

Appendix for WIFI 2.4GHz

Product Name: Body Camera
Model No: B100

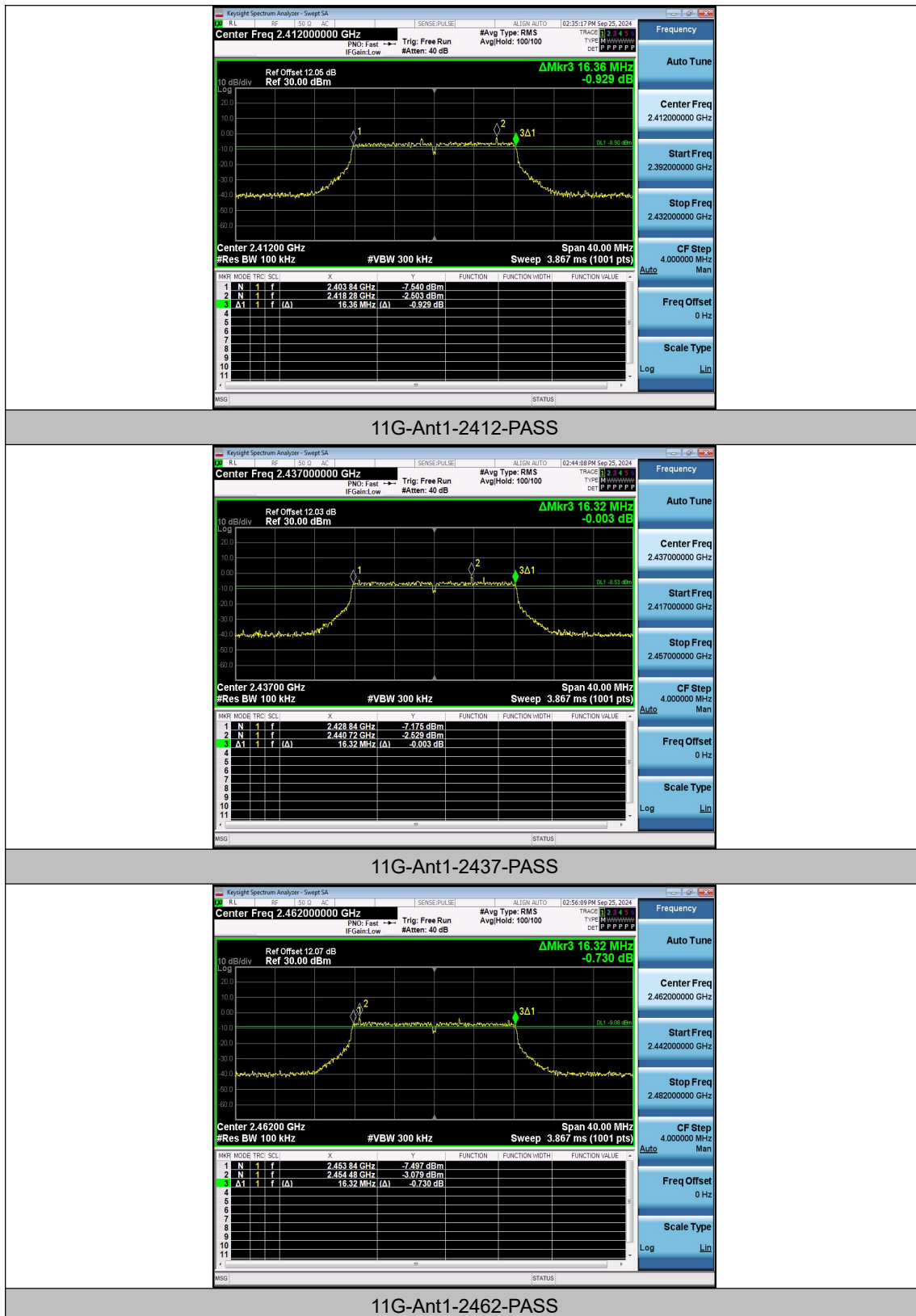
Appendix A: DTS Bandwidth

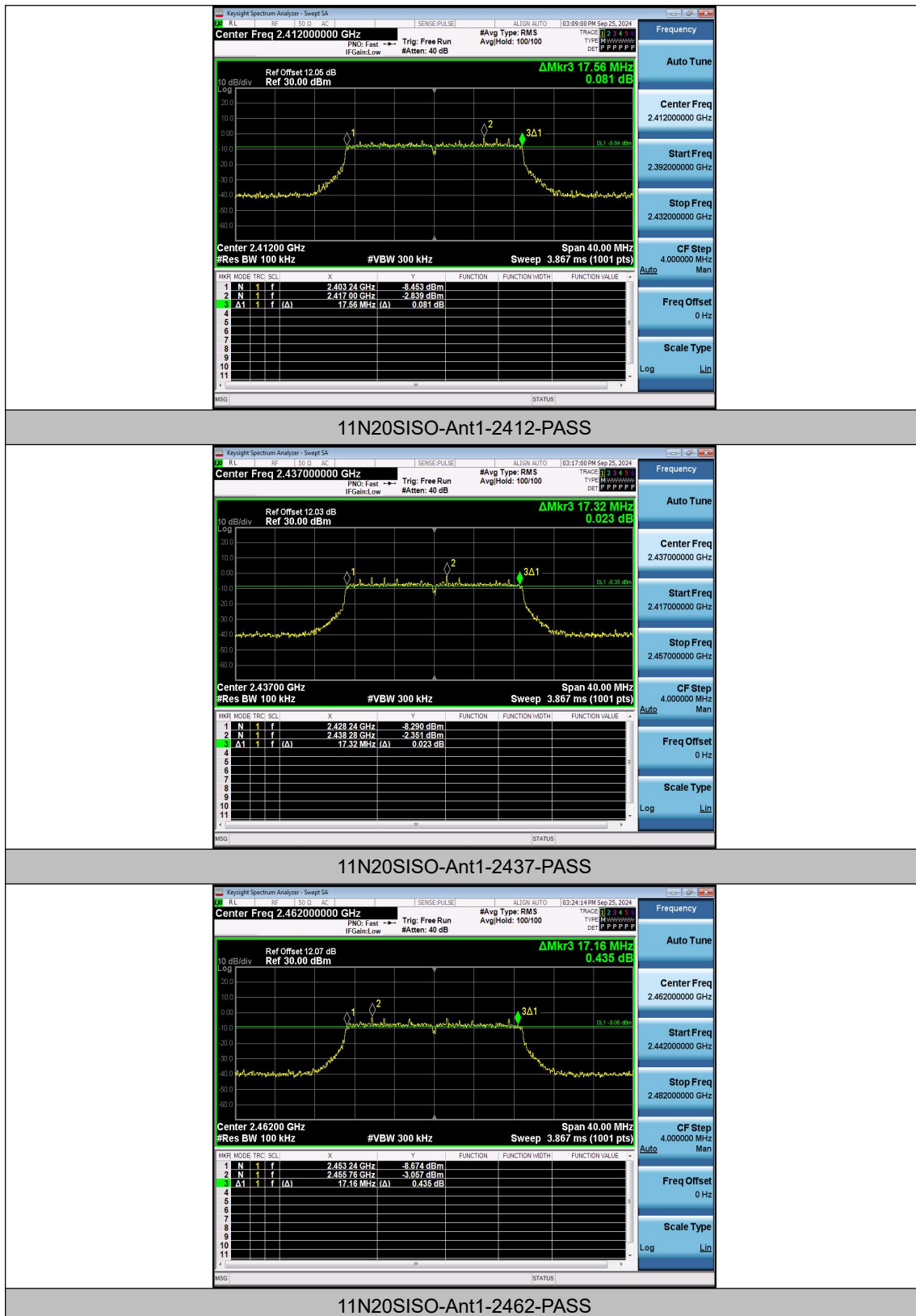
Test Result

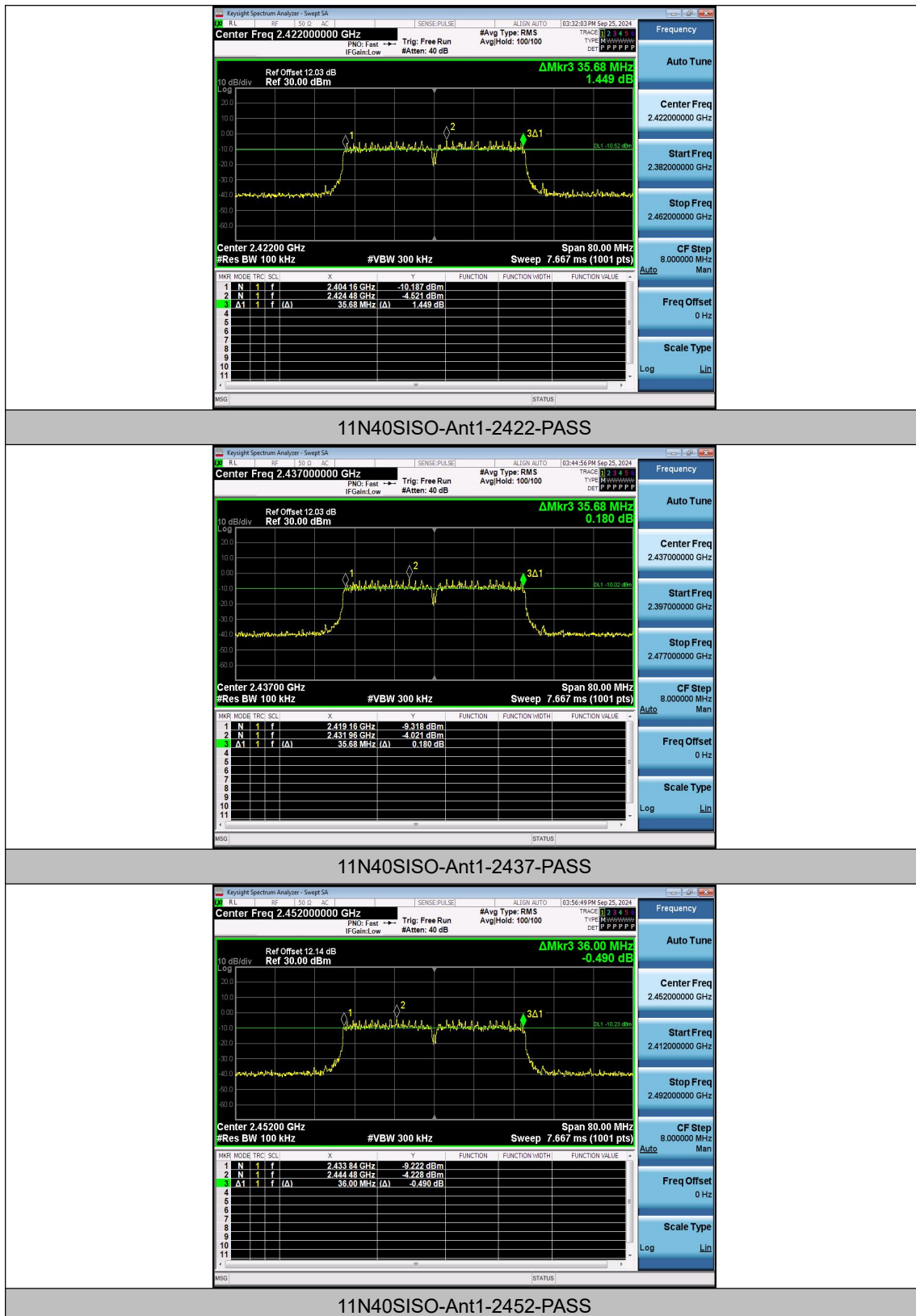
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.080	2407.960	2416.040	0.5	PASS
11B	Ant1	2437	8.520	2432.960	2441.480	0.5	PASS
11B	Ant1	2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
11G	Ant1	2437	16.320	2428.840	2445.160	0.5	PASS
11G	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	0.5	PASS
11N20SISO	Ant1	2437	17.320	2428.240	2445.560	0.5	PASS
11N20SISO	Ant1	2462	17.160	2453.240	2470.400	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.160	2439.840	0.5	PASS
11N40SISO	Ant1	2437	35.680	2419.160	2454.840	0.5	PASS
11N40SISO	Ant1	2452	36.000	2433.840	2469.840	0.5	PASS

