

Appendix for WIFI

Product Name: USB Combo Module
Model No: 6223E-UUC

Appendix A: DTS Bandwidth

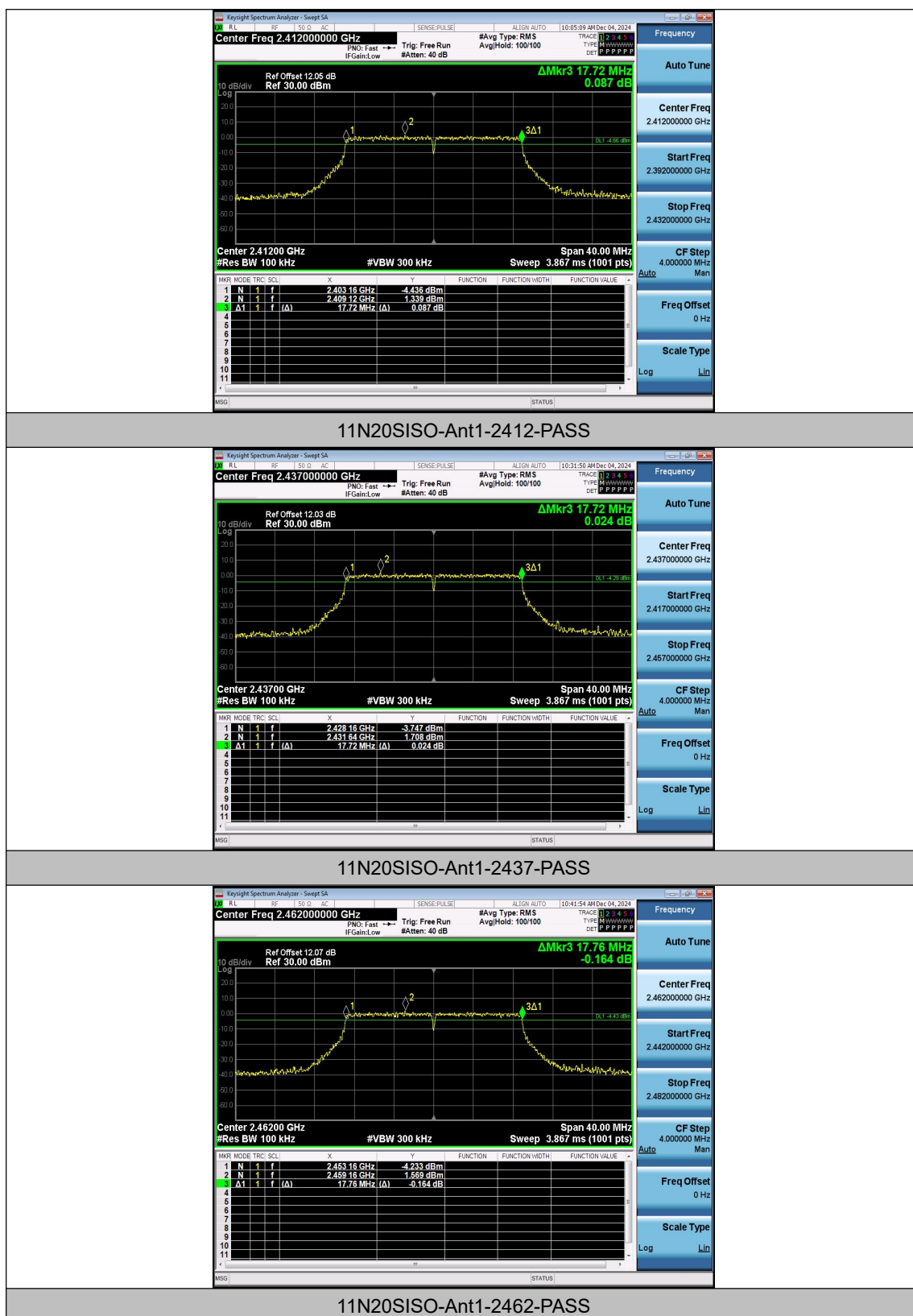
Test Result

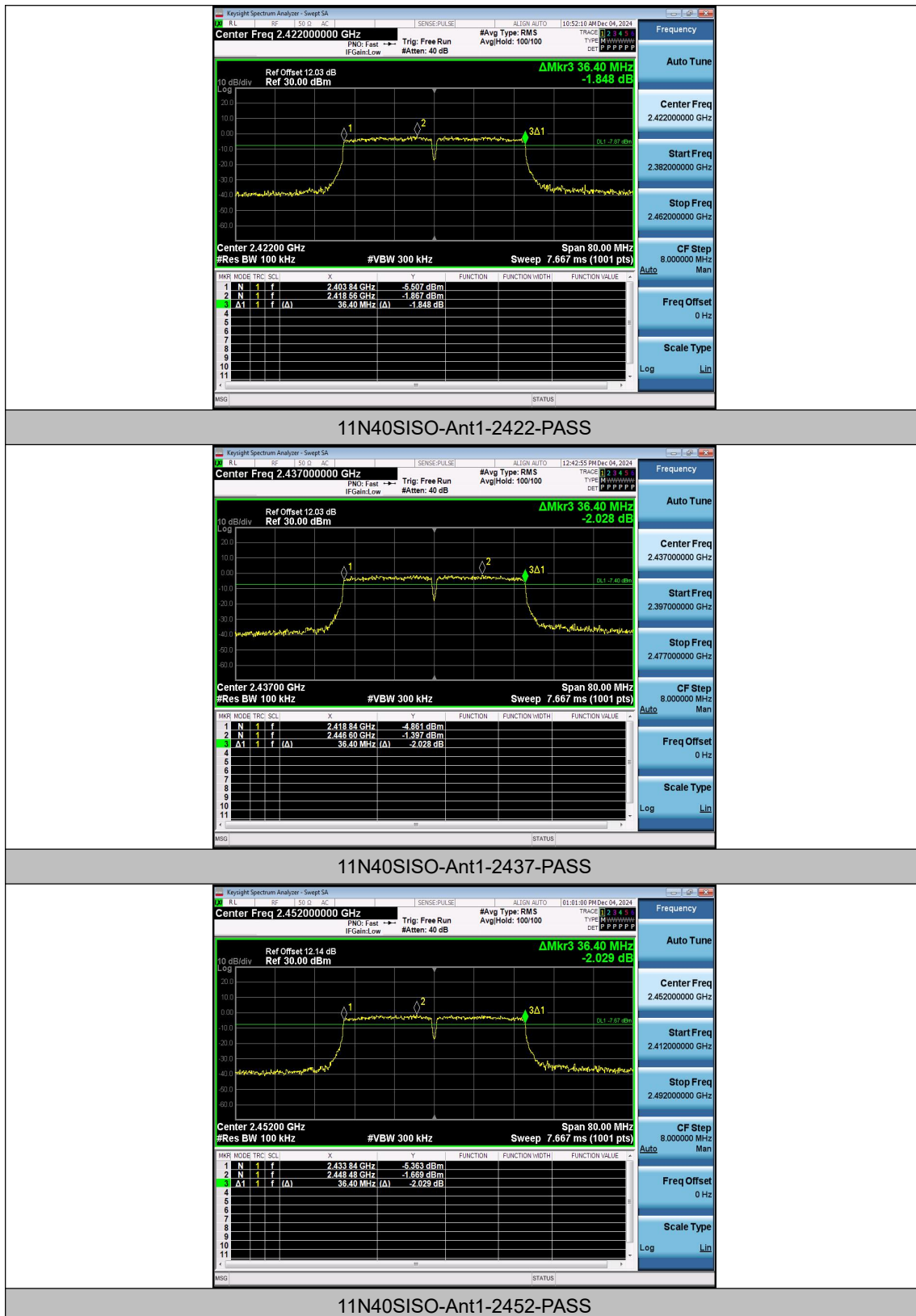
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.080	2407.960	2416.040	0.5	PASS
11B	Ant1	2437	9.000	2432.480	2441.480	0.5	PASS
11B	Ant1	2462	8.560	2457.480	2466.040	0.5	PASS
11G	Ant1	2412	16.560	2403.720	2420.280	0.5	PASS
11G	Ant1	2437	16.520	2428.760	2445.280	0.5	PASS
11G	Ant1	2462	16.560	2453.720	2470.280	0.5	PASS
11N20SISO	Ant1	2412	17.720	2403.160	2420.880	0.5	PASS
11N20SISO	Ant1	2437	17.720	2428.160	2445.880	0.5	PASS
11N20SISO	Ant1	2462	17.760	2453.160	2470.920	0.5	PASS
11N40SISO	Ant1	2422	36.400	2403.840	2440.240	0.5	PASS
11N40SISO	Ant1	2437	36.400	2418.840	2455.240	0.5	PASS
11N40SISO	Ant1	2452	36.400	2433.840	2470.240	0.5	PASS

Test Graphs







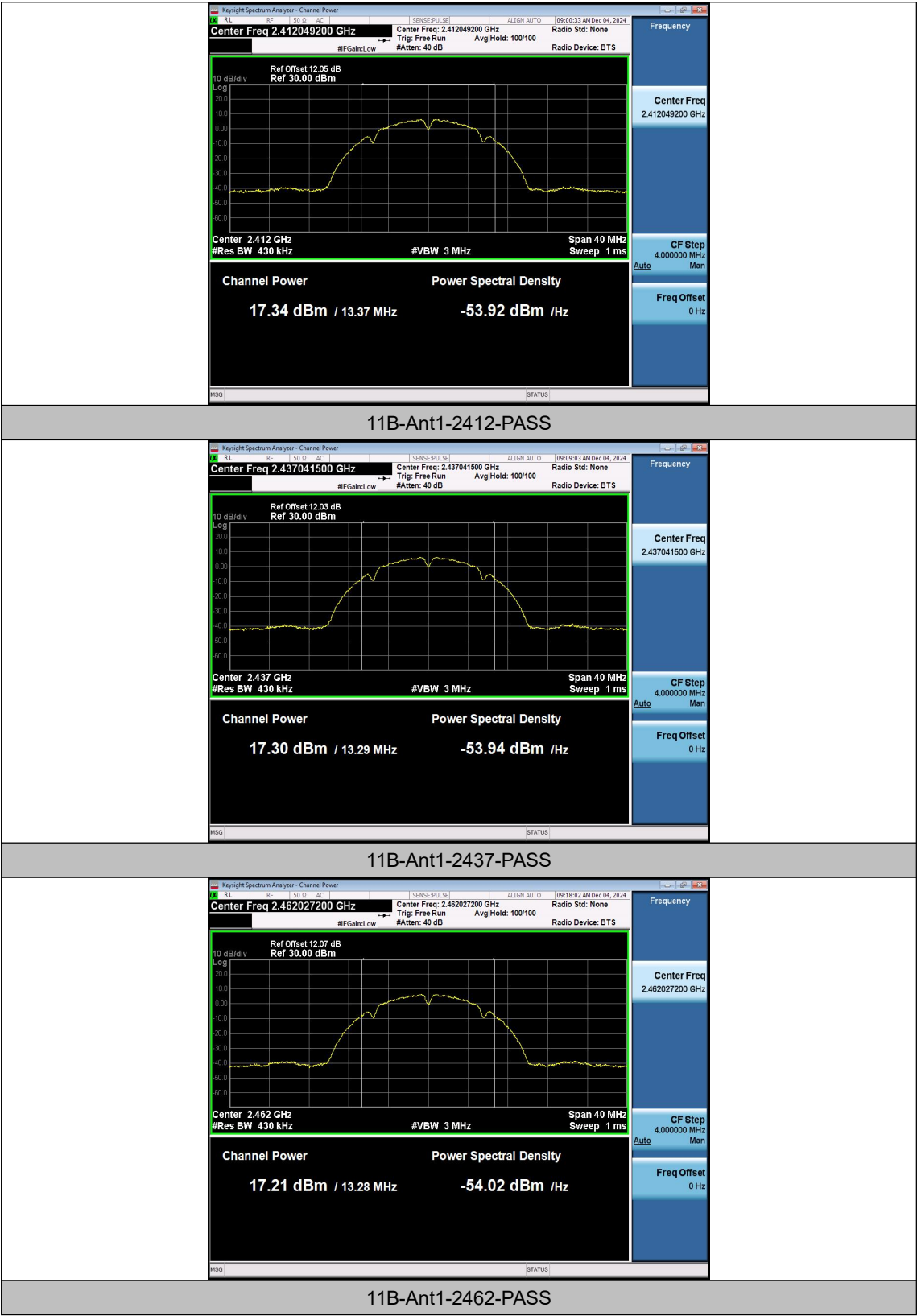


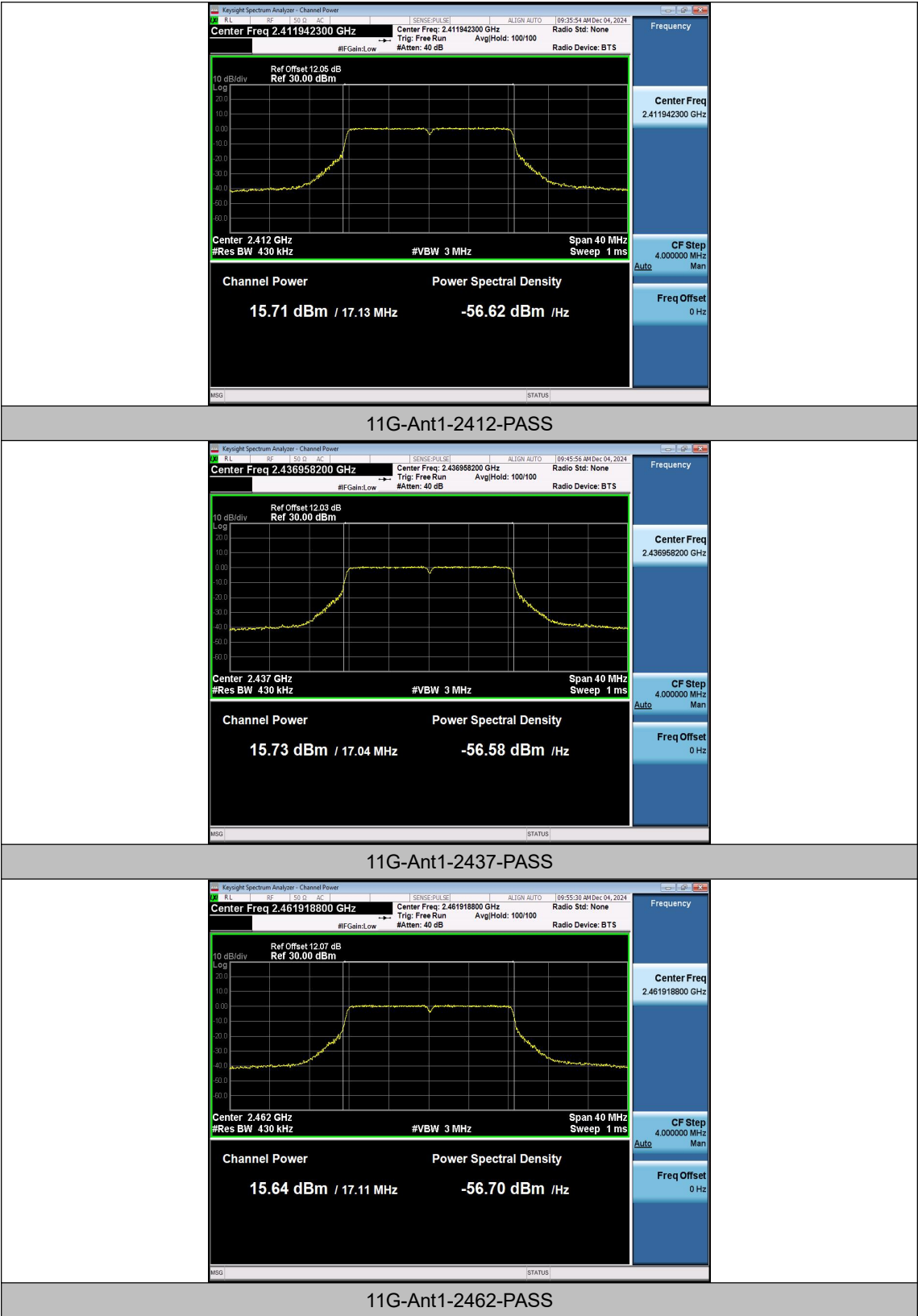
Appendix B: Maximum conducted output power

Test Result Average

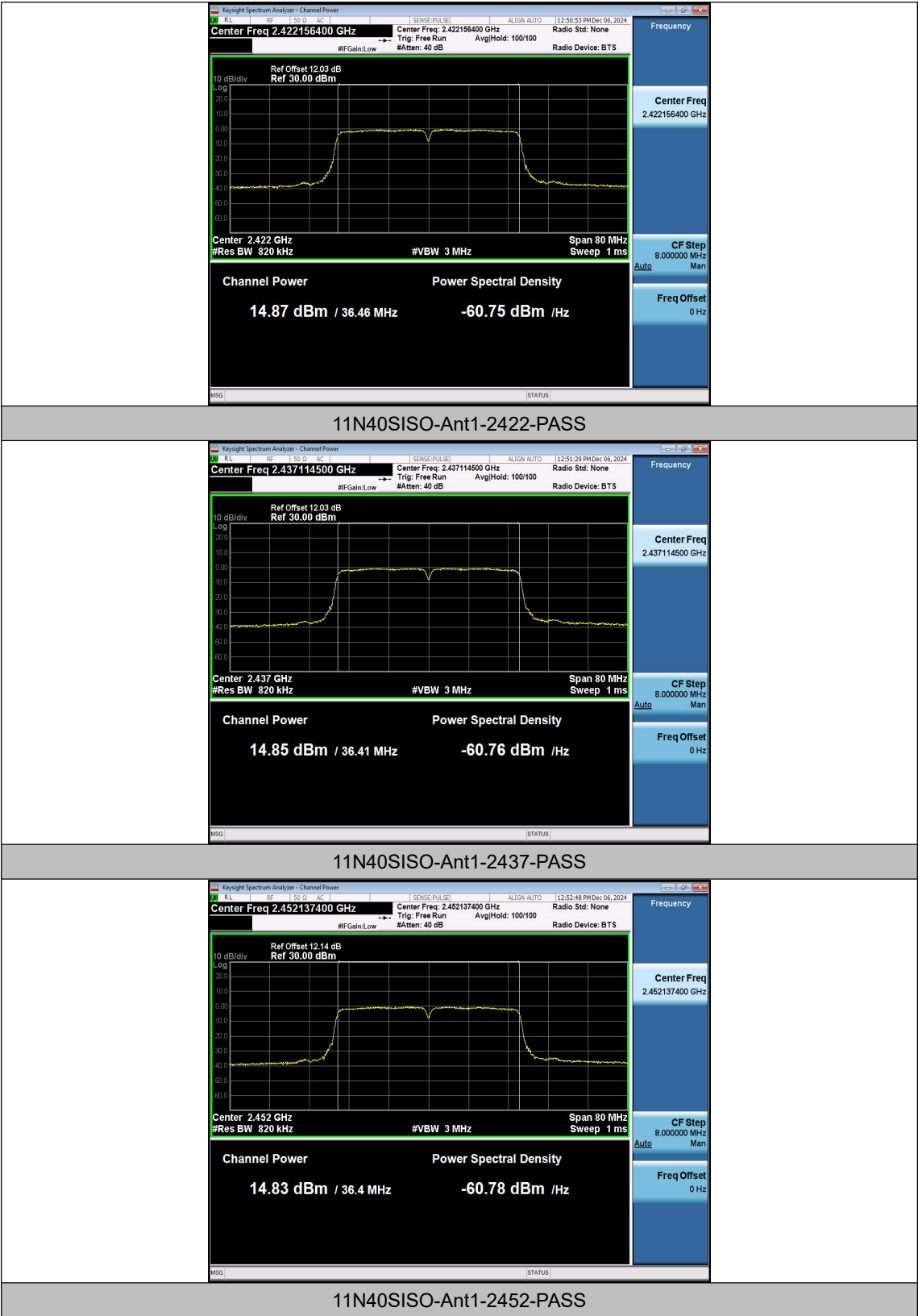
Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	17.34	100.00	0.00	17.34	≤30.00	PASS
11B	Ant1	2437	NA	17.30	100.00	0.00	17.30	≤30.00	PASS
11B	Ant1	2462	NA	17.21	100.00	0.00	17.21	≤30.00	PASS
11G	Ant1	2412	NA	15.71	100.00	0.00	15.71	≤30.00	PASS
11G	Ant1	2437	NA	15.73	100.00	0.00	15.73	≤30.00	PASS
11G	Ant1	2462	NA	15.64	100.00	0.00	15.64	≤30.00	PASS
11N20SISO	Ant1	2412	NA	14.97	100.00	0.00	14.97	≤30.00	PASS
11N20SISO	Ant1	2437	NA	14.99	100.00	0.00	14.99	≤30.00	PASS
11N20SISO	Ant1	2462	NA	15.02	100.00	0.00	15.02	≤30.00	PASS
11N40SISO	Ant1	2422	NA	14.87	100.00	0.00	14.87	≤30.00	PASS
11N40SISO	Ant1	2437	NA	14.85	100.00	0.00	14.85	≤30.00	PASS
11N40SISO	Ant1	2452	NA	14.83	100.00	0.00	14.83	≤30.00	PASS

Test Graphs Average









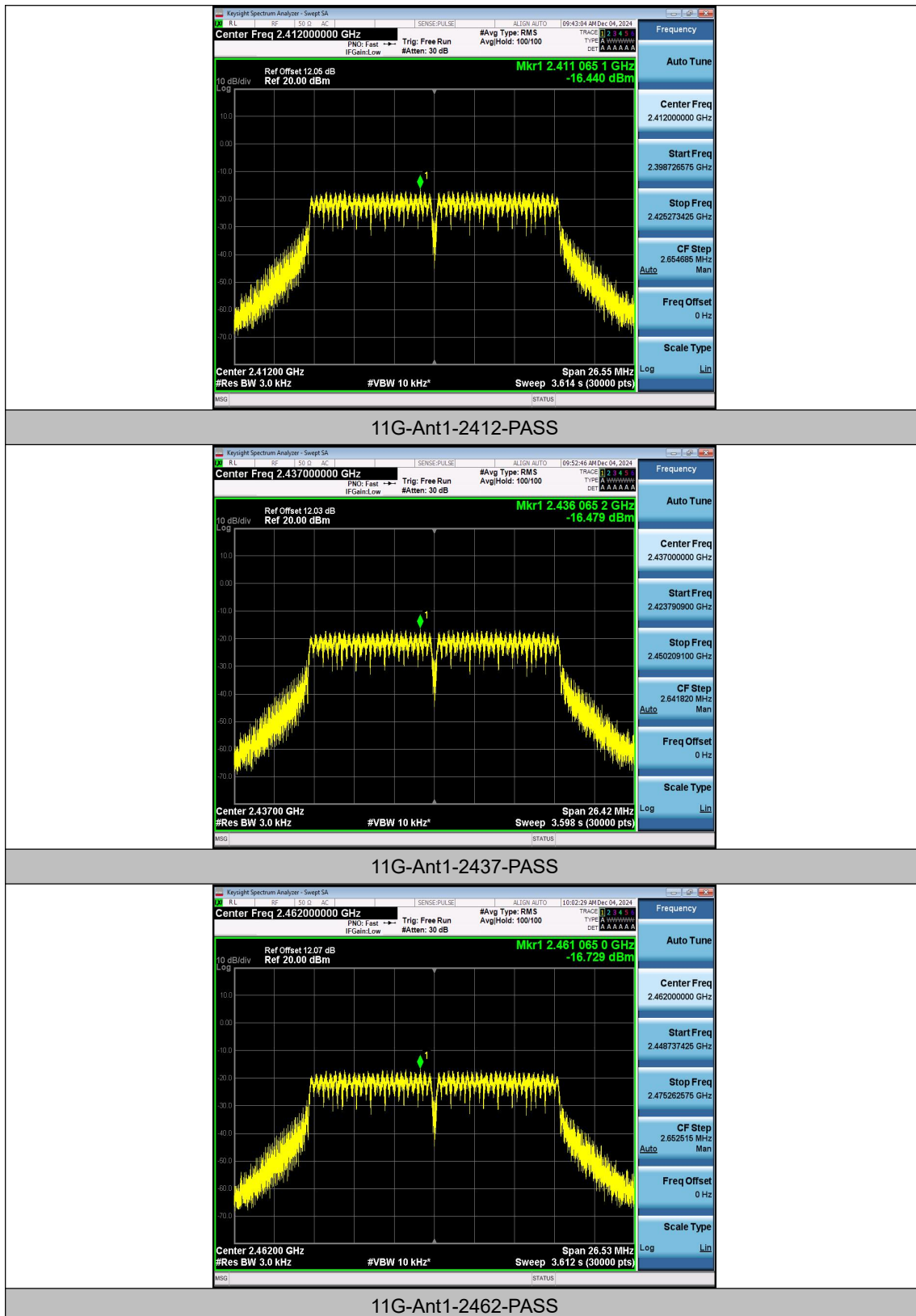
Appendix C: Maximum power spectral density

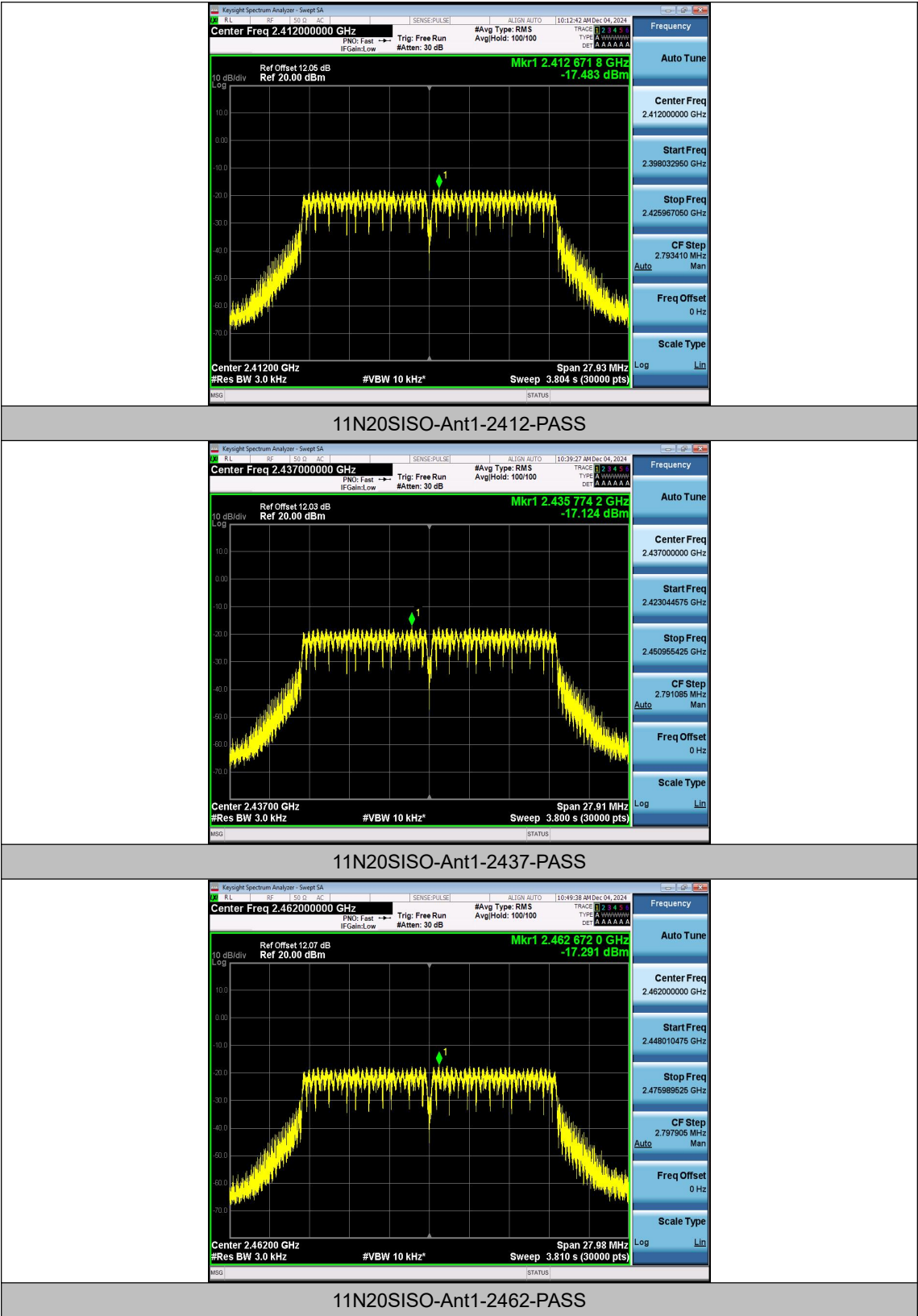
Test Result

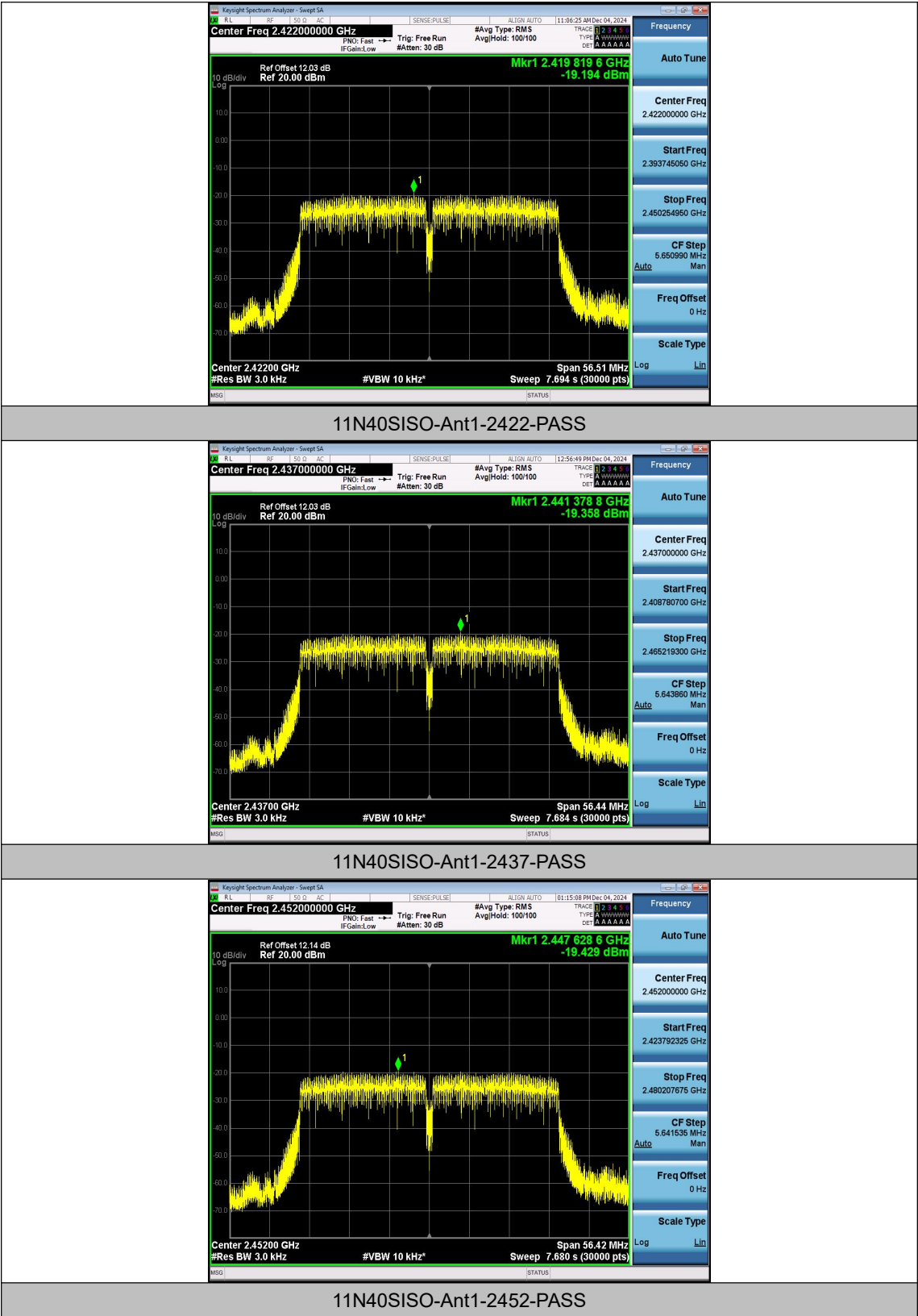
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.18	≤8.00	PASS
11B	Ant1	2437	-14.12	≤8.00	PASS
11B	Ant1	2462	-14.25	≤8.00	PASS
11G	Ant1	2412	-16.44	≤8.00	PASS
11G	Ant1	2437	-16.48	≤8.00	PASS
11G	Ant1	2462	-16.73	≤8.00	PASS
11N20SISO	Ant1	2412	-17.48	≤8.00	PASS
11N20SISO	Ant1	2437	-17.12	≤8.00	PASS
11N20SISO	Ant1	2462	-17.29	≤8.00	PASS
11N40SISO	Ant1	2422	-19.19	≤8.00	PASS
11N40SISO	Ant1	2437	-19.36	≤8.00	PASS
11N40SISO	Ant1	2452	-19.43	≤8.00	PASS

Test Graphs









Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2411.50	8.06
11B	Ant1	2437	2436.50	8.07
11B	Ant1	2462	2462.53	7.92
11G	Ant1	2412	2409.52	1.29
11G	Ant1	2437	2434.50	1.39
11G	Ant1	2462	2463.66	1.11
11N20SISO	Ant1	2412	2409.16	1.53
11N20SISO	Ant1	2437	2436.39	1.06
11N20SISO	Ant1	2462	2456.65	1.16
11N40SISO	Ant1	2422	2417.85	-1.78
11N40SISO	Ant1	2437	2432.85	-1.69
11N40SISO	Ant1	2452	2448.51	-1.64

Test Graphs

