

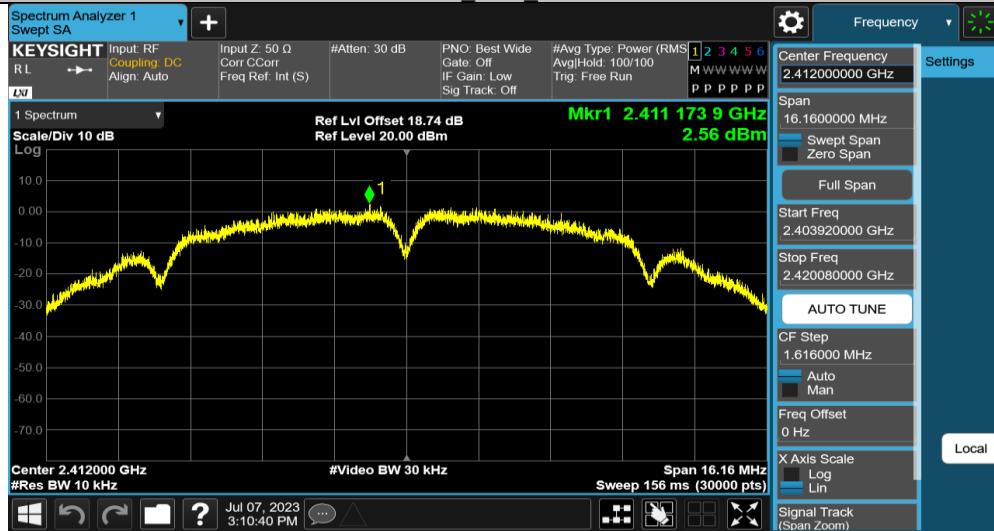
Appendix A: Test Results of 2.4GHz Wi-Fi

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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	2.56	≤8.00	PASS
		2437	2.15	≤8.00	PASS
		2462	1.49	≤8.00	PASS
11G	Ant1	2412	2.23	≤8.00	PASS
		2437	1.19	≤8.00	PASS
		2462	2.19	≤8.00	PASS
11N20SISO	Ant1	2412	2.05	≤8.00	PASS
		2437	1.11	≤8.00	PASS
		2462	0.7	≤8.00	PASS
11N40SISO	Ant1	2422	-6.37	≤8.00	PASS
		2437	-6.46	≤8.00	PASS
		2452	-4.86	≤8.00	PASS

