

Appendix for WIFI 2.4GHz

Product Name: Smart door lock

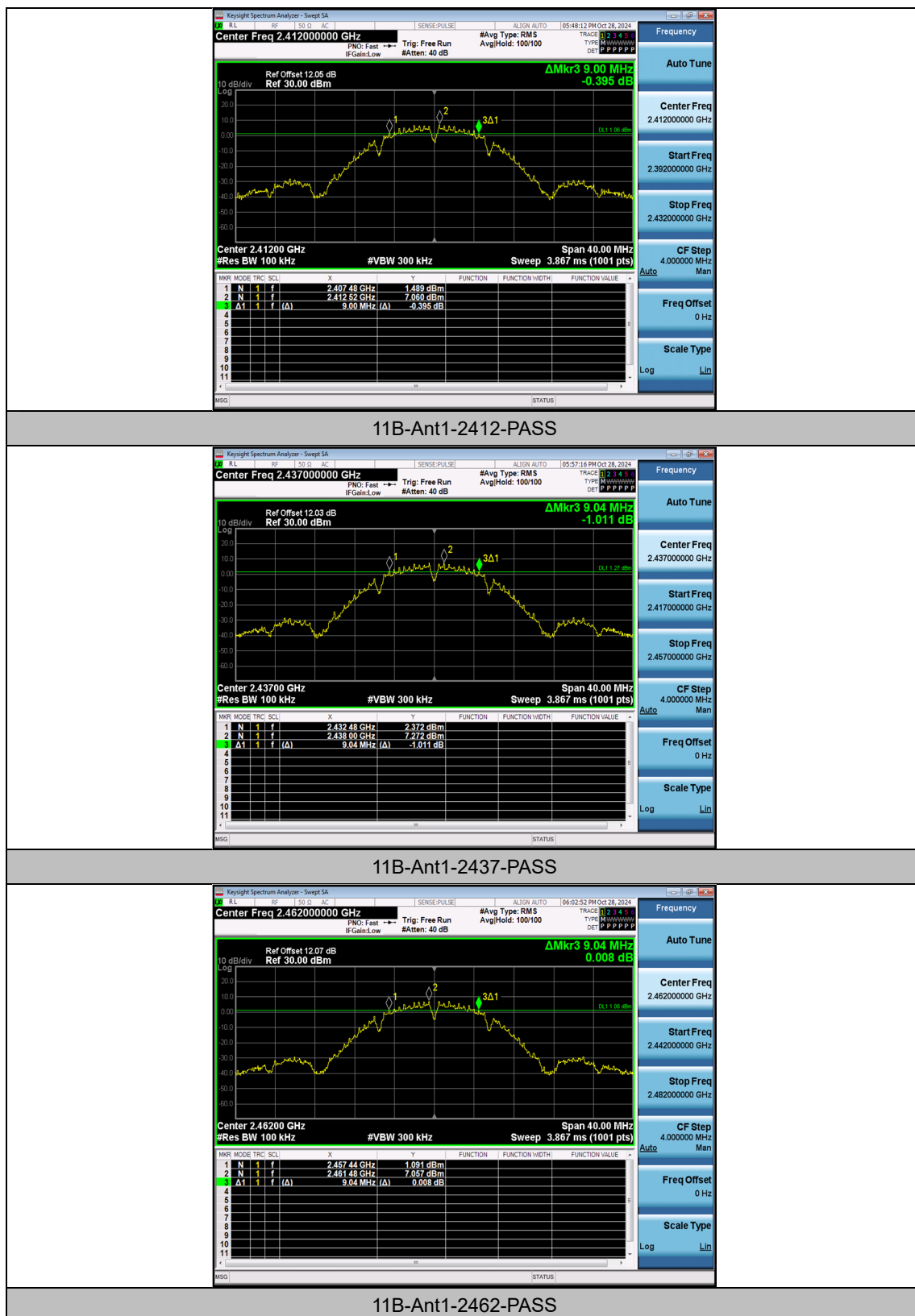
Model No: KD10

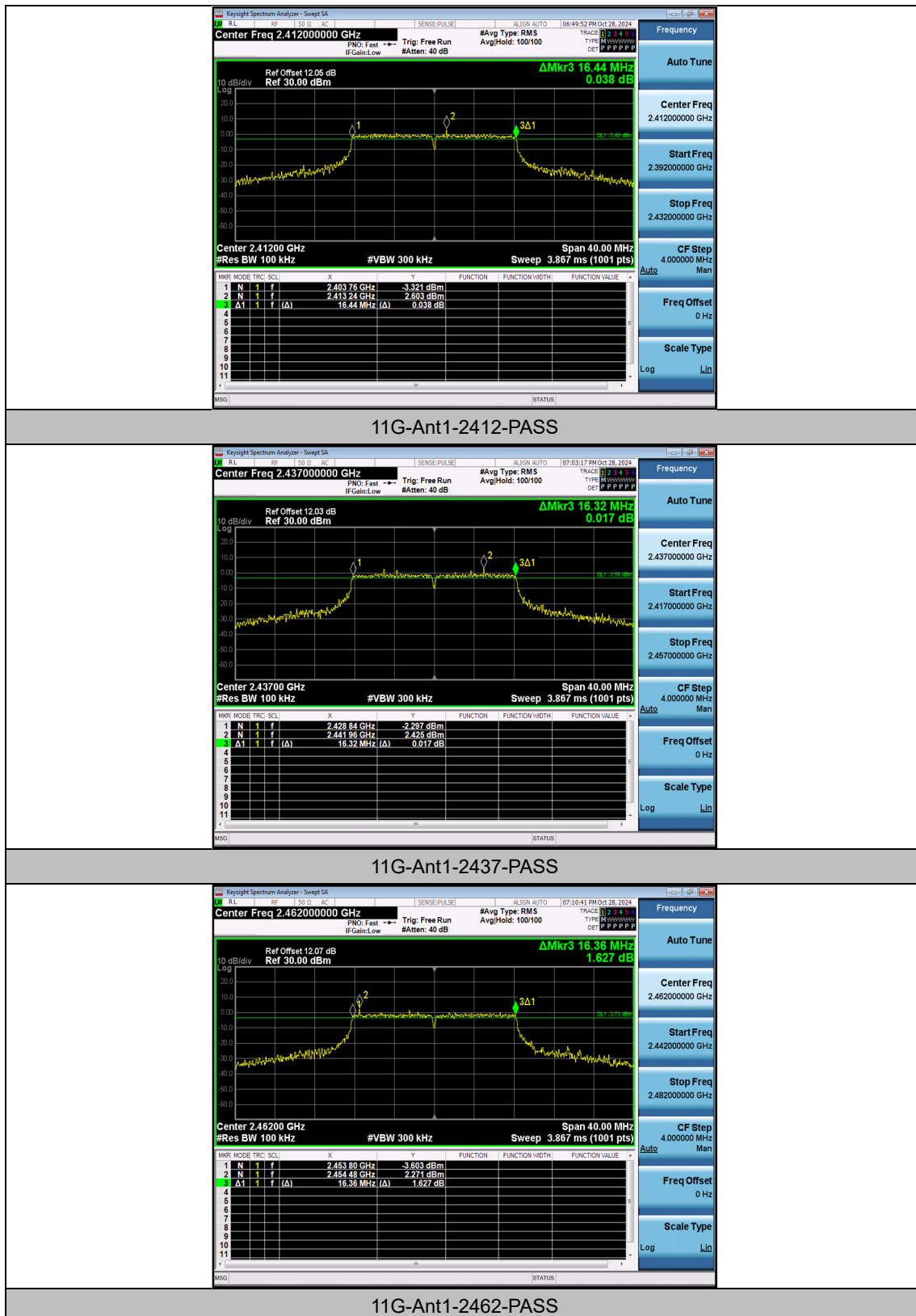
Appendix A: DTS Bandwidth

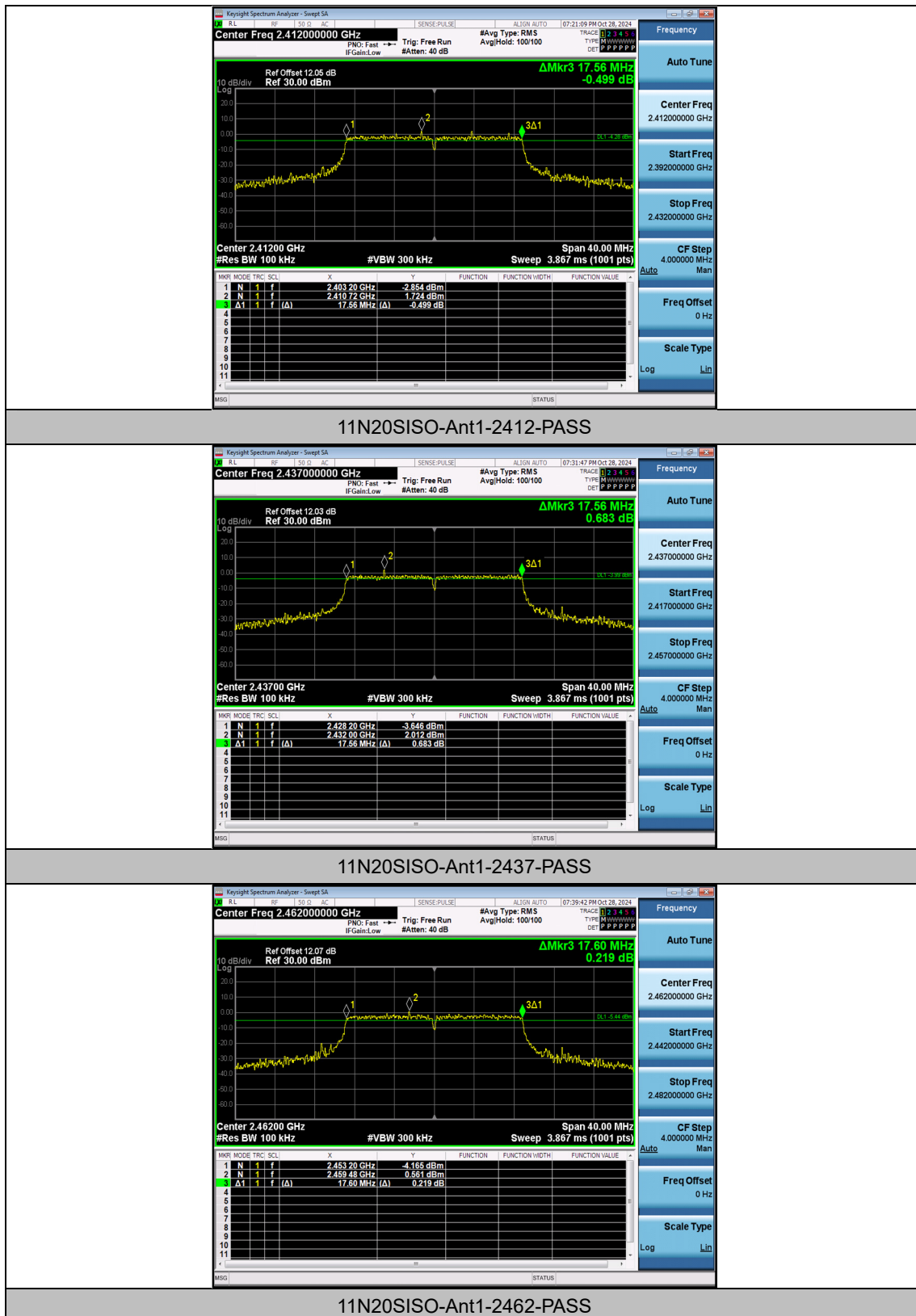
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.000	2407.480	2416.480	0.5	PASS
11B	Ant1	2437	9.040	2432.480	2441.520	0.5	PASS
11B	Ant1	2462	9.040	2457.440	2466.480	0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	0.5	PASS
11G	Ant1	2437	16.320	2428.840	2445.160	0.5	PASS
11G	Ant1	2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.200	2420.760	0.5	PASS
11N20SISO	Ant1	2437	17.560	2428.200	2445.760	0.5	PASS
11N20SISO	Ant1	2462	17.600	2453.200	2470.800	0.5	PASS

