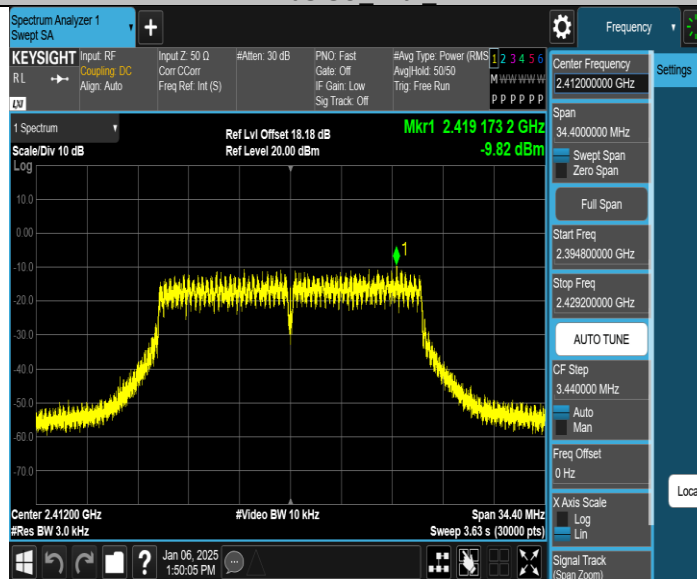
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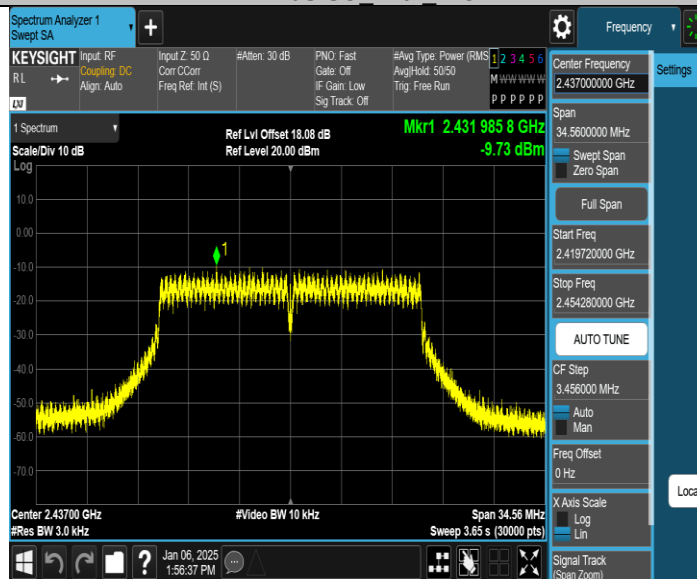
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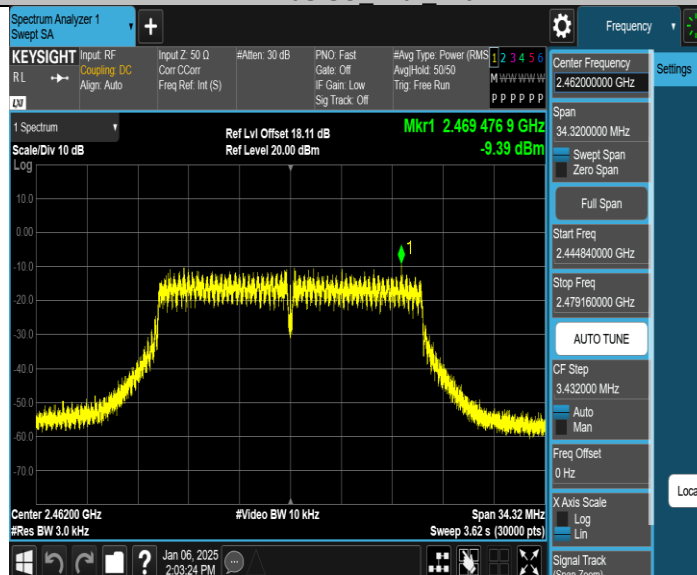
11N20SISO Ant1 2412



