

Appendix for WIFI 2.4GHz

Product Name: Lockly Secure Pro Latch Edition

Model No: PGD628W

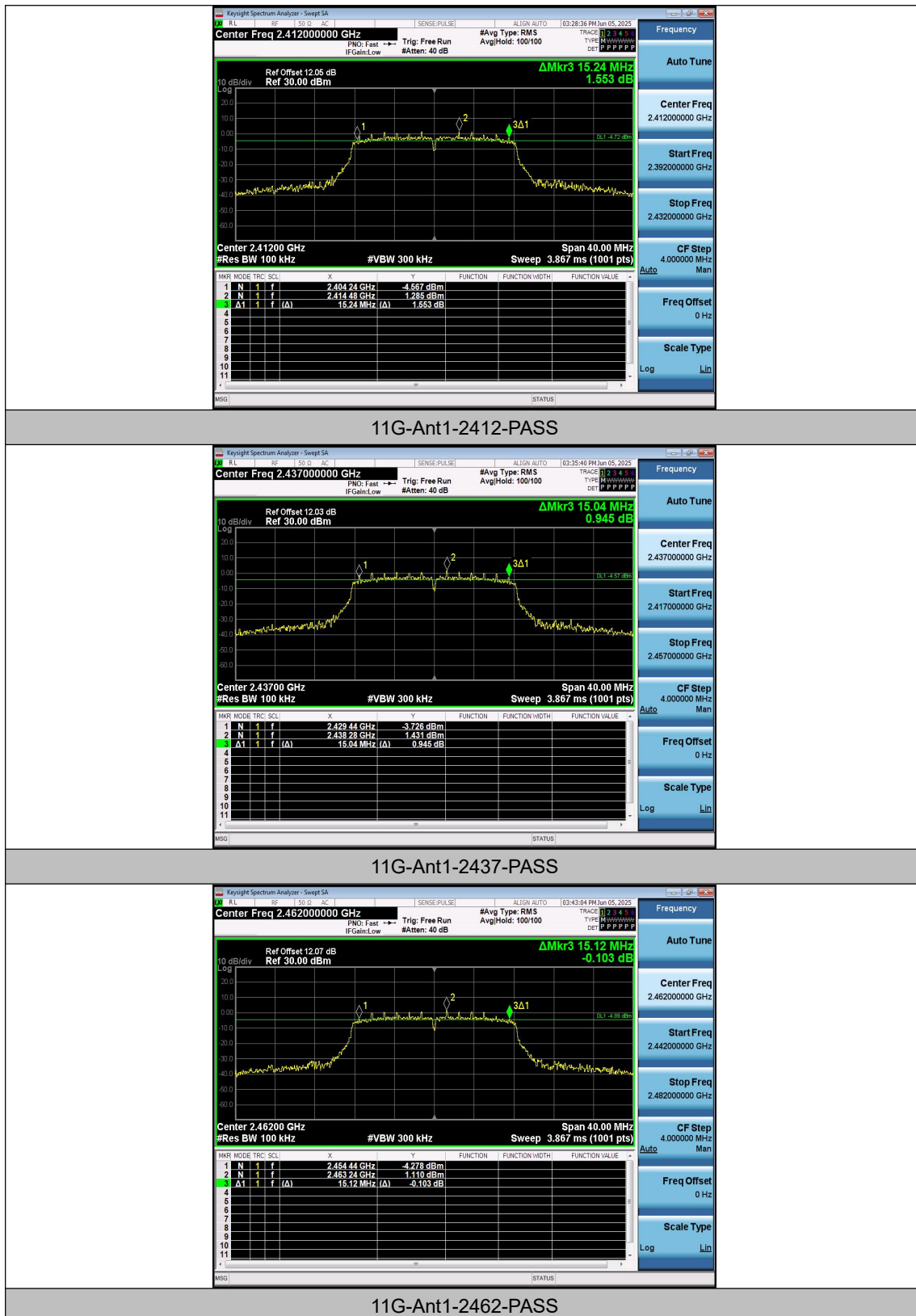
Appendix A: DTS Bandwidth

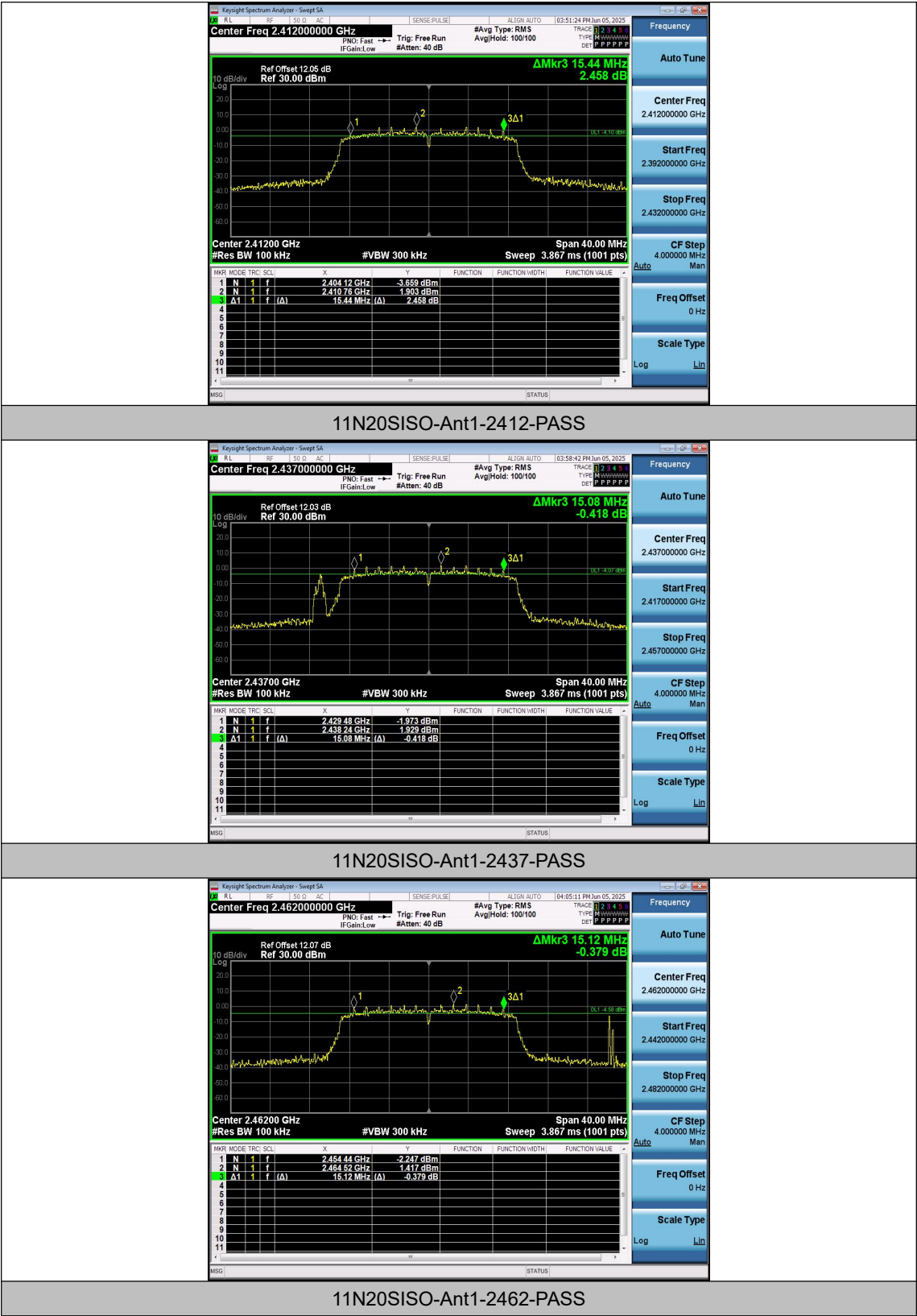
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.000	2407.520	2416.520	0.5	PASS
11B	Ant1	2437	9.560	2431.960	2441.520	0.5	PASS
11B	Ant1	2462	8.040	2458.000	2466.040	0.5	PASS
11G	Ant1	2412	15.240	2404.240	2419.480	0.5	PASS
11G	Ant1	2437	15.040	2429.440	2444.480	0.5	PASS
11G	Ant1	2462	15.120	2454.440	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.440	2404.120	2419.560	0.5	PASS
11N20SISO	Ant1	2437	15.080	2429.480	2444.560	0.5	PASS
11N20SISO	Ant1	2462	15.120	2454.440	2469.560	0.5	PASS

