

Appendix B: Test Results of 2.4GHz Wi-Fi

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Appendix B.1: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.200	2407.400	2416.600	0.5	PASS
		2437	9.200	2432.400	2441.600	0.5	PASS
		2462	9.200	2457.400	2466.600	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.040	2453.960	2470.000	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.120	2420.680	0.5	PASS
		2437	17.640	2428.120	2445.760	0.5	PASS
		2462	17.640	2453.120	2470.760	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.760	2440.080	0.5	PASS
		2437	36.240	2418.680	2454.920	0.5	PASS
		2452	36.400	2433.760	2470.160	0.5	PASS
11AX20SISO	Ant1	2412	18.560	2402.480	2421.040	0.5	PASS
		2437	18.760	2427.560	2446.320	0.5	PASS
		2462	18.600	2452.640	2471.240	0.5	PASS
11AX40SISO	Ant1	2422	37.360	2403.040	2440.400	0.5	PASS
		2437	37.040	2417.960	2455.000	0.5	PASS
		2452	37.760	2433.200	2470.960	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



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



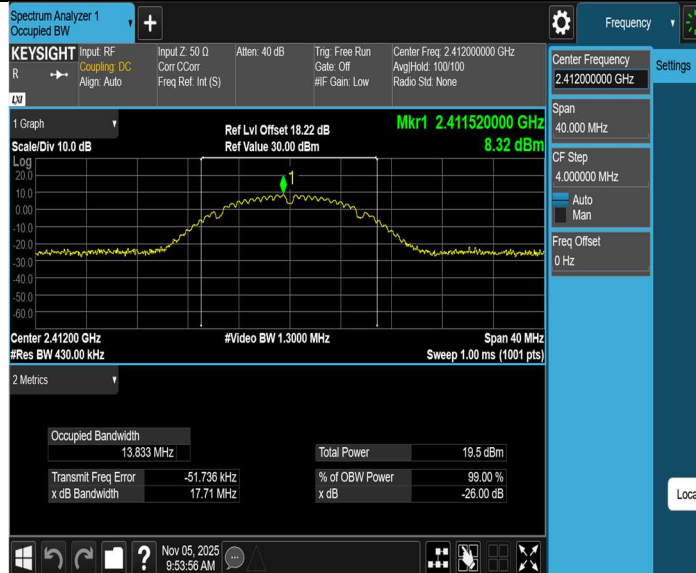
Appendix B.2: Test Results of 99% Bandwidth

Test Result

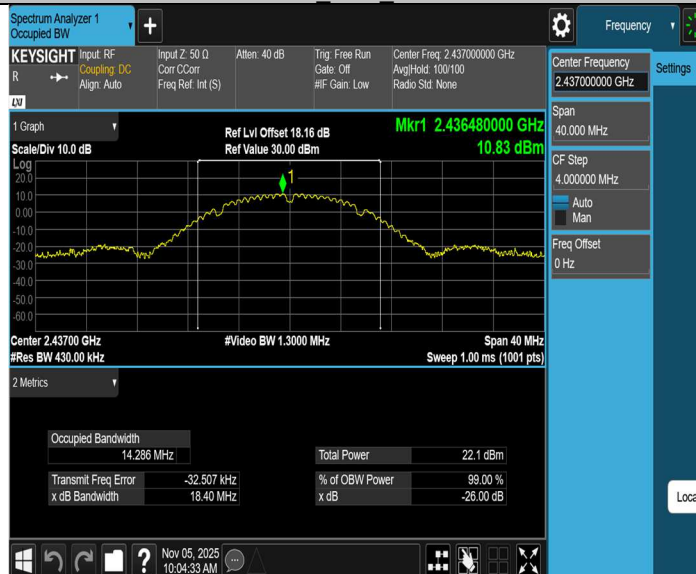
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.833	2405.0318	2418.8648	---	PASS
		2437	14.286	2429.8245	2444.1105	---	PASS
		2462	14.126	2454.9217	2469.0477	---	PASS
11G	Ant1	2412	17.574	2403.0399	2420.6139	---	PASS
		2437	17.576	2428.0401	2445.6161	---	PASS
		2462	17.431	2453.2242	2470.6552	---	PASS
11N20SISO	Ant1	2412	18.671	2402.5283	2421.1993	---	PASS
		2437	18.633	2427.5932	2446.2262	---	PASS
		2462	18.617	2452.6427	2471.2597	---	PASS
11N40SISO	Ant1	2422	37.028	2403.3432	2440.3712	---	PASS
		2437	37.158	2418.2476	2455.4056	---	PASS
		2452	37.044	2433.3479	2470.3919	---	PASS
11AX20SISO	Ant1	2412	19.327	2402.2568	2421.5838	---	PASS
		2437	19.199	2427.3439	2446.5429	---	PASS
		2462	19.272	2452.2912	2471.5632	---	PASS
11AX40SISO	Ant1	2422	38.144	2402.7862	2440.9302	---	PASS
		2437	38.127	2417.8436	2455.9706	---	PASS
		2452	38.237	2432.7689	2471.0059	---	PASS