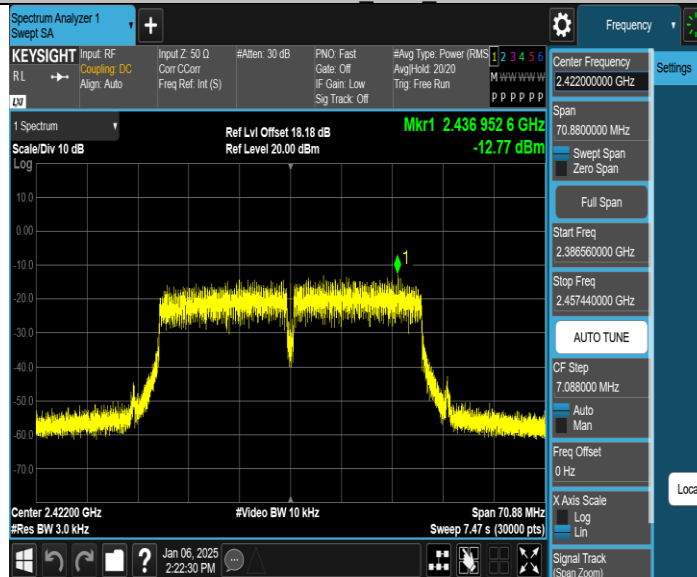
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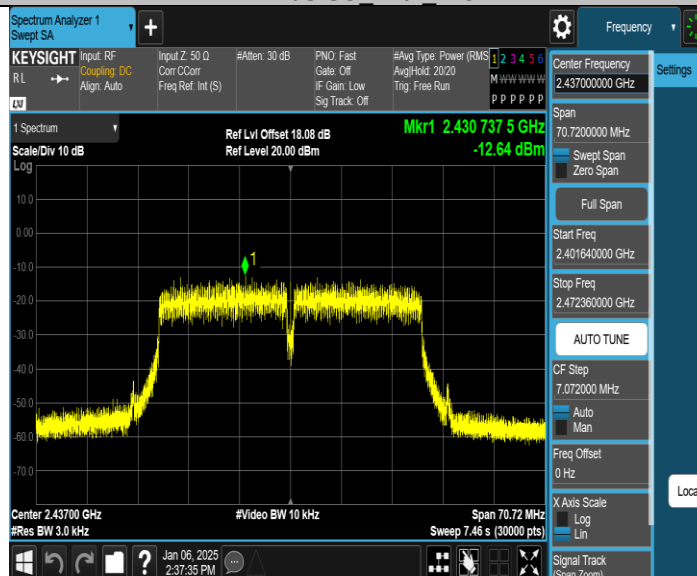
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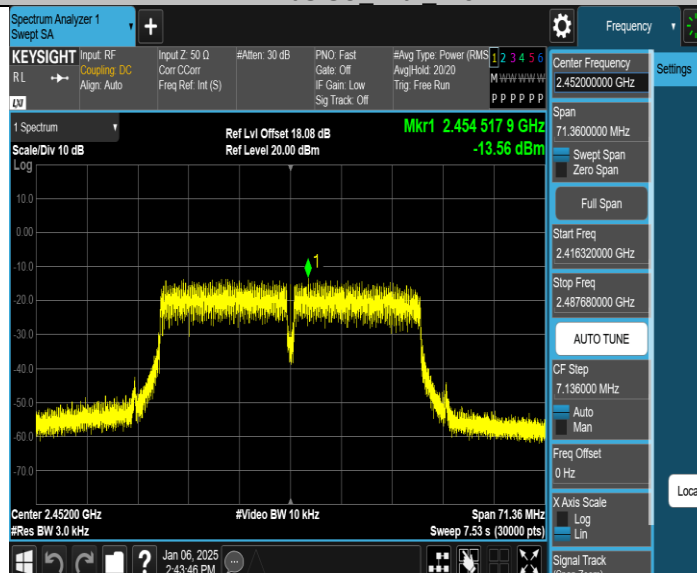
11N40SISO Ant1 2422



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	9.000	2407.480	2416.480	0.5	PASS
		2437	8.520	2432.480	2441.000	0.5	PASS
		2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.520	2428.720	2445.240	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.200	2403.560	2420.760	0.5	PASS
		2437	17.280	2428.200	2445.480	0.5	PASS
		2462	17.160	2453.240	2470.400	0.5	PASS
11N40SISO	Ant1	2422	35.440	2404.480	2439.920	0.5	PASS
		2437	35.360	2419.400	2454.760	0.5	PASS
		2452	35.680	2434.080	2469.760	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