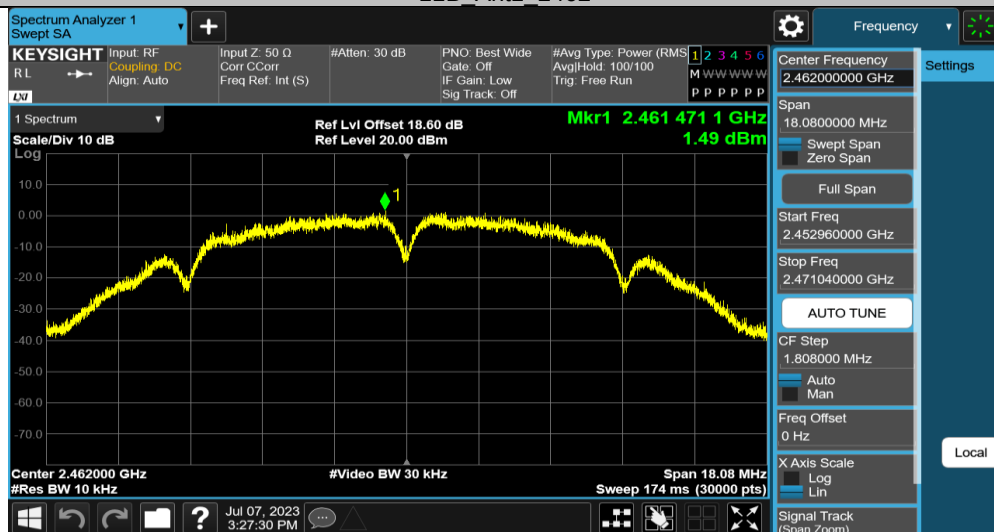
11B_Ant1_2412



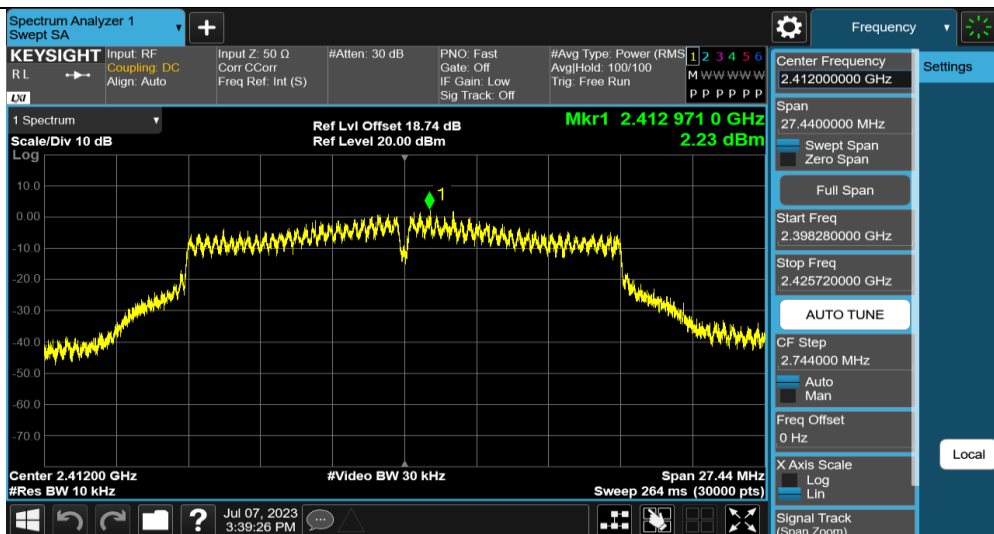
11B_Ant1_2437



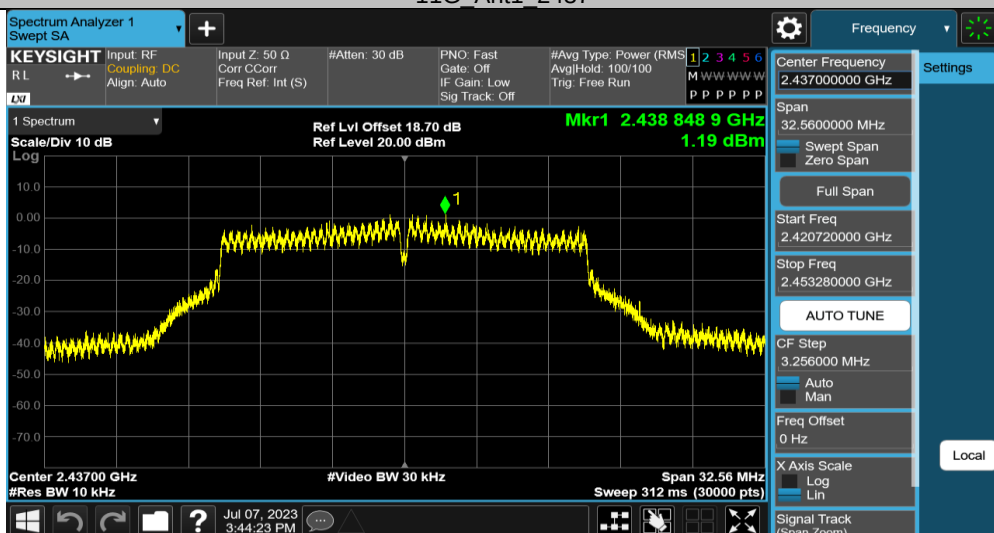
11B_Ant1_2462



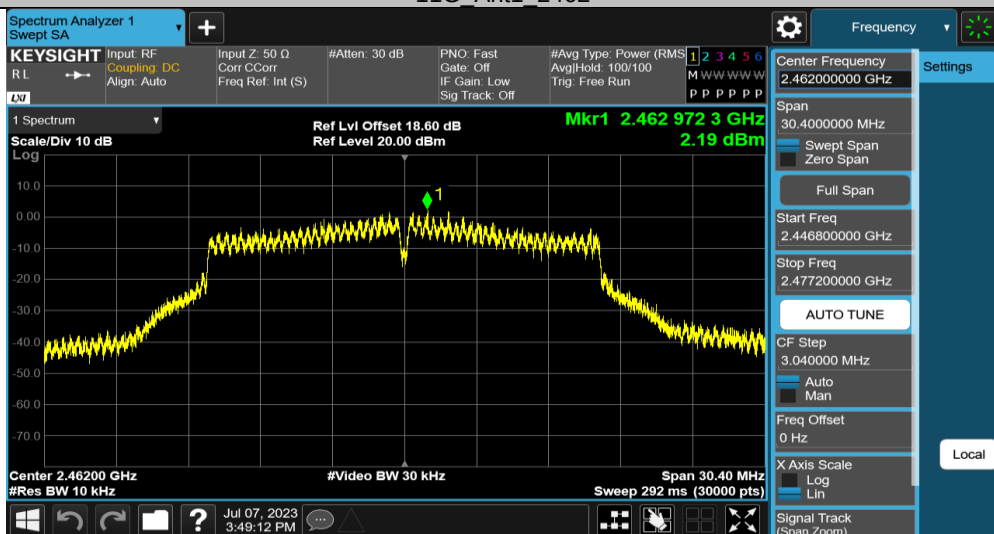
11G_Ant1_2412



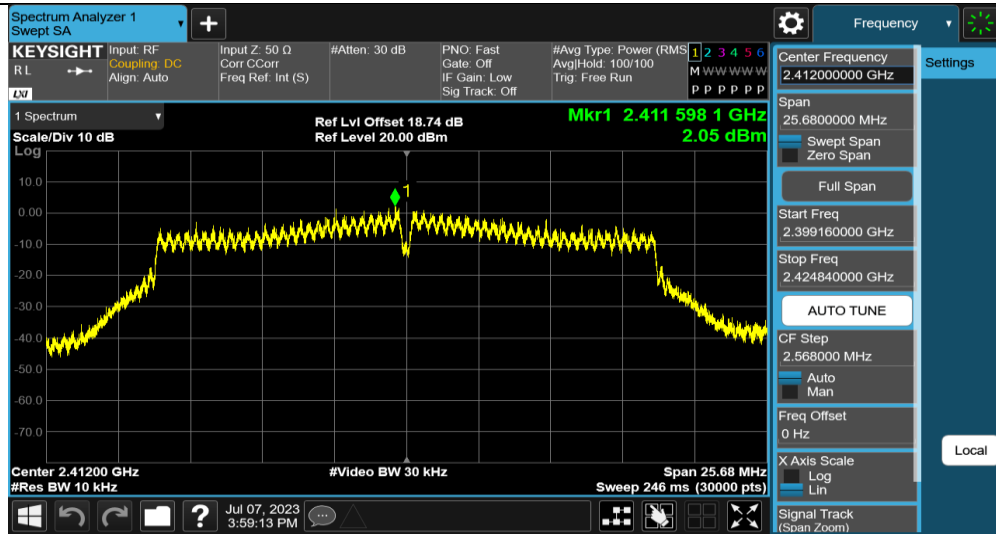
11G Ant1_2437



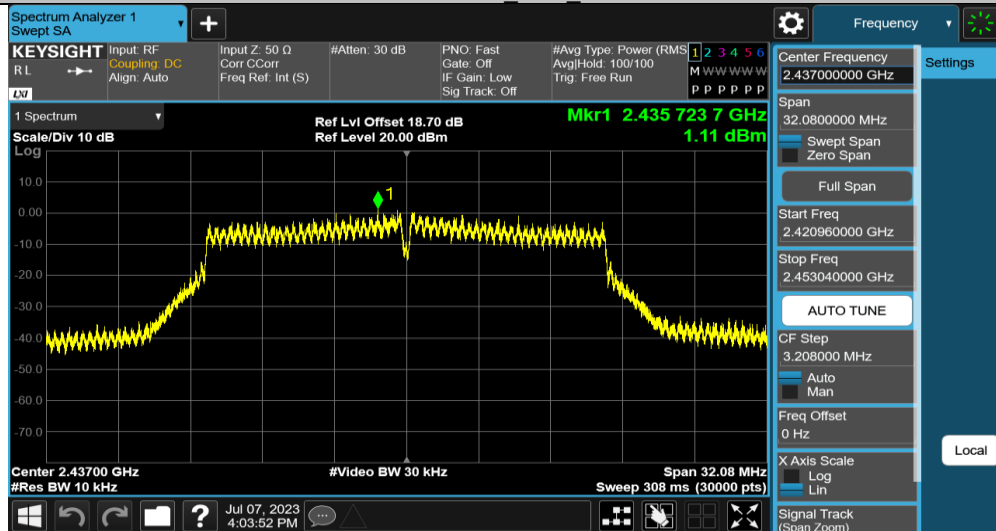
11G Ant1_2462



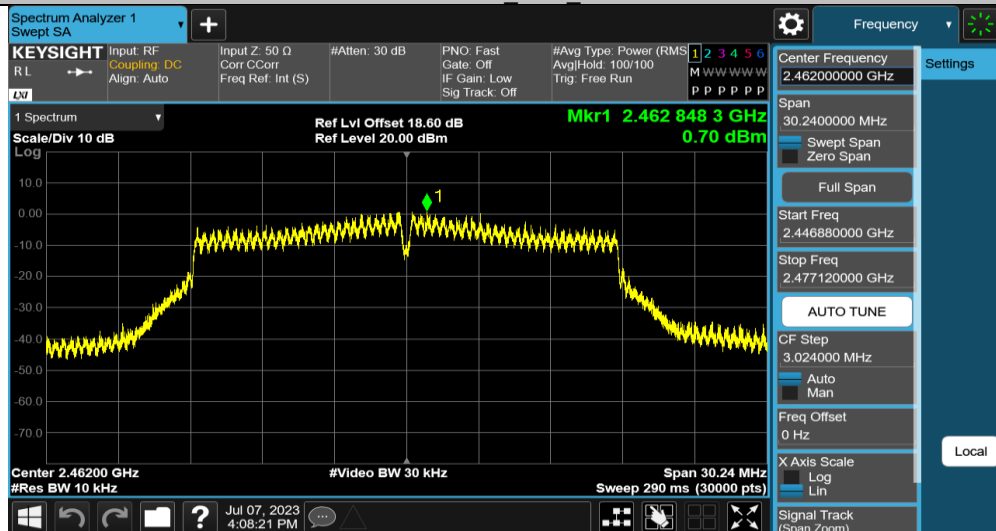
11N20SISO Ant1_2412



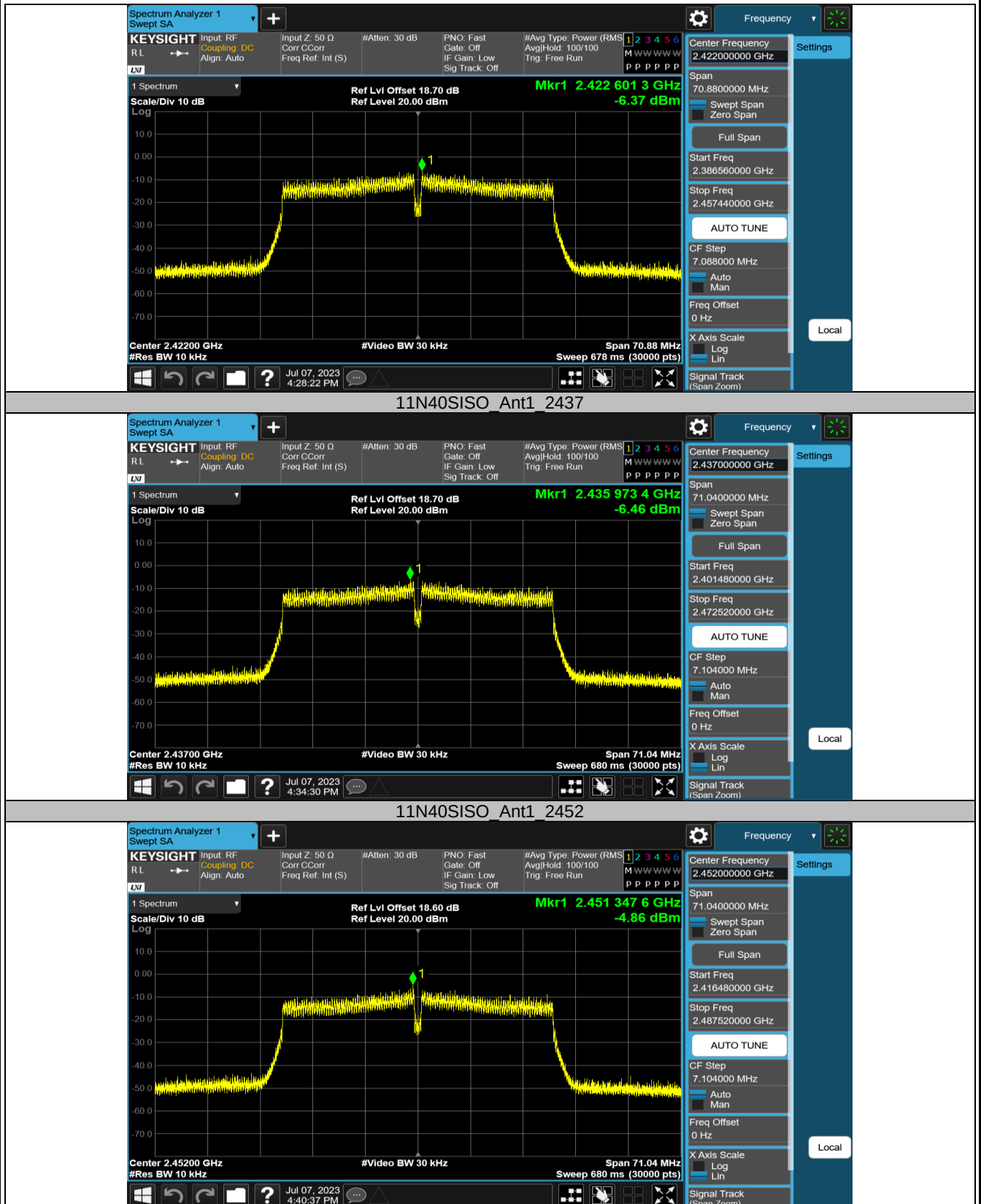
11N20SISO Ant1 2437



11N20SISO Ant1 2462



11N40SISO Ant1 2422



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	2407.920	2416.000	0.5	PASS