Test Graphs







Appendix B: Maximum conducted output power

Test Result Peak

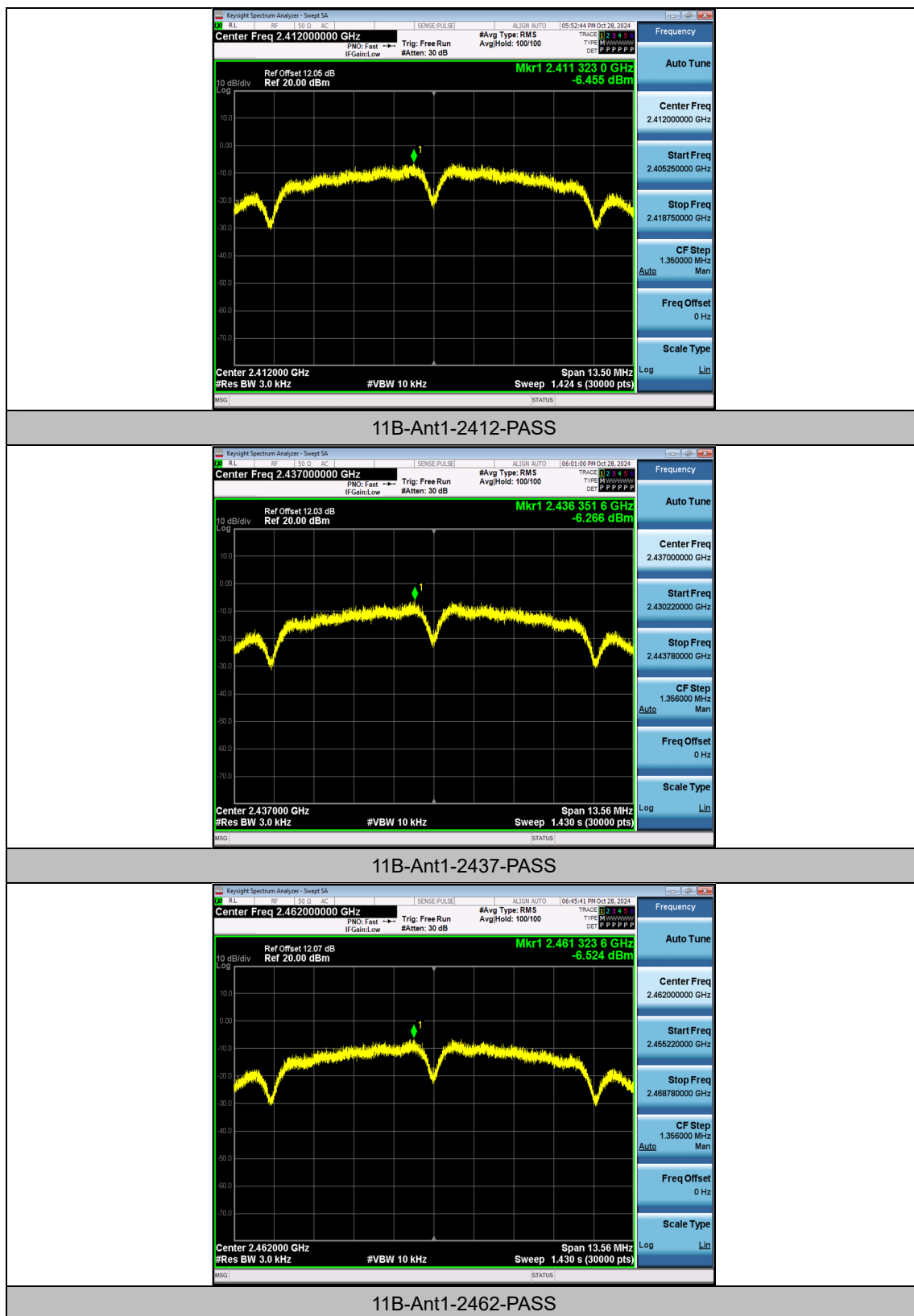
TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	16.49	≤30.00	PASS
11B	Ant1	2437	16.67	≤30.00	PASS
11B	Ant1	2462	16.43	≤30.00	PASS
11G	Ant1	2412	14.77	≤30.00	PASS
11G	Ant1	2437	14.51	≤30.00	PASS
11G	Ant1	2462	14.33	≤30.00	PASS
11N20SISO	Ant1	2412	14.04	≤30.00	PASS
11N20SISO	Ant1	2437	14.09	≤30.00	PASS
11N20SISO	Ant1	2462	13.74	≤30.00	PASS