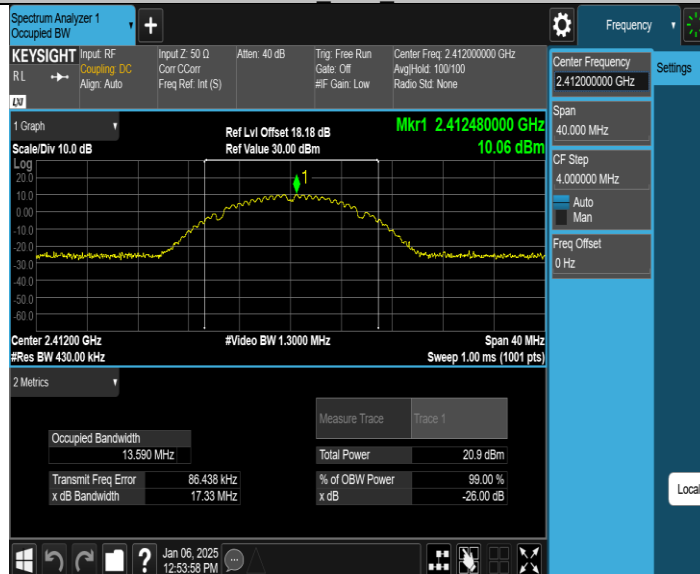
11N40SISO Ant1 2452



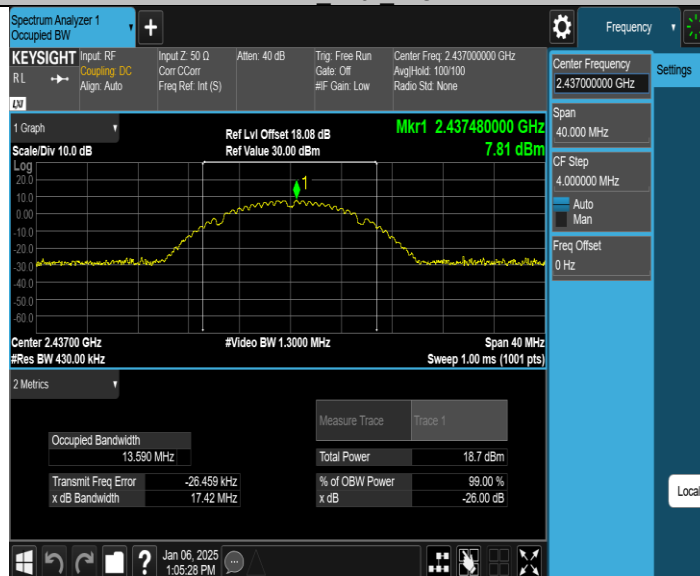
Appendix A.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.590	2405.2914	2418.8814	---	PASS
		2437	13.590	2430.1785	2443.7685	---	PASS
		2462	13.652	2455.1353	2468.7873	---	PASS
11G	Ant1	2412	17.060	2403.5449	2420.6049	---	PASS
		2437	17.114	2428.4220	2445.5360	---	PASS
		2462	17.084	2453.3897	2470.4737	---	PASS
11N20SISO	Ant1	2412	18.029	2403.0453	2421.0743	---	PASS
		2437	18.053	2427.9828	2446.0358	---	PASS
		2462	18.003	2452.9367	2470.9397	---	PASS
11N40SISO	Ant1	2422	36.297	2403.9530	2440.2500	---	PASS
		2437	36.544	2418.7800	2455.3240	---	PASS
		2452	36.402	2433.6749	2470.0769	---	PASS