		2437	8.080	2432.920	2441.000	0.5	PASS
		2462	9.040	2457.440	2466.480	0.5	PASS
11G	Ant1	2412	13.720	2405.960	2419.680	0.5	PASS
		2437	16.280	2428.840	2445.120	0.5	PASS
		2462	15.200	2454.520	2469.720	0.5	PASS
11N20SISO	Ant1	2412	12.840	2406.720	2419.560	0.5	PASS
		2437	16.040	2429.080	2445.120	0.5	PASS
		2462	15.120	2454.400	2469.520	0.5	PASS
11N40SISO	Ant1	2422	35.440	2404.080	2439.520	0.5	PASS
		2437	35.520	2419.320	2454.840	0.5	PASS
		2452	35.520	2434.240	2469.760	0.5	PASS

11B_Ant1_2412



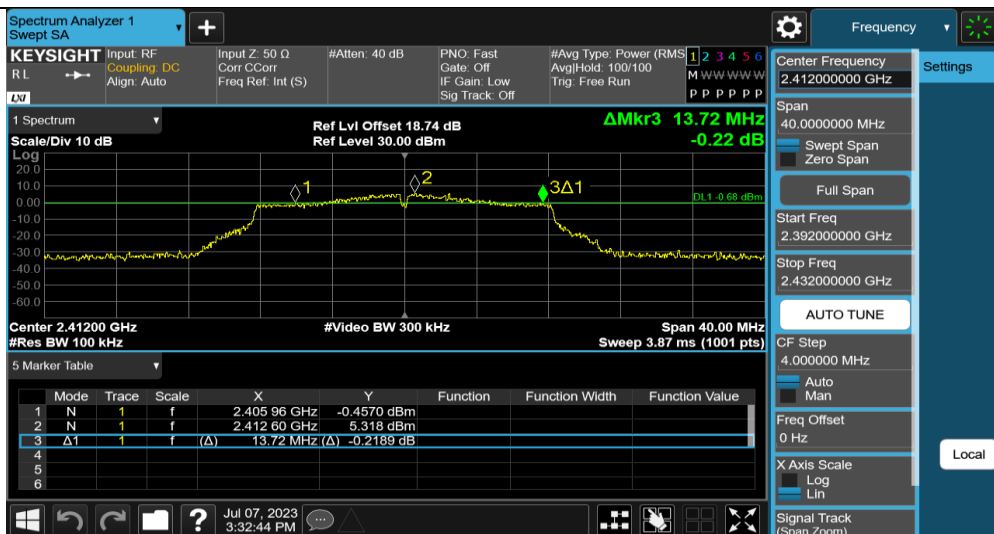
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



