

Appendix: 2.4G Wi-Fi

Contents

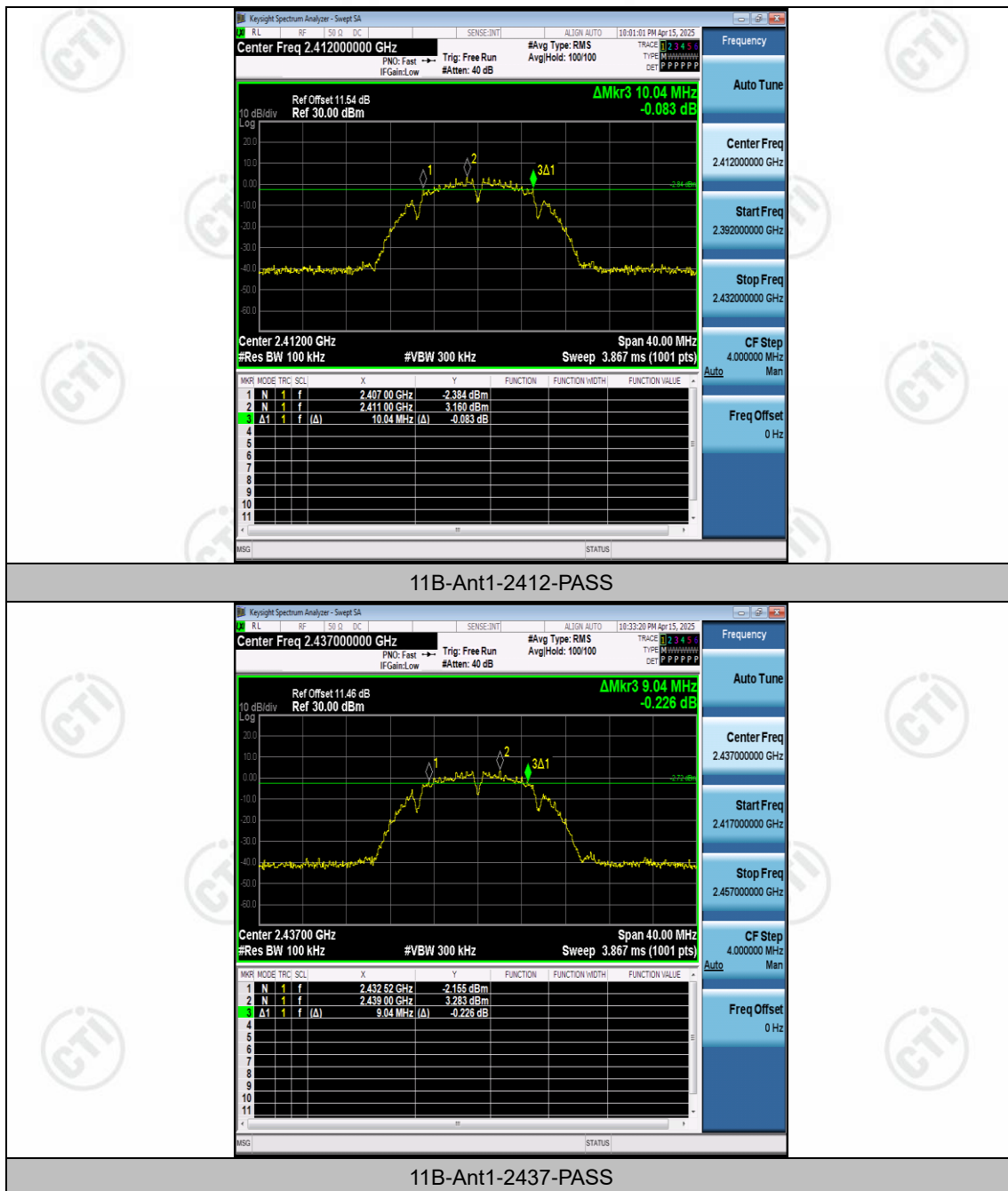
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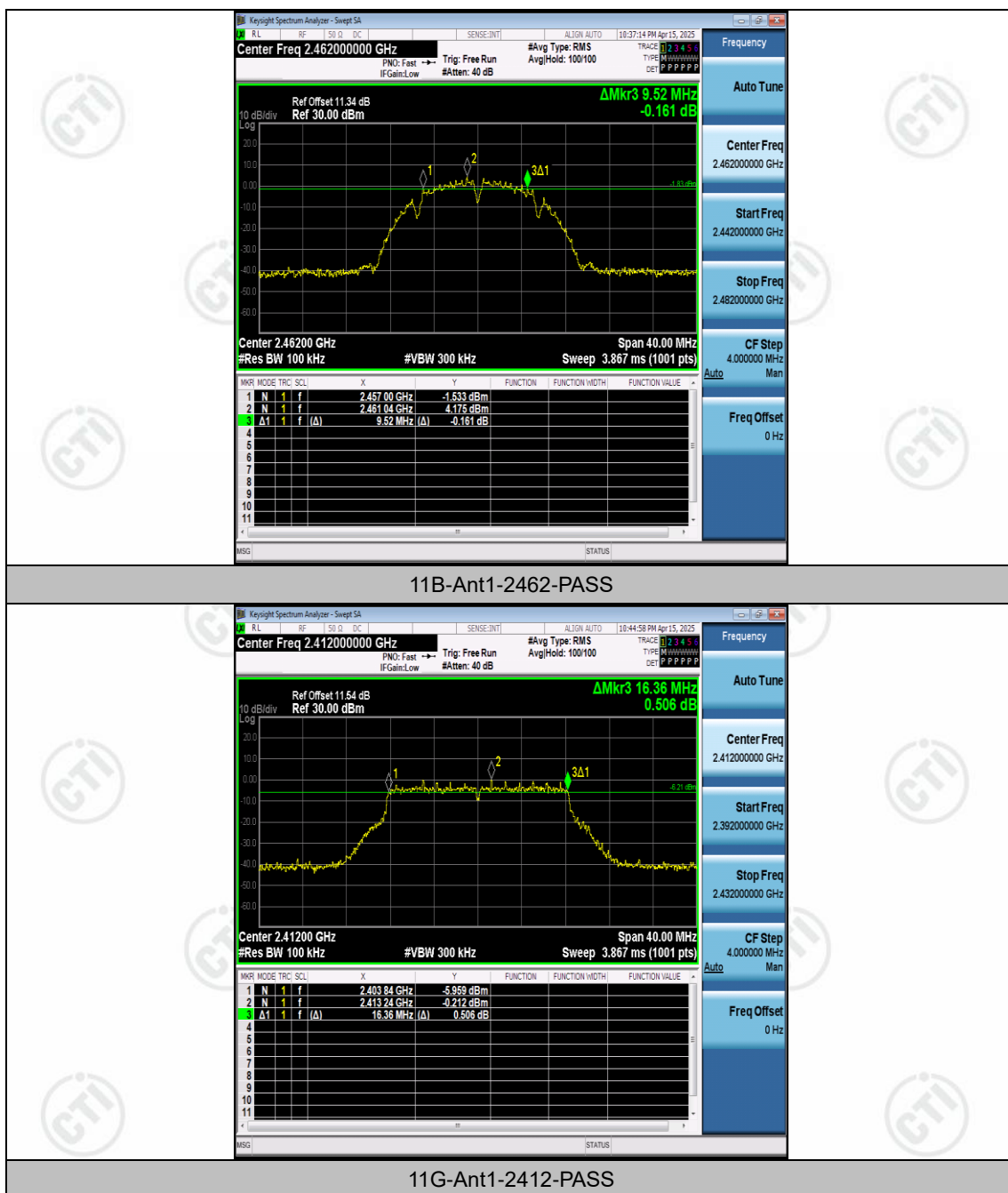
Appendix A: DTS Bandwidth

