

Appendix for WiFi

Product Name: WIFI+BLE Module

Model No: UAM056

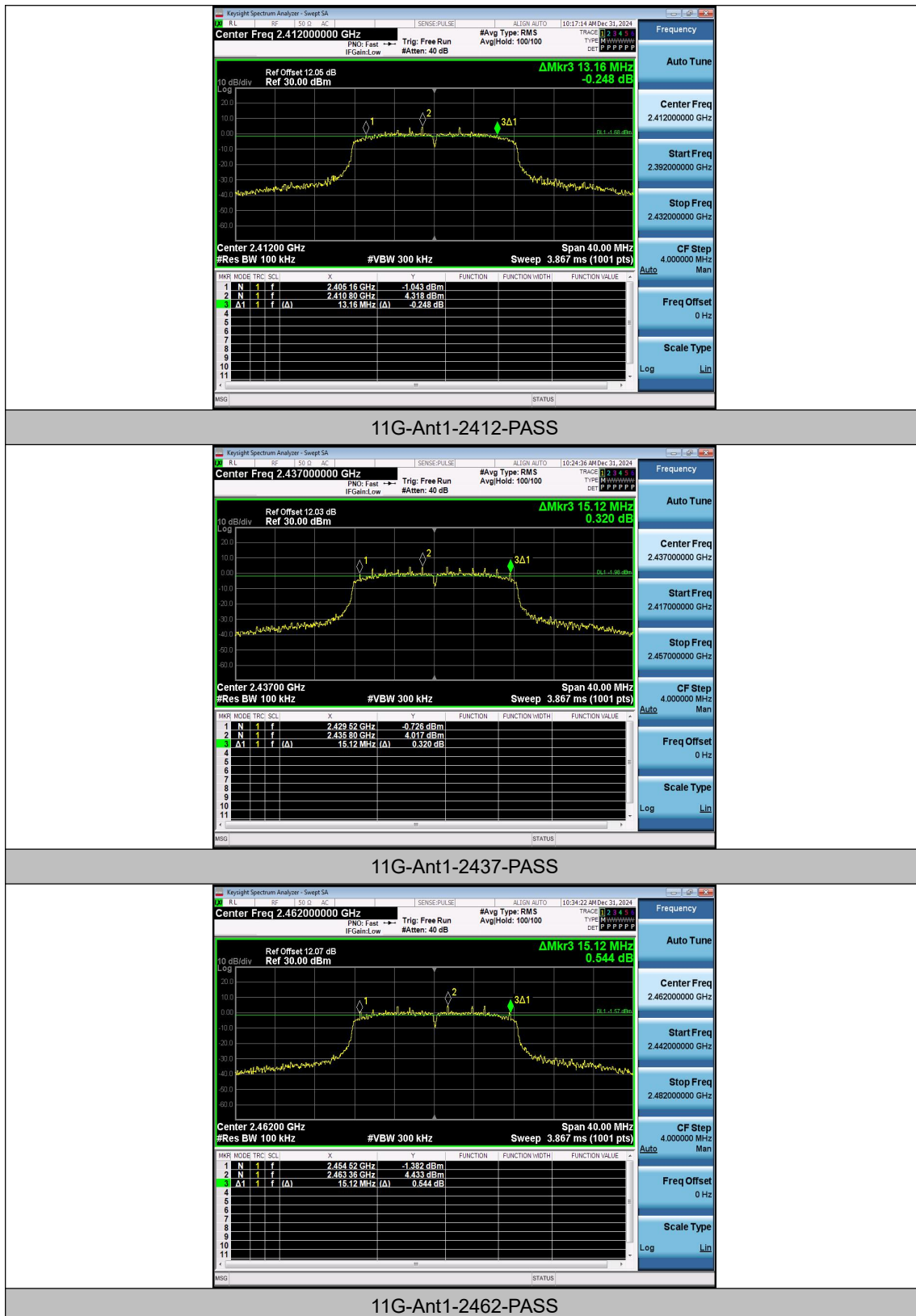
Appendix A: DTS Bandwidth

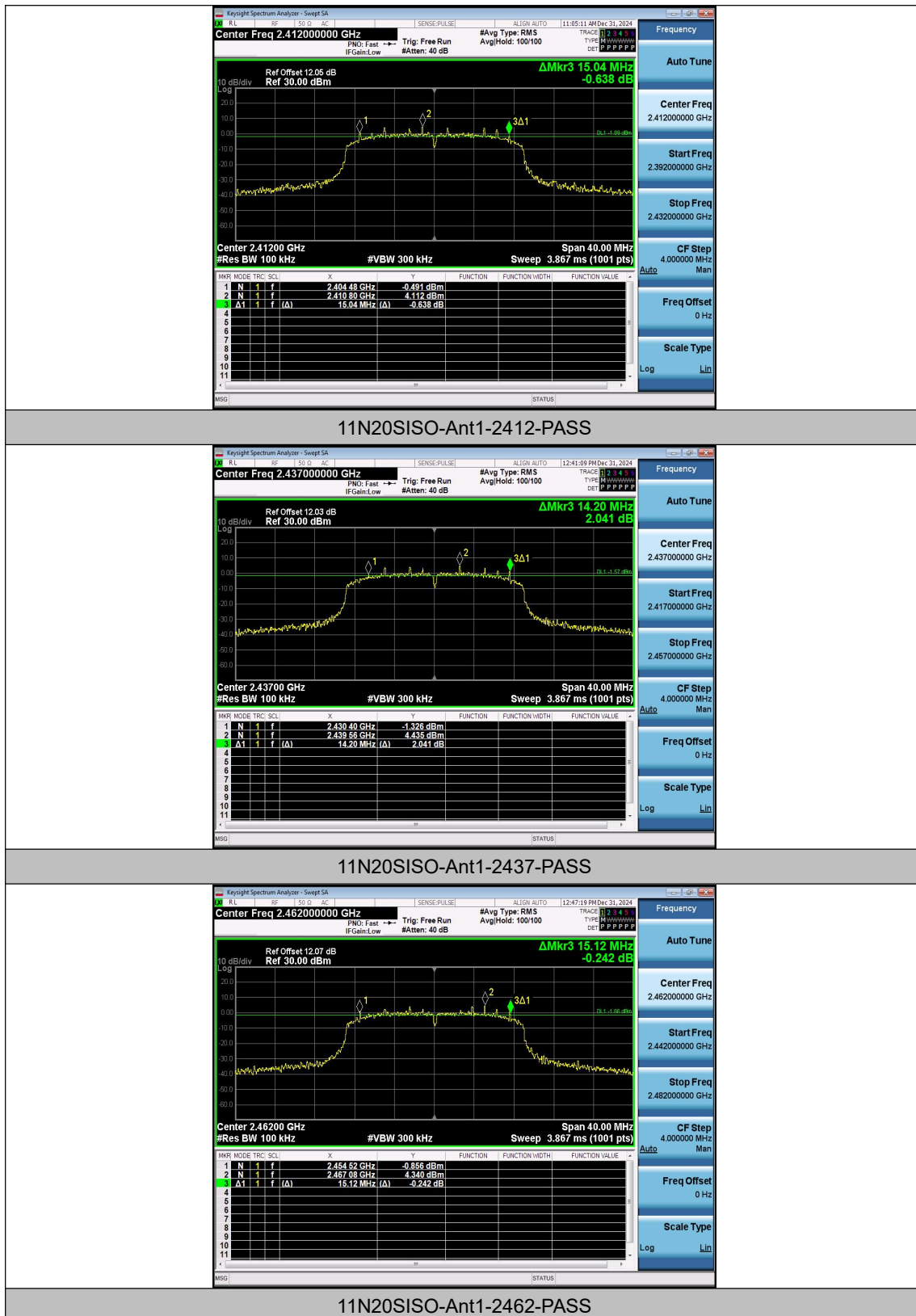
Test Result

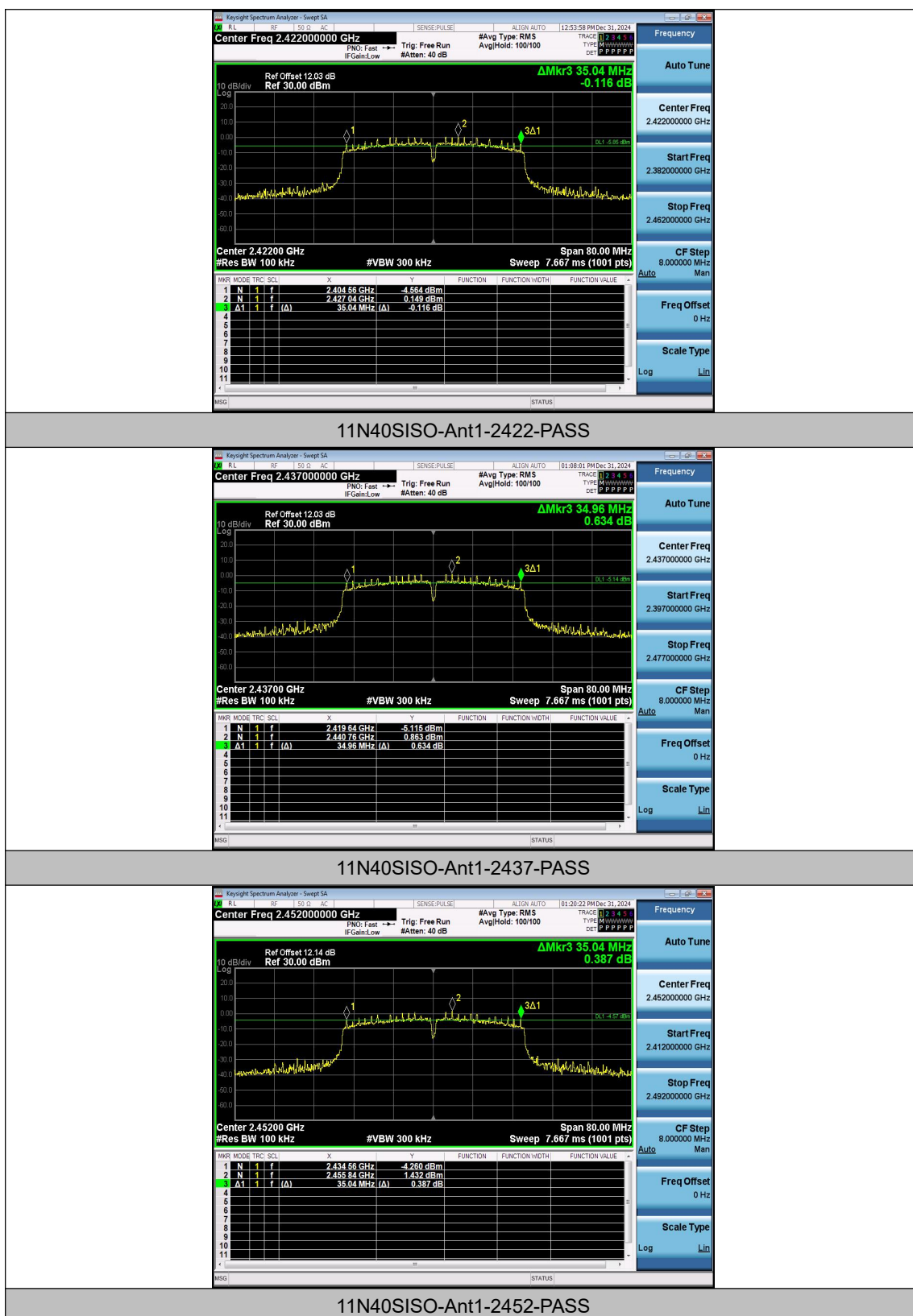
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.520	2407.160	2416.680	0.5	PASS
11B	Ant1	2437	10.040	2432.200	2442.240	0.5	PASS
11B	Ant1	2462	10.000	2457.280	2467.280	0.5	PASS
11G	Ant1	2412	13.160	2405.160	2418.320	0.5	PASS
11G	Ant1	2437	15.120	2429.520	2444.640	0.5	PASS
11G	Ant1	2462	15.120	2454.520	2469.640	0.5	PASS
11N20SISO	Ant1	2412	15.040	2404.480	2419.520	0.5	PASS
11N20SISO	Ant1	2437	14.200	2430.400	2444.600	0.5	PASS
11N20SISO	Ant1	2462	15.120	2454.520	2469.640	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.560	2439.600	0.5	PASS
11N40SISO	Ant1	2437	34.960	2419.640	2454.600	0.5	PASS
11N40SISO	Ant1	2452	35.040	2434.560	2469.600	0.5	PASS
11AX20SISO	Ant1	2412	15.080	2404.480	2419.560	0.5	PASS
11AX20SISO	Ant1	2437	15.040	2429.560	2444.600	0.5	PASS
11AX20SISO	Ant1	2462	14.280	2454.640	2468.920	0.5	PASS
11AX40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
11AX40SISO	Ant1	2437	31.360	2420.760	2452.120	0.5	PASS
11AX40SISO	Ant1	2452	34.960	2434.560	2469.520	0.5	PASS