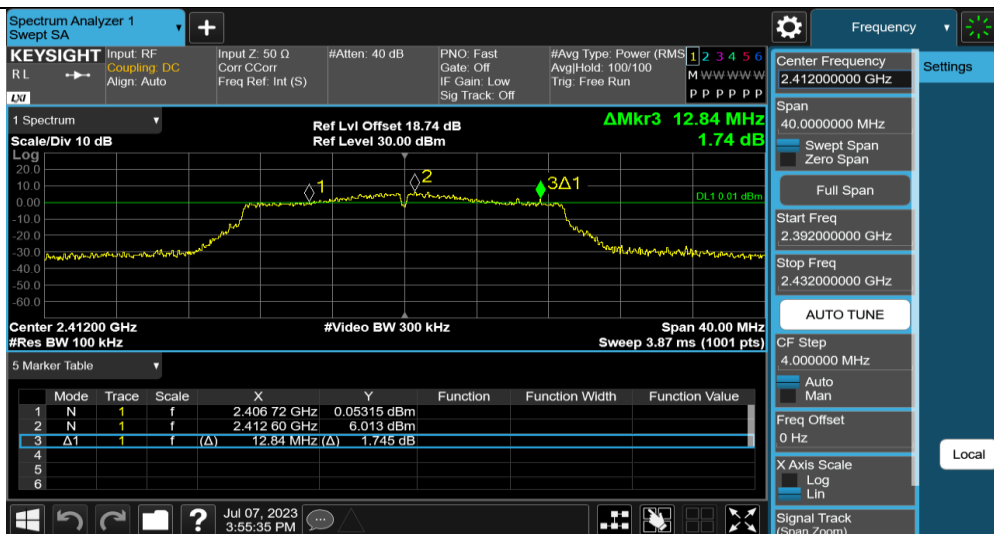
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