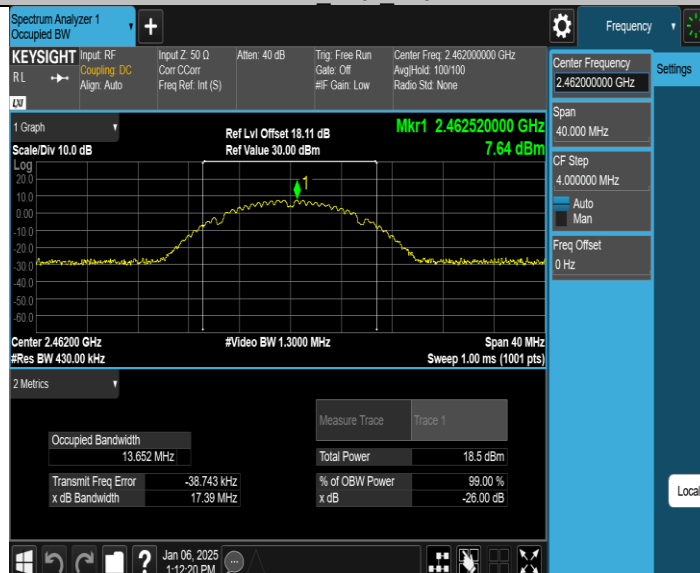
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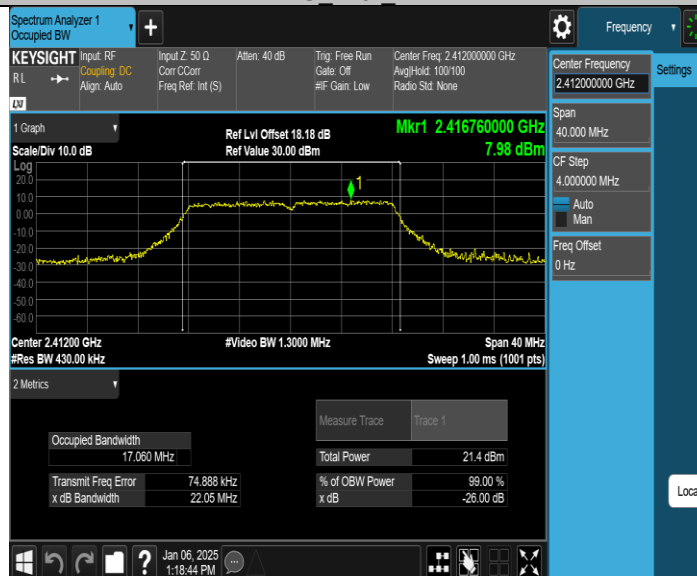
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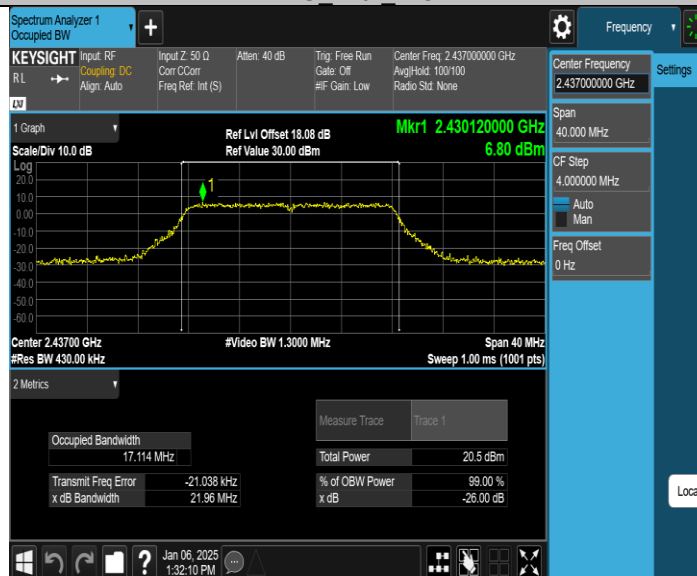
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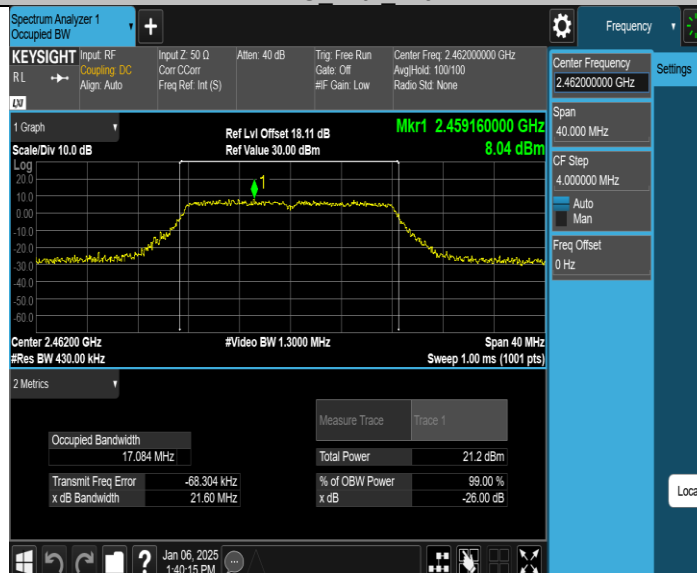
11G_Ant1_2412