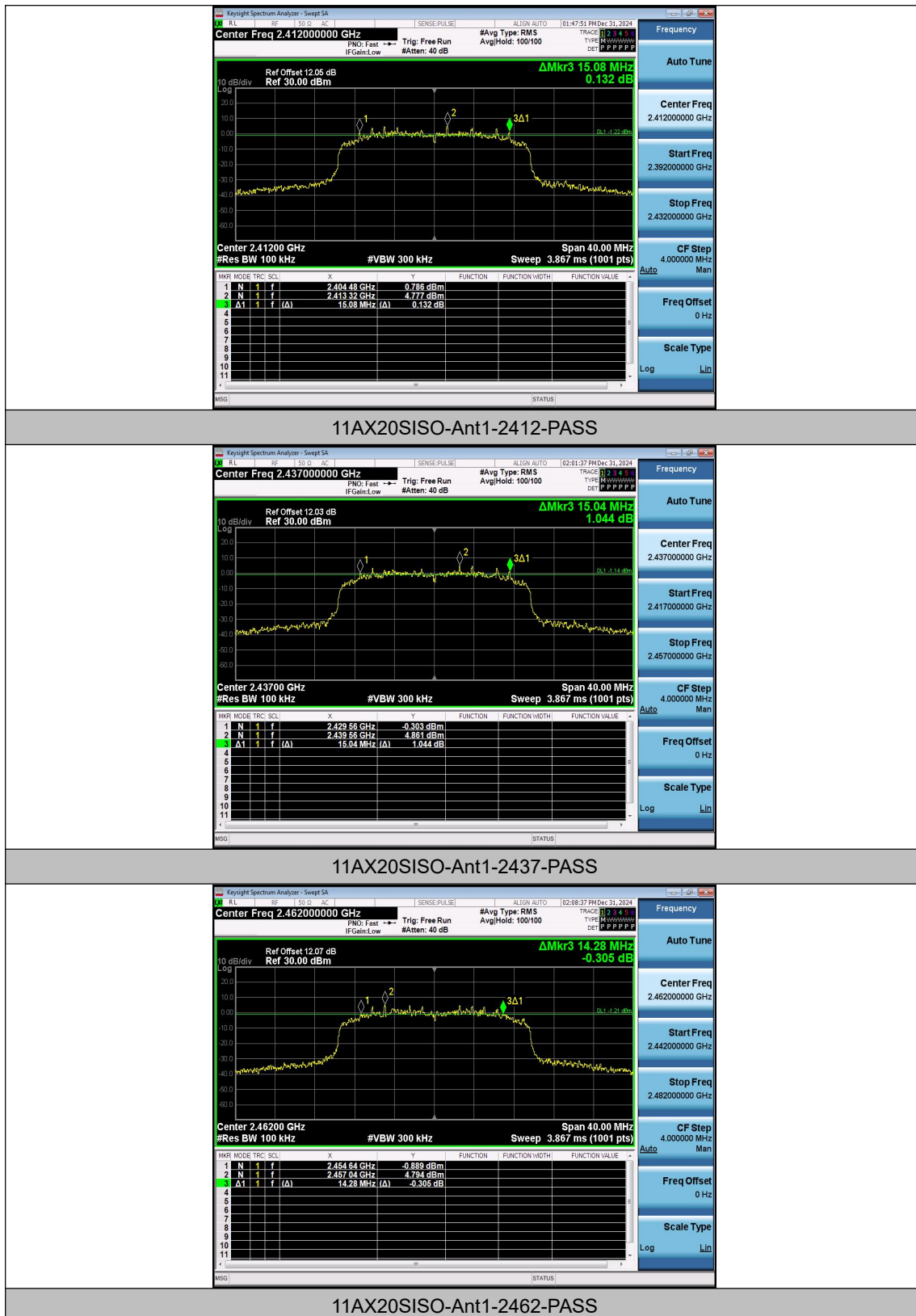
Test Graphs

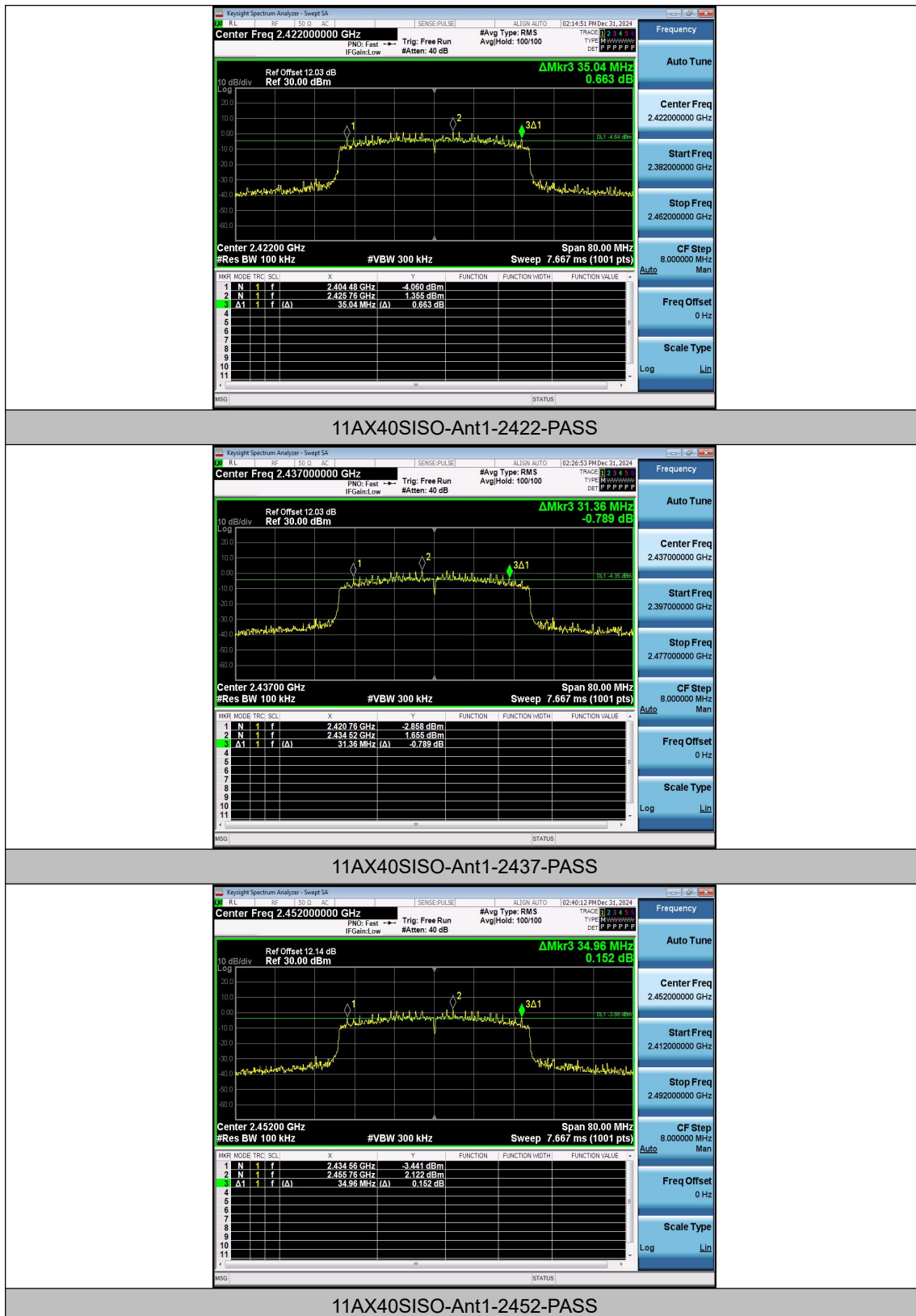












Appendix B: Maximum conducted output power

Test Result Peak

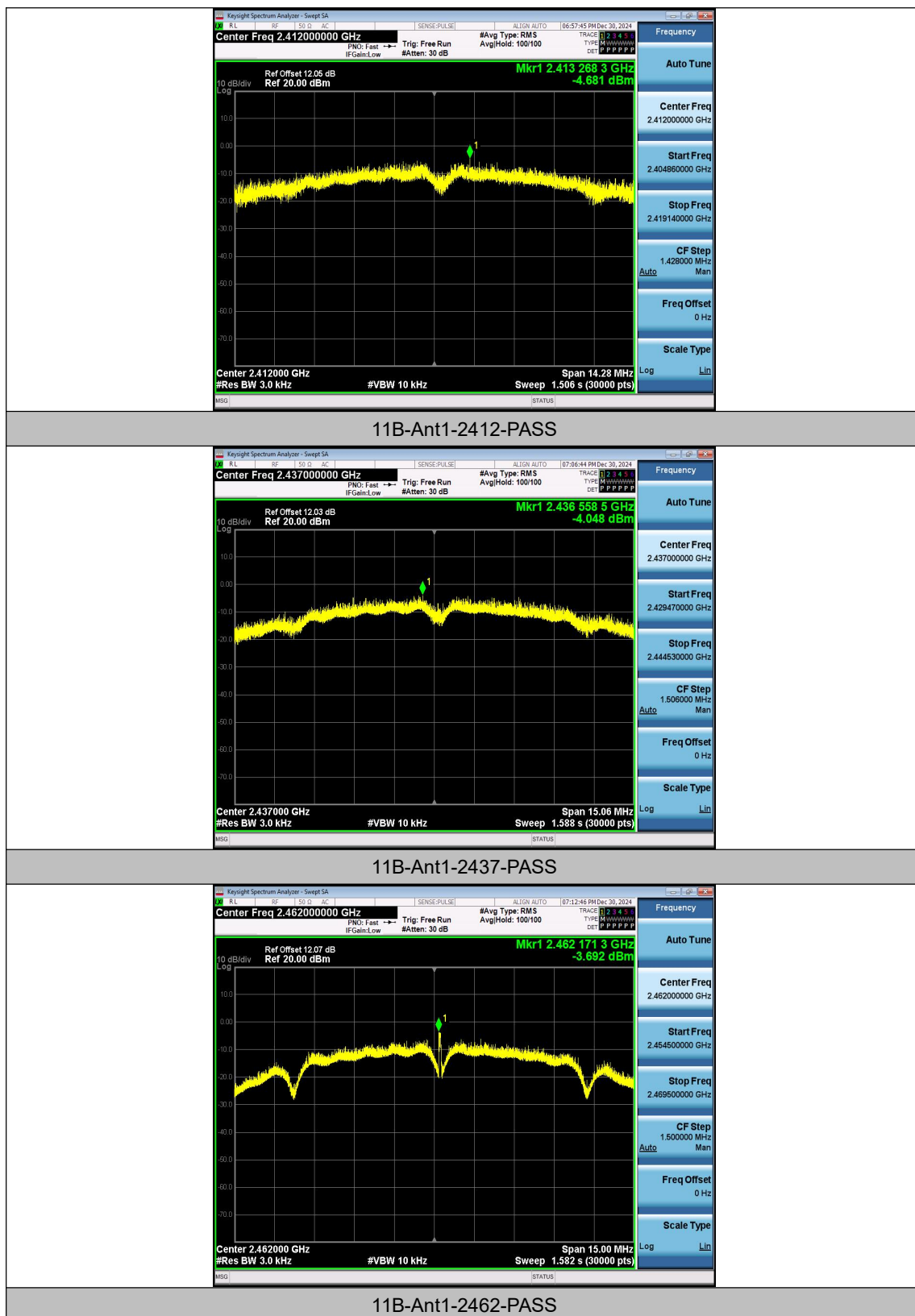
TestMode	Antenna	Frequency [MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	17.65	≤30.00	PASS
11B	Ant1	2437	17.00	≤30.00	PASS
11B	Ant1	2462	16.97	≤30.00	PASS
11G	Ant1	2412	14.61	≤30.00	PASS
11G	Ant1	2437	15.11	≤30.00	PASS
11G	Ant1	2462	15.47	≤30.00	PASS
11N20SISO	Ant1	2412	14.38	≤30.00	PASS
11N20SISO	Ant1	2437	15.02	≤30.00	PASS
11N20SISO	Ant1	2462	15.31	≤30.00	PASS
11N40SISO	Ant1	2422	14.05	≤30.00	PASS
11N40SISO	Ant1	2437	14.32	≤30.00	PASS
11N40SISO	Ant1	2452	14.43	≤30.00	PASS
11AX20SISO	Ant1	2412	14.42	≤30.00	PASS
11AX20SISO	Ant1	2437	14.95	≤30.00	PASS
11AX20SISO	Ant1	2462	15.35	≤30.00	PASS
11AX40SISO	Ant1	2422	14.29	≤30.00	PASS
11AX40SISO	Ant1	2437	14.47	≤30.00	PASS
11AX40SISO	Ant1	2452	14.75	≤30.00	PASS