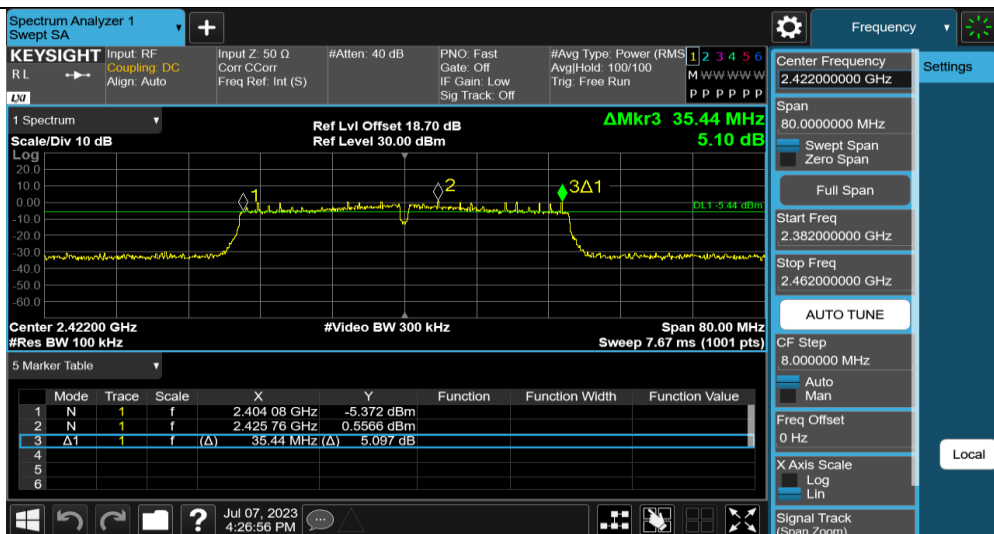
11N20SISO Ant1 2437



11N20SISO Ant1 2462



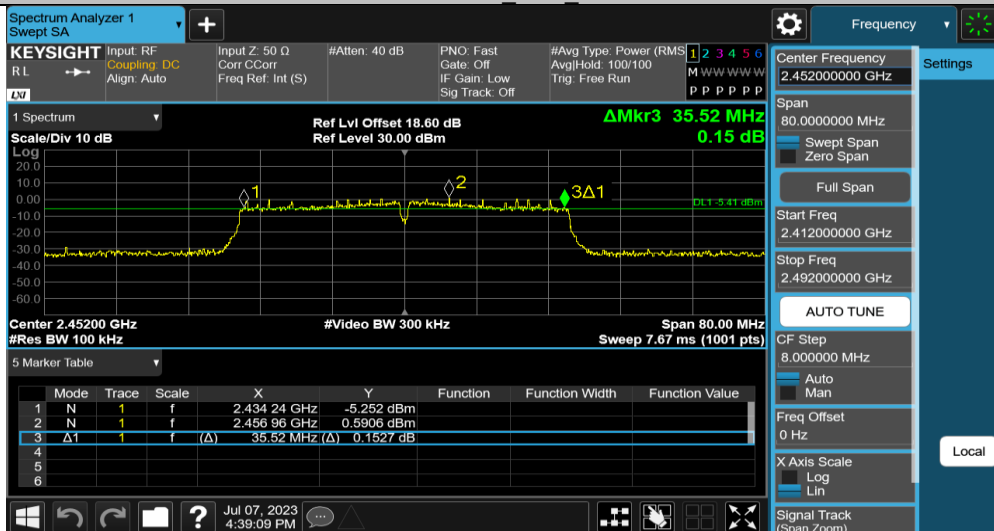
11N40SISO Ant1 2422



11N40SISO Ant1 2437

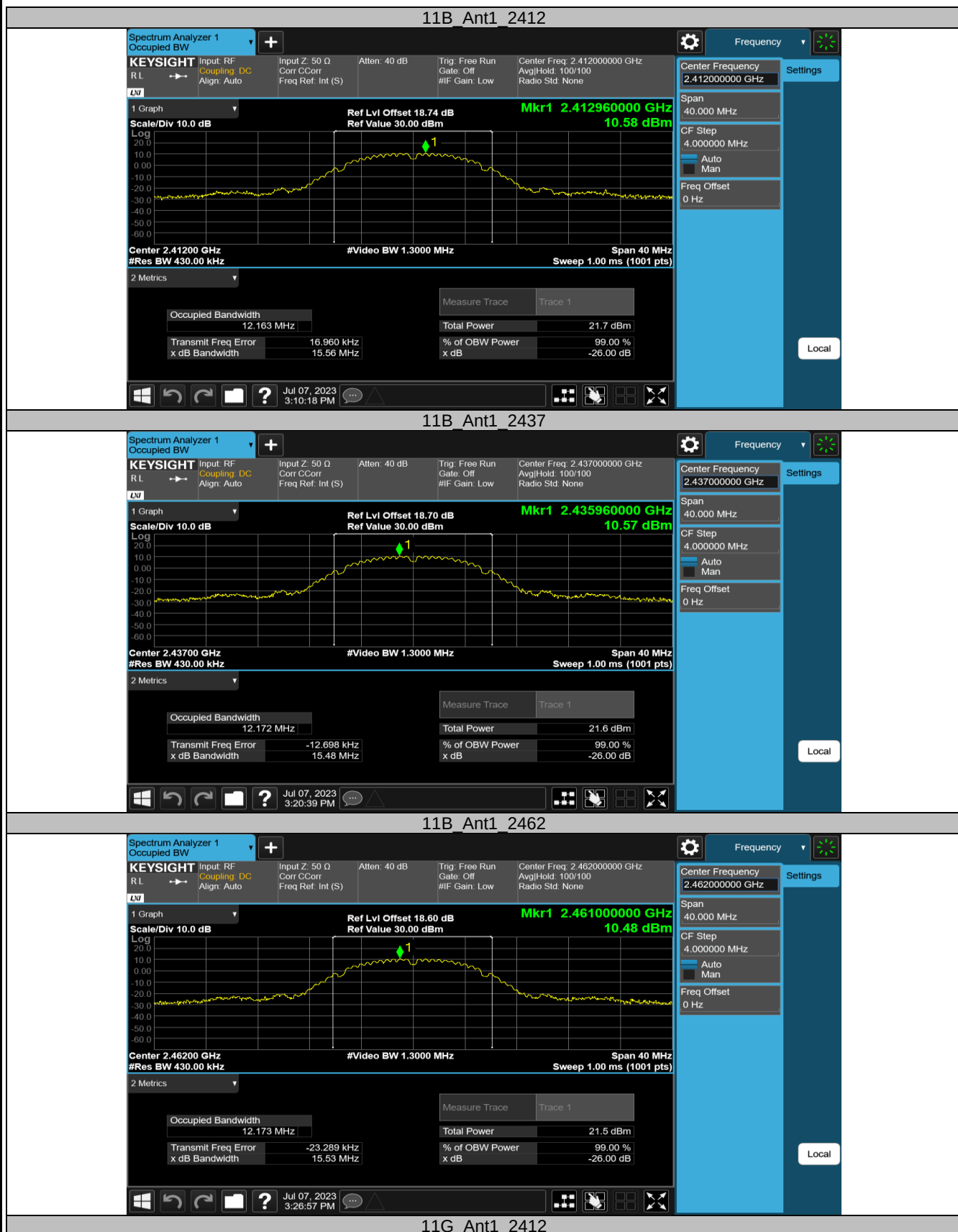


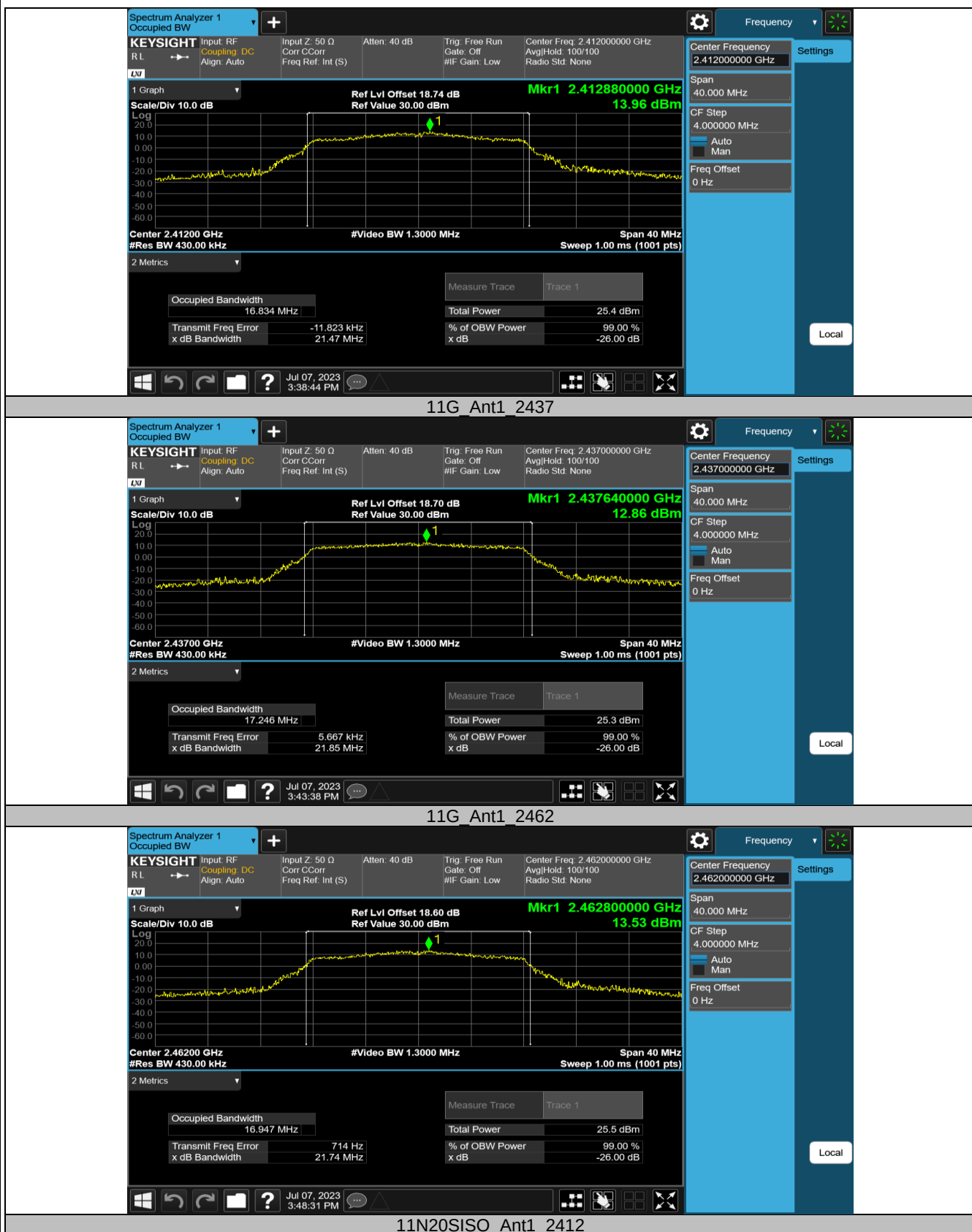
11N40SISO Ant1 2452

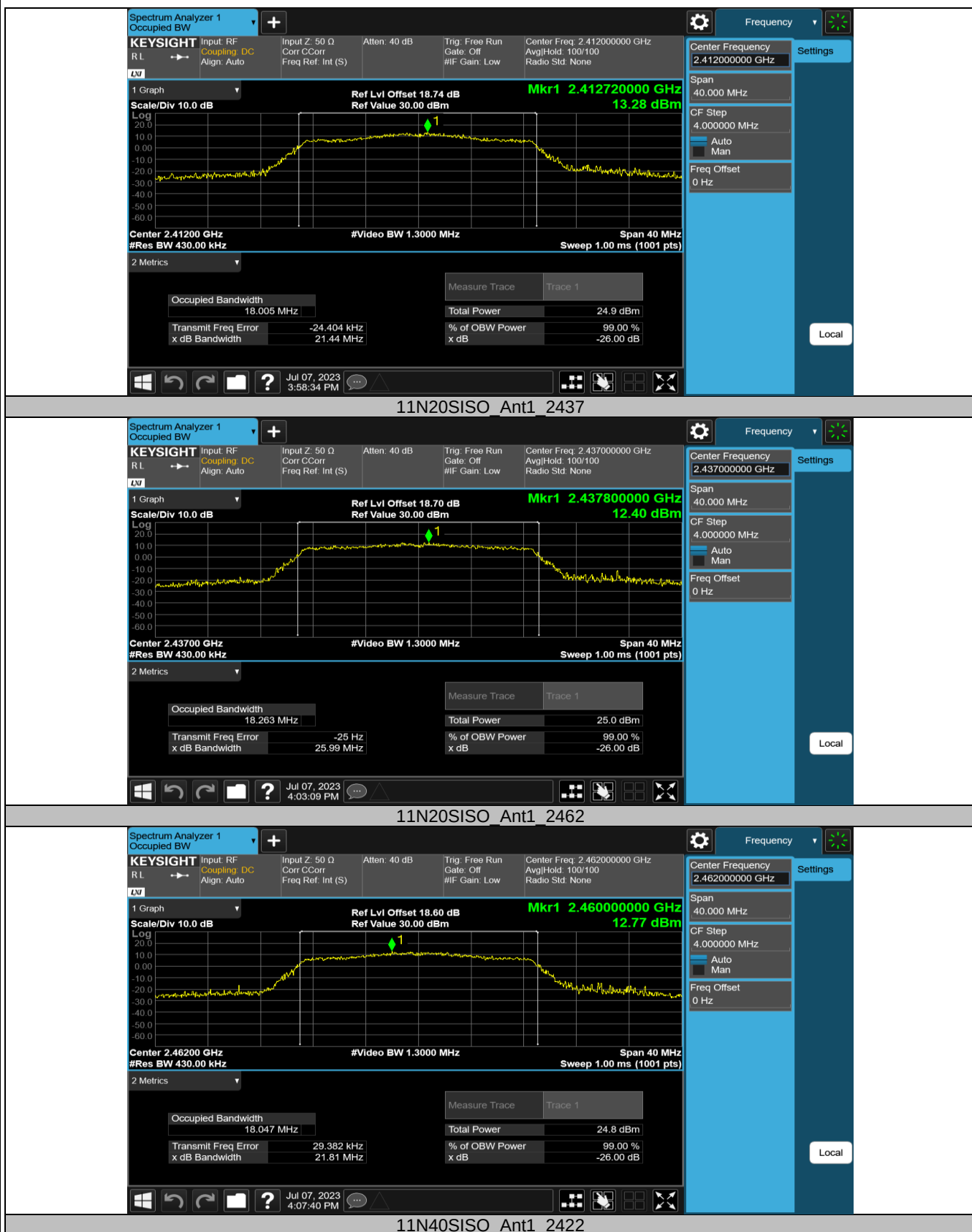


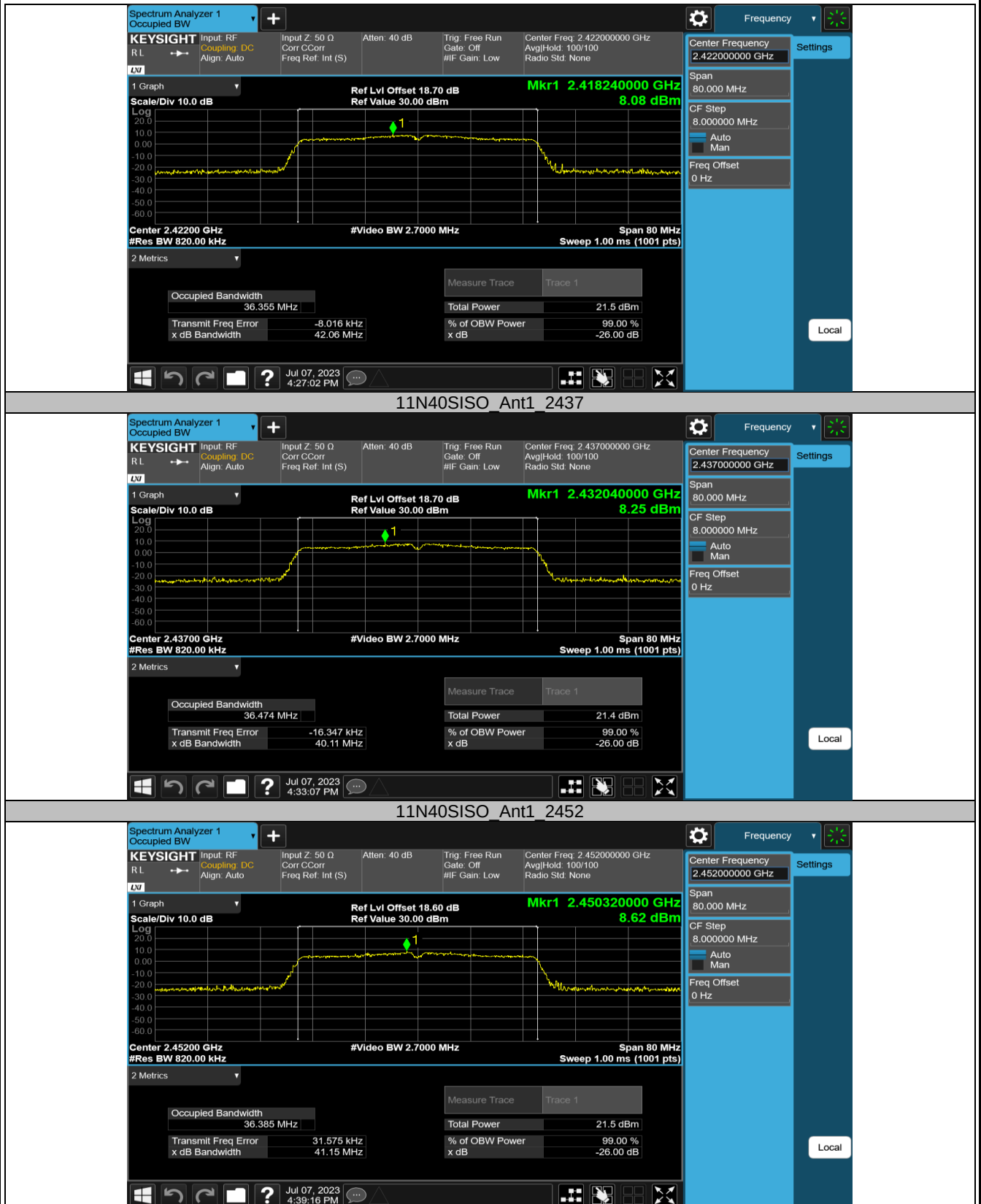
Appendix A.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.163	2405.9355	2418.0985	---	PASS
		2437	12.172	2430.9013	2443.0733	---	PASS
		2462	12.173	2455.8902	2468.0632	---	PASS
11G	Ant1	2412	16.834	2403.5712	2420.4052	---	PASS
		2437	17.246	2428.3827	2445.6287	---	PASS
		2462	16.947	2453.5272	2470.4742	---	PASS
11N20SISO	Ant1	2412	18.005	2402.9731	2420.9781	---	PASS
		2437	18.263	2427.8685	2446.1315	---	PASS
		2462	18.047	2453.0059	2471.0529	---	PASS
11N40SISO	Ant1	2422	36.355	2403.8145	2440.1695	---	PASS
		2437	36.474	2418.7467	2455.2207	---	PASS
		2452	36.385	2433.8391	2470.2241	---	PASS







