

Appendix for WIFI 2.4GHz

Product Name: Combo Module

Model No: 6221E-UUC

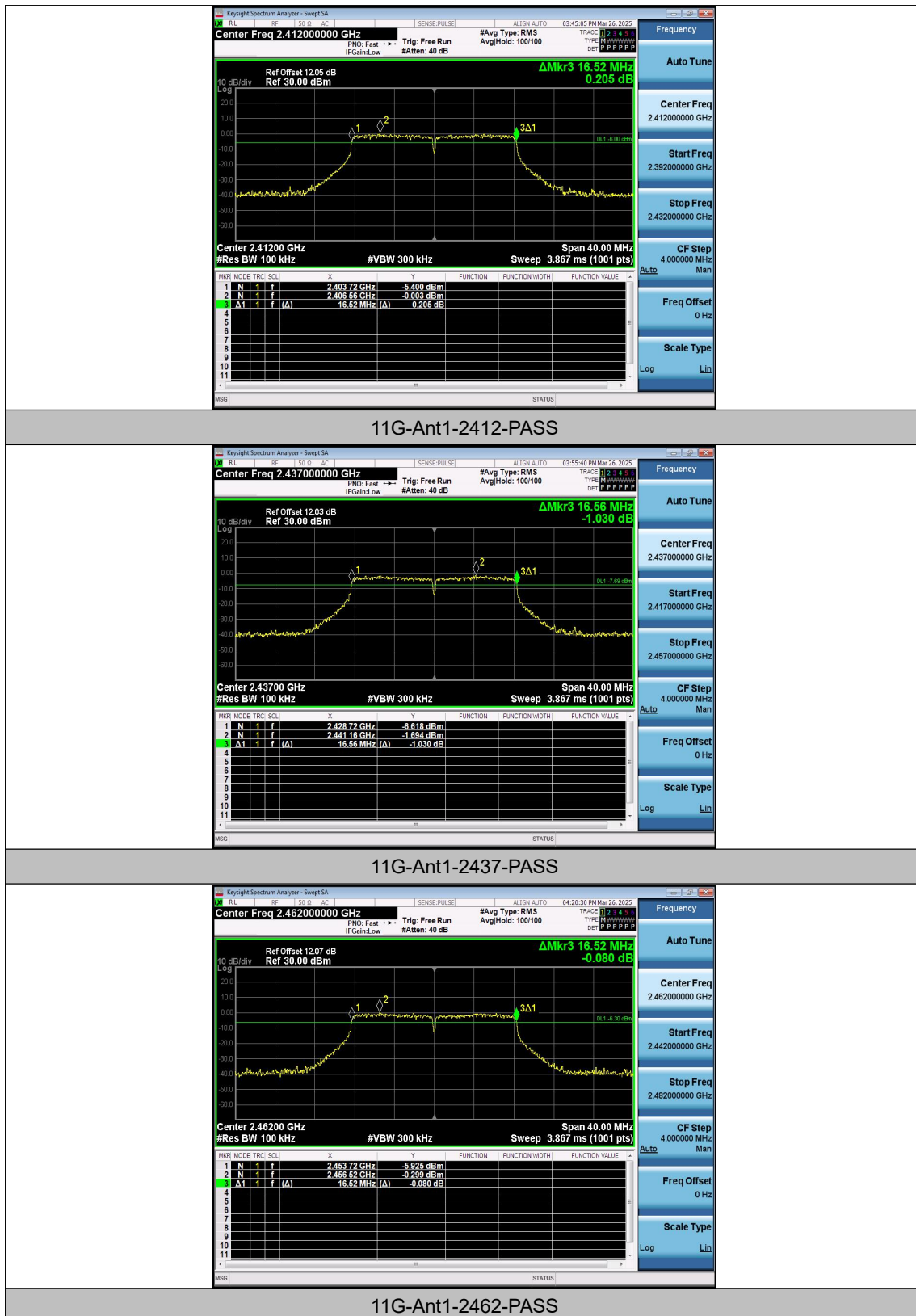
Appendix A: DTS Bandwidth

Test Result

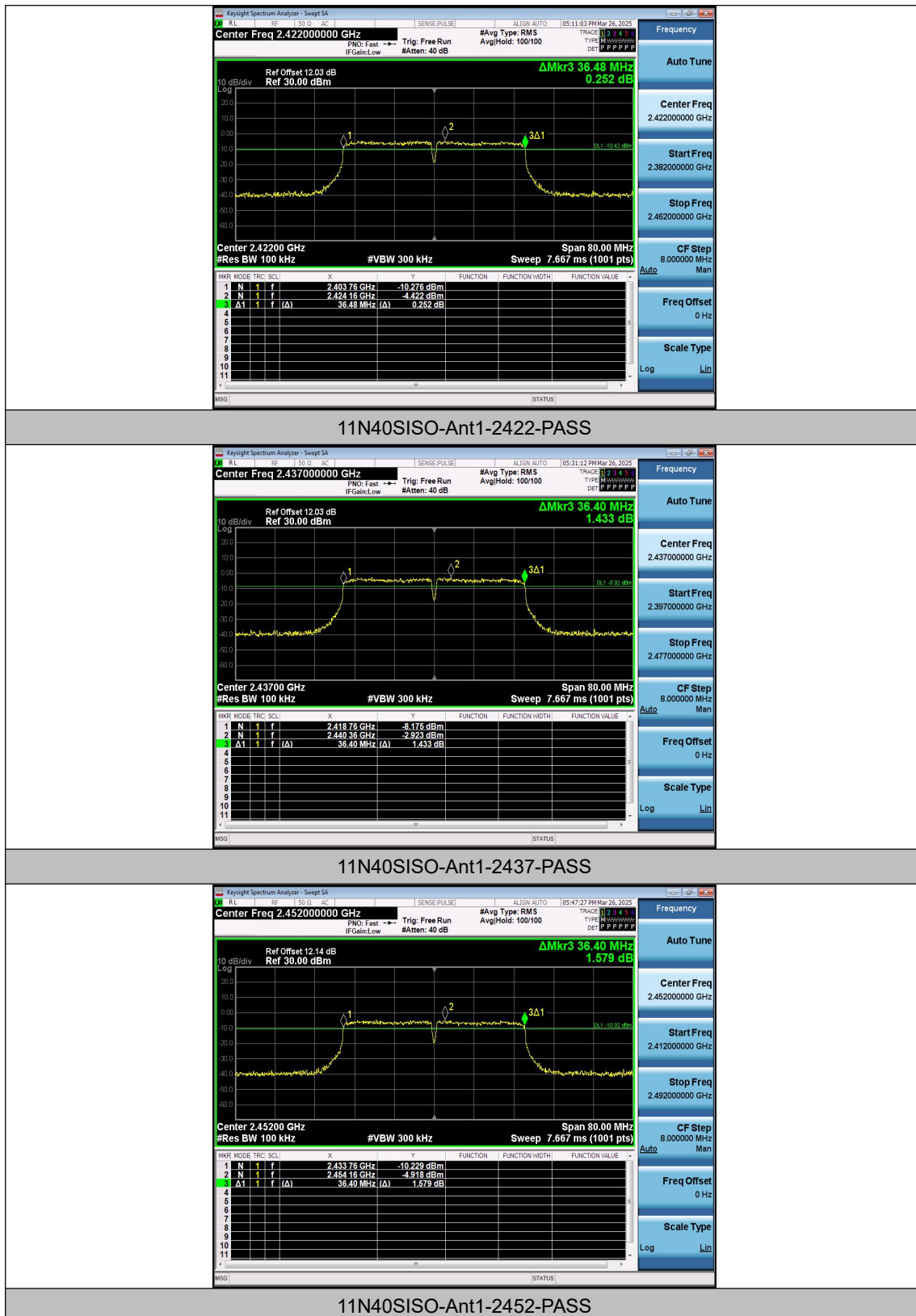
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
11B	Ant1	2437	10.080	2431.960	2442.040	0.5	PASS
11B	Ant1	2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	16.520	2403.720	2420.240	0.5	PASS
11G	Ant1	2437	16.560	2428.720	2445.280	0.5	PASS
11G	Ant1	2462	16.520	2453.720	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.160	2420.800	0.5	PASS
11N20SISO	Ant1	2437	17.720	2428.120	2445.840	0.5	PASS
11N20SISO	Ant1	2462	17.720	2453.120	2470.840	0.5	PASS
11N40SISO	Ant1	2422	36.480	2403.760	2440.240	0.5	PASS
11N40SISO	Ant1	2437	36.400	2418.760	2455.160	0.5	PASS
11N40SISO	Ant1	2452	36.400	2433.760	2470.160	0.5	PASS

