

Appendix A: Test Results of 2.4GHz Wi-Fi

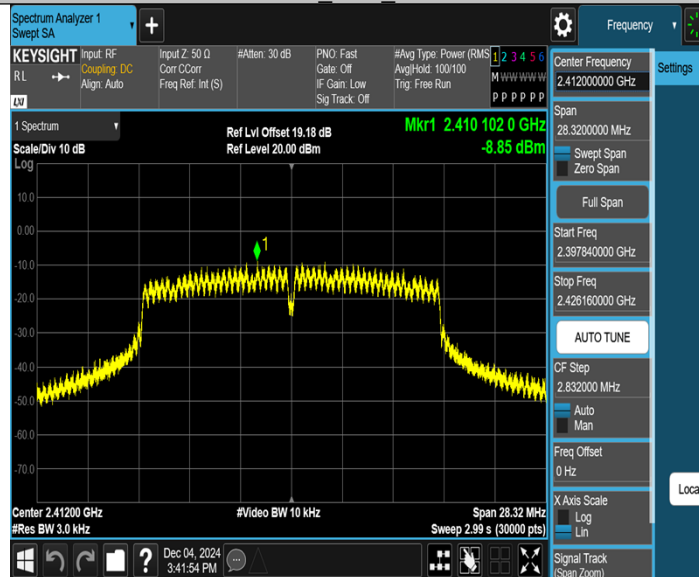
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Appendix A.1: Test Results of Conducted Power Spectral Density

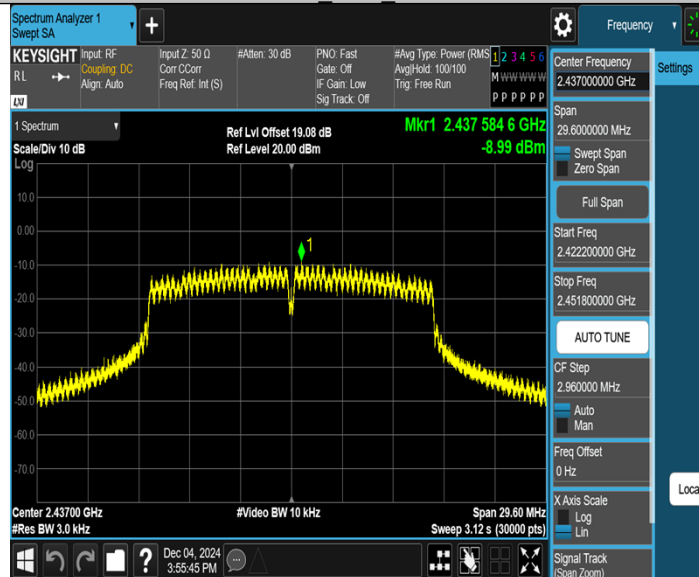
TestMode	Antenna	Channel	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-4.22	≤8.00	PASS
		2437	-5.41	≤8.00	PASS
		2462	-4.47	≤8.00	PASS
11G	Ant1	2412	-8.85	≤8.00	PASS
		2437	-8.99	≤8.00	PASS
		2462	-9.12	≤8.00	PASS
11N20SISO	Ant1	2412	-10.21	≤8.00	PASS
		2437	-9.49	≤8.00	PASS
		2462	-8.65	≤8.00	PASS



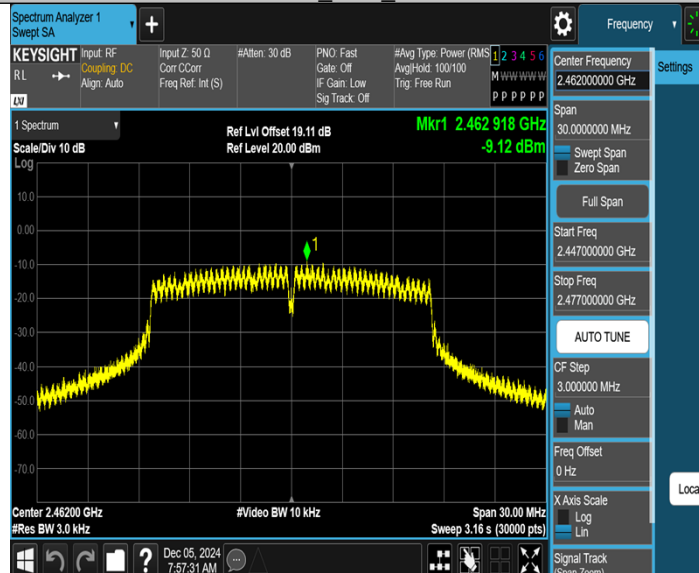
11G_Ant1_2412



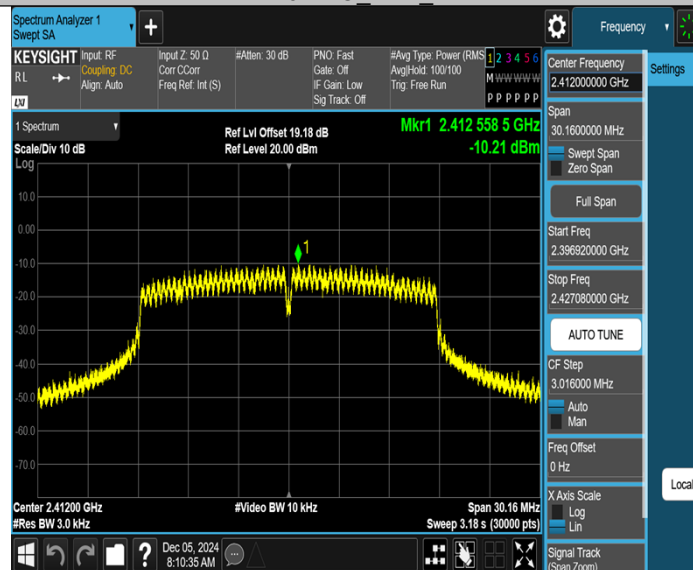
11G_Ant1_2437



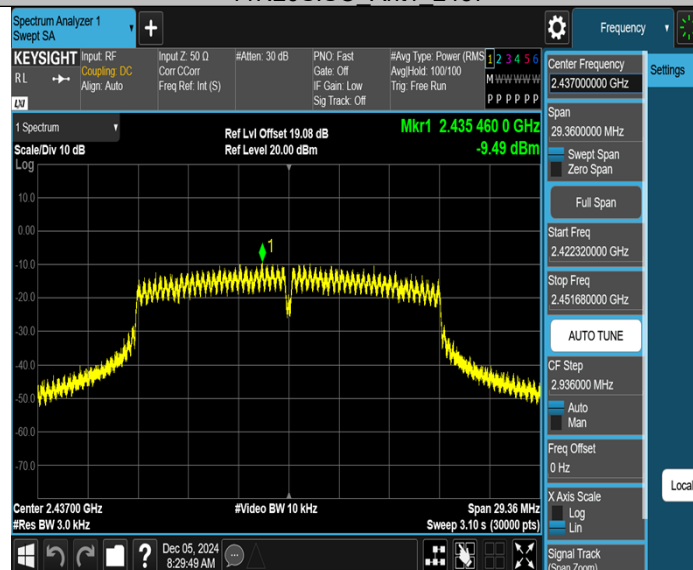
11G_Ant1_2462



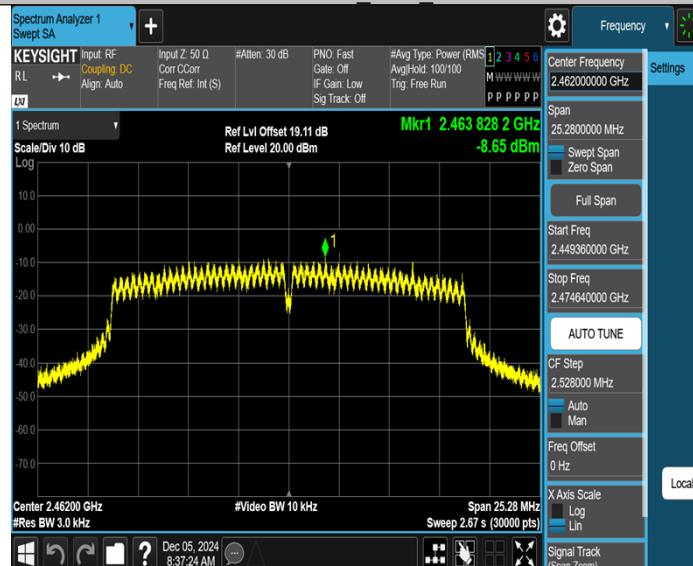
11N20SISO Ant1 2412



11N20SISO Ant1 2437



11N20SISO Ant1 2462



Appendix A.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	0.5	PASS
		2437	9.040	2432.480	2441.520	0.5	PASS
		2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant1	2412	14.160	2404.480	2418.640	0.5	PASS
		2437	14.800	2429.720	2444.520	0.5	PASS
		2462	15.000	2454.480	2469.480	0.5	PASS
11N20SISO	Ant1	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	14.680	2429.840	2444.520	0.5	PASS
		2462	12.640	2455.680	2468.320	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

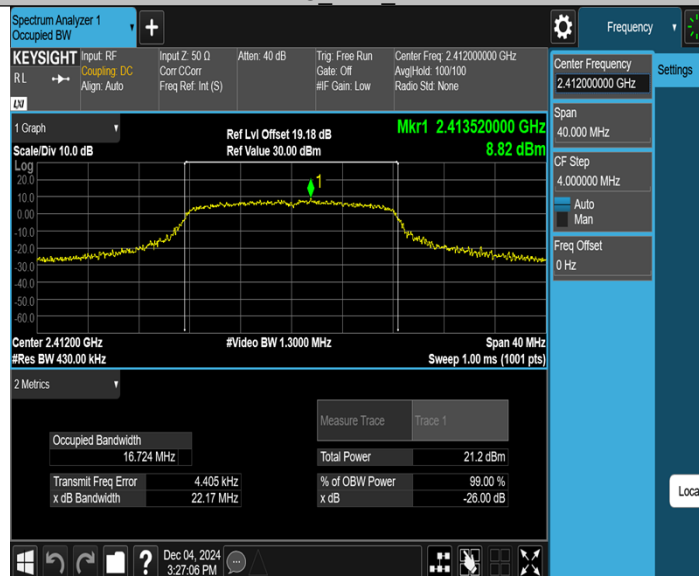


Appendix A.3: Test Results of 99% Bandwidth

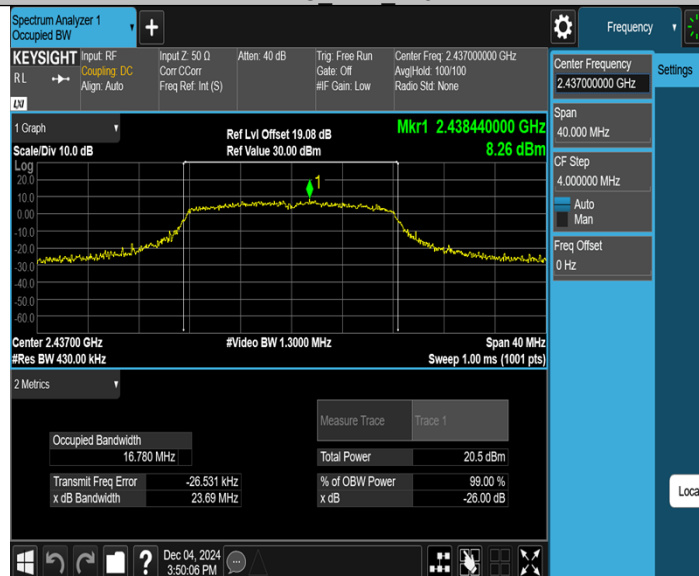
TestMode	Antenna	Channel	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	14.460	2404.7949	2419.2549	---	PASS
		2437	14.304	2429.8061	2444.1101	---	PASS
		2462	14.288	2454.7902	2469.0782	---	PASS
11G	Ant1	2412	16.724	2403.6424	2420.3664	---	PASS
		2437	16.780	2428.5835	2445.3635	---	PASS
		2462	16.752	2453.6004	2470.3524	---	PASS
11N20SISO	Ant1	2412	17.734	2403.1291	2420.8631	---	PASS
		2437	17.806	2428.0582	2445.8642	---	PASS
		2462	17.785	2453.0552	2470.8402	---	PASS



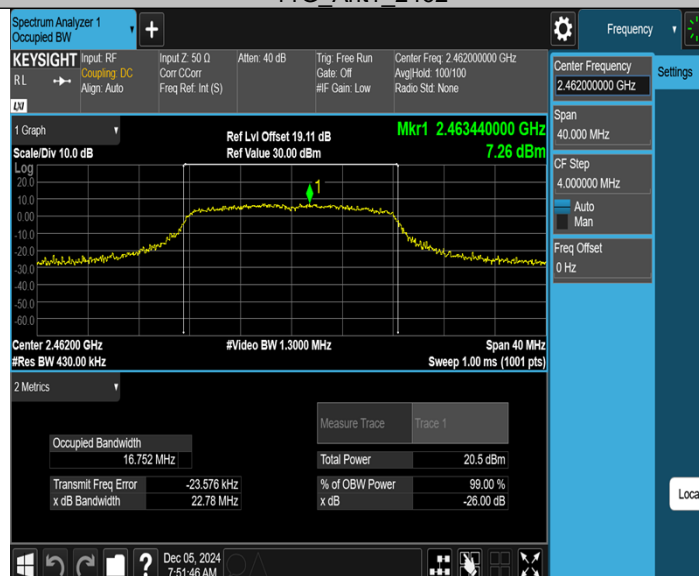
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



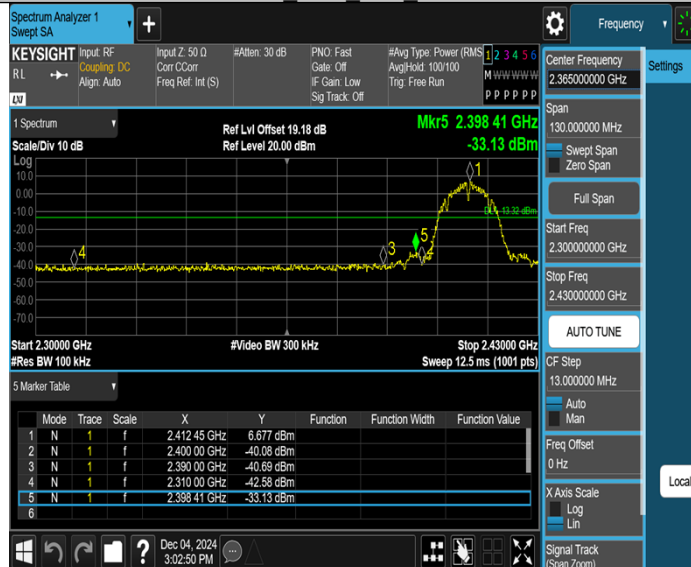


Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	6.68	-33.14	≤-13.32	PASS
		High	2462	6.88	-38.69	≤-13.13	PASS
11G	Ant1	Low	2412	4.34	-28.67	≤-15.66	PASS
		High	2462	3.45	-38.79	≤-16.55	PASS
11N20SISO	Ant1	Low	2412	4.18	-27.46	≤-15.82	PASS
		High	2462	4.89	-38.47	≤-15.11	PASS

11B Ant1 Low 2412



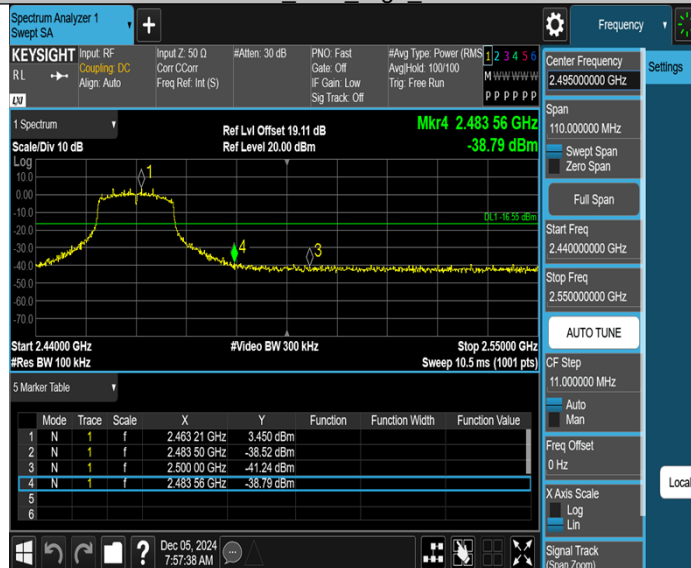
11B Ant1 High 2462



11G Ant1 Low 2412



11G Ant1 High 2462



11N20SISO Ant1 Low 2412



11N20SISO Ant1 High 2462



Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.69	5.69	---	PASS
			30~1000	5.69	-40.23	≤-14.31	PASS
			1000~26500	5.69	-30.61	≤-14.31	PASS
		2437	Reference	5.42	5.42	---	PASS
			30~1000	5.42	-40.35	≤-14.58	PASS
			1000~26500	5.42	-31.93	≤-14.58	PASS
		2462	Reference	7.39	7.39	---	PASS
			30~1000	7.39	-40.33	≤-12.61	PASS
			1000~26500	7.39	-31.53	≤-12.61	PASS
11G	Ant1	2412	Reference	3.56	3.56	---	PASS
			30~1000	3.56	-40.31	≤-16.44	PASS
			1000~26500	3.56	-31.13	≤-16.44	PASS
		2437	Reference	1.44	1.44	---	PASS
			30~1000	1.44	-40.13	≤-18.56	PASS
			1000~26500	1.44	-31.51	≤-18.56	PASS
		2462	Reference	1.49	1.49	---	PASS
			30~1000	1.49	-41.28	≤-18.51	PASS
			1000~26500	1.49	-31.91	≤-18.51	PASS
11N20SISO	Ant1	2412	Reference	2.49	2.49	---	PASS
			30~1000	2.49	-39.68	≤-17.51	PASS
			1000~26500	2.49	-31.78	≤-17.51	PASS
		2437	Reference	2.12	2.12	---	PASS
			30~1000	2.12	-40.4	≤-17.88	PASS
			1000~26500	2.12	-30.86	≤-17.88	PASS
		2462	Reference	1.60	1.60	---	PASS
			30~1000	1.60	-41.04	≤-18.4	PASS
			1000~26500	1.60	-31.72	≤-18.4	PASS