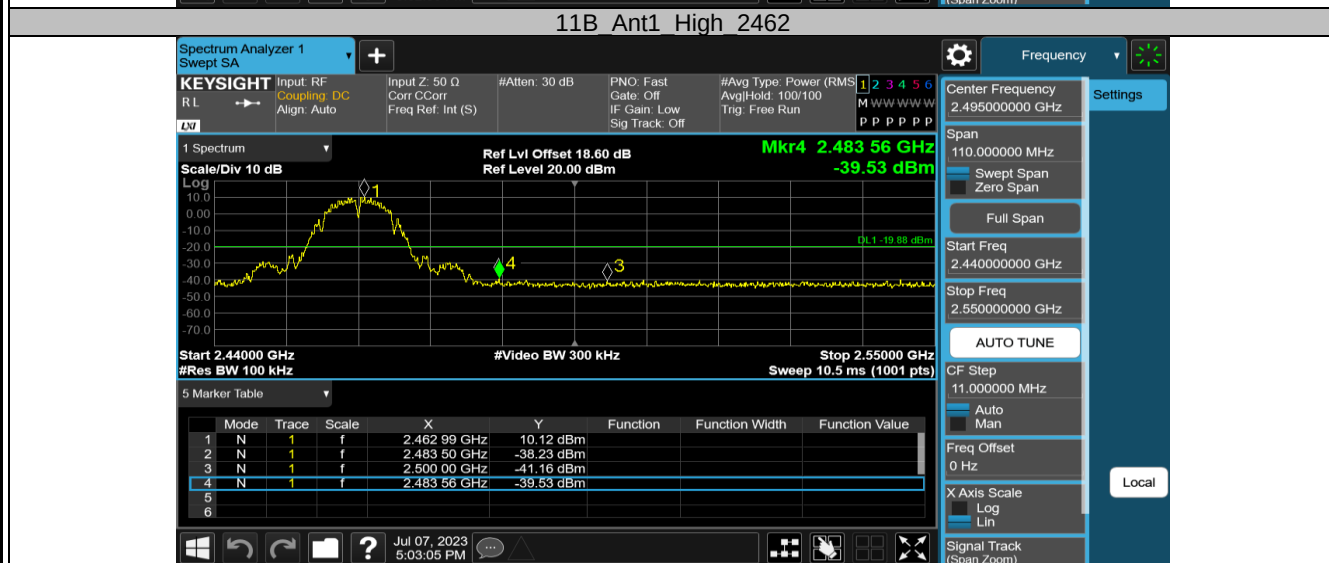
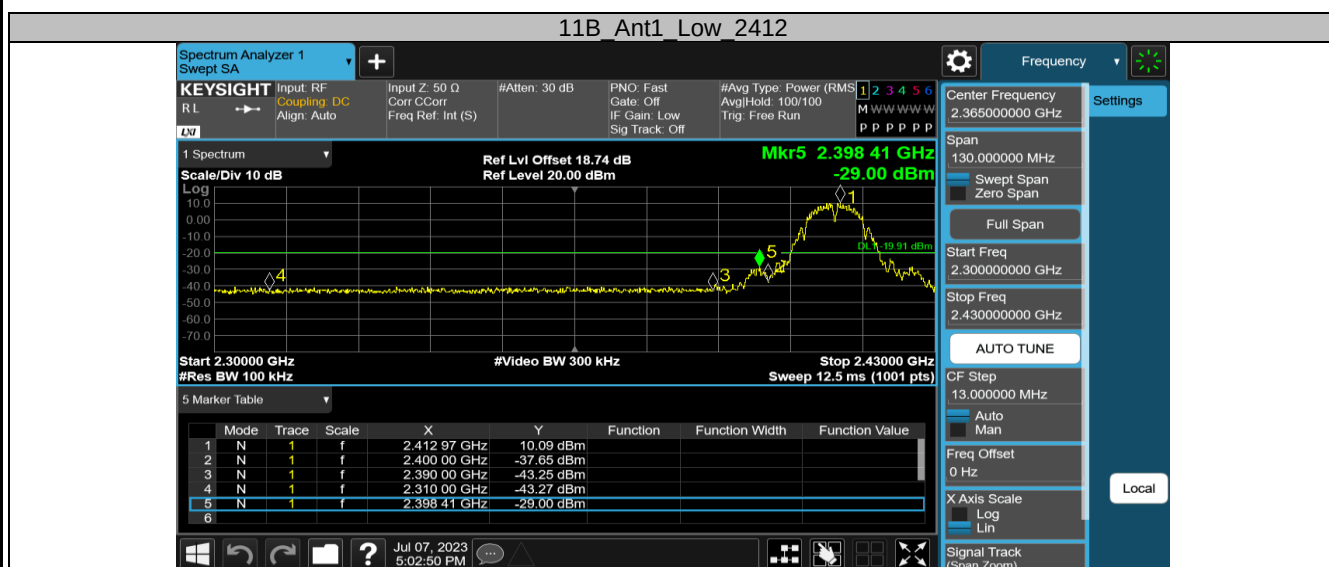


Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

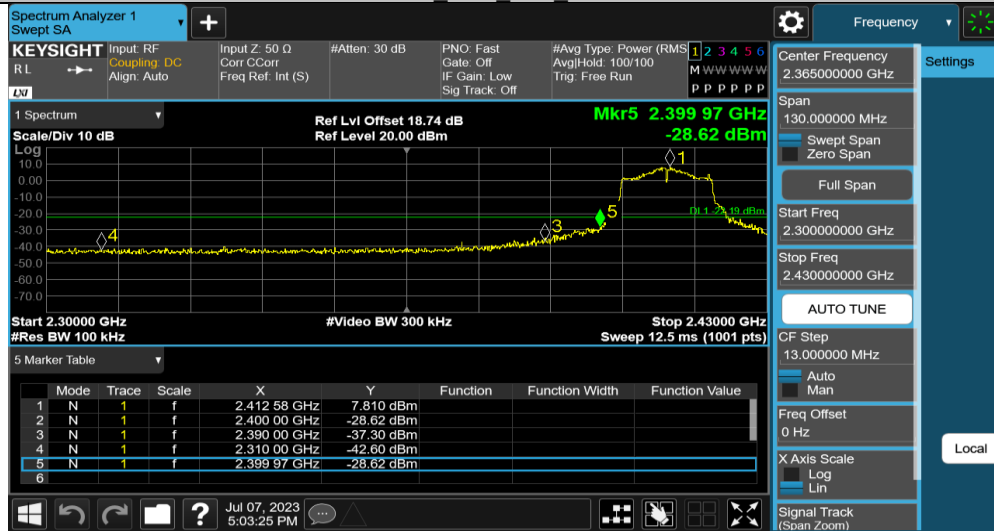
Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.09	-29	≤-19.91	PASS
		High	2462	10.12	-39.53	≤-19.88	PASS
11G	Ant1	Low	2412	7.81	-28.62	≤-22.19	PASS
		High	2462	7.23	-35.8	≤-22.77	PASS
11N20SISO	Ant1	Low	2412	7.73	-27.86	≤-22.27	PASS
		High	2462	7.34	-34.39	≤-22.66	PASS
11N40SISO	Ant1	Low	2422	0.09	-36.03	≤-29.91	PASS
		High	2452	0.38	-34.99	≤-29.63	PASS

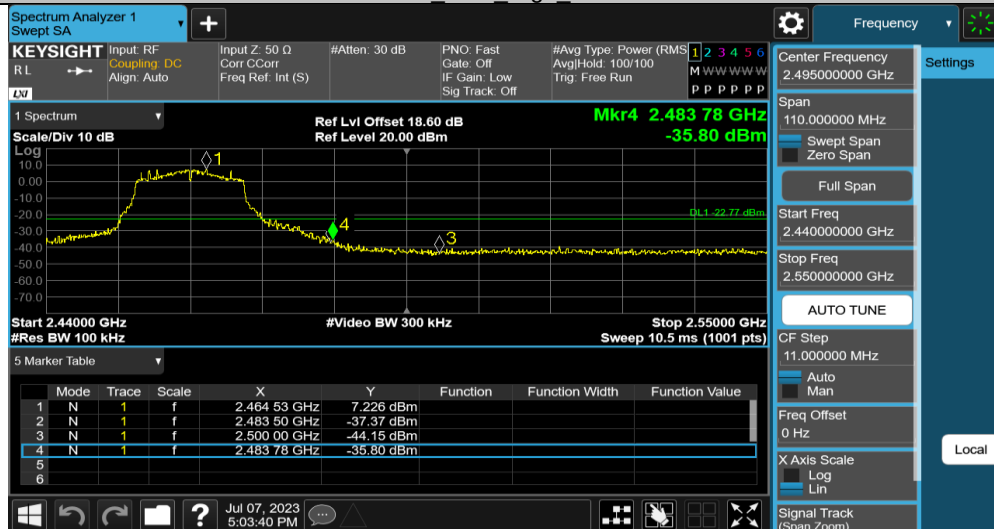
Note: The transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph Part 15.247 (b)(3), the attenuation required under this paragraph shall be 30 dB instead of 20 dB.