Test Graphs









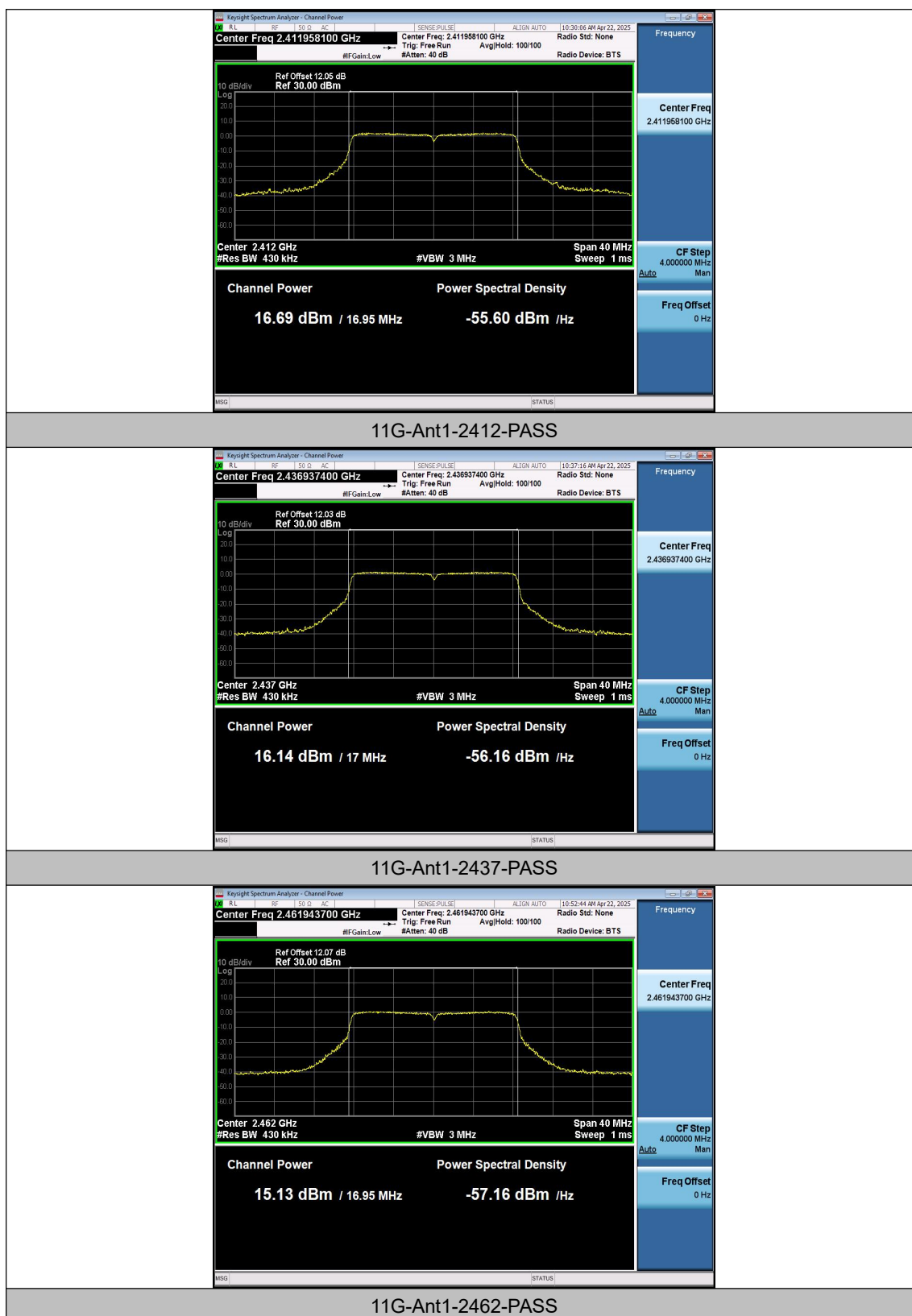
Appendix B: Maximum conducted output power