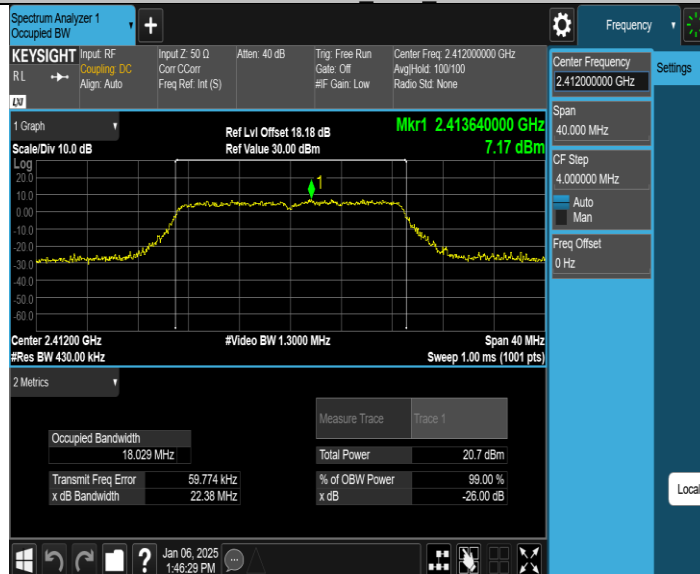
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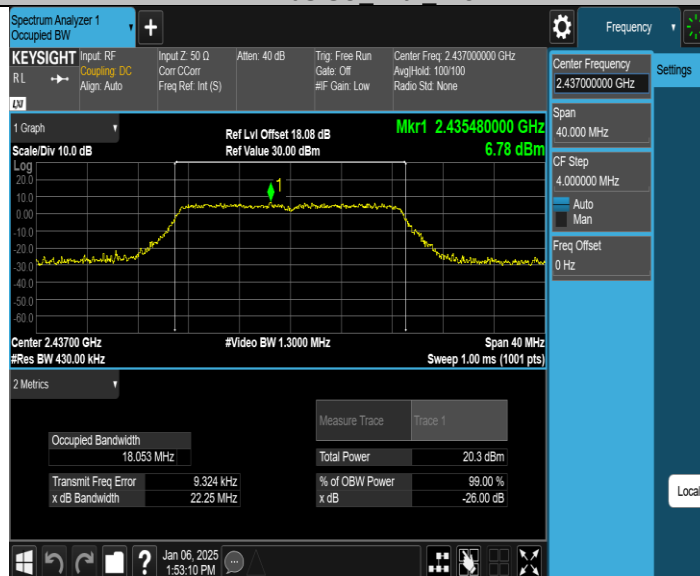
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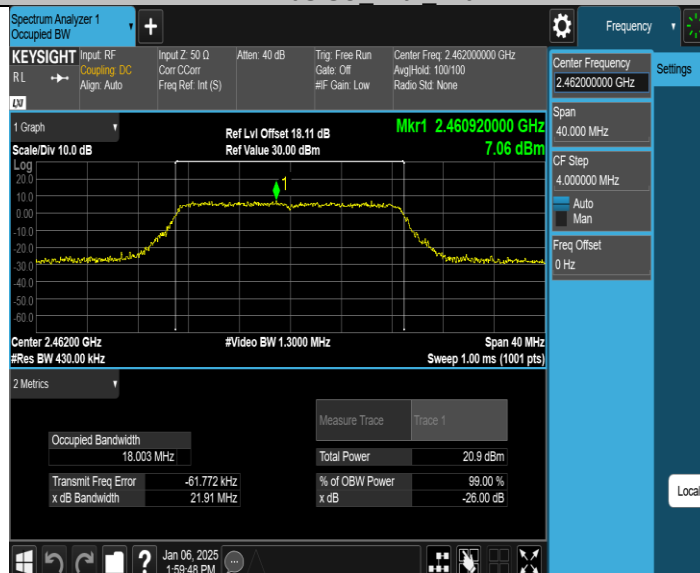
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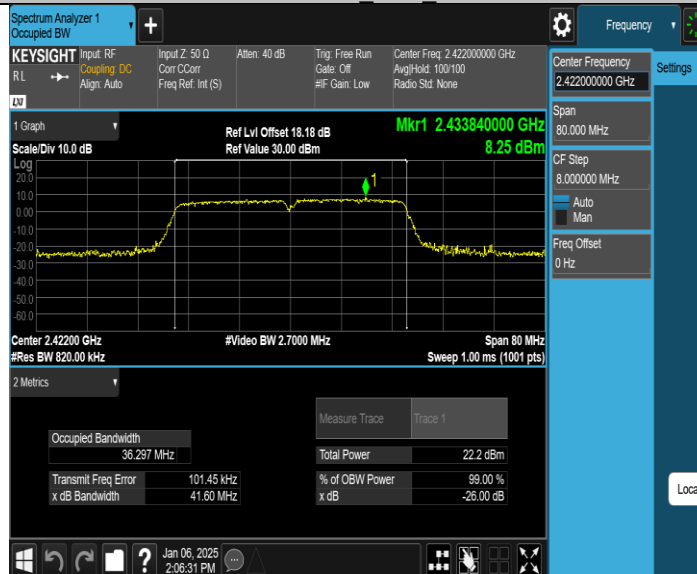