Test Graphs









Appendix B: Maximum conducted output power

Test Result Peak

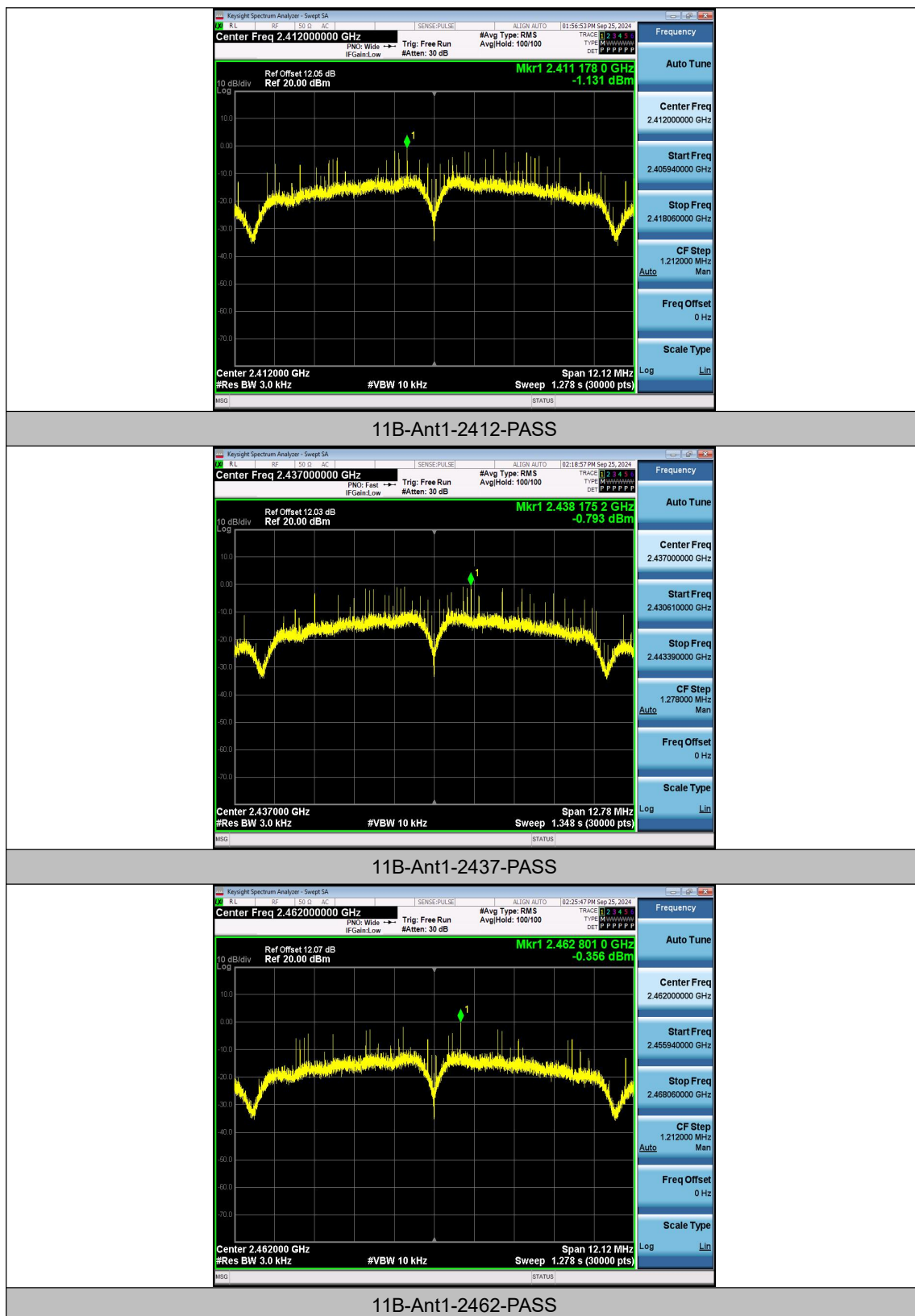
TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	13.46	≤30.00	PASS
11B	Ant1	2437	14.26	≤30.00	PASS
11B	Ant1	2462	13.19	≤30.00	PASS
11G	Ant1	2412	9.22	≤30.00	PASS
11G	Ant1	2437	9.01	≤30.00	PASS
11G	Ant1	2462	8.56	≤30.00	PASS
11N20SISO	Ant1	2412	8.61	≤30.00	PASS
11N20SISO	Ant1	2437	8.51	≤30.00	PASS
11N20SISO	Ant1	2462	7.50	≤30.00	PASS
11N40SISO	Ant1	2422	9.21	≤30.00	PASS
11N40SISO	Ant1	2437	11.16	≤30.00	PASS
11N40SISO	Ant1	2452	10.13	≤30.00	PASS