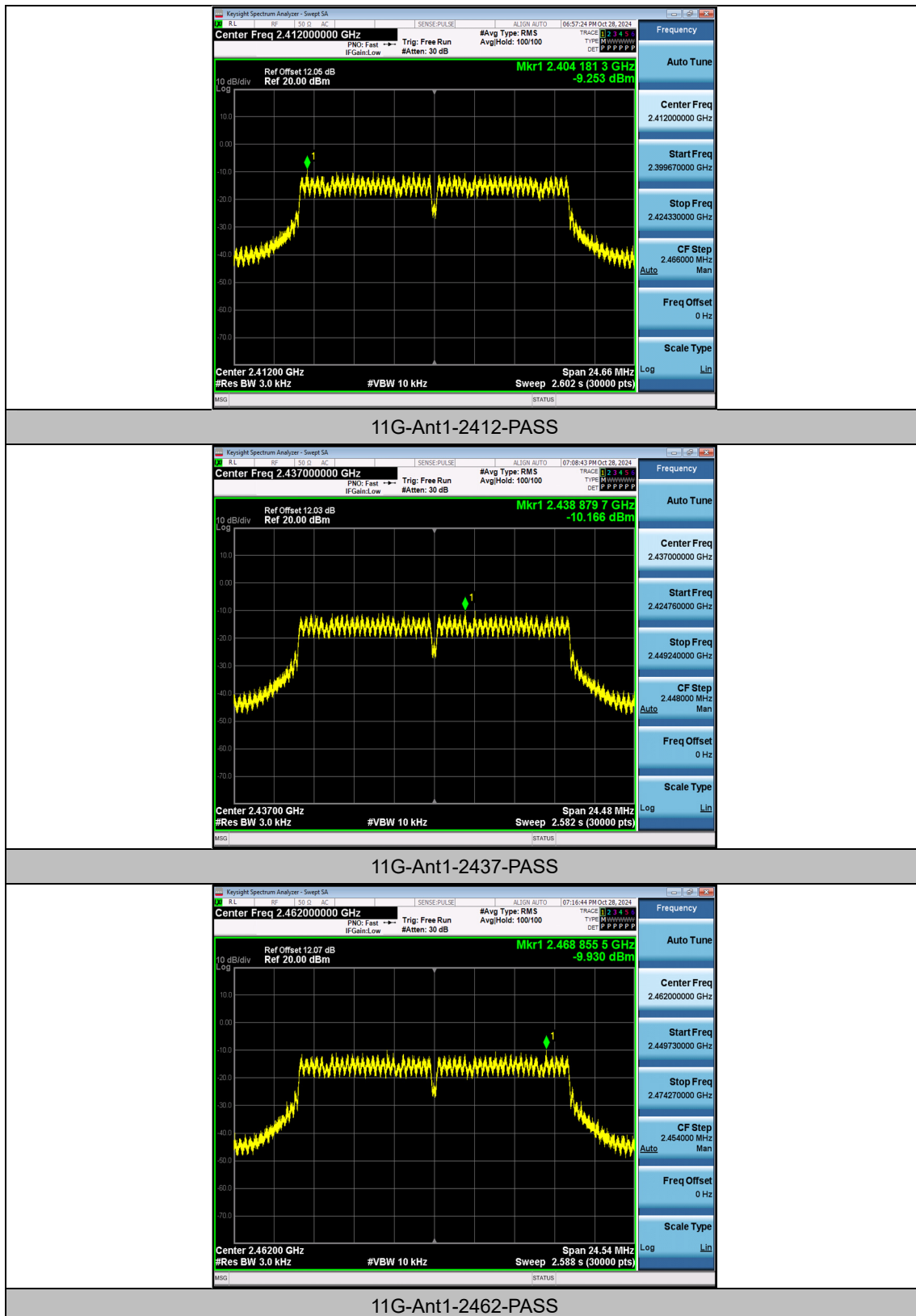
Appendix C: Maximum power spectral density