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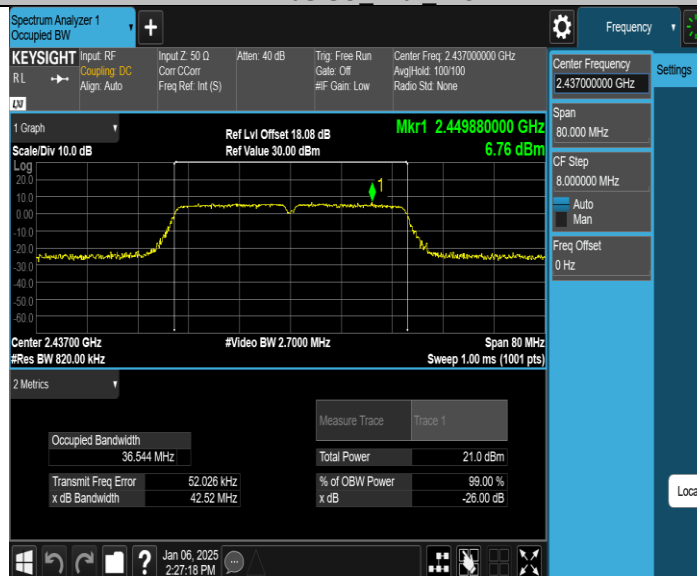
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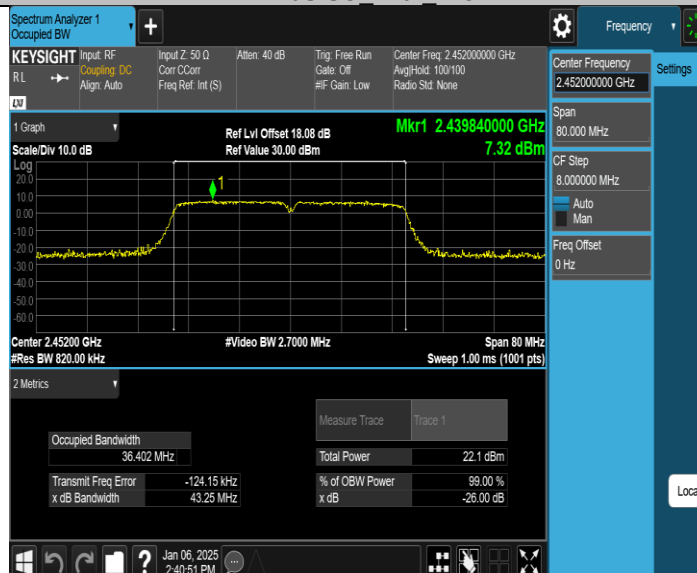
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452