Test Graphs







Appendix B: Maximum conducted output power**Test Result Peak**

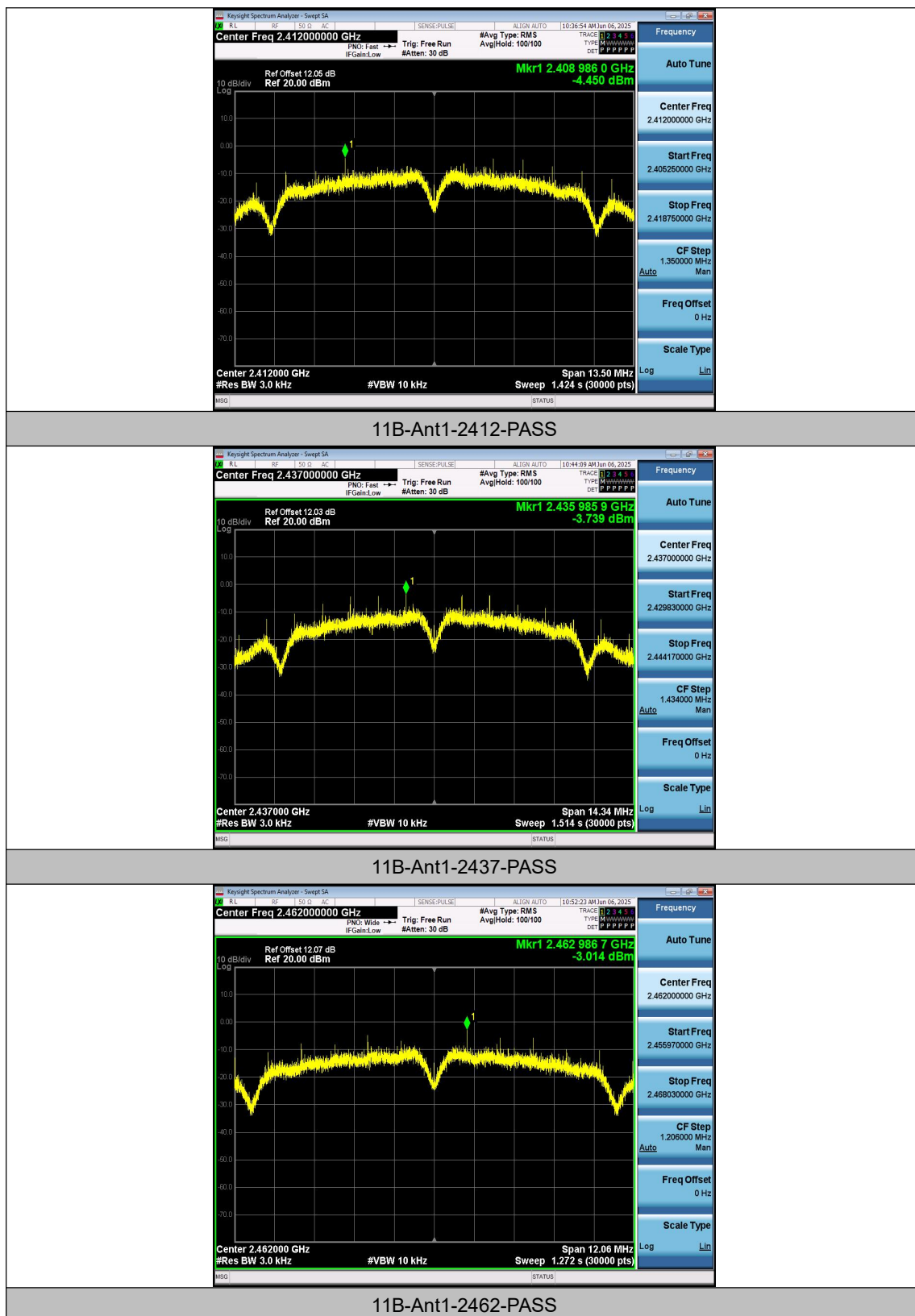
TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.10	≤30.00	PASS
11B	Ant1	2437	15.26	≤30.00	PASS
11B	Ant1	2462	15.08	≤30.00	PASS
11G	Ant1	2412	12.68	≤30.00	PASS
11G	Ant1	2437	12.48	≤30.00	PASS
11G	Ant1	2462	12.35	≤30.00	PASS
11N20SISO	Ant1	2412	13.24	≤30.00	PASS
11N20SISO	Ant1	2437	13.16	≤30.00	PASS
11N20SISO	Ant1	2462	12.95	≤30.00	PASS