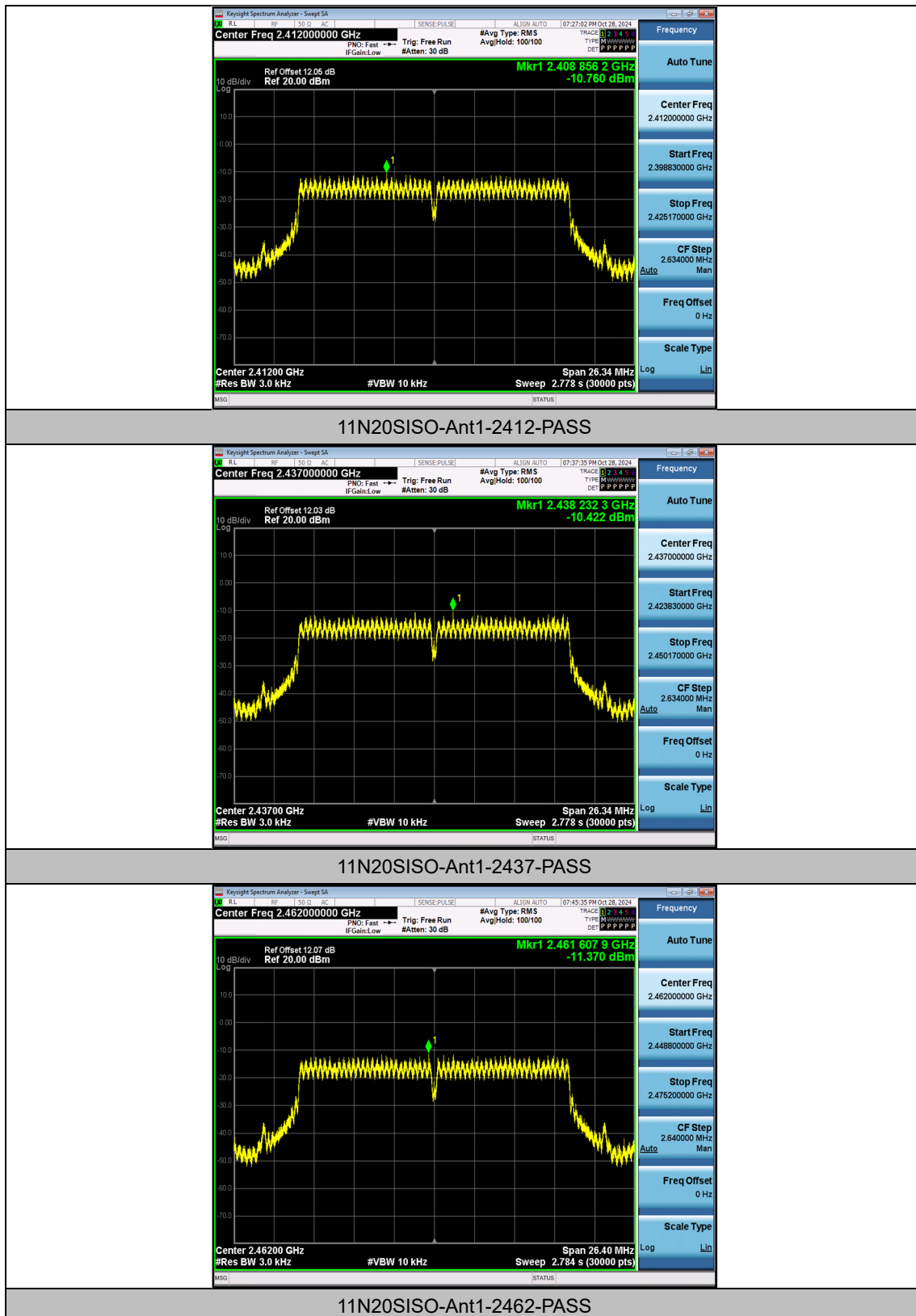
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.46	≤8.00	PASS
11B	Ant1	2437	-6.27	≤8.00	PASS
11B	Ant1	2462	-6.52	≤8.00	PASS
11G	Ant1	2412	-9.25	≤8.00	PASS
11G	Ant1	2437	-10.17	≤8.00	PASS
11G	Ant1	2462	-9.93	≤8.00	PASS
11N20SISO	Ant1	2412	-10.76	≤8.00	PASS
11N20SISO	Ant1	2437	-10.42	≤8.00	PASS
11N20SISO	Ant1	2462	-11.37	≤8.00	PASS

Test Graphs







Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2410.49	7.07
11B	Ant1	2437	2437.50	6.74
11B	Ant1	2462	2463.00	6.97
11G	Ant1	2412	2405.69	0.54
11G	Ant1	2437	2438.25	2.67
11G	Ant1	2462	2464.50	2.06
11N20SISO	Ant1	2412	2410.74	1.74
11N20SISO	Ant1	2437	2431.97	1.22
11N20SISO	Ant1	2462	2454.56	0.71

Test Graphs