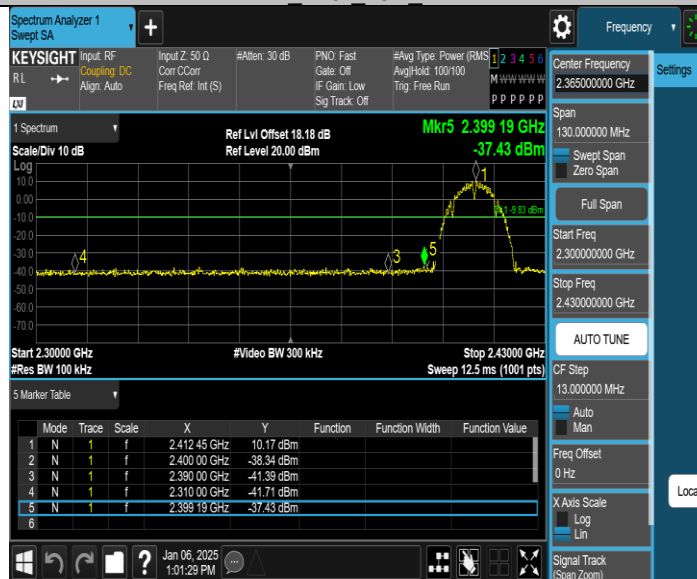


Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

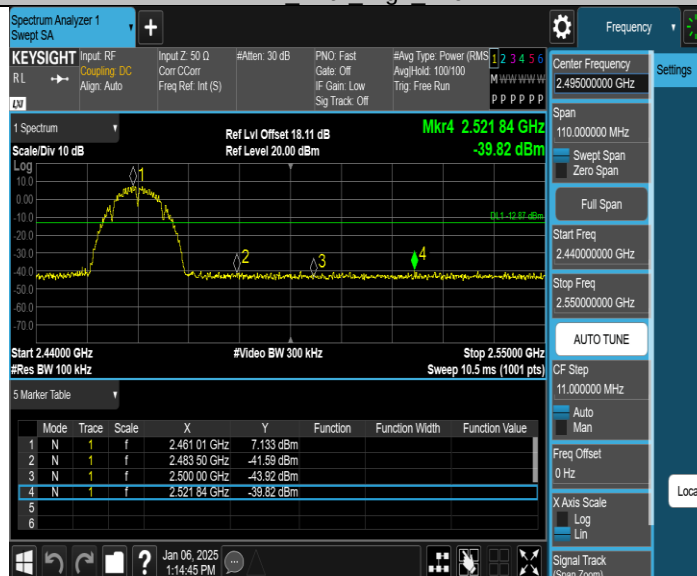
Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.17	-37.43	≤-9.83	PASS
		High	2462	7.13	-39.82	≤-12.87	PASS
11G	Ant1	Low	2412	3.84	-32.83	≤-16.16	PASS
		High	2462	4.11	-39.65	≤-15.89	PASS
11N20SISO	Ant1	Low	2412	3.55	-32.06	≤-16.45	PASS
		High	2462	3.64	-40.56	≤-16.36	PASS
11N40SISO	Ant1	Low	2422	1.10	-34.18	≤-18.9	PASS
		High	2452	1.56	-37.37	≤-18.44	PASS

11B Ant1 Low 2412



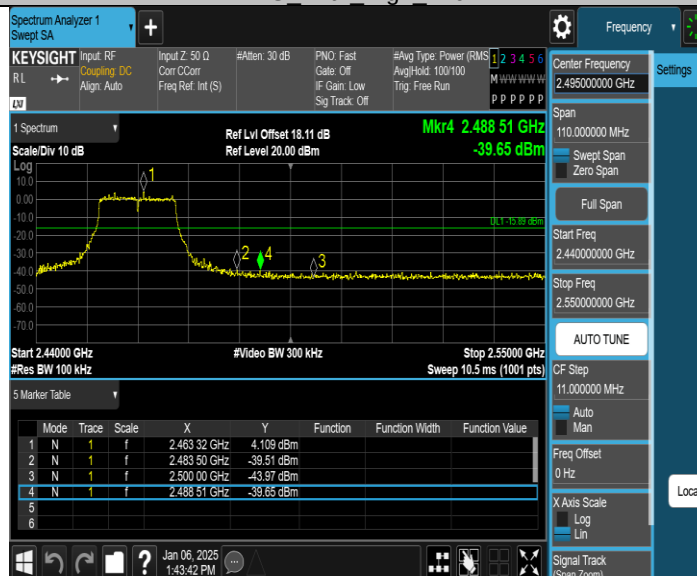
11B Ant1 High 2462



11G Ant1 Low 2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO Ant1 Low 2422



11N40SISO Ant1 High 2452