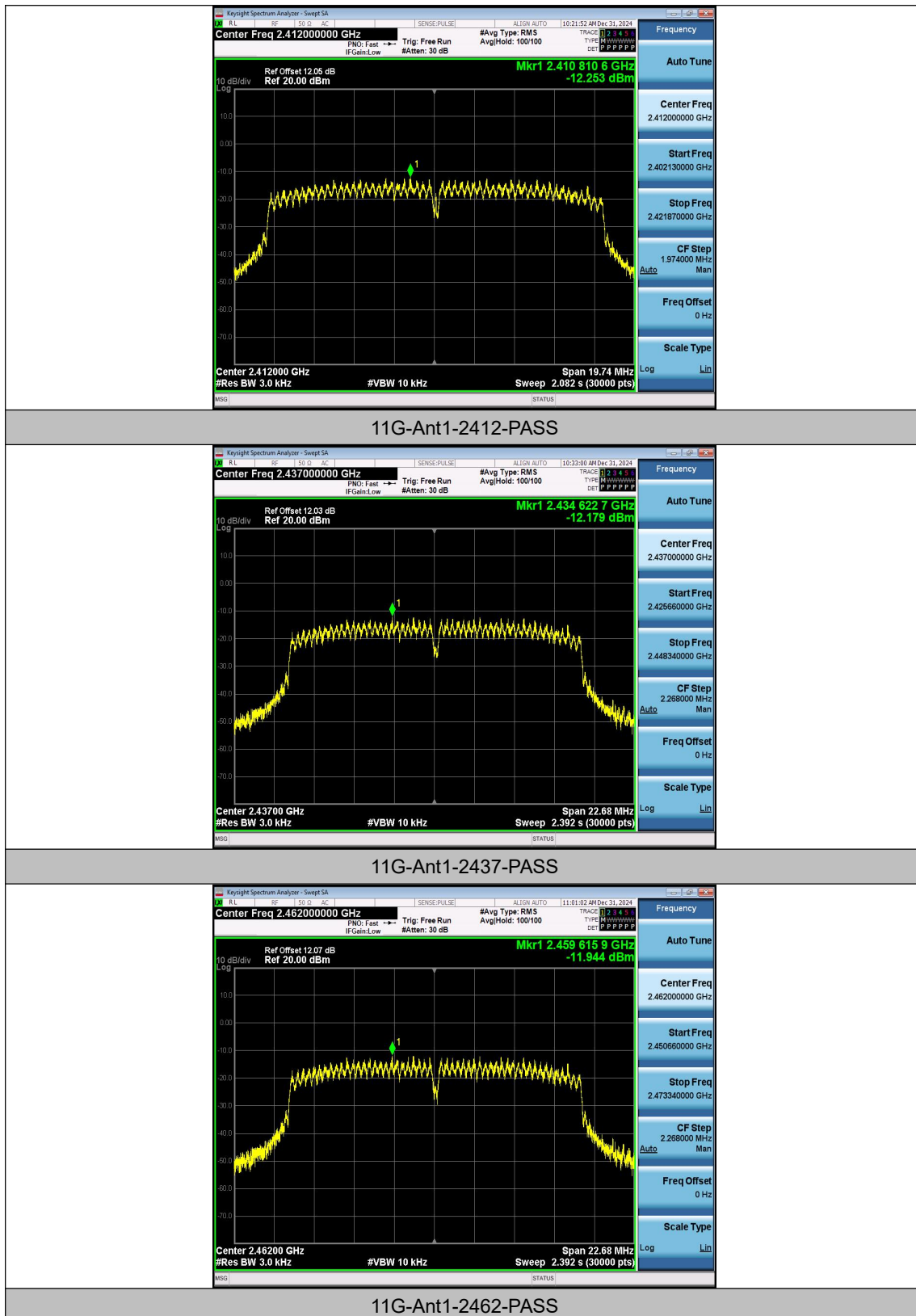
Appendix C: Maximum power spectral density