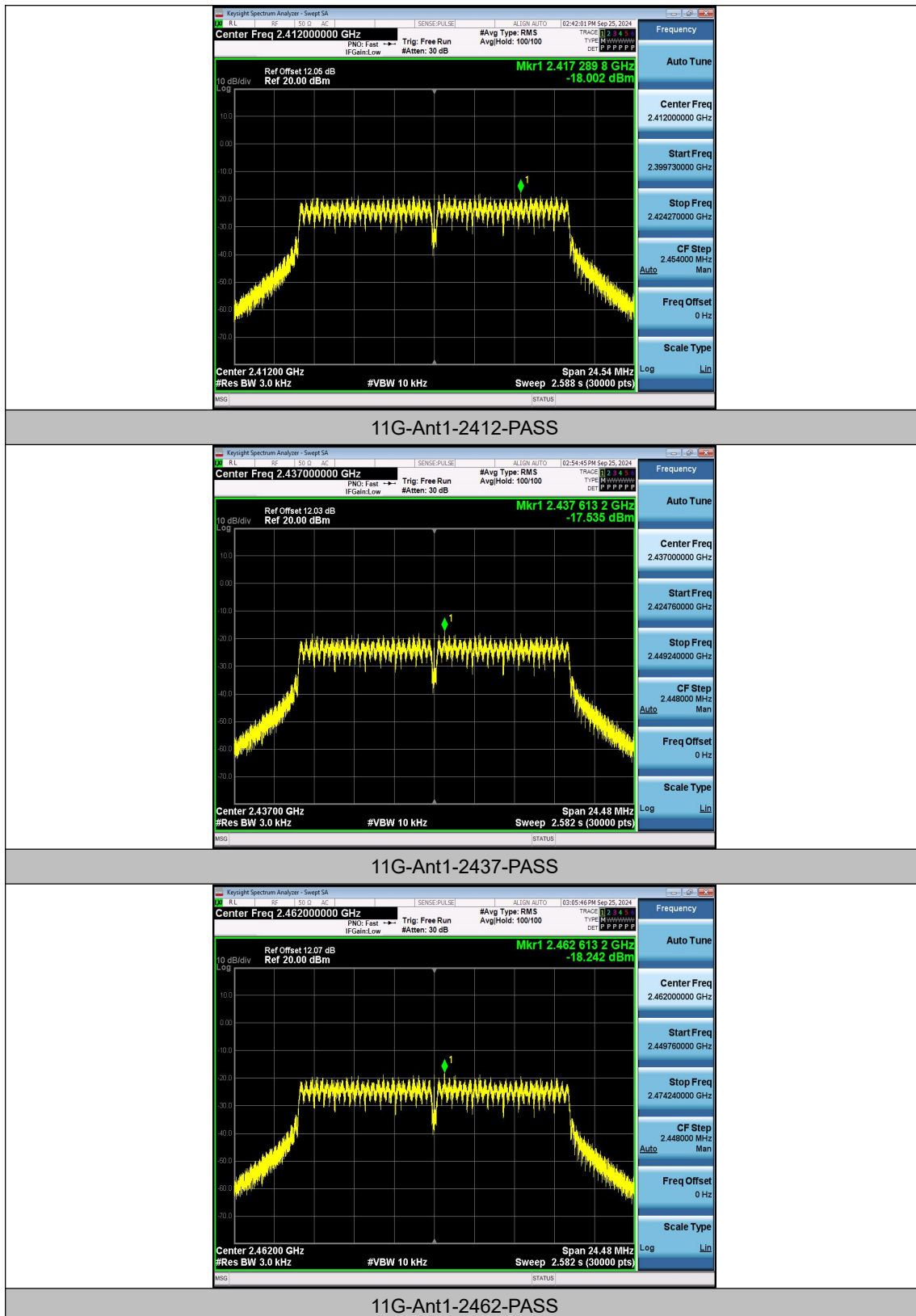
Appendix C: Maximum power spectral density