Test Graphs

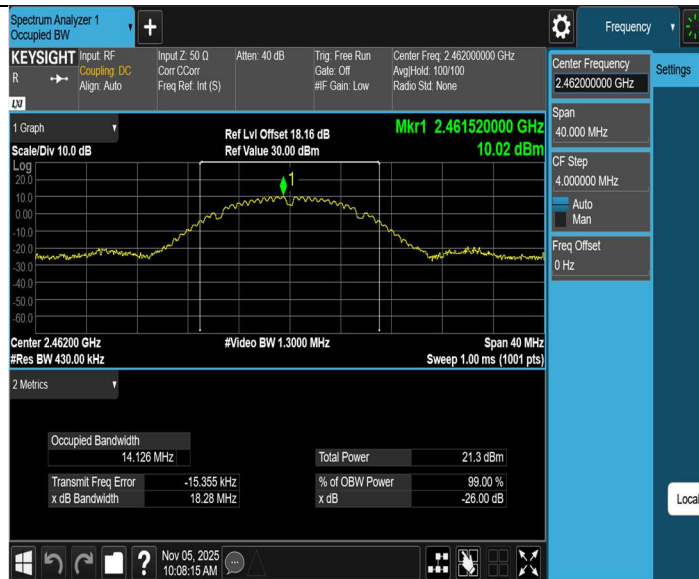
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



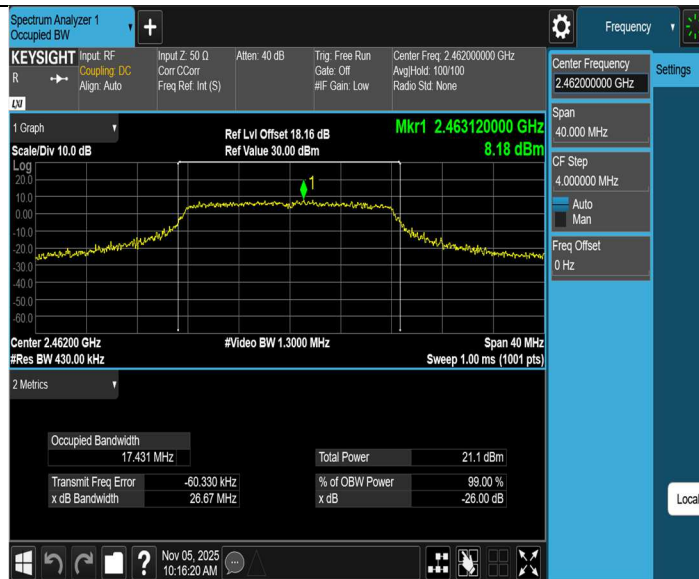
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