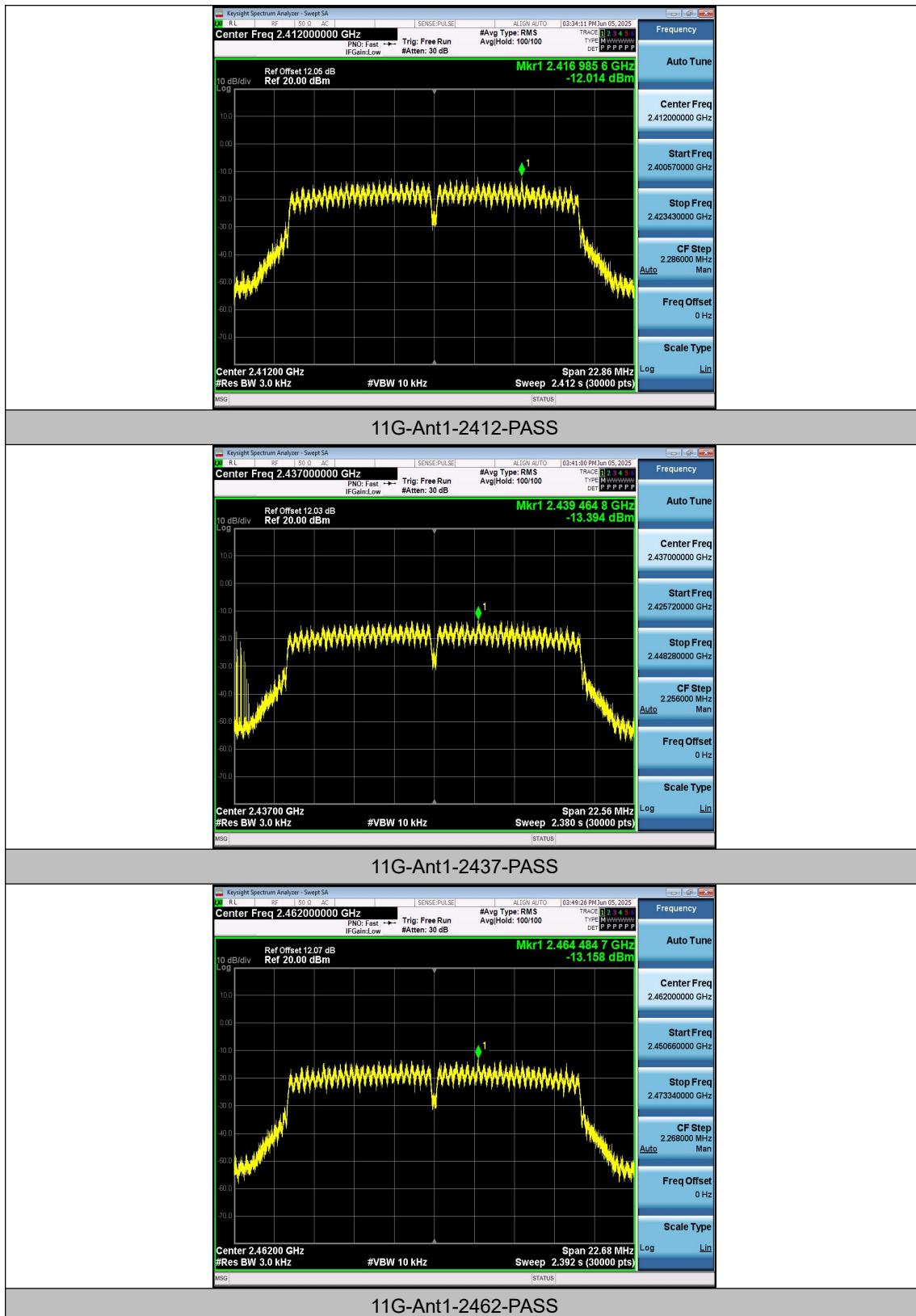
Appendix C: Maximum power spectral density