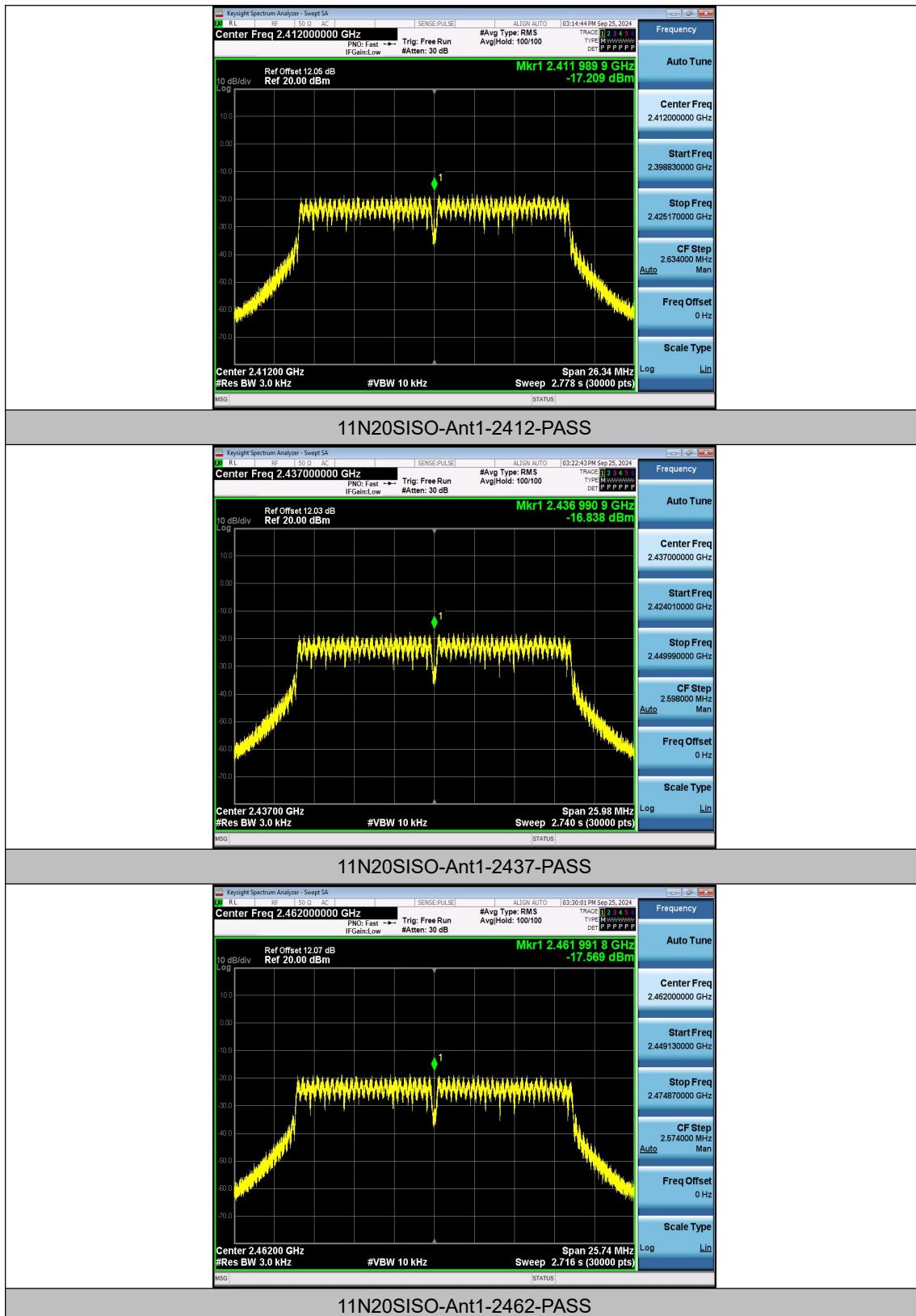
Test Result

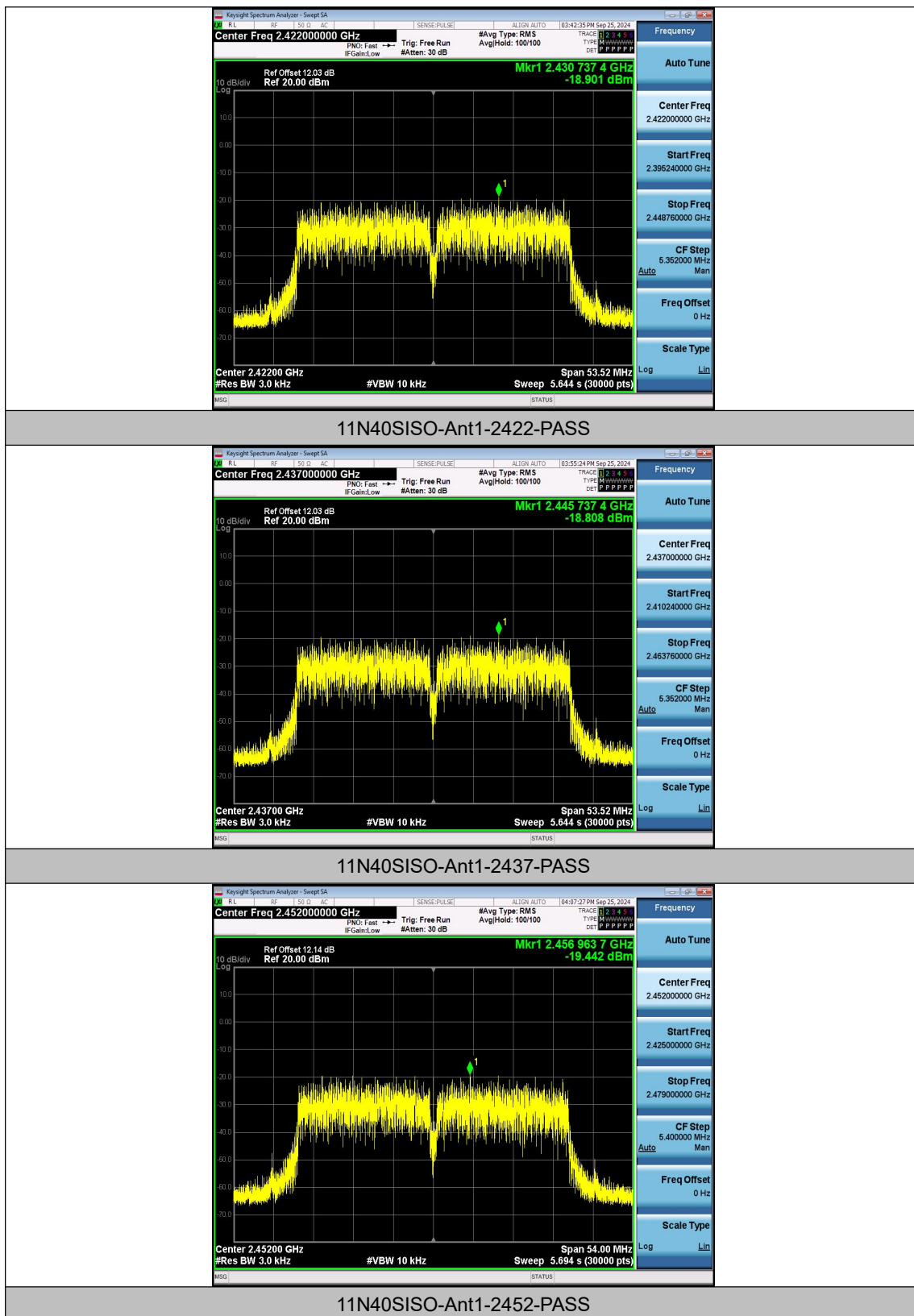
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-1.13	≤8.00	PASS
11B	Ant1	2437	-0.79	≤8.00	PASS
11B	Ant1	2462	-0.36	≤8.00	PASS
11G	Ant1	2412	-18.00	≤8.00	PASS
11G	Ant1	2437	-17.54	≤8.00	PASS
11G	Ant1	2462	-18.24	≤8.00	PASS
11N20SISO	Ant1	2412	-17.21	≤8.00	PASS
11N20SISO	Ant1	2437	-16.84	≤8.00	PASS
11N20SISO	Ant1	2462	-17.57	≤8.00	PASS
11N40SISO	Ant1	2422	-18.90	≤8.00	PASS
11N40SISO	Ant1	2437	-18.81	≤8.00	PASS
11N40SISO	Ant1	2452	-19.44	≤8.00	PASS

Test Graphs