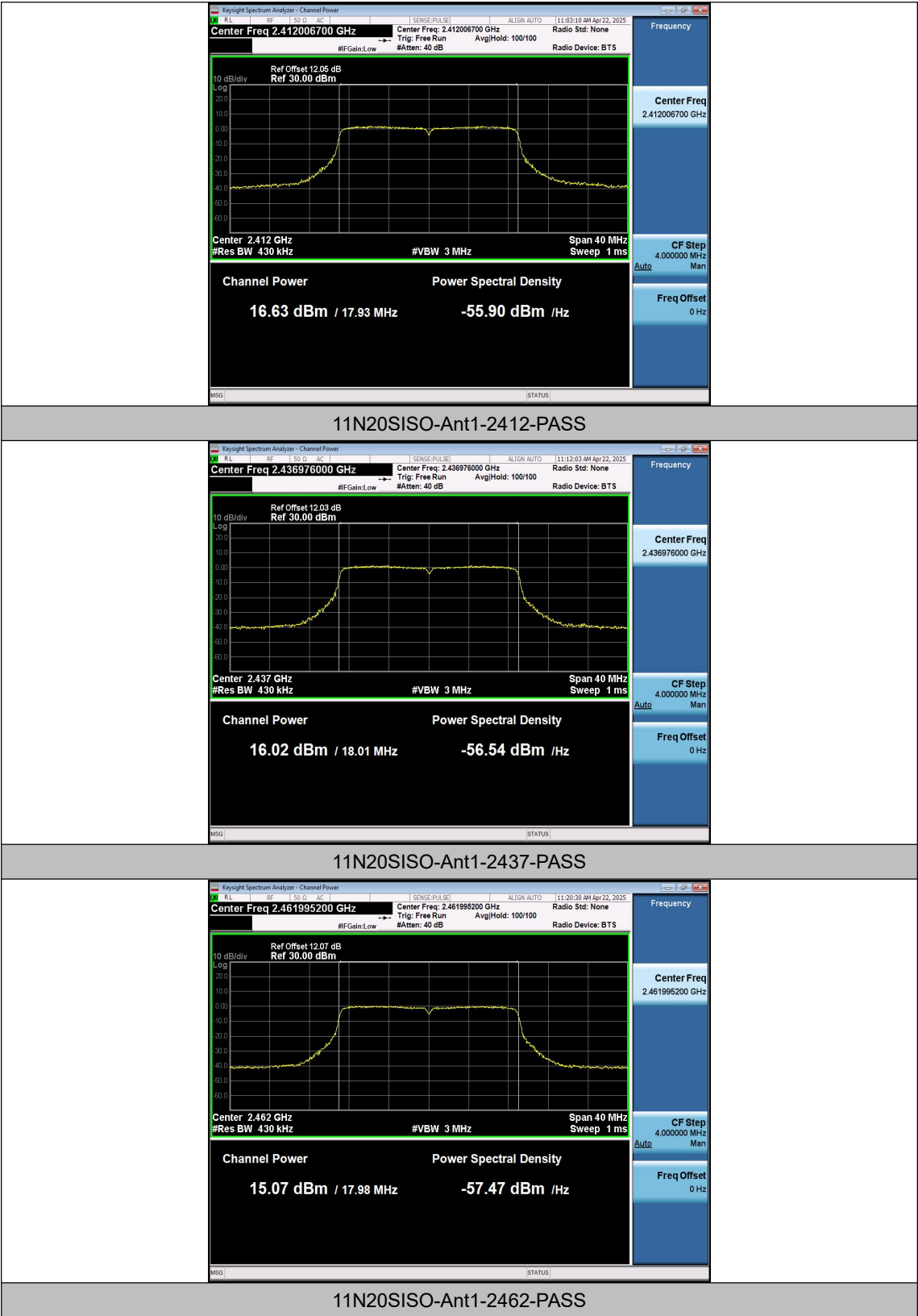
Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.96	≤30.00	PASS
11B	Ant1	2437	16.23	≤30.00	PASS
11B	Ant1	2462	15.74	≤30.00	PASS
11G	Ant1	2412	16.69	≤30.00	PASS
11G	Ant1	2437	16.14	≤30.00	PASS
11G	Ant1	2462	15.13	≤30.00	PASS
11N20SISO	Ant1	2412	16.63	≤30.00	PASS
11N20SISO	Ant1	2437	16.02	≤30.00	PASS
11N20SISO	Ant1	2462	15.07	≤30.00	PASS
11N40SISO	Ant1	2422	15.30	≤30.00	PASS
11N40SISO	Ant1	2437	15.70	≤30.00	PASS
11N40SISO	Ant1	2452	15.54	≤30.00	PASS

Test Graphs Average







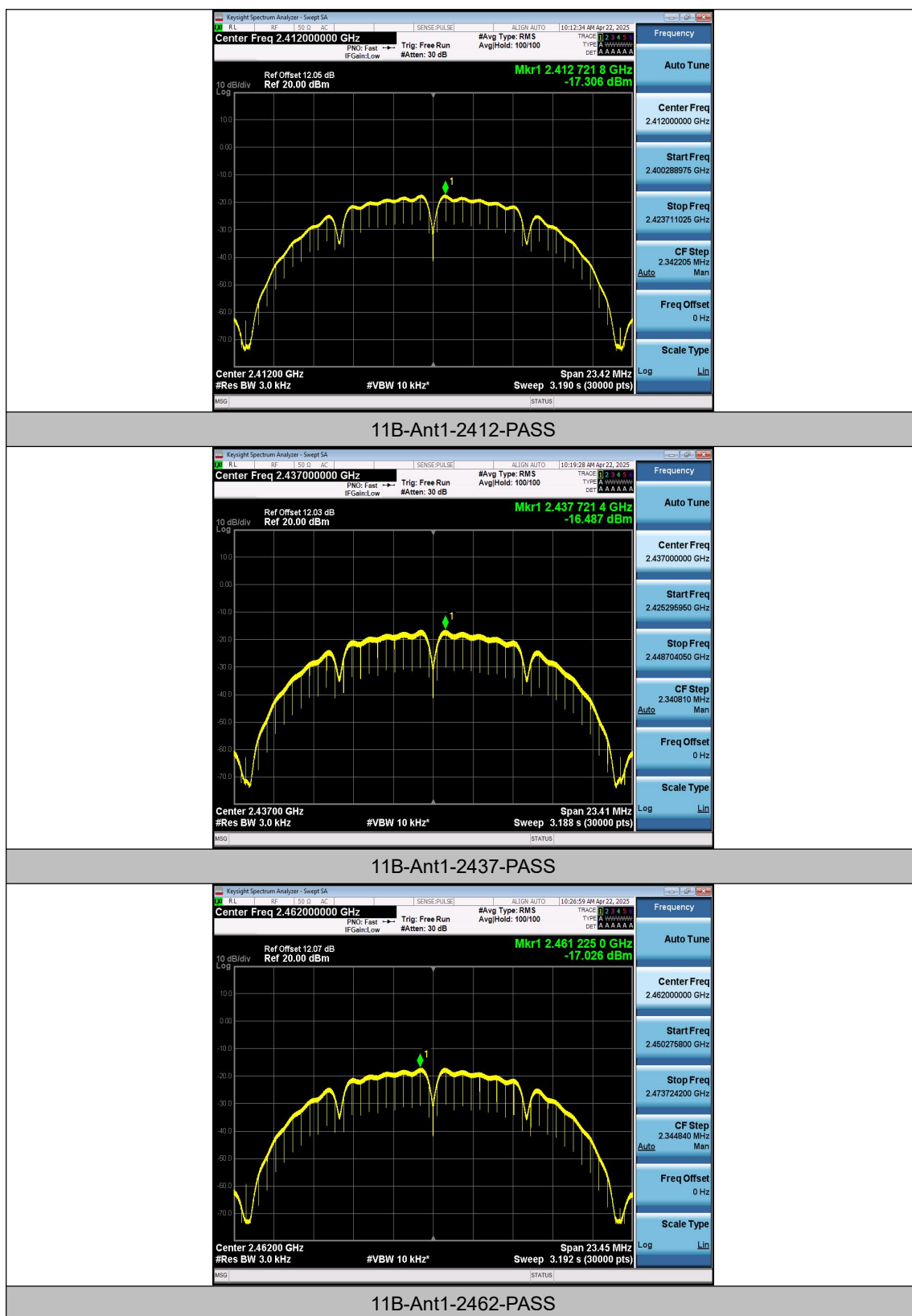


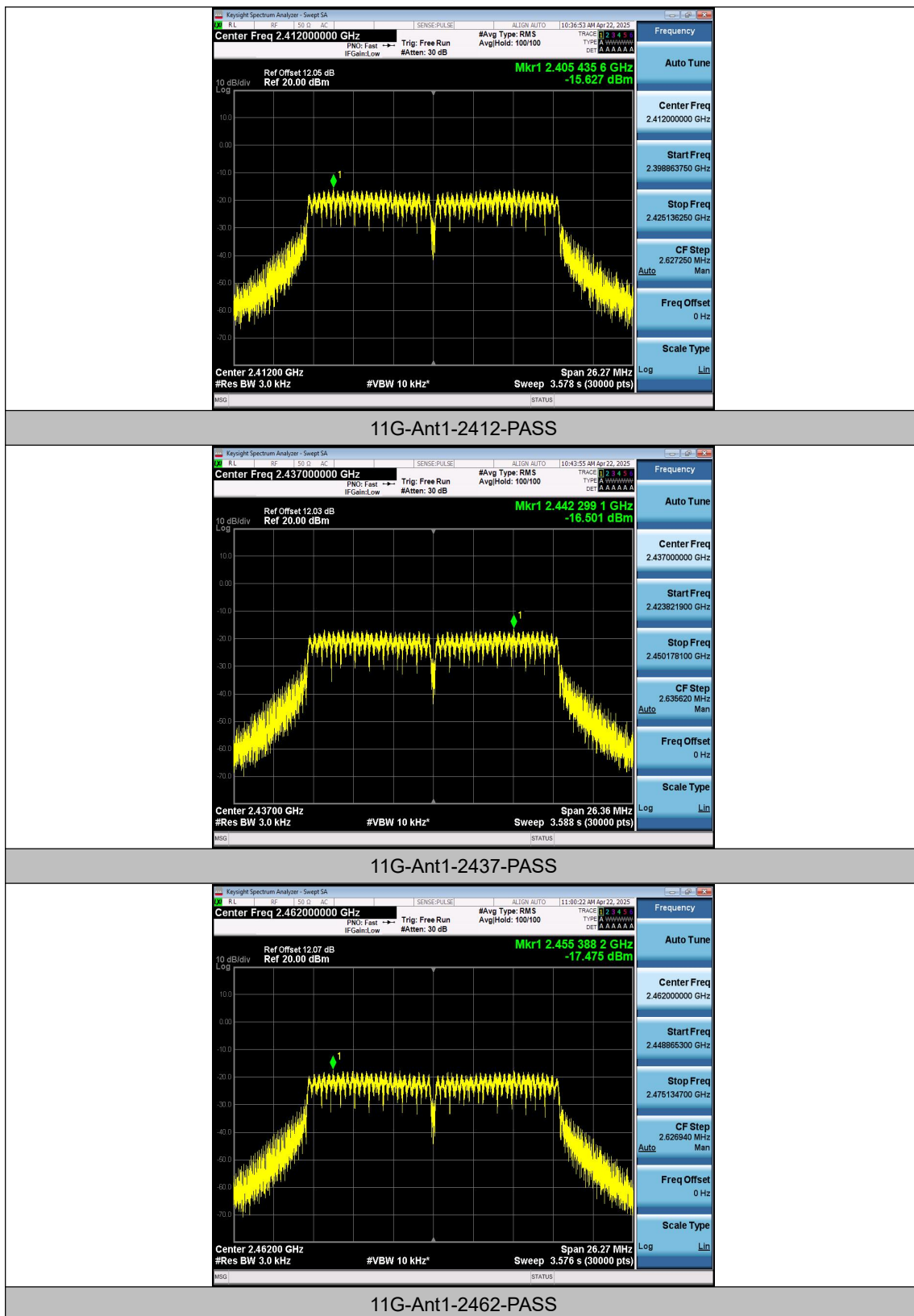
Appendix C: Maximum power spectral density

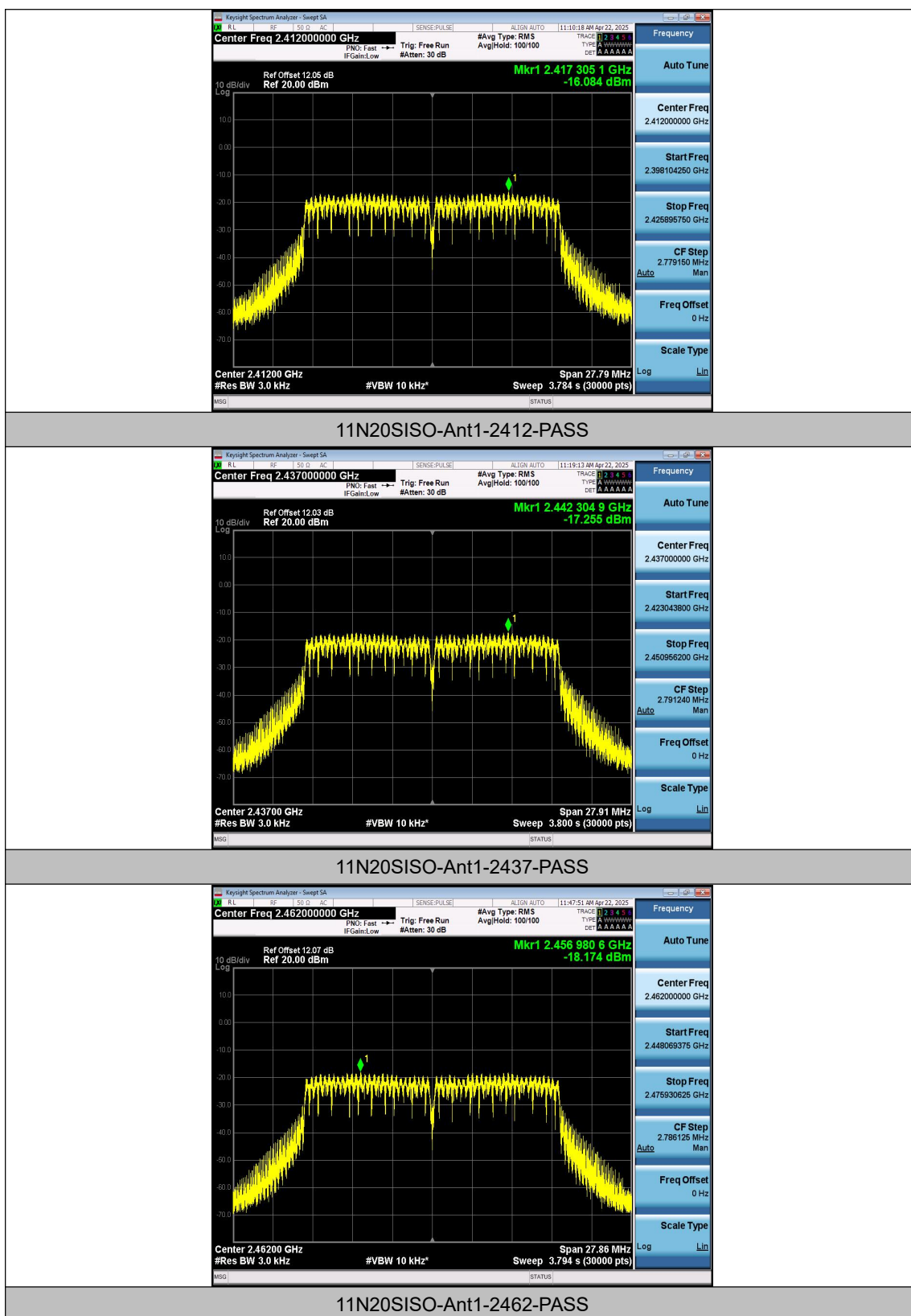
Test Result

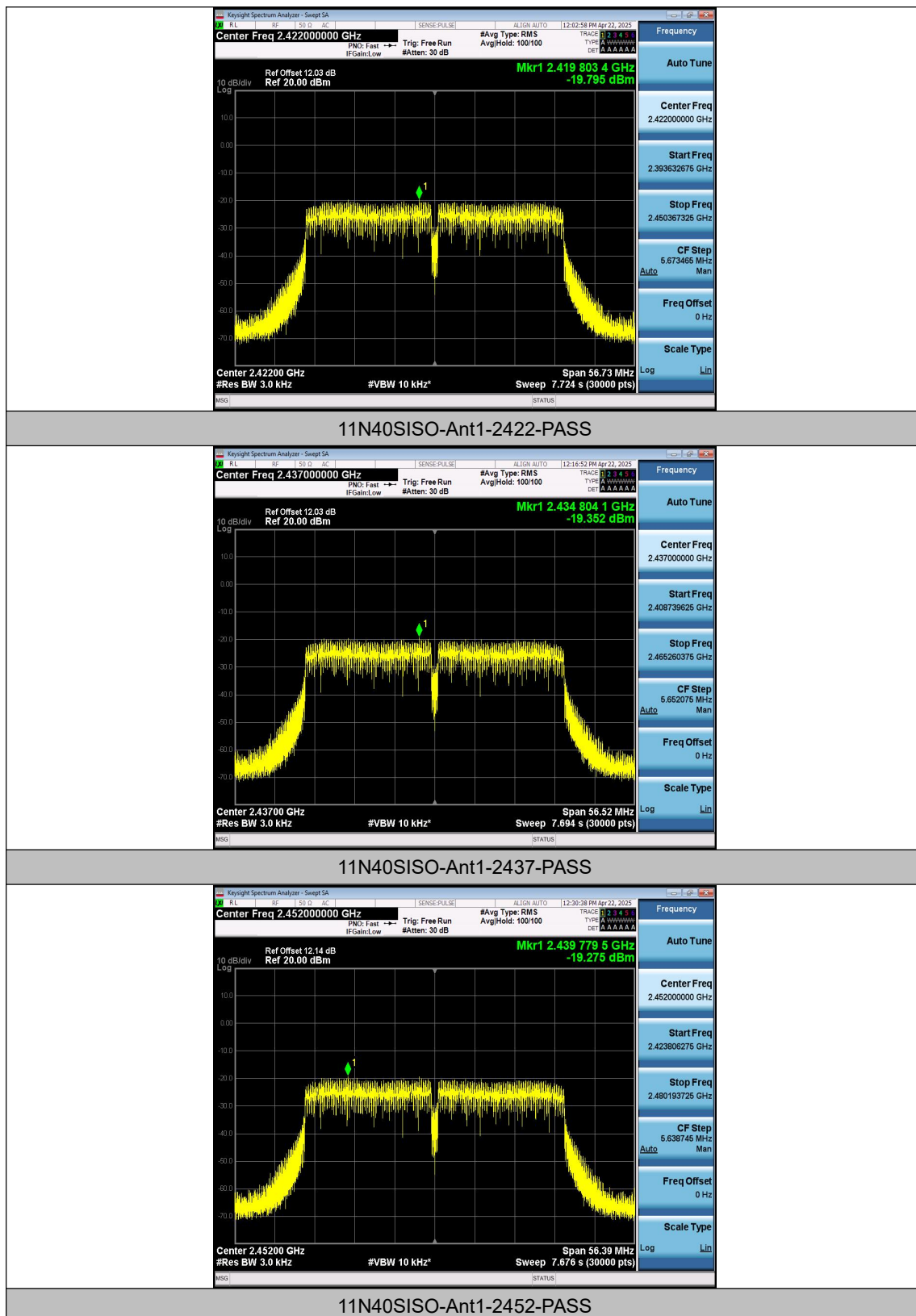
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.31	≤8.00	PASS
11B	Ant1	2437	-16.49	≤8.00	PASS
11B	Ant1	2462	-17.03	≤8.00	PASS
11G	Ant1	2412	-15.63	≤8.00	PASS
11G	Ant1	2437	-16.50	≤8.00	PASS
11G	Ant1	2462	-17.48	≤8.00	PASS
11N20SISO	Ant1	2412	-16.08	≤8.00	PASS
11N20SISO	Ant1	2437	-17.26	≤8.00	PASS
11N20SISO	Ant1	2462	-18.17	≤8.00	PASS
11N40SISO	Ant1	2422	-19.80	≤8.00	PASS
11N40SISO	Ant1	2437	-19.35	≤8.00	PASS
11N40SISO	Ant1	2452	-19.28	≤8.00	PASS

Test Graphs









Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2411.49	3.18
11B	Ant1	2437	2437.48	3.82
11B	Ant1	2462	2461.50	2.47
11G	Ant1	2412	2416.16	-1.41
11G	Ant1	2437	2432.38	0.11
11G	Ant1	2462	2456.52	-0.33
11N20SISO	Ant1	2412	2406.63	-1.58
11N20SISO	Ant1	2437	2431.63	0.57
11N20SISO	Ant1	2462	2459.13	-1.17
11N40SISO	Ant1	2422	2417.24	-4.59
11N40SISO	Ant1	2437	2422.37	-2.81
11N40SISO	Ant1	2452	2437.37	-4.95

Test Graphs