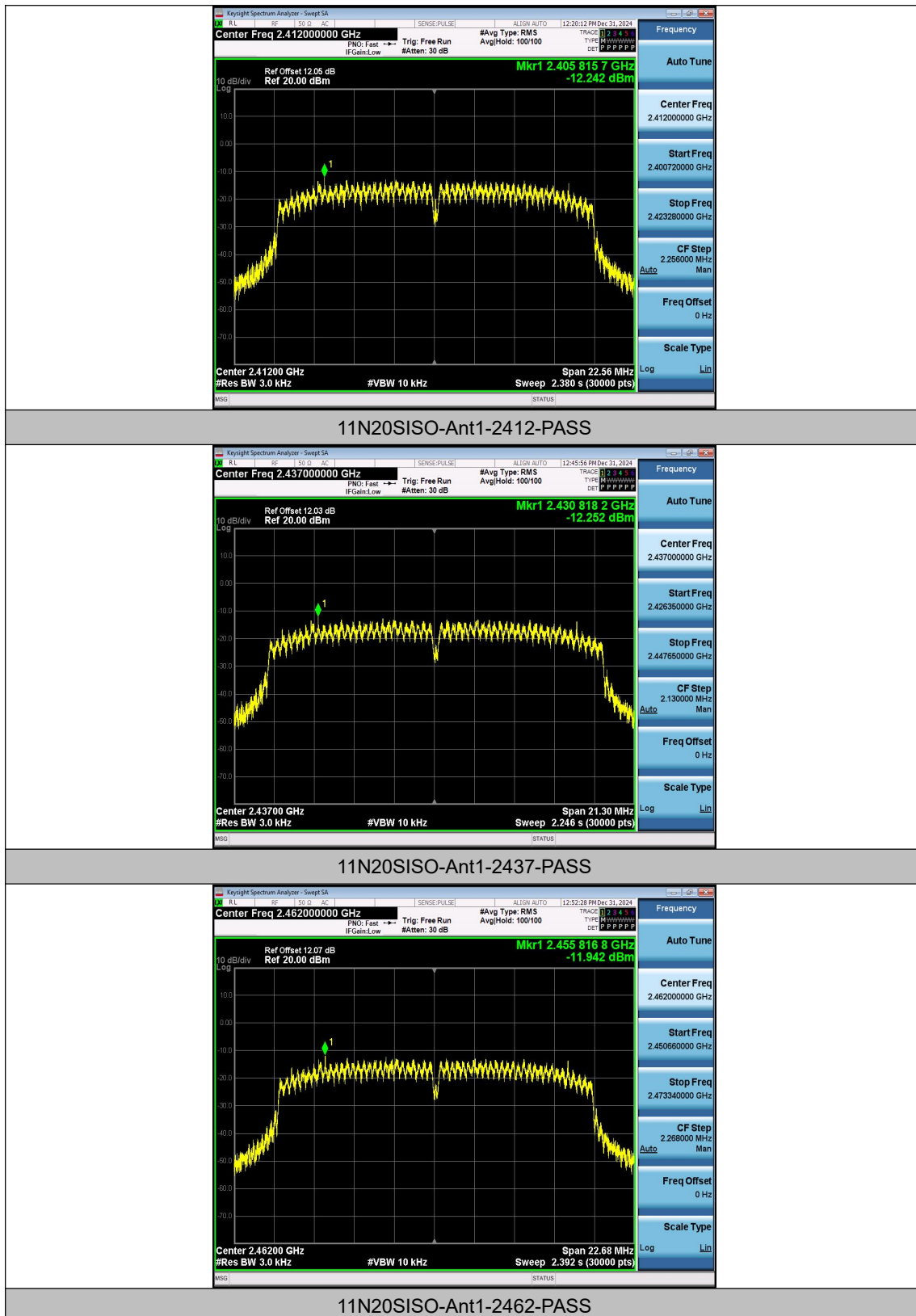
Test Result

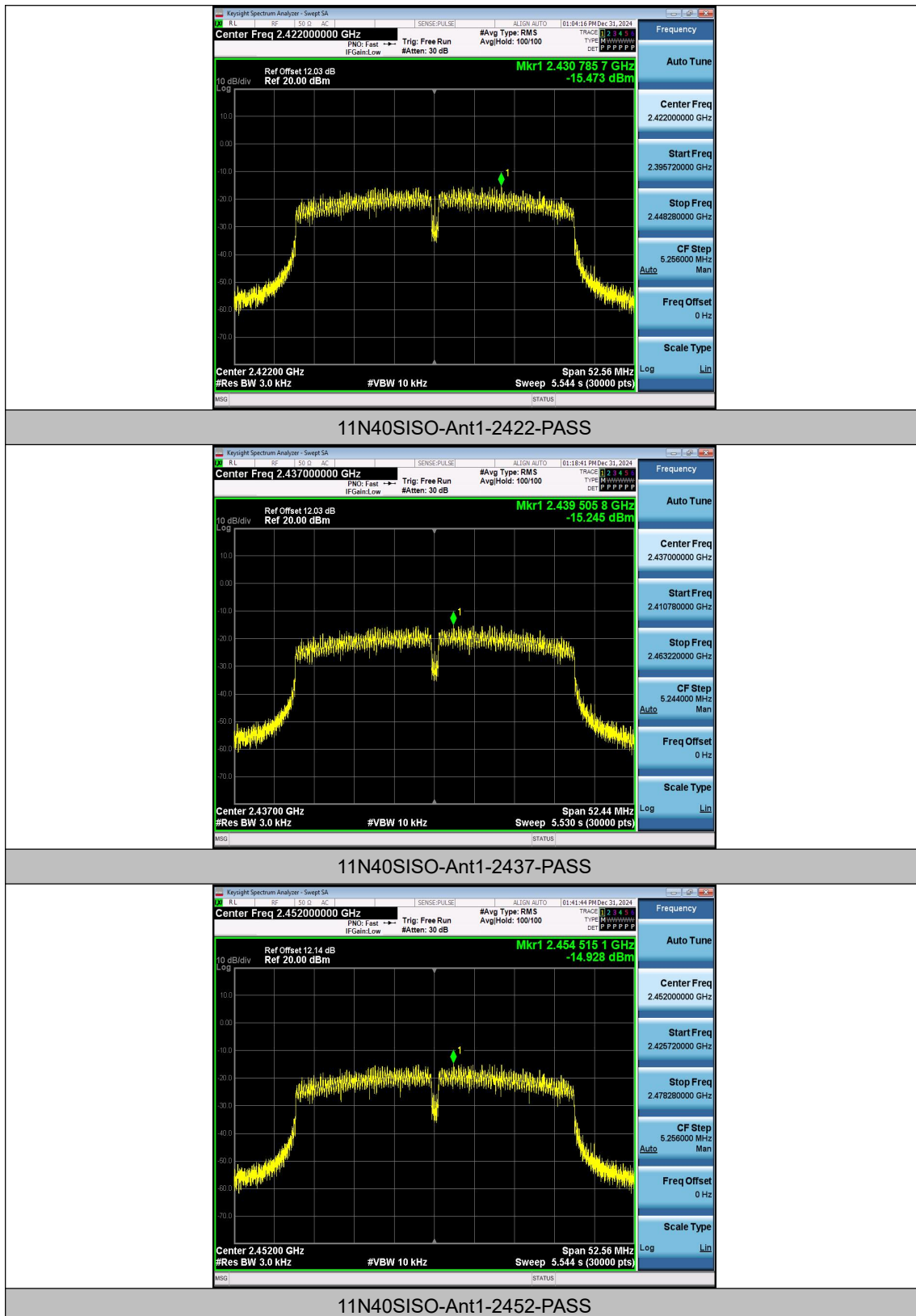
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.68	≤8.00	PASS
11B	Ant1	2437	-4.05	≤8.00	PASS
11B	Ant1	2462	-3.69	≤8.00	PASS
11G	Ant1	2412	-12.25	≤8.00	PASS
11G	Ant1	2437	-12.18	≤8.00	PASS
11G	Ant1	2462	-11.94	≤8.00	PASS
11N20SISO	Ant1	2412	-12.24	≤8.00	PASS
11N20SISO	Ant1	2437	-12.25	≤8.00	PASS
11N20SISO	Ant1	2462	-11.94	≤8.00	PASS
11N40SISO	Ant1	2422	-15.47	≤8.00	PASS
11N40SISO	Ant1	2437	-15.25	≤8.00	PASS
11N40SISO	Ant1	2452	-14.93	≤8.00	PASS
11AX20SISO	Ant1	2412	-12.24	≤8.00	PASS
11AX20SISO	Ant1	2437	-12.24	≤8.00	PASS
11AX20SISO	Ant1	2462	-11.98	≤8.00	PASS
11AX40SISO	Ant1	2422	-15.39	≤8.00	PASS
11AX40SISO	Ant1	2437	-15.25	≤8.00	PASS
11AX40SISO	Ant1	2452	-15.00	≤8.00	PASS