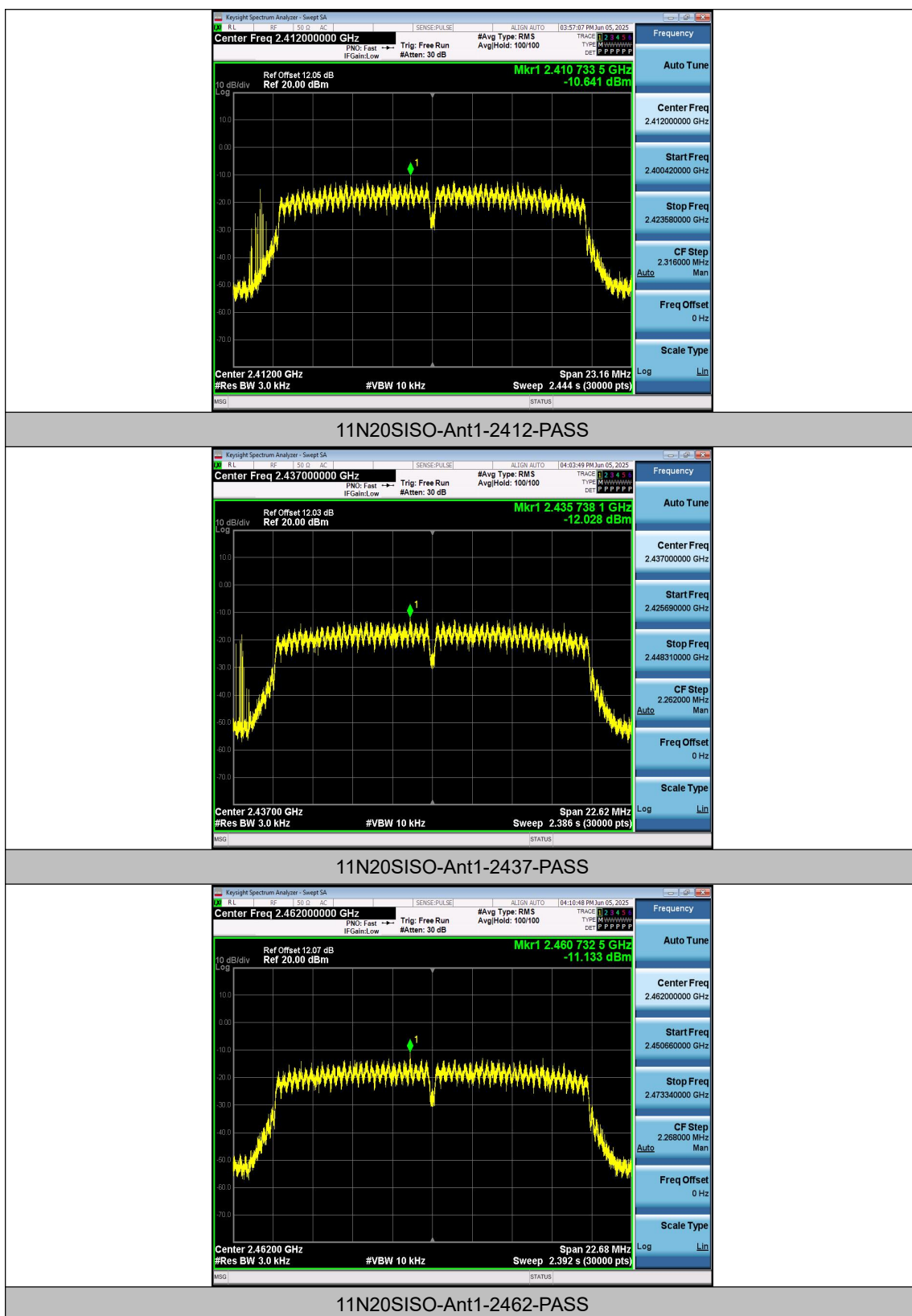
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.45	≤8.00	PASS
11B	Ant1	2437	-3.74	≤8.00	PASS
11B	Ant1	2462	-3.01	≤8.00	PASS
11G	Ant1	2412	-12.01	≤8.00	PASS
11G	Ant1	2437	-13.39	≤8.00	PASS
11G	Ant1	2462	-13.16	≤8.00	PASS
11N20SISO	Ant1	2412	-10.64	≤8.00	PASS
11N20SISO	Ant1	2437	-12.03	≤8.00	PASS
11N20SISO	Ant1	2462	-11.13	≤8.00	PASS

