

Appendix: 2.4G Wi-Fi

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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.000	2407.000	2417.000	0.5	PASS
11B	Ant1	2437	9.080	2432.480	2441.560	0.5	PASS
11B	Ant1	2462	9.120	2457.440	2466.560	0.5	PASS
11G	Ant1	2412	13.040	2405.480	2418.520	0.5	PASS
11G	Ant1	2437	15.640	2429.120	2444.760	0.5	PASS
11G	Ant1	2462	12.800	2455.720	2468.520	0.5	PASS
11N20SISO	Ant1	2412	15.000	2404.480	2419.480	0.5	PASS
11N20SISO	Ant1	2437	15.400	2429.120	2444.520	0.5	PASS
11N20SISO	Ant1	2462	14.800	2454.720	2469.520	0.5	PASS
11N40SISO	Ant1	2422	30.080	2406.960	2437.040	0.5	PASS
11N40SISO	Ant1	2437	33.840	2420.680	2454.520	0.5	PASS
11N40SISO	Ant1	2452	33.760	2435.760	2469.520	0.5	PASS

Test Graphs

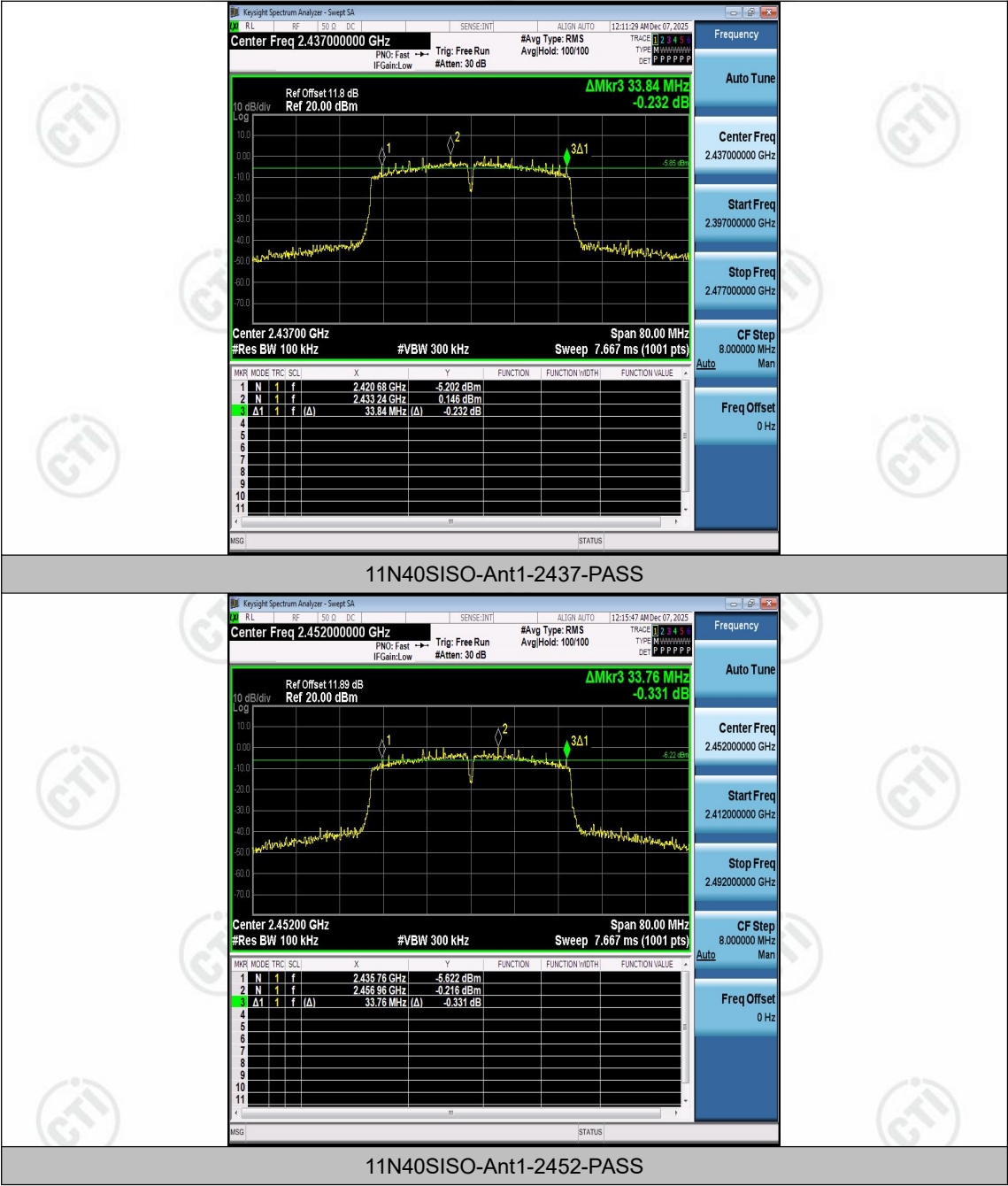