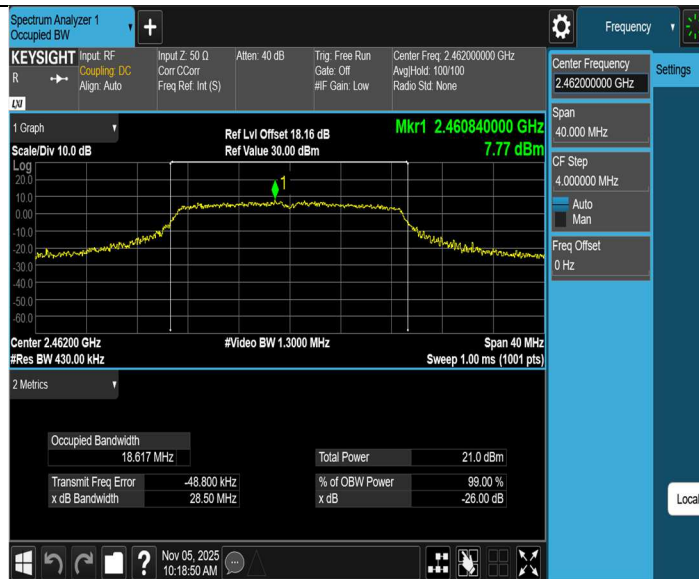
11N20SISO Ant1 2412



11N20SISO Ant1 2437



11N20SISO Ant1 2462



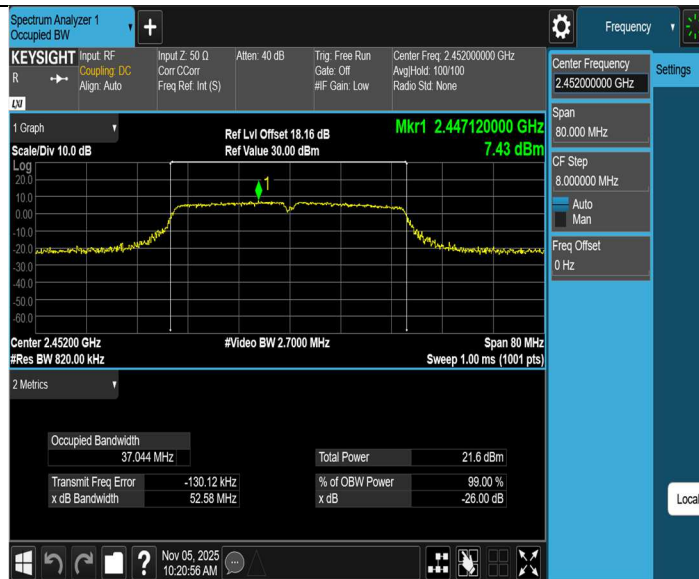
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



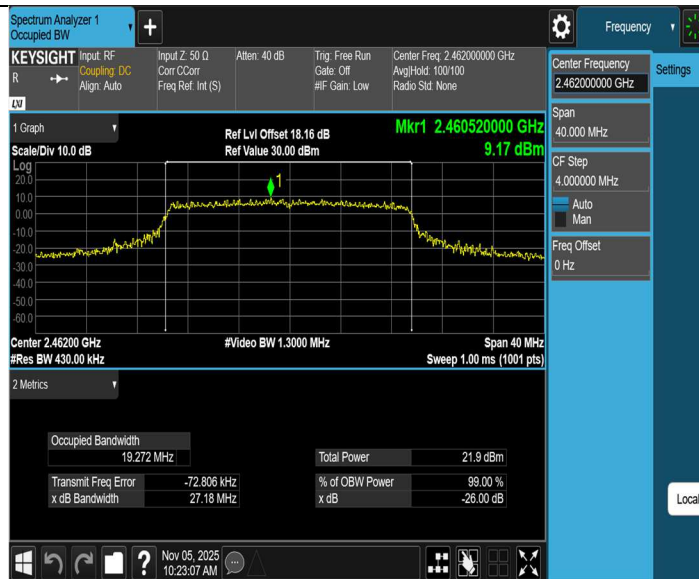
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



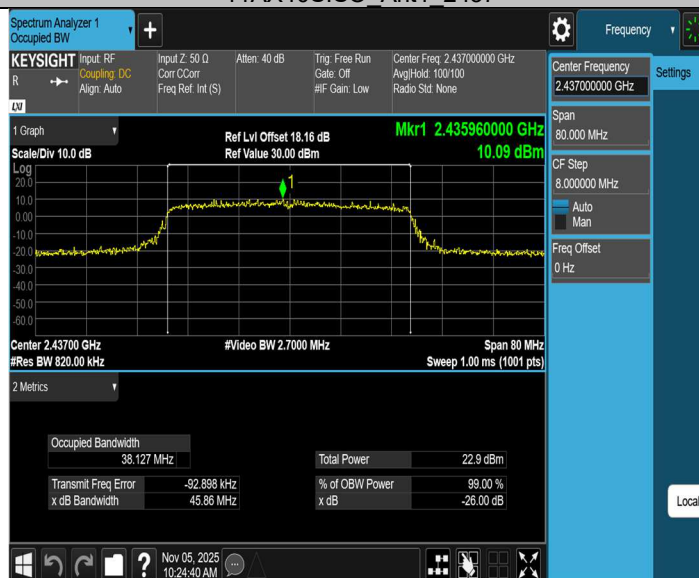
11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



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

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-3.95	≤8.00	PASS
		2437	-3.55	≤8.00	PASS
		2462	-2.96	≤8.00	PASS
11G	Ant1	2412	-6.10	≤8.00	PASS
		2437	-7.16	≤8.00	PASS
		2462	-6.97	≤8.00	PASS
11N20SISO	Ant1	2412	-4.92	≤8.00	PASS
		2437	-5.42	≤8.00	PASS
		2462	-6.65	≤8.00	PASS
11N40SISO	Ant1	2422	-8.42	≤8.00	PASS
		2437	-9.59	≤8.00	PASS
		2452	-10.23	≤8.00	PASS
11AX20SISO	Ant1	2412	-8.20	≤8.00	PASS
		2437	-8.74	≤8.00	PASS
		2462	-9.27	≤8.00	PASS
11AX40SISO	Ant1	2422	-11.74	≤8.00	PASS
		2437	-11.86	≤8.00	PASS
		2452	-12.59	≤8.00	PASS