Test Graphs





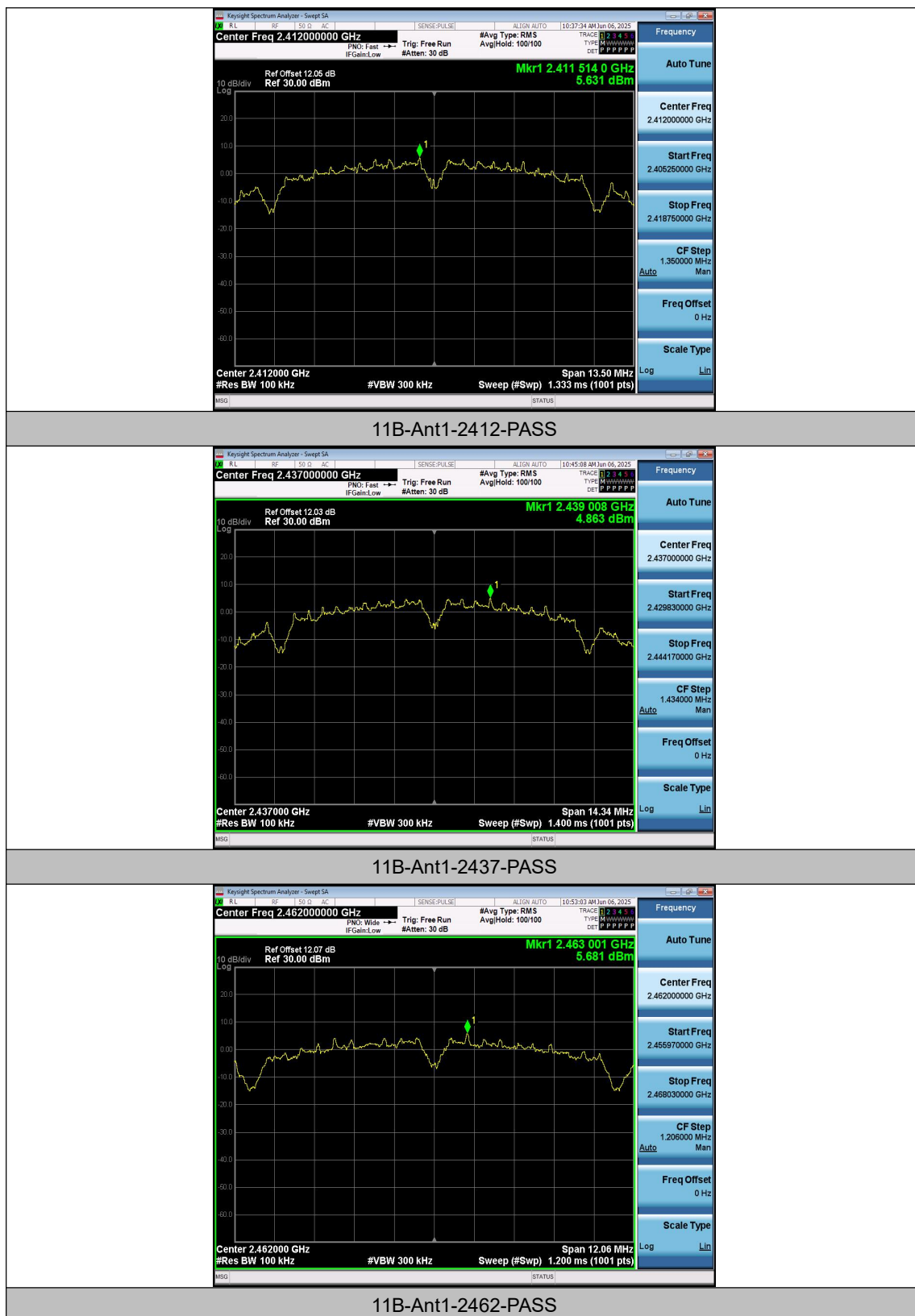


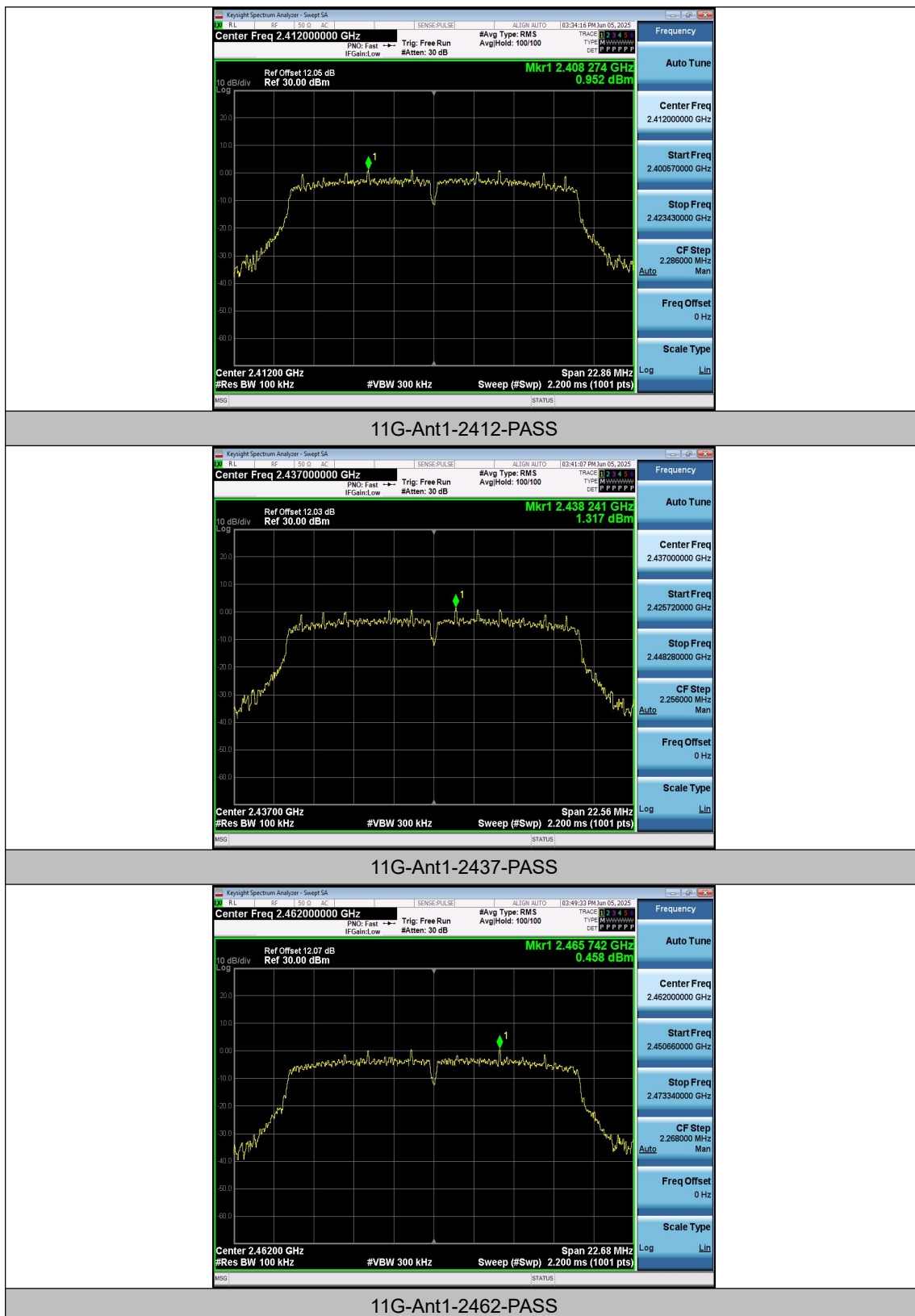
Appendix D: Reference level measurement

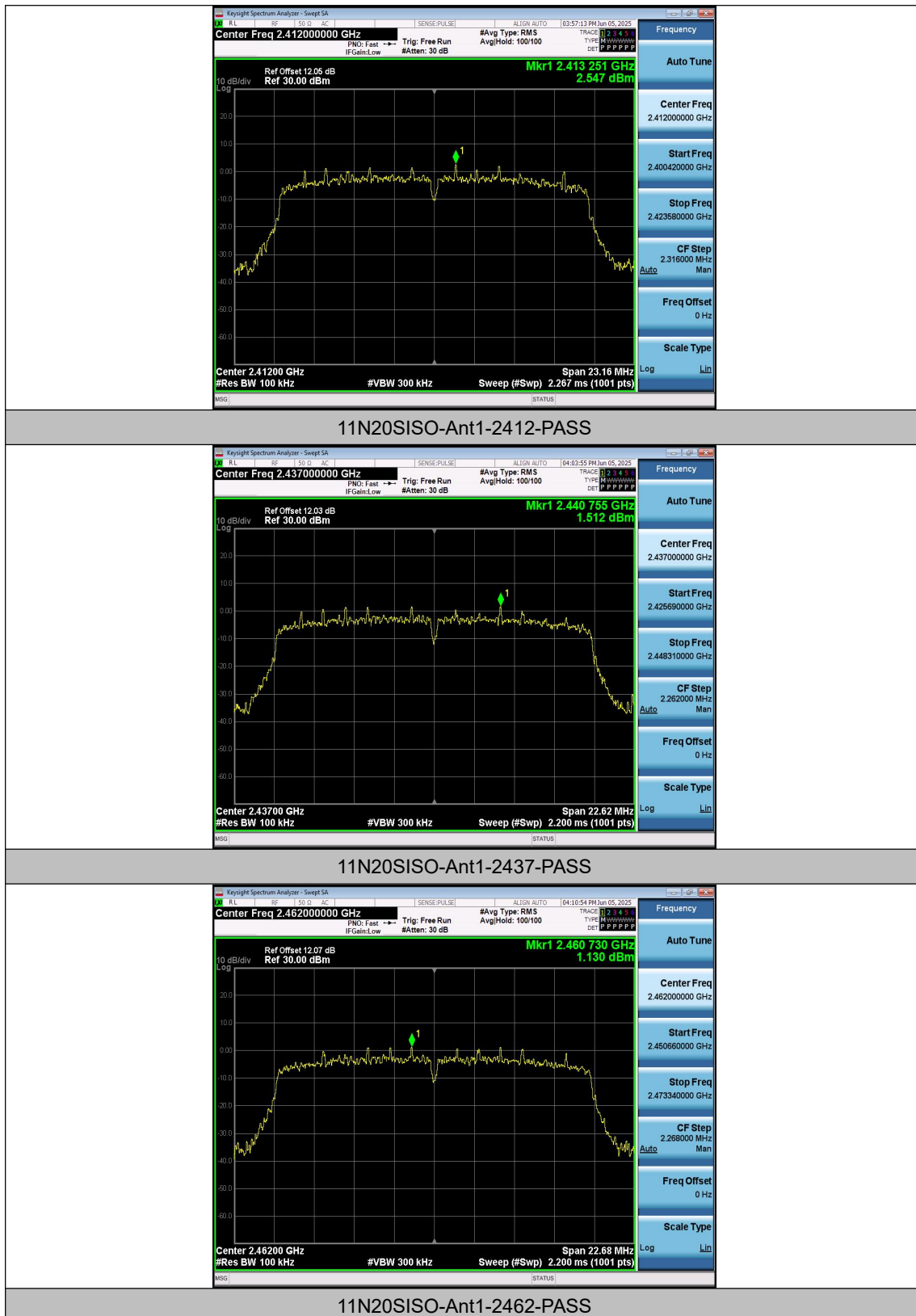
Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2413.00	5.63
11B	Ant1	2437	2436.01	4.86
11B	Ant1	2462	2461.49	5.68
11G	Ant1	2412	2408.27	0.95
11G	Ant1	2437	2438.24	1.32
11G	Ant1	2462	2465.74	0.46
11N20SISO	Ant1	2412	2413.25	2.55
11N20SISO	Ant1	2437	2440.75	1.51
11N20SISO	Ant1	2462	2460.73	1.13

Test Graphs







Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.63	-38.85	≤-14.37	PASS