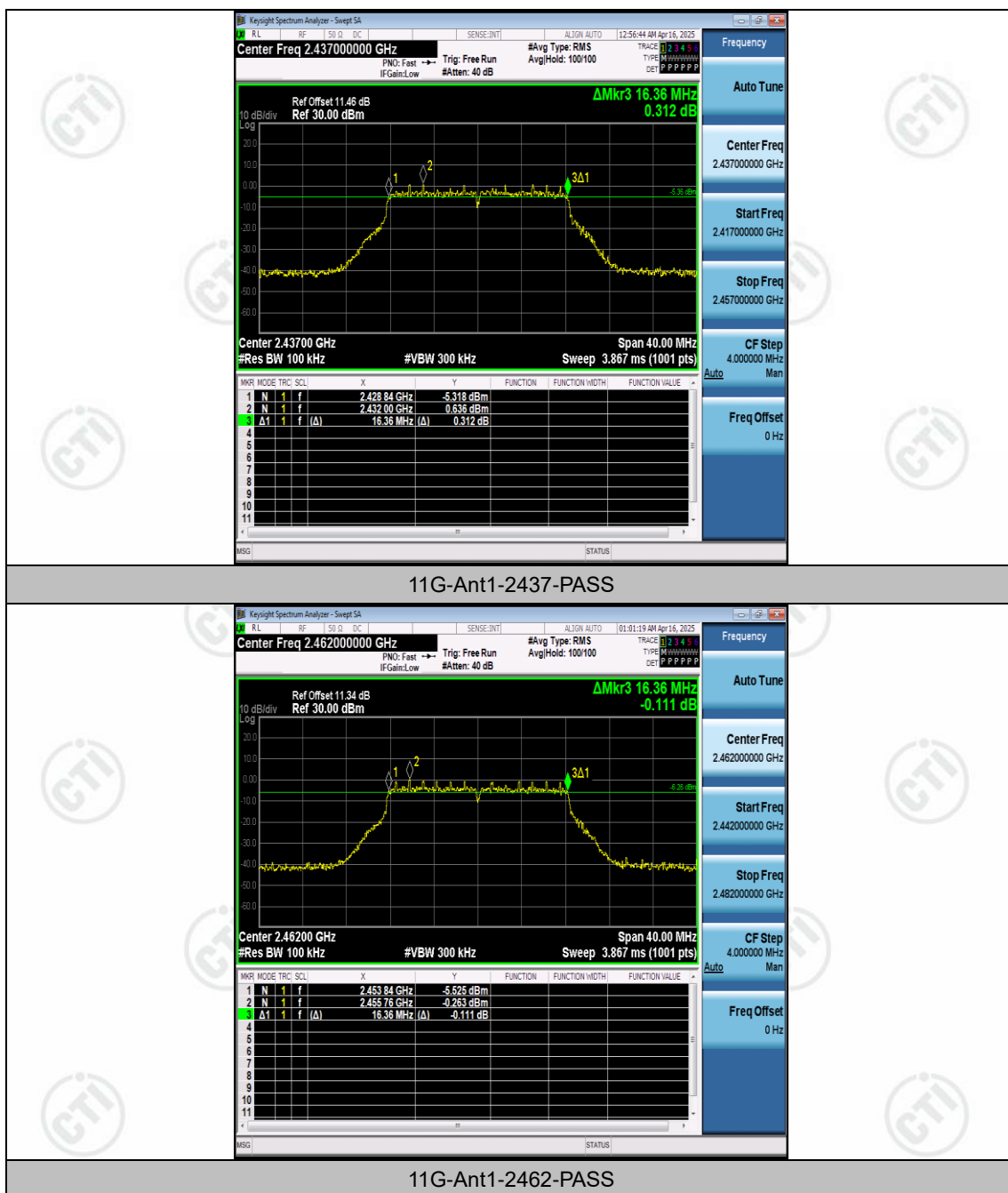
Test Result

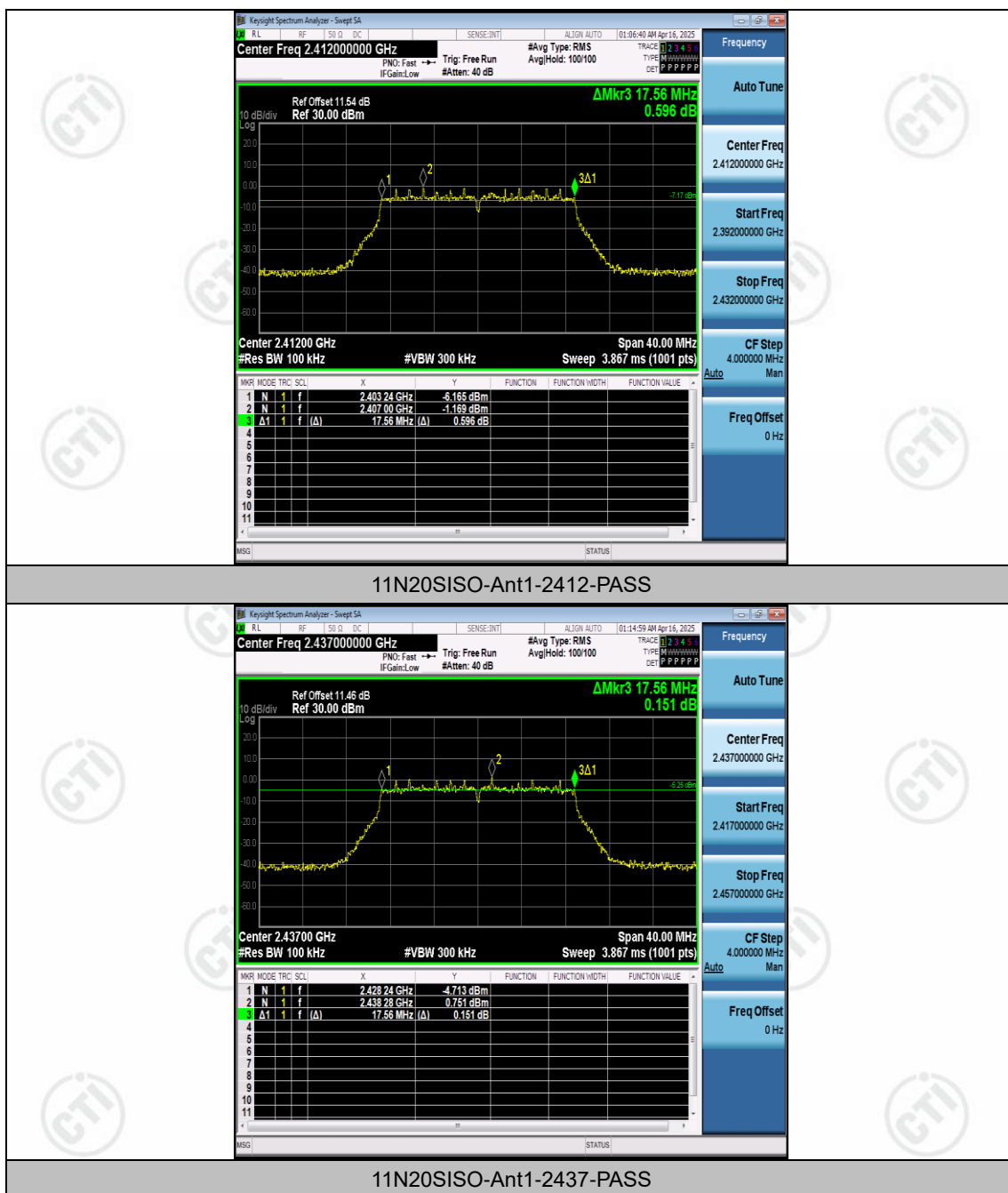
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.040	2407.000	2417.040	0.5	PASS
11B	Ant1	2437	9.040	2432.520	2441.560	0.5	PASS
11B	Ant1	2462	9.520	2457.000	2466.520	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
11G	Ant1	2437	16.360	2428.840	2445.200	0.5	PASS
11G	Ant1	2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	0.5	PASS
11N20SISO	Ant1	2437	17.560	2428.240	2445.800	0.5	PASS
11N20SISO	Ant1	2462	17.560	2453.240	2470.800	0.5	PASS

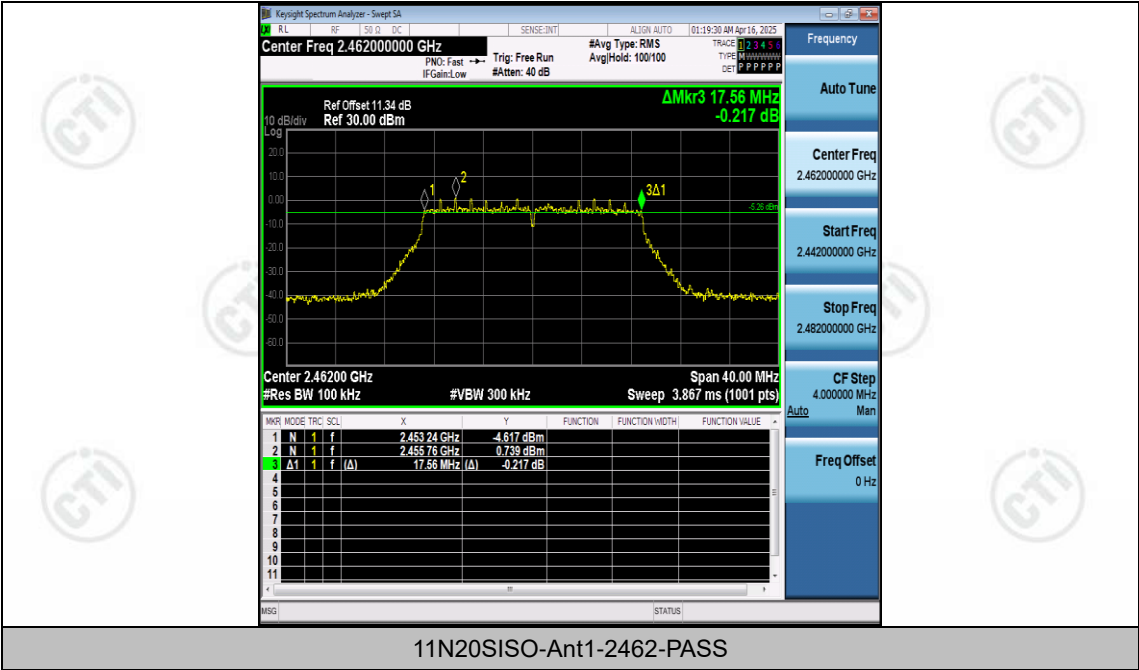
Test Graphs









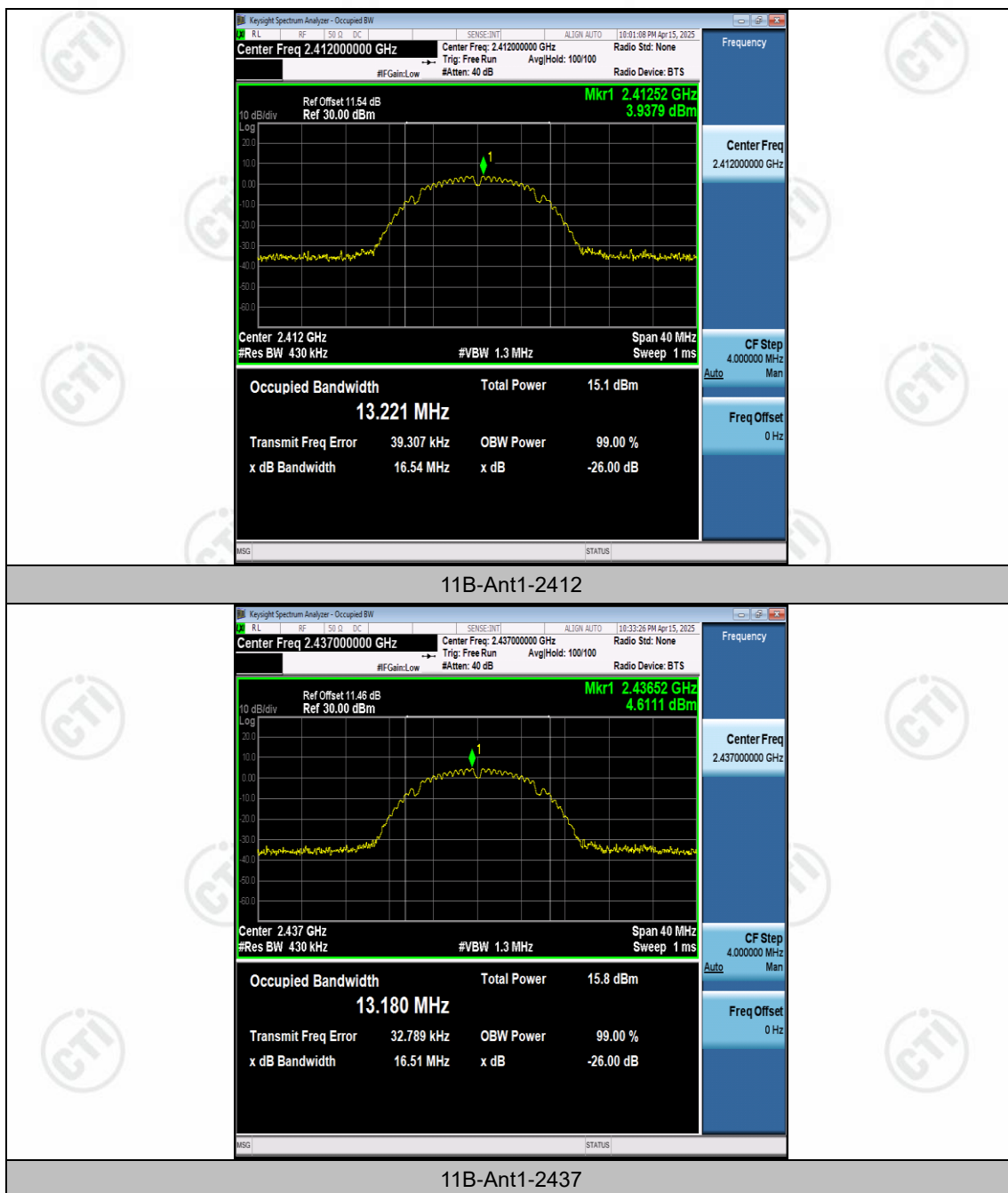


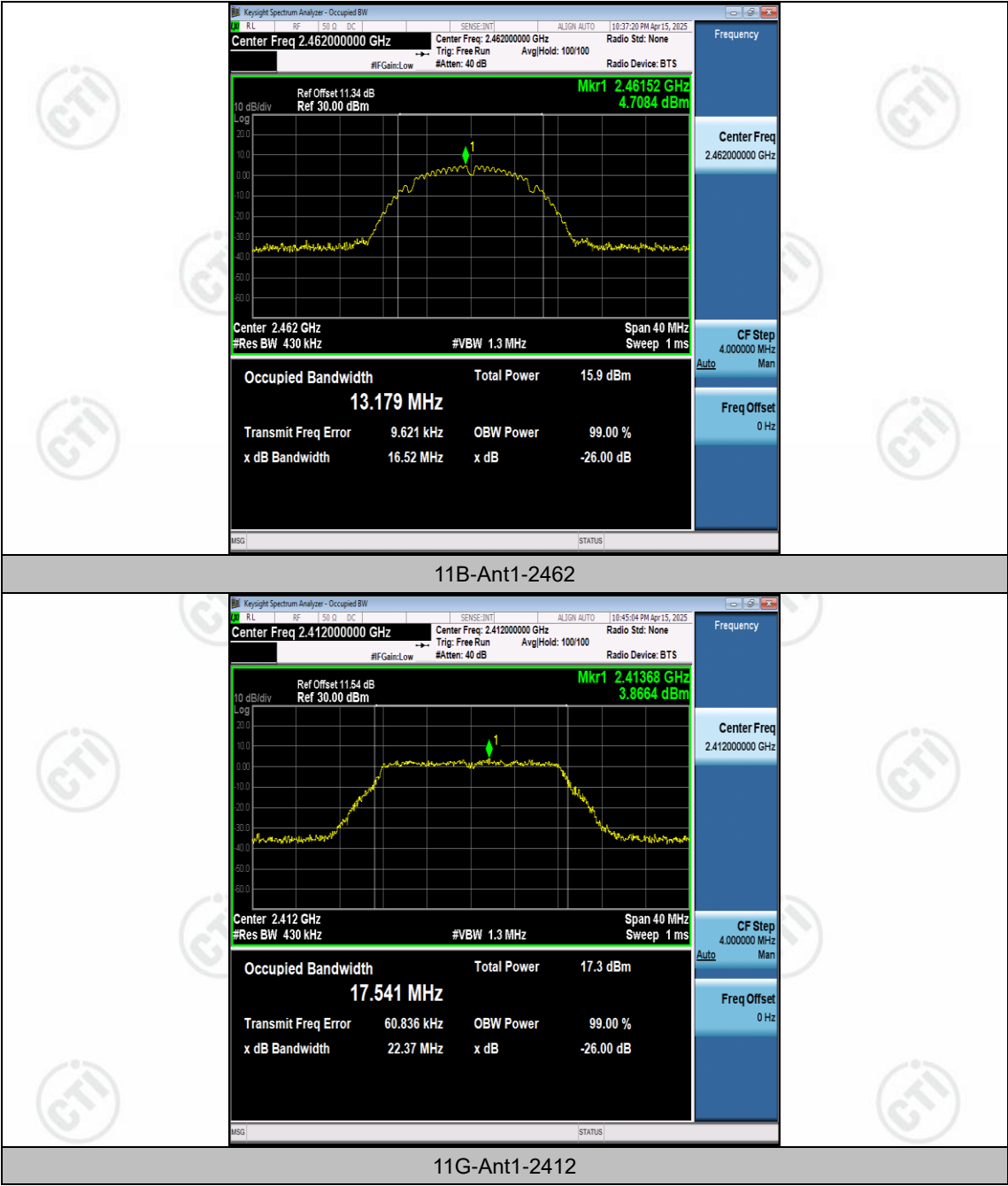
Appendix B: Occupied Channel Bandwidth

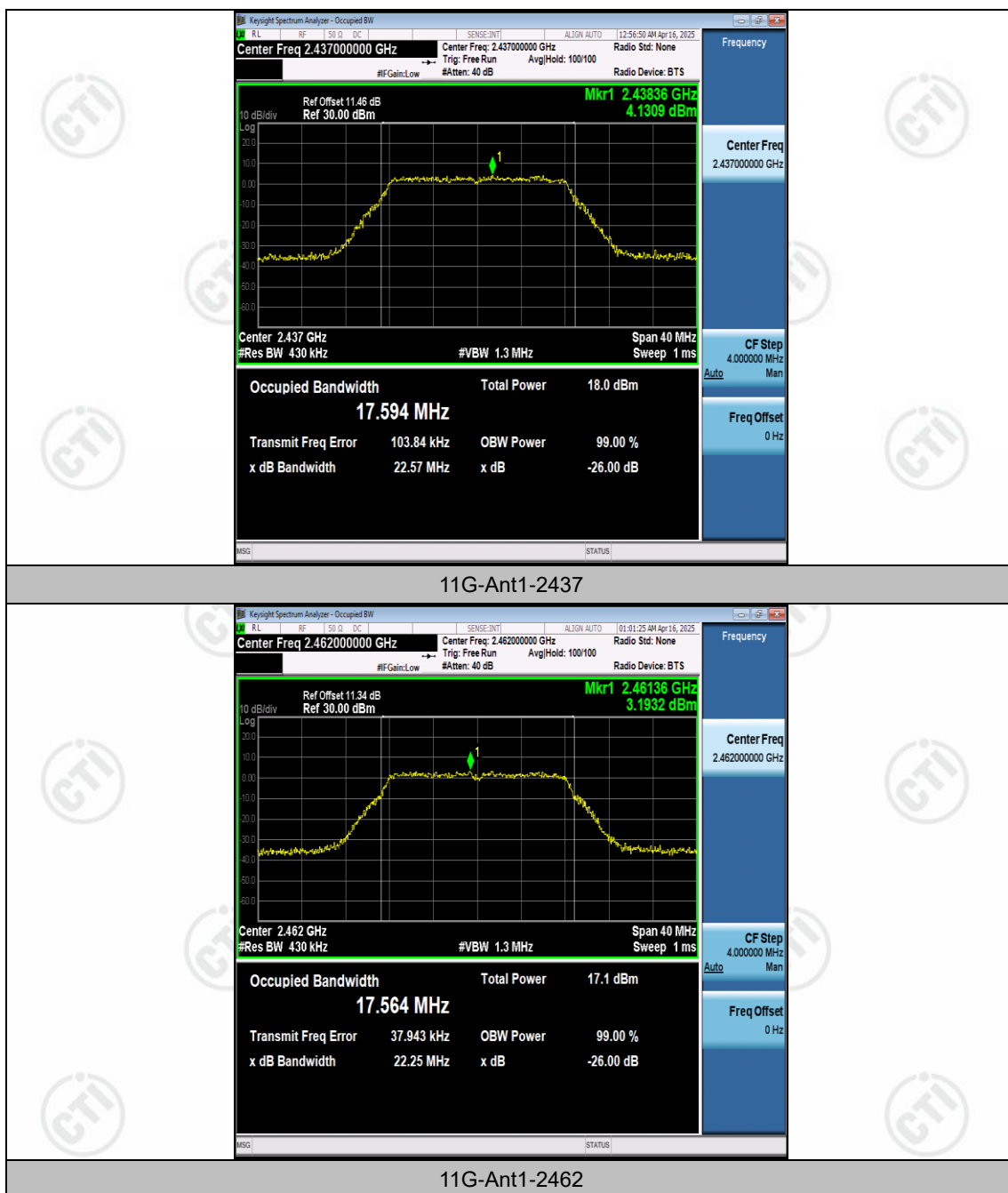
Test Result

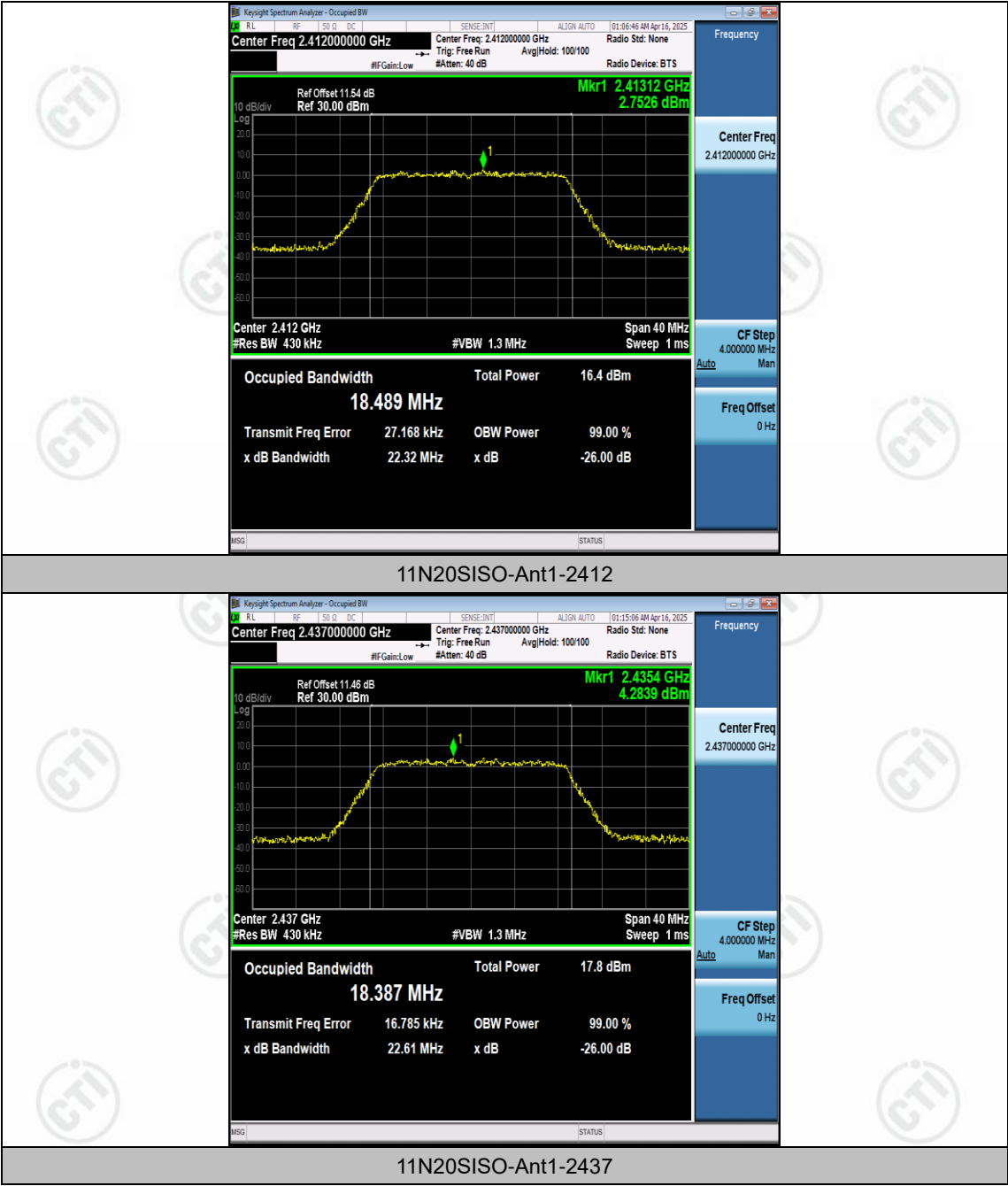
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	13.221	2405.4288	2418.6498	---	---
11B	Ant1	2437	13.180	2430.4428	2443.6228	---	---
11B	Ant1	2462	13.179	2455.4201	2468.5991	---	---
11G	Ant1	2412	17.541	2403.2903	2420.8313	---	---
11G	Ant1	2437	17.594	2428.3068	2445.9008	---	---
11G	Ant1	2462	17.564	2453.2559	2470.8199	---	---
11N20SISO	Ant1	2412	18.489	2402.7827	2421.2717	---	---
11N20SISO	Ant1	2437	18.387	2427.8233	2446.2103	---	---
11N20SISO	Ant1	2462	18.466	2452.7313	2471.1973	---	---

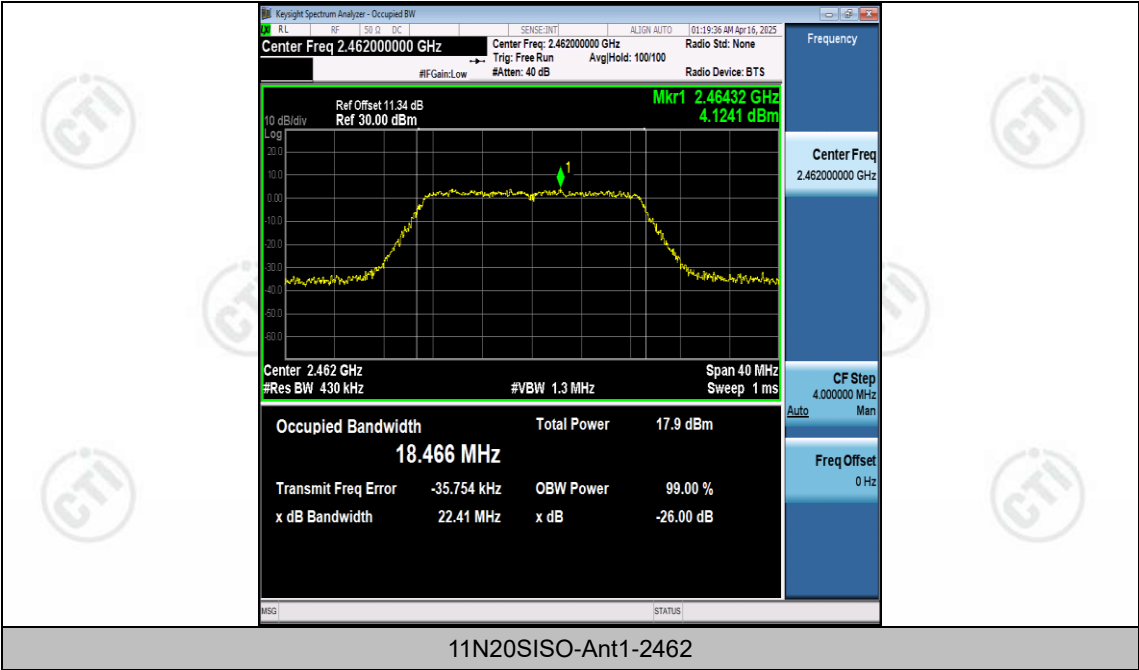
Test Graphs











Appendix C: Maximum conducted output power

Test Result

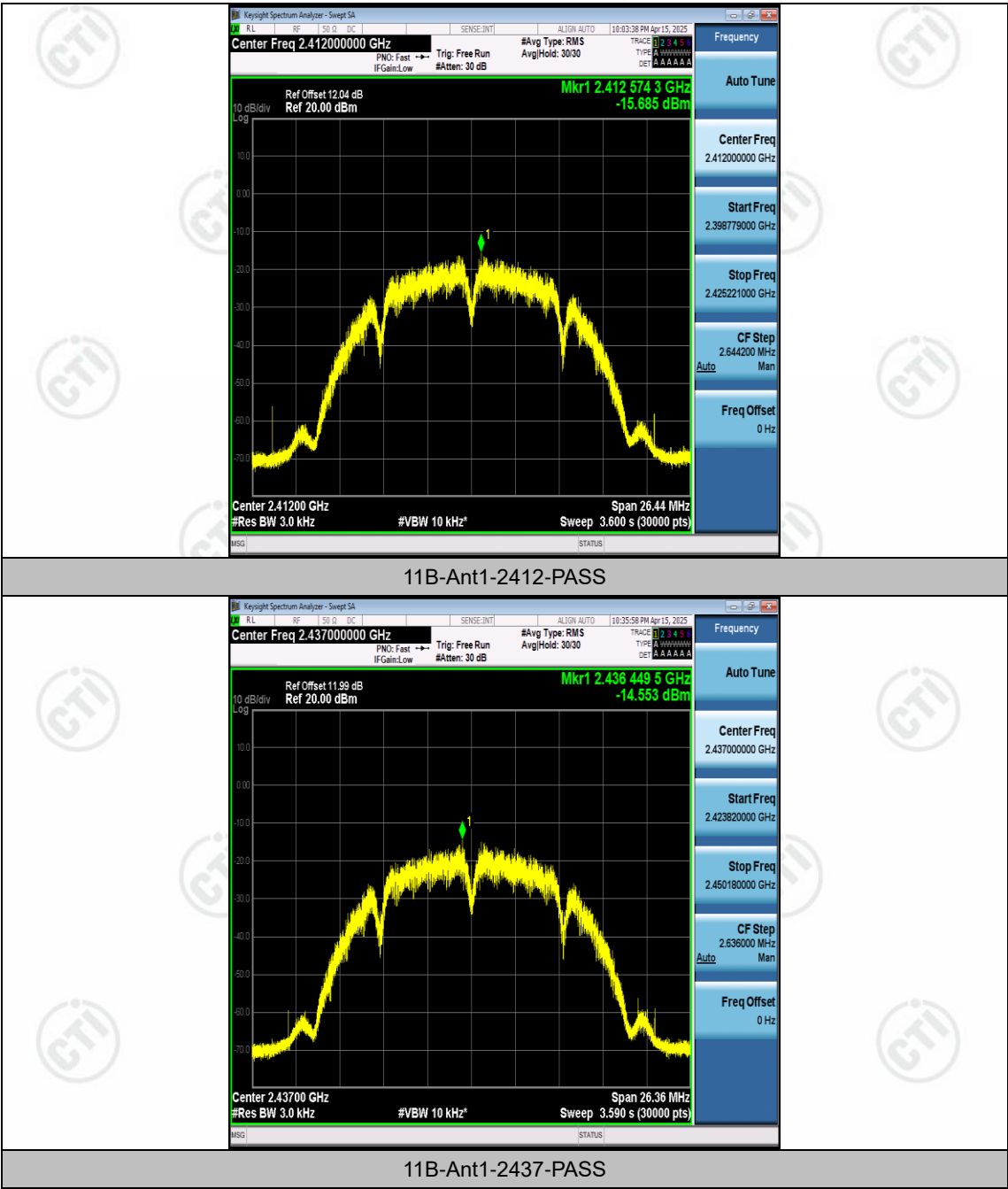
TestMode	Antenna	Frequency[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	---	12.36	≤30.00	16.32	≤36.00	PASS
11B	Ant1	2437	---	12.91	≤30.00	16.87	≤36.00	PASS
11B	Ant1	2462	---	12.53	≤30.00	16.49	≤36.00	PASS
11G	Ant1	2412	---	11.50	≤30.00	15.46	≤36.00	PASS
11G	Ant1	2437	---	12.12	≤30.00	16.08	≤36.00	PASS
11G	Ant1	2462	---	12.18	≤30.00	16.14	≤36.00	PASS
11N20SISO	Ant1	2412	---	11.19	≤30.00	15.15	≤36.00	PASS
11N20SISO	Ant1	2437	---	11.72	≤30.00	15.68	≤36.00	PASS
11N20SISO	Ant1	2462	---	11.49	≤30.00	15.45	≤36.00	PASS

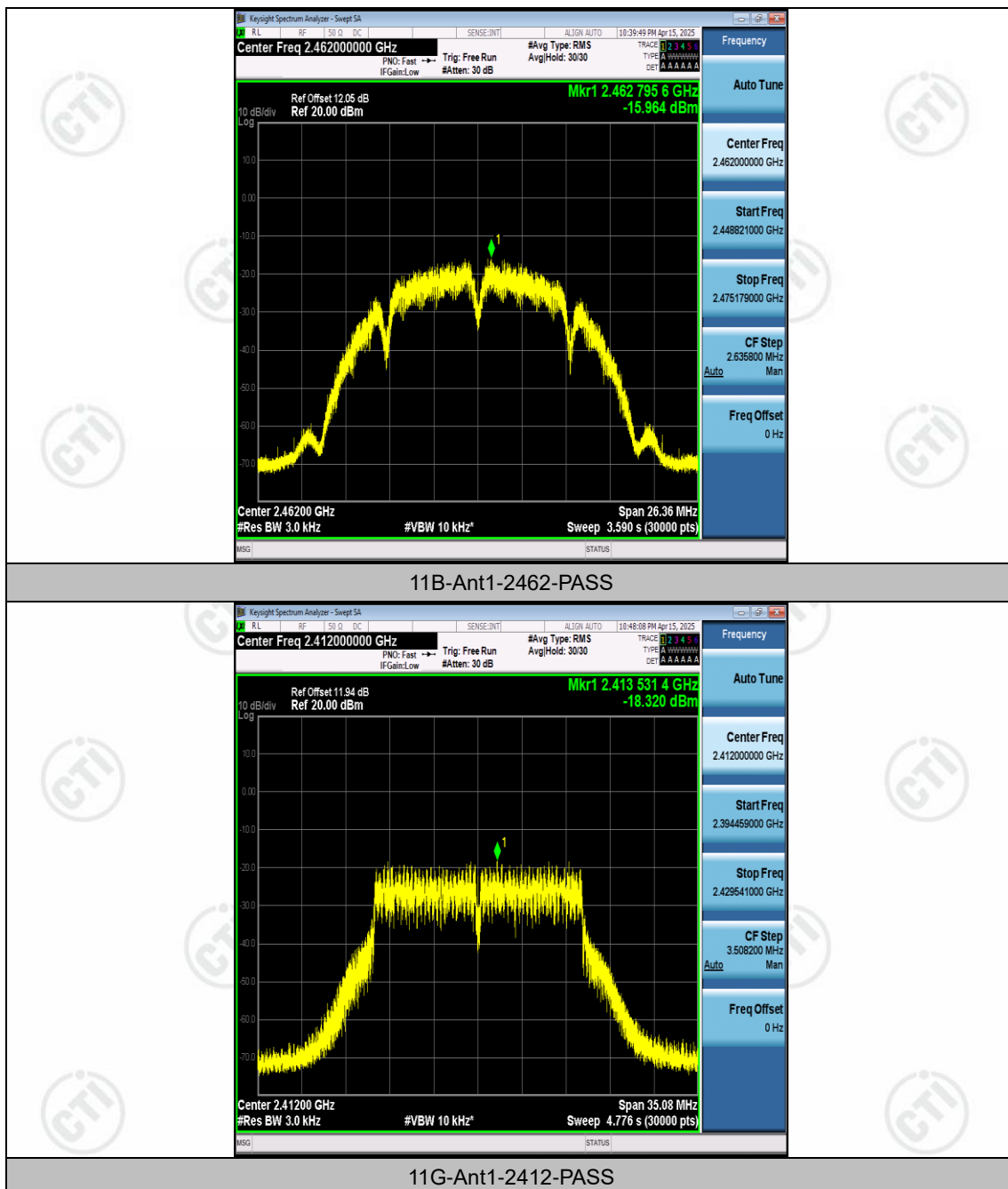
Appendix D: Maximum power spectral density

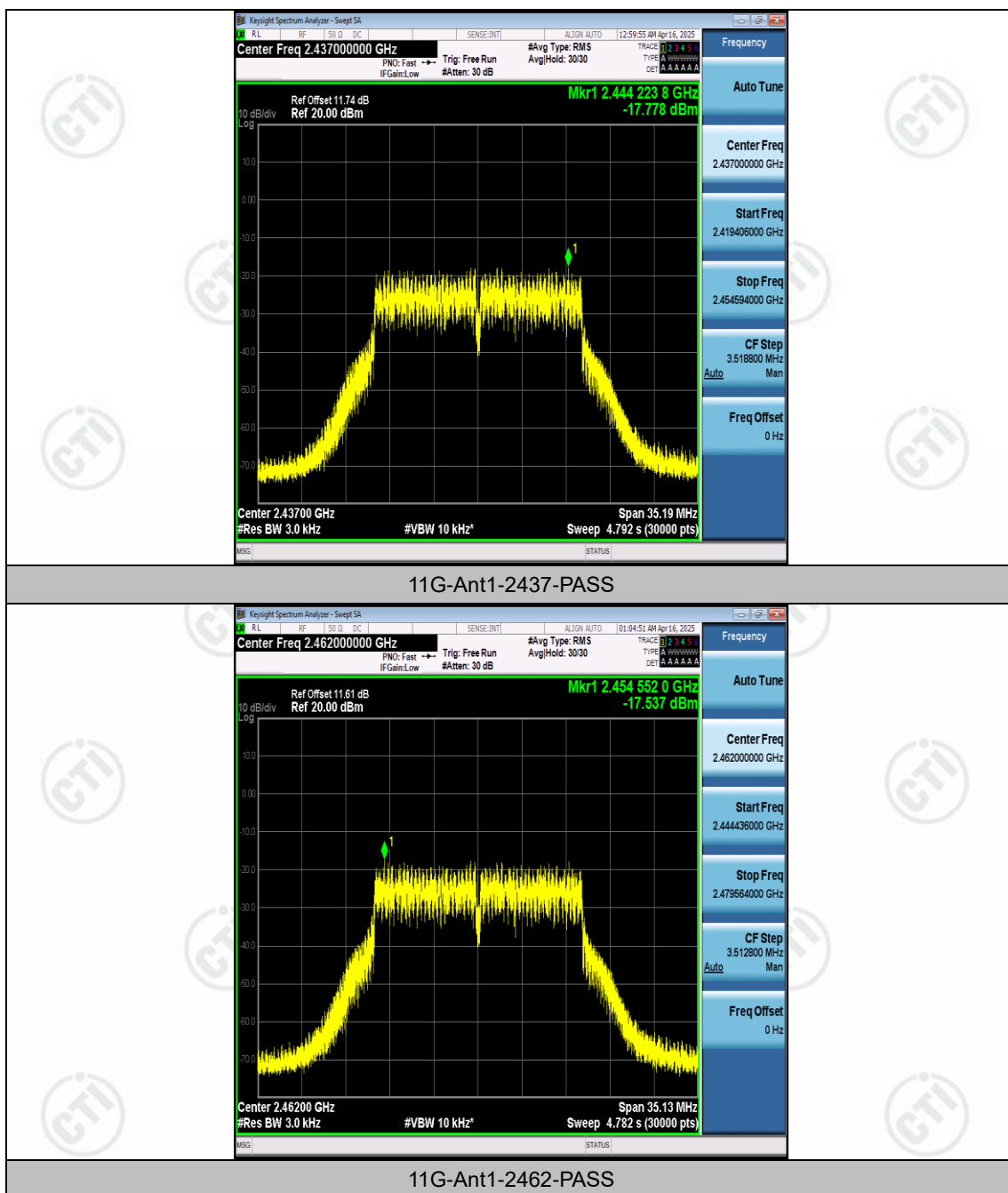
Test Result

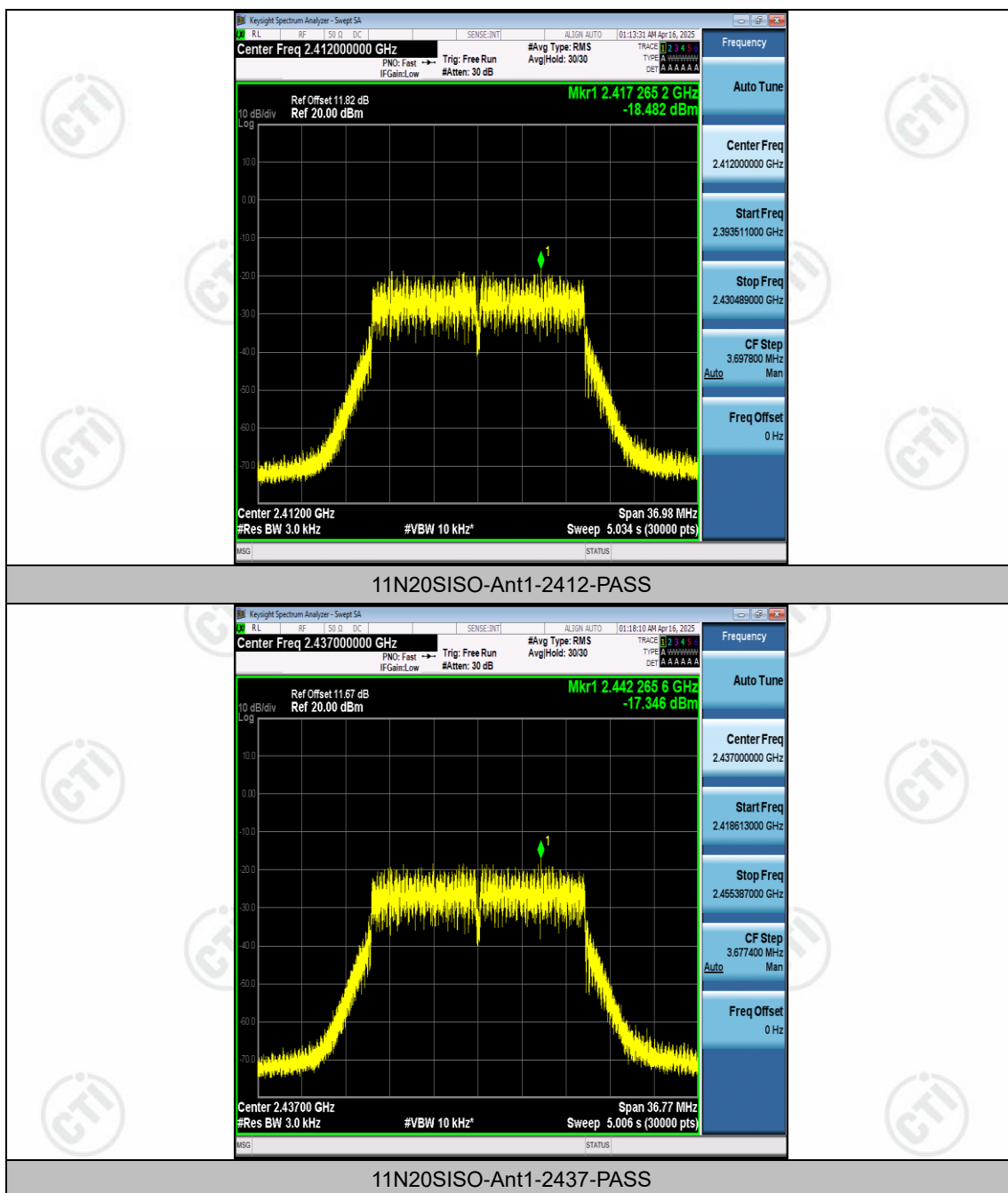
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.69	≤8.00	PASS
11B	Ant1	2437	-14.55	≤8.00	PASS
11B	Ant1	2462	-15.96	≤8.00	PASS
11G	Ant1	2412	-18.32	≤8.00	PASS
11G	Ant1	2437	-17.78	≤8.00	PASS
11G	Ant1	2462	-17.54	≤8.00	PASS
11N20SISO	Ant1	2412	-18.48	≤8.00	PASS
11N20SISO	Ant1	2437	-17.35	≤8.00	PASS
11N20SISO	Ant1	2462	-17.33	≤8.00	PASS

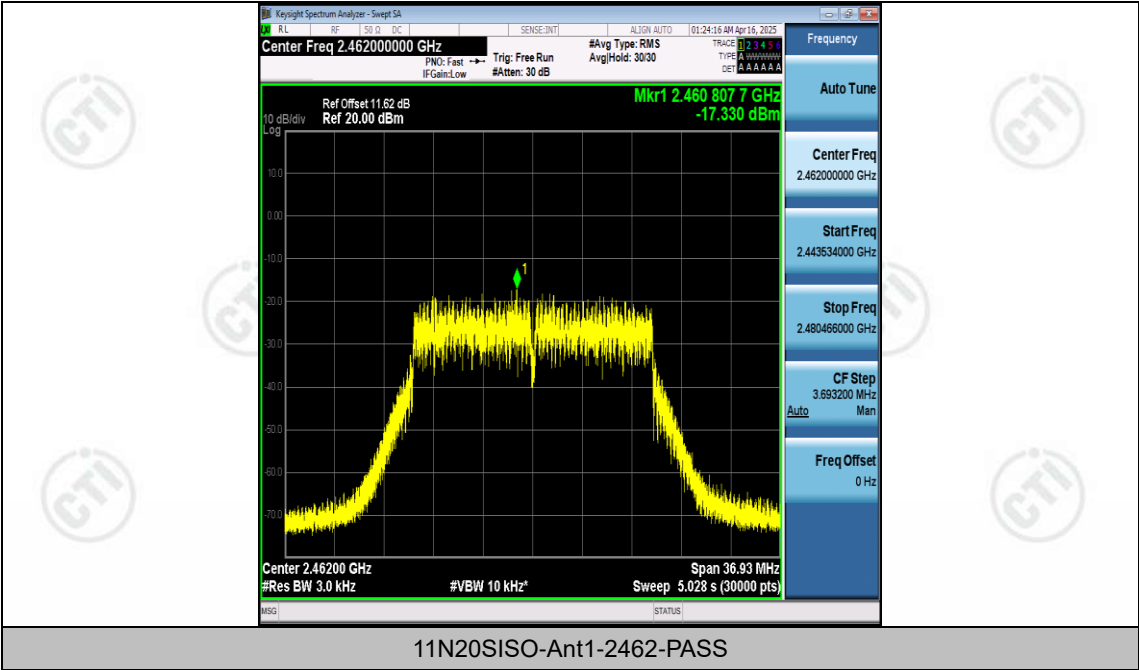
Test Graphs











Appendix F: Band edge measurements**Test Result**

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	3.00	-44.45	≤-27	PASS
11B	Ant1	High	2462	2.59	-47.1	≤-27.41	PASS
11G	Ant1	Low	2412	0.38	-37.64	≤-29.62	PASS
11G	Ant1	High	2462	0.69	-47.49	≤-29.31	PASS
11N20SISO	Ant1	Low	2412	0.12	-38.1	≤-29.88	PASS
11N20SISO	Ant1	High	2462	-0.02	-46.57	≤-30.02	PASS

Test Graphs