Appendix B: Occupied Channel Bandwidth

Test Result

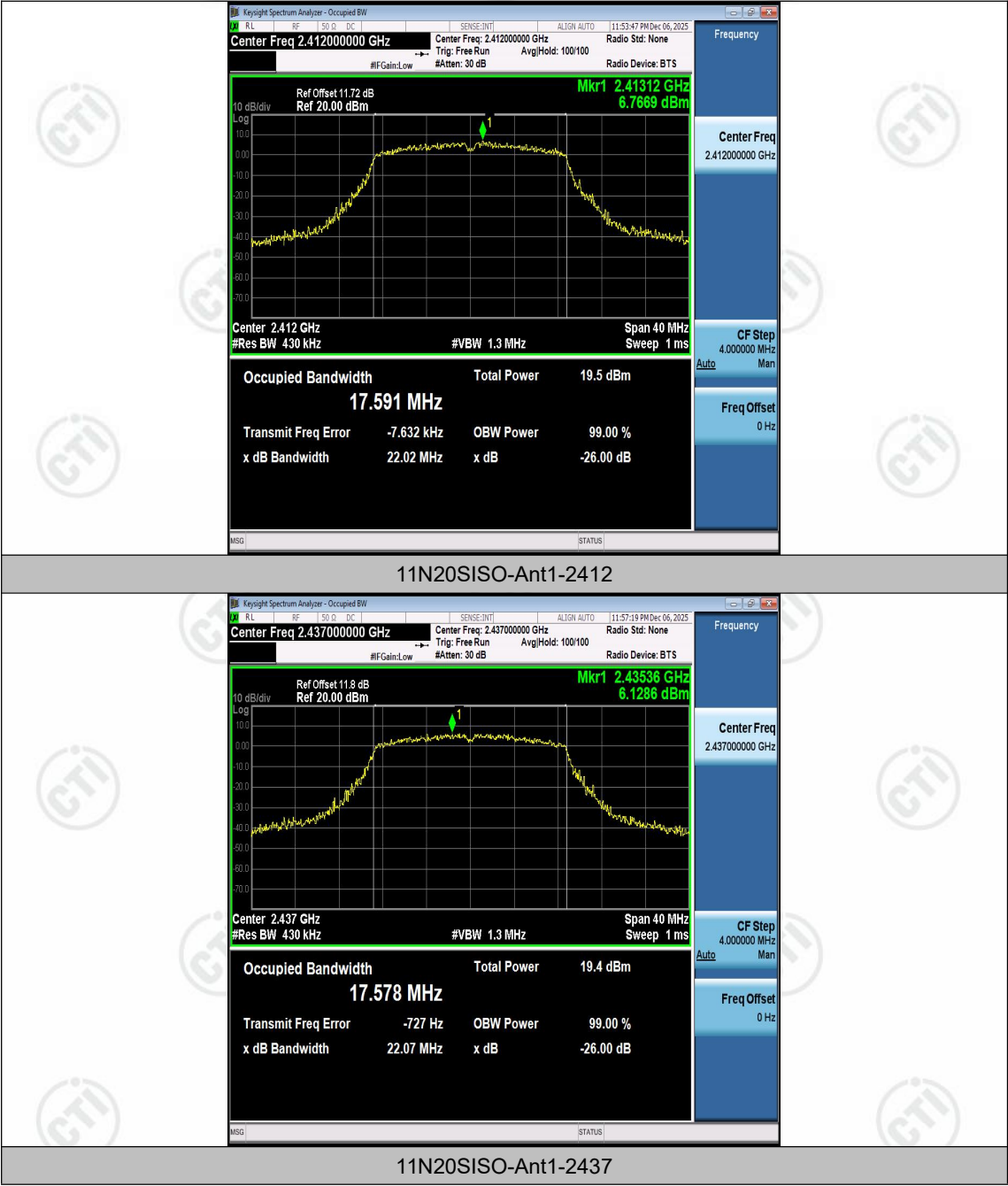
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	13.919	2405.0379	2418.9569	---	---
11B	Ant1	2437	13.913	2430.0533	2443.9663	---	---
11B	Ant1	2462	13.964	2455.0371	2469.0011	---	---
11G	Ant1	2412	16.525	2403.7581	2420.2831	---	---
11G	Ant1	2437	16.589	2428.7535	2445.3425	---	---
11G	Ant1	2462	16.533	2453.7886	2470.3216	---	---
11N20SISO	Ant1	2412	17.591	2403.1969	2420.7879	---	---
11N20SISO	Ant1	2437	17.578	2428.2103	2445.7883	---	---
11N20SISO	Ant1	2462	17.656	2453.2038	2470.8598	---	---
11N40SISO	Ant1	2422	35.535	2404.2621	2439.7971	---	---
11N40SISO	Ant1	2437	35.471	2419.2780	2454.7490	---	---
11N40SISO	Ant1	2452	35.472	2434.3181	2469.7901	---	---

Test Graphs

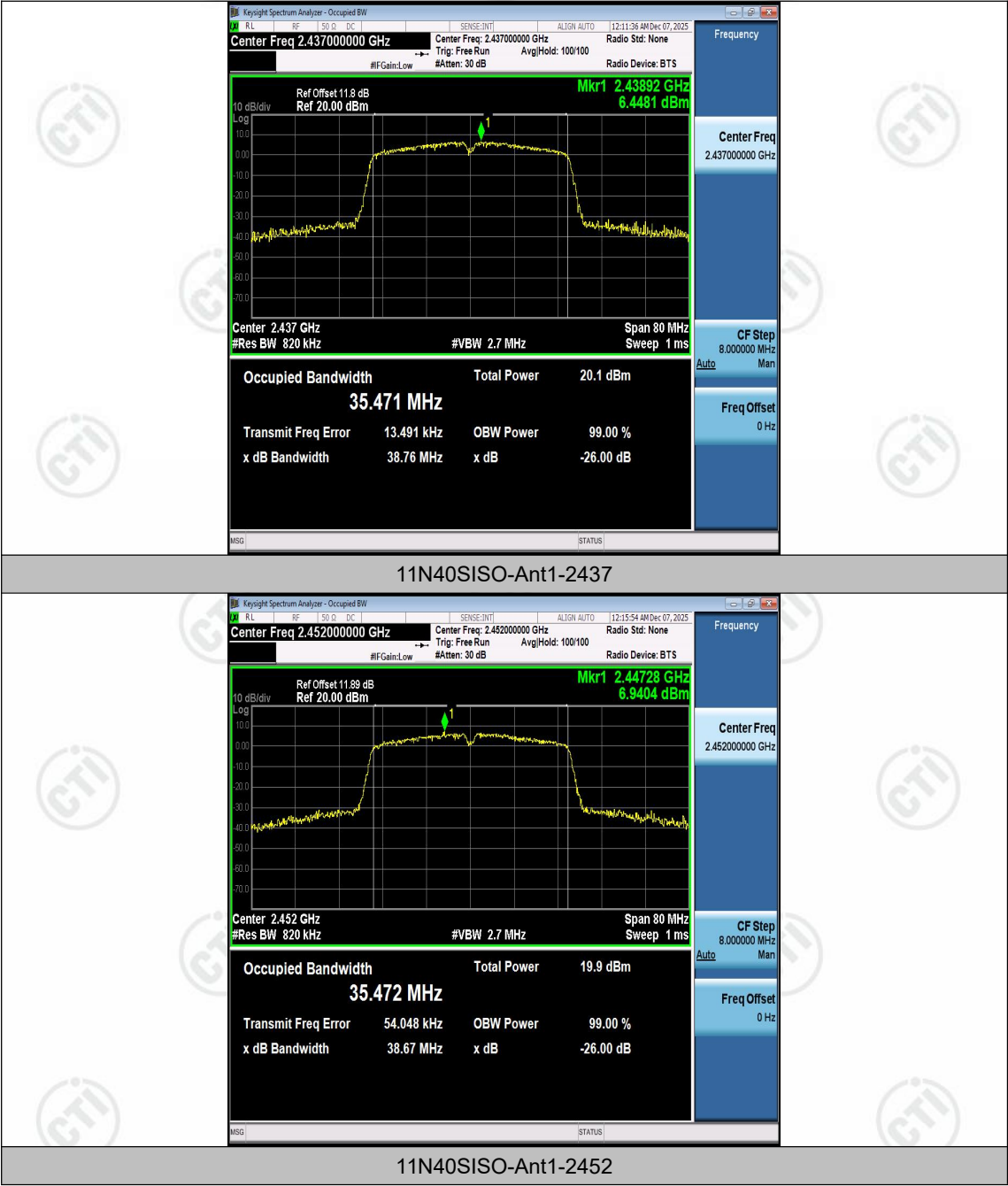












Appendix C: Maximum conducted output power

Test Result

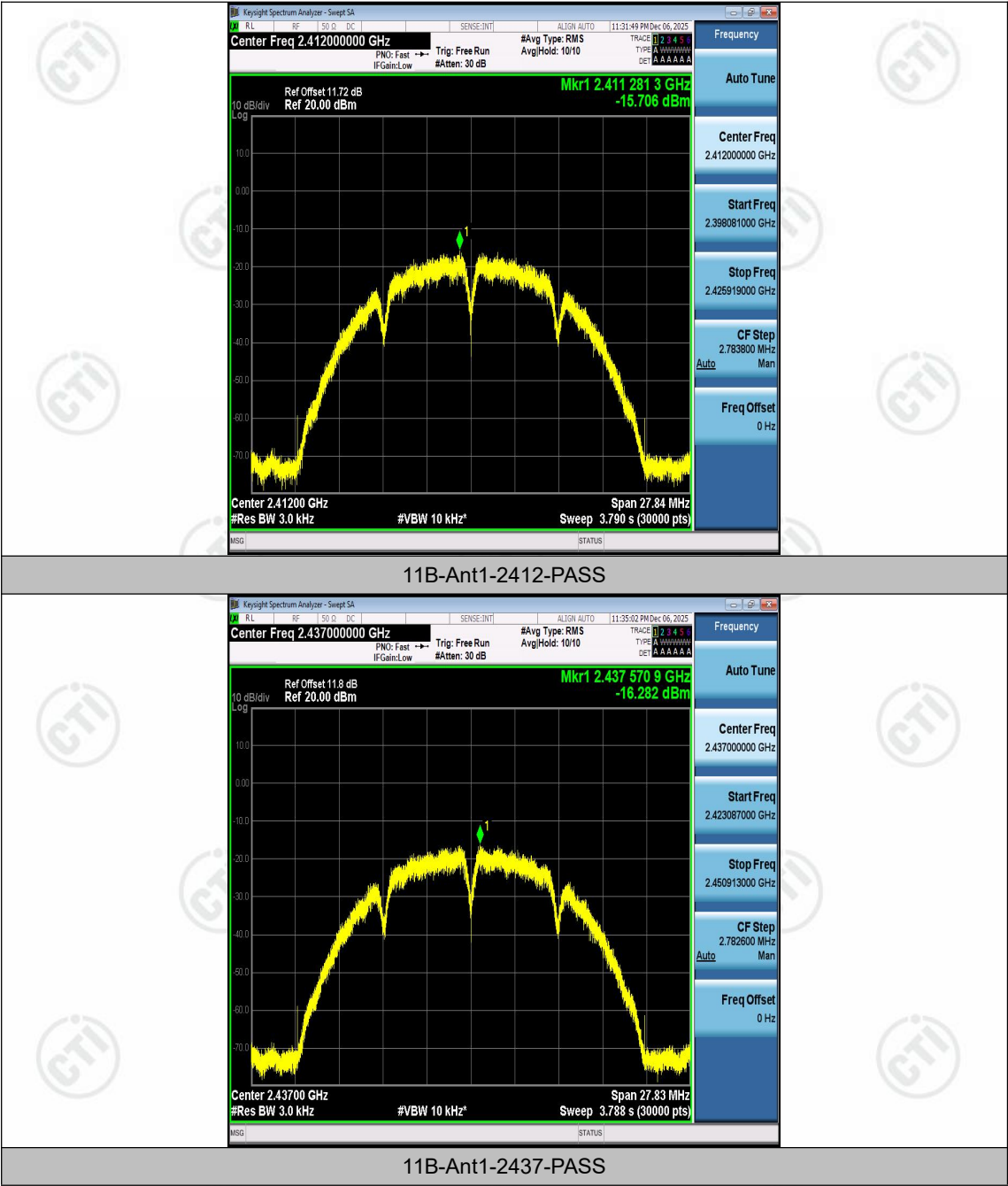
TestMode	Antenna	Frequen cy[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	13.66	≤30.00	PASS
11B	Ant1	2437	13.78	≤30.00	PASS
11B	Ant1	2462	13.03	≤30.00	PASS
11G	Ant1	2412	13.26	≤30.00	PASS
11G	Ant1	2437	13.22	≤30.00	PASS
11G	Ant1	2462	13.99	≤30.00	PASS
11N20SISO	Ant1	2412	13.03	≤30.00	PASS
11N20SISO	Ant1	2437	13.92	≤30.00	PASS
11N20SISO	Ant1	2462	13.94	≤30.00	PASS
11N40SISO	Ant1	2422	13.25	≤30.00	PASS
11N40SISO	Ant1	2437	13.90	≤30.00	PASS
11N40SISO	Ant1	2452	13.84	≤30.00	PASS

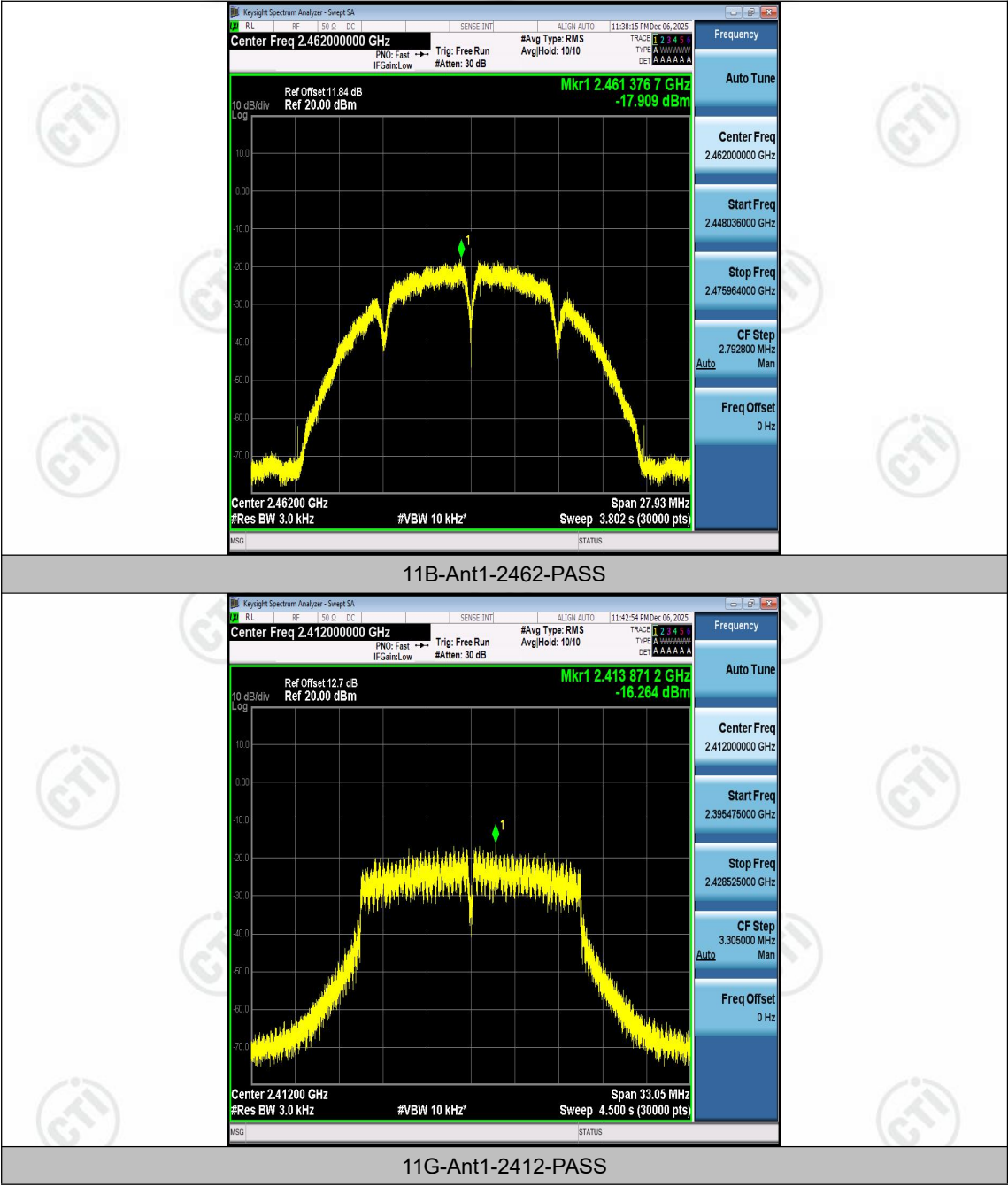
Appendix D: Maximum power spectral density

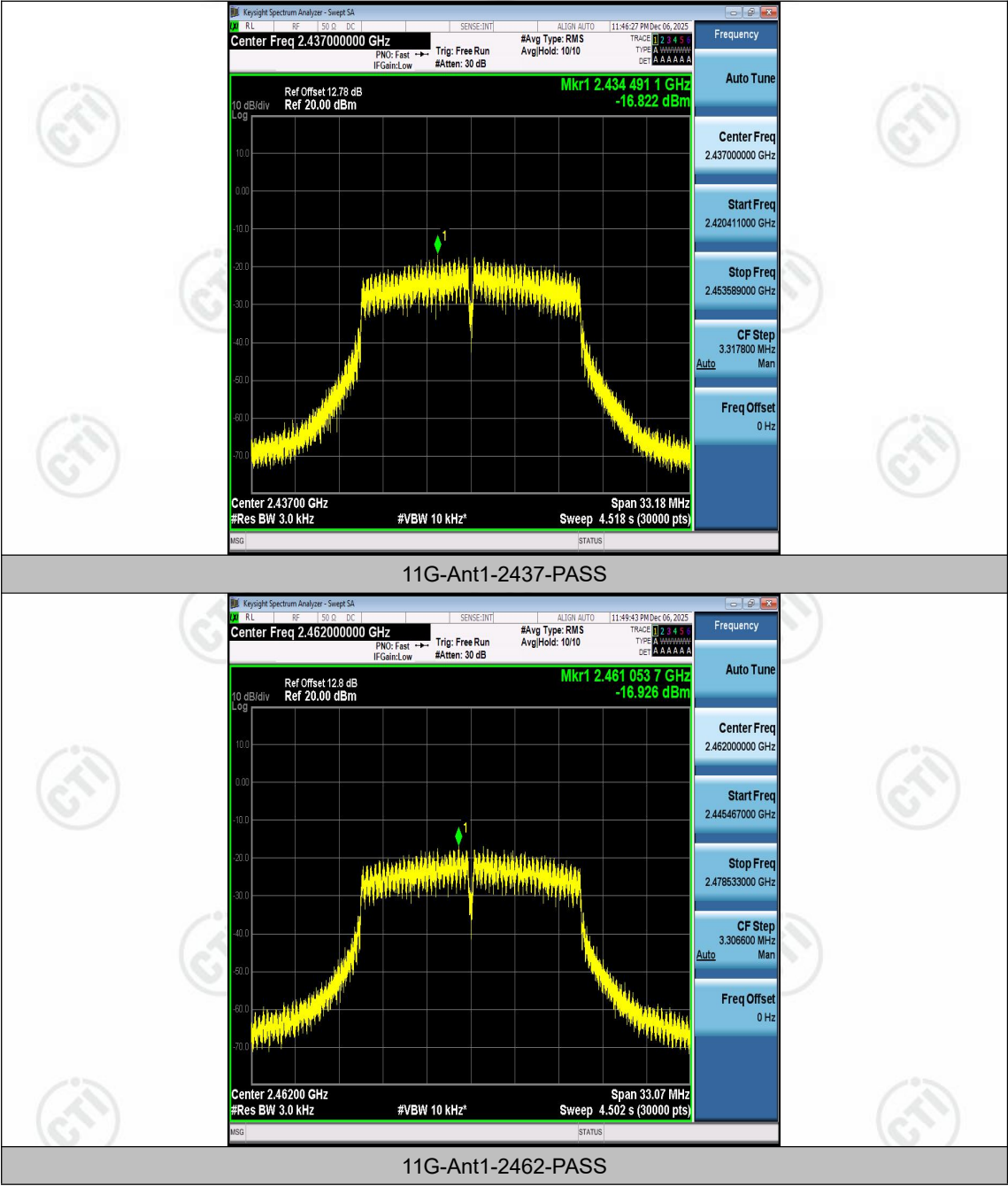
Test Result

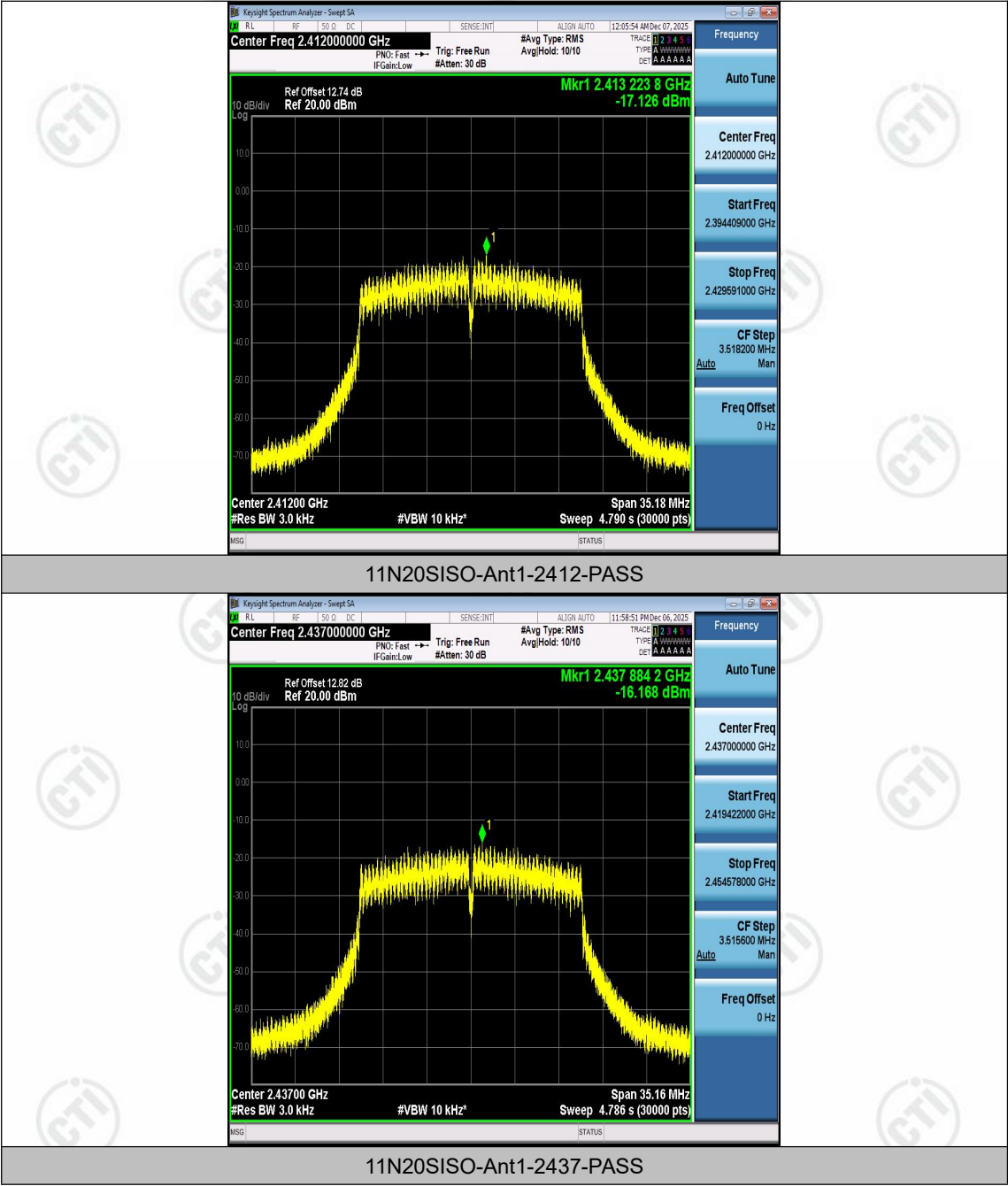
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.71	≤8.00	PASS
11B	Ant1	2437	-16.28	≤8.00	PASS
11B	Ant1	2462	-17.91	≤8.00	PASS
11G	Ant1	2412	-16.26	≤8.00	PASS
11G	Ant1	2437	-16.82	≤8.00	PASS
11G	Ant1	2462	-16.93	≤8.00	PASS
11N20SISO	Ant1	2412	-17.13	≤8.00	PASS
11N20SISO	Ant1	2437	-16.17	≤8.00	PASS
11N20SISO	Ant1	2462	-15.89	≤8.00	PASS
11N40SISO	Ant1	2422	-18.56	≤8.00	PASS
11N40SISO	Ant1	2437	-18.02	≤8.00	PASS
11N40SISO	Ant1	2452	-19.35	≤8.00	PASS

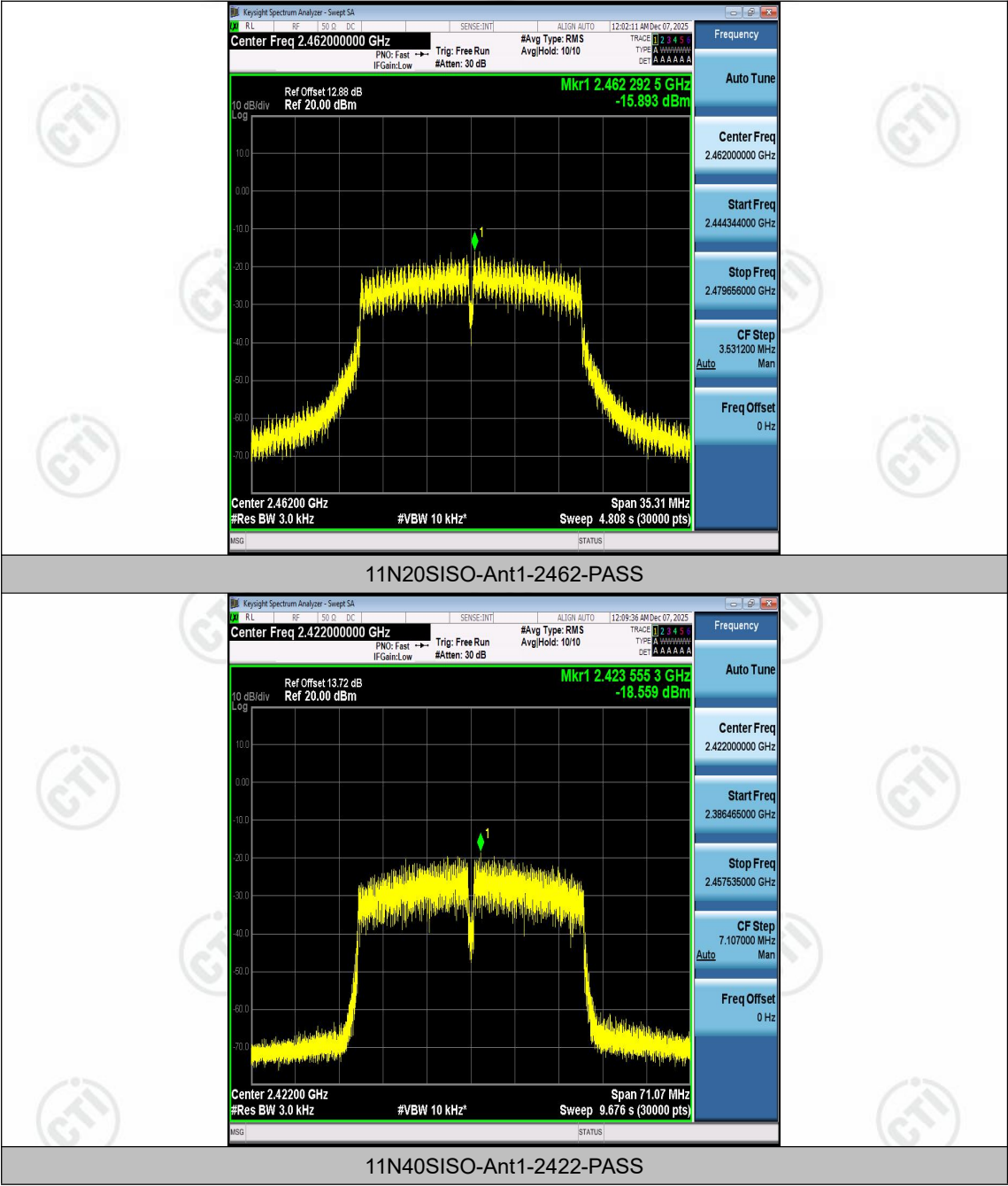
Test Graphs

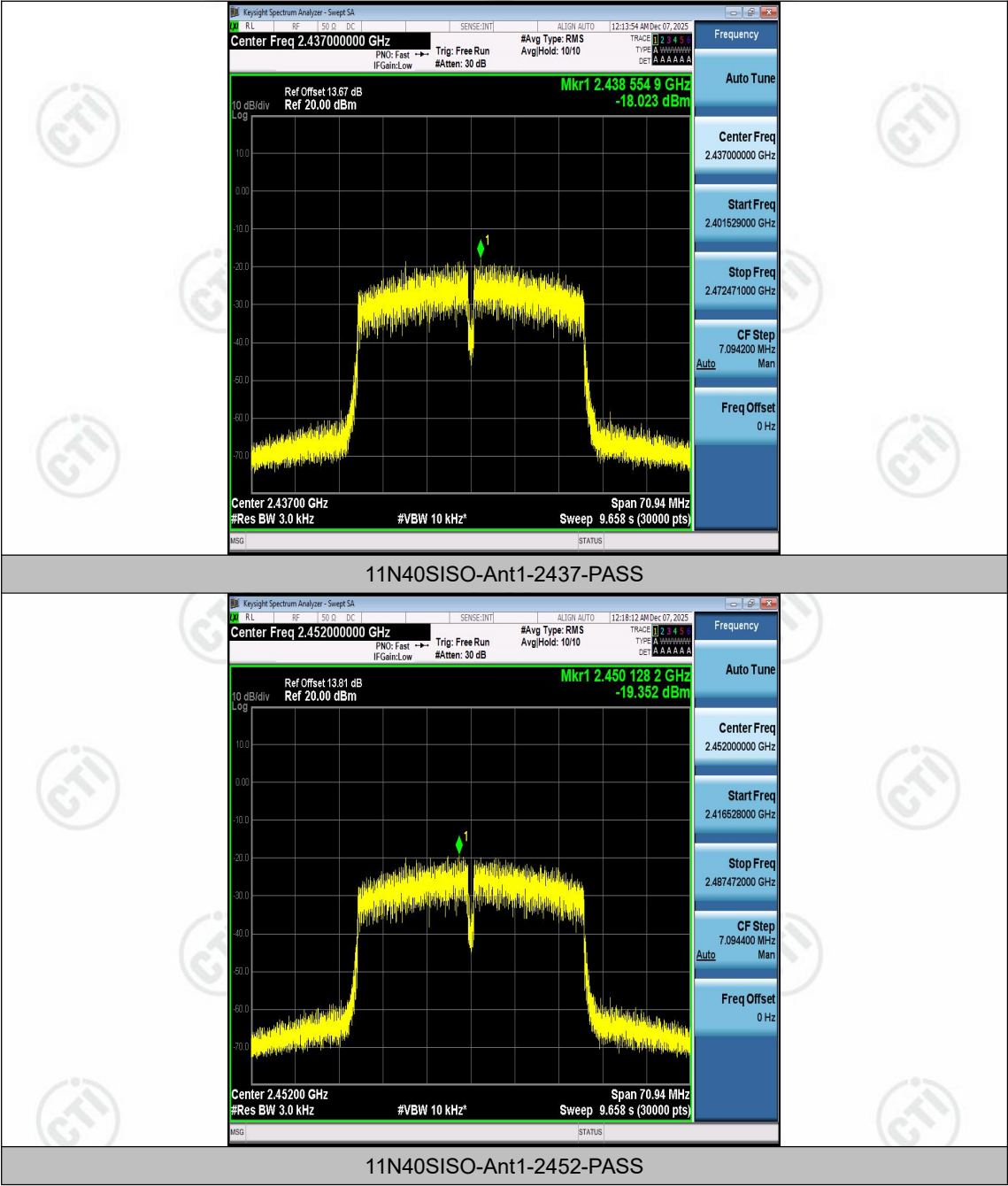












Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.61	-44.31	≤-15.39	PASS
11B	Ant1	High	2462	2.37	-46.96	≤-17.63	PASS
11G	Ant1	Low	2412	2.22	-38.8	≤-17.78	PASS
11G	Ant1	High	2462	1.74	-46.09	≤-18.26	PASS
11N20SISO	Ant1	Low	2412	3.47	-35.73	≤-16.53	PASS
11N20SISO	Ant1	High	2462	0.80	-44.93	≤-19.2	PASS
11N40SISO	Ant1	Low	2422	-0.19	-43.41	≤-20.19	PASS
11N40SISO	Ant1	High	2452	-0.20	-40.41	≤-20.2	PASS

Test Graphs