11G_Ant1_Low_2412



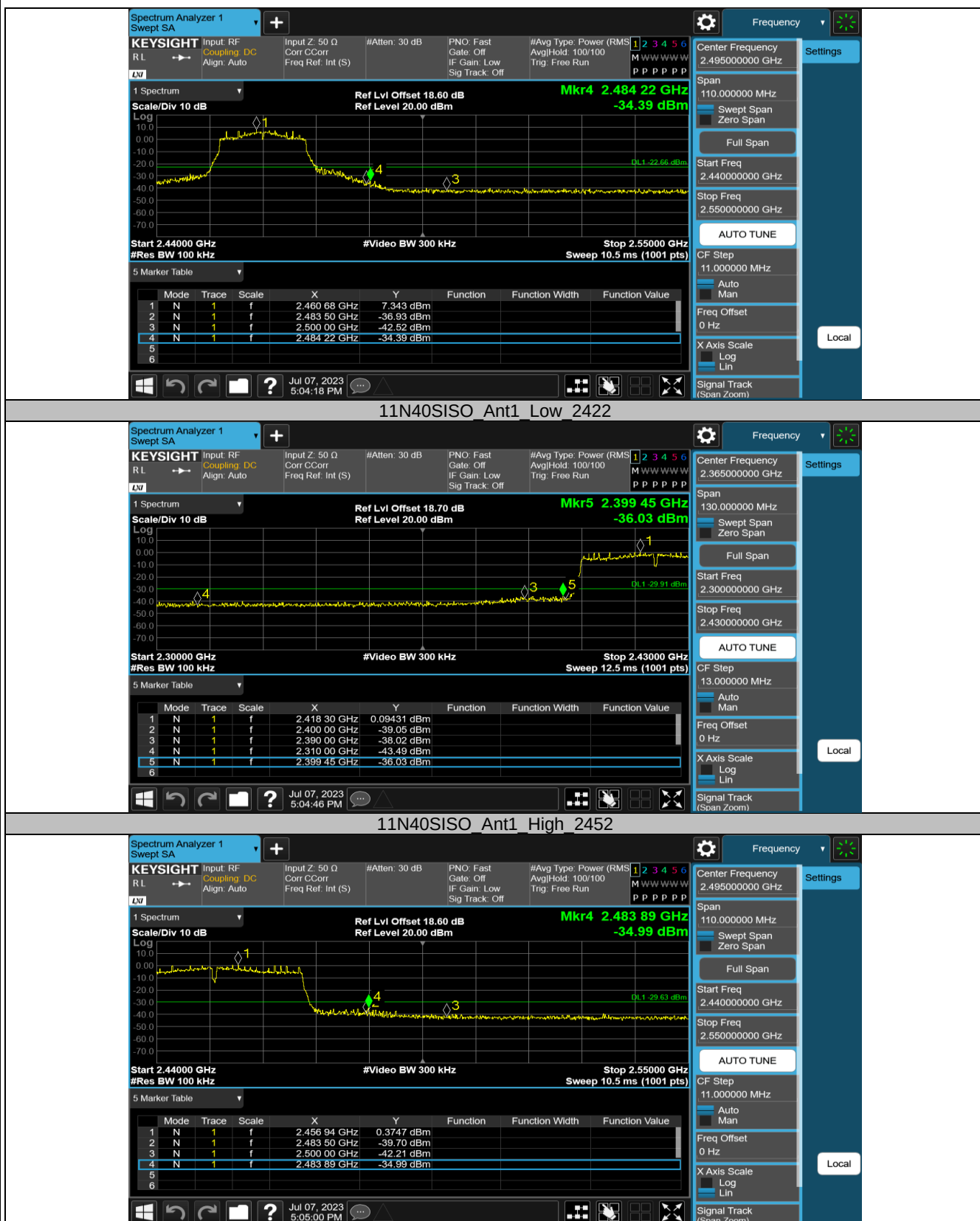
11G_Ant1_High_2462



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	9.40	9.40	---	PASS
			30~1000	9.40	-41.34	≤-20.6	PASS
			1000~26500	9.40	-32.41	≤-20.6	PASS
		2437	Reference	10.21	10.21	---	PASS
			30~1000	10.21	-41.32	≤-19.79	PASS
			1000~26500	10.21	-30.69	≤-19.79	PASS
		2462	Reference	8.71	8.71	---	PASS
			30~1000	8.71	-40.95	≤-21.29	PASS
			1000~26500	8.71	-32.64	≤-21.29	PASS
11G	Ant1	2412	Reference	6.93	6.93	---	PASS
			30~1000	6.93	-41.46	≤-23.07	PASS
			1000~26500	6.93	-31.97	≤-23.07	PASS
		2437	Reference	6.00	6.00	---	PASS
			30~1000	6.00	-41.12	≤-24	PASS
			1000~26500	6.00	-32.04	≤-24	PASS
		2462	Reference	6.88	6.88	---	PASS
			30~1000	6.88	-40.74	≤-23.12	PASS
			1000~26500	6.88	-31.73	≤-23.12	PASS
11N20SISO	Ant1	2412	Reference	6.52	6.52	---	PASS
			30~1000	6.52	-41.12	≤-23.48	PASS
			1000~26500	6.52	-31.38	≤-23.48	PASS
		2437	Reference	6.06	6.06	---	PASS
			30~1000	6.06	-41.13	≤-23.94	PASS
			1000~26500	6.06	-32.73	≤-23.94	PASS
		2462	Reference	6.47	6.47	---	PASS
			30~1000	6.47	-41.46	≤-23.53	PASS
			1000~26500	6.47	-32.11	≤-23.53	PASS
11N40SISO	Ant1	2422	Reference	0.00	0.00	---	PASS
			30~1000	0.00	-41.61	≤-30	PASS
			1000~26500	0.00	-32.5	≤-30	PASS
		2437	Reference	-0.30	-0.30	---	PASS
			30~1000	-0.30	-41.45	≤-30.3	PASS
			1000~26500	-0.30	-31.95	≤-30.3	PASS
		2452	Reference	0.38	0.38	---	PASS
			30~1000	0.38	-40.86	≤-29.62	PASS
			1000~26500	0.38	-32.9	≤-29.62	PASS

Note: The transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph Part 15.247 (b)(3), the attenuation required under this paragraph shall be 30 dB instead of 20 dB.