11B	Ant1	High	2462	5.68	-45.39	≤-14.32	PASS
11G	Ant1	Low	2412	0.95	-30.5	≤-19.05	PASS
11G	Ant1	High	2462	0.46	-44.76	≤-19.54	PASS
11N20SISO	Ant1	Low	2412	2.55	-33.54	≤-17.45	PASS
11N20SISO	Ant1	High	2462	1.13	-42.92	≤-18.87	PASS

Test Graphs





Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	5.63	-58.8	≤-14.37	PASS
11B	Ant1	2412	1000~26500	5.63	-43.81	≤-14.37	PASS
11B	Ant1	2437	30~1000	4.86	-55.57	≤-15.14	PASS
11B	Ant1	2437	1000~26500	4.86	-43.59	≤-15.14	PASS
11B	Ant1	2462	30~1000	5.68	-52.09	≤-14.32	PASS
11B	Ant1	2462	1000~26500	5.68	-44.19	≤-14.32	PASS
11G	Ant1	2412	30~1000	0.95	-55.6	≤-19.05	PASS
11G	Ant1	2412	1000~26500	0.95	-44.47	≤-19.05	PASS
11G	Ant1	2437	30~1000	1.32	-54.52	≤-18.68	PASS
11G	Ant1	2437	1000~26500	1.32	-44.22	≤-18.68	PASS
11G	Ant1	2462	30~1000	0.46	-55.09	≤-19.54	PASS
11G	Ant1	2462	1000~26500	0.46	-44.49	≤-19.54	PASS
11N20SISO	Ant1	2412	30~1000	2.55	-55.03	≤-17.45	PASS
11N20SISO	Ant1	2412	1000~26500	2.55	-44.33	≤-17.45	PASS
11N20SISO	Ant1	2437	30~1000	1.51	-54.71	≤-18.49	PASS
11N20SISO	Ant1	2437	1000~26500	1.51	-44.61	≤-18.49	PASS
11N20SISO	Ant1	2462	30~1000	1.13	-54.76	≤-18.87	PASS
11N20SISO	Ant1	2462	1000~26500	1.13	-44.07	≤-18.87	PASS

Test Graphs