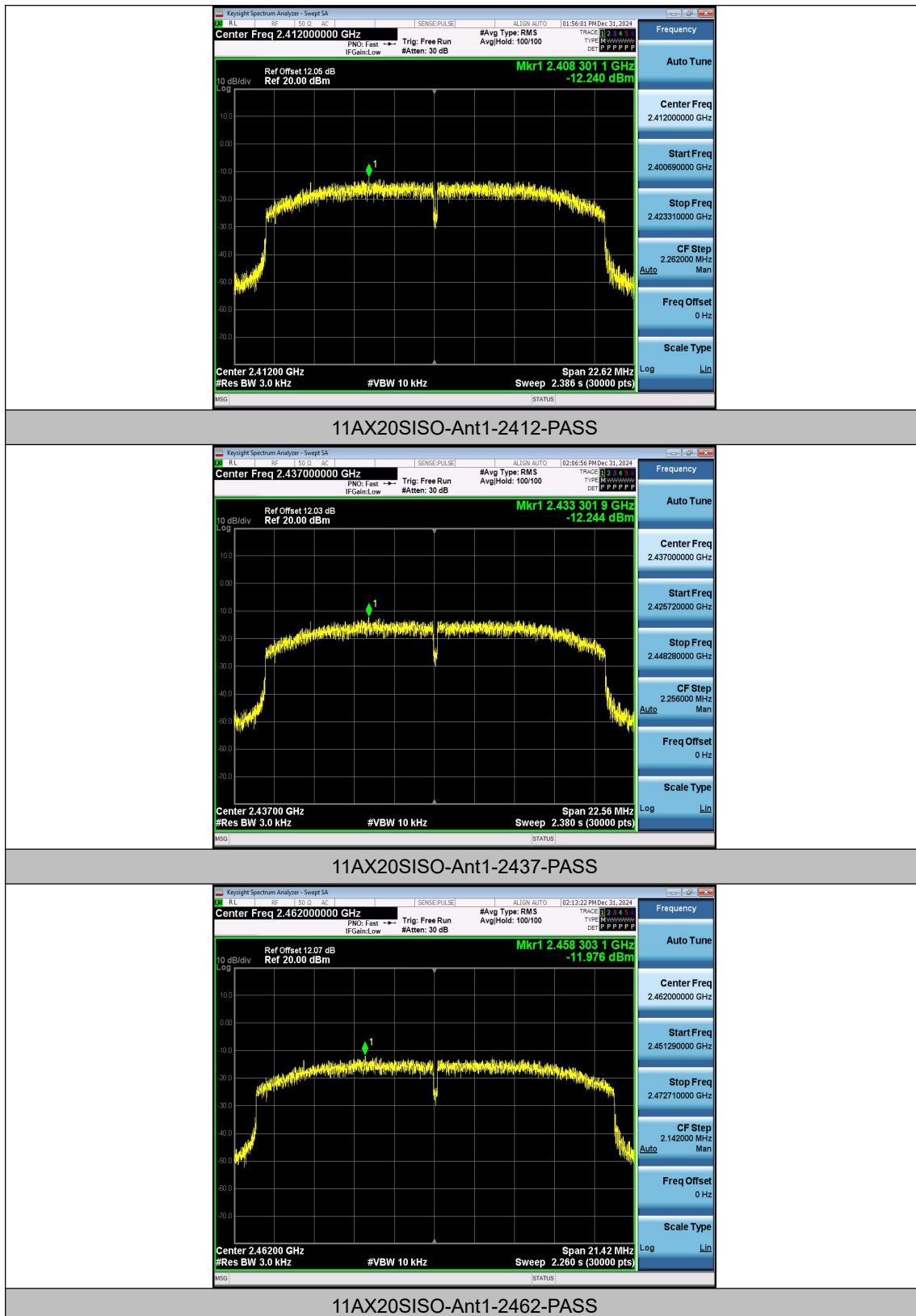
Test Graphs

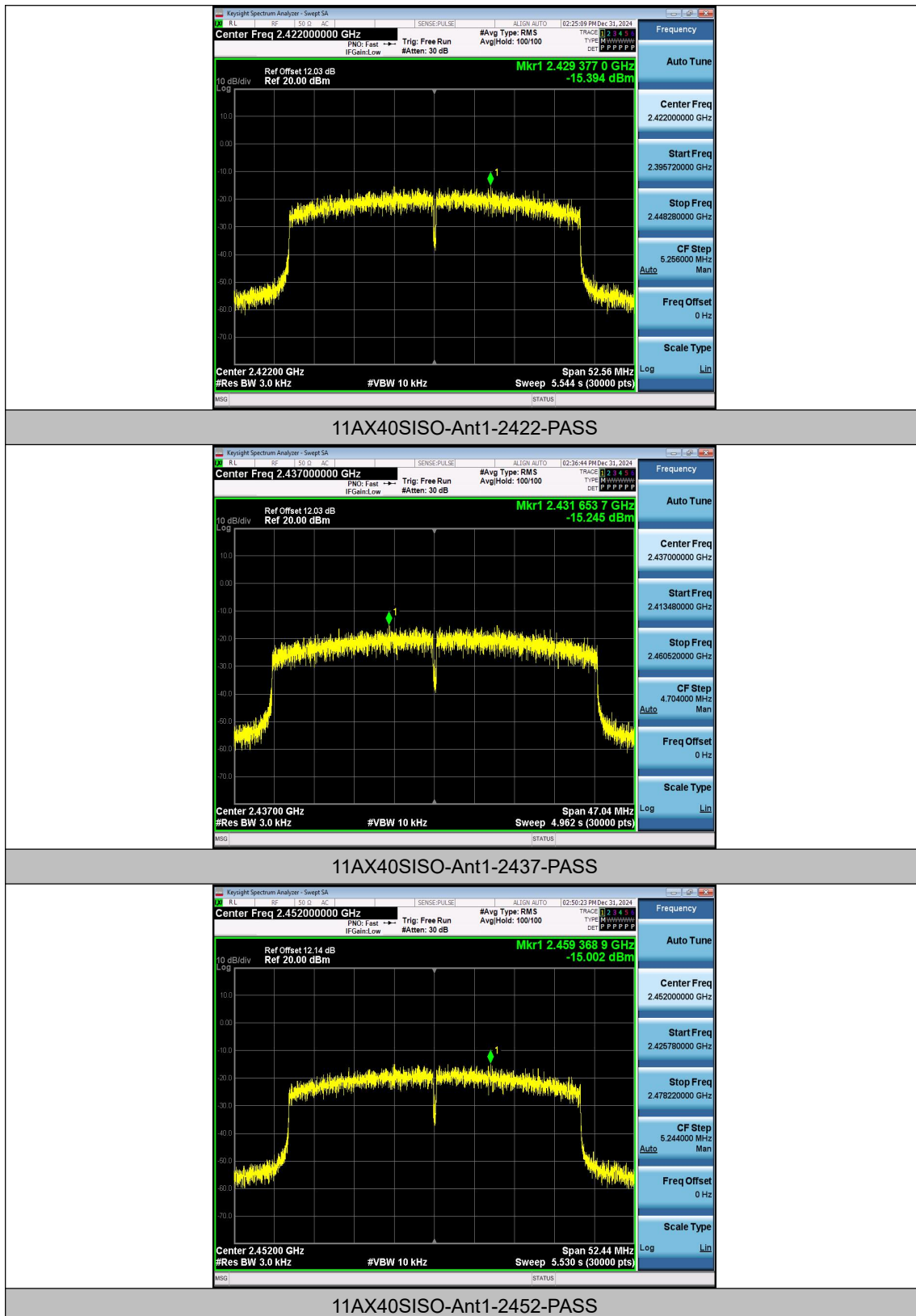












Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2411.47	10.39
11B	Ant1	2437	2434.24	8.28
11B	Ant1	2462	2461.73	7.33
11G	Ant1	2412	2413.38	3.57
11G	Ant1	2437	2442.08	3.96
11G	Ant1	2462	2464.59	4.54
11N20SISO	Ant1	2412	2413.35	4.33
11N20SISO	Ant1	2437	2442.07	4.02
11N20SISO	Ant1	2462	2464.56	4.43
11N40SISO	Ant1	2422	2419.58	0.52
11N40SISO	Ant1	2437	2440.83	0.91
11N40SISO	Ant1	2452	2455.84	1.11
11AX20SISO	Ant1	2412	2414.56	4.57
11AX20SISO	Ant1	2437	2438.33	4.94
11AX20SISO	Ant1	2462	2463.31	4.99
11AX40SISO	Ant1	2422	2424.58	0.96
11AX40SISO	Ant1	2437	2434.55	1.49
11AX40SISO	Ant1	2452	2449.59	1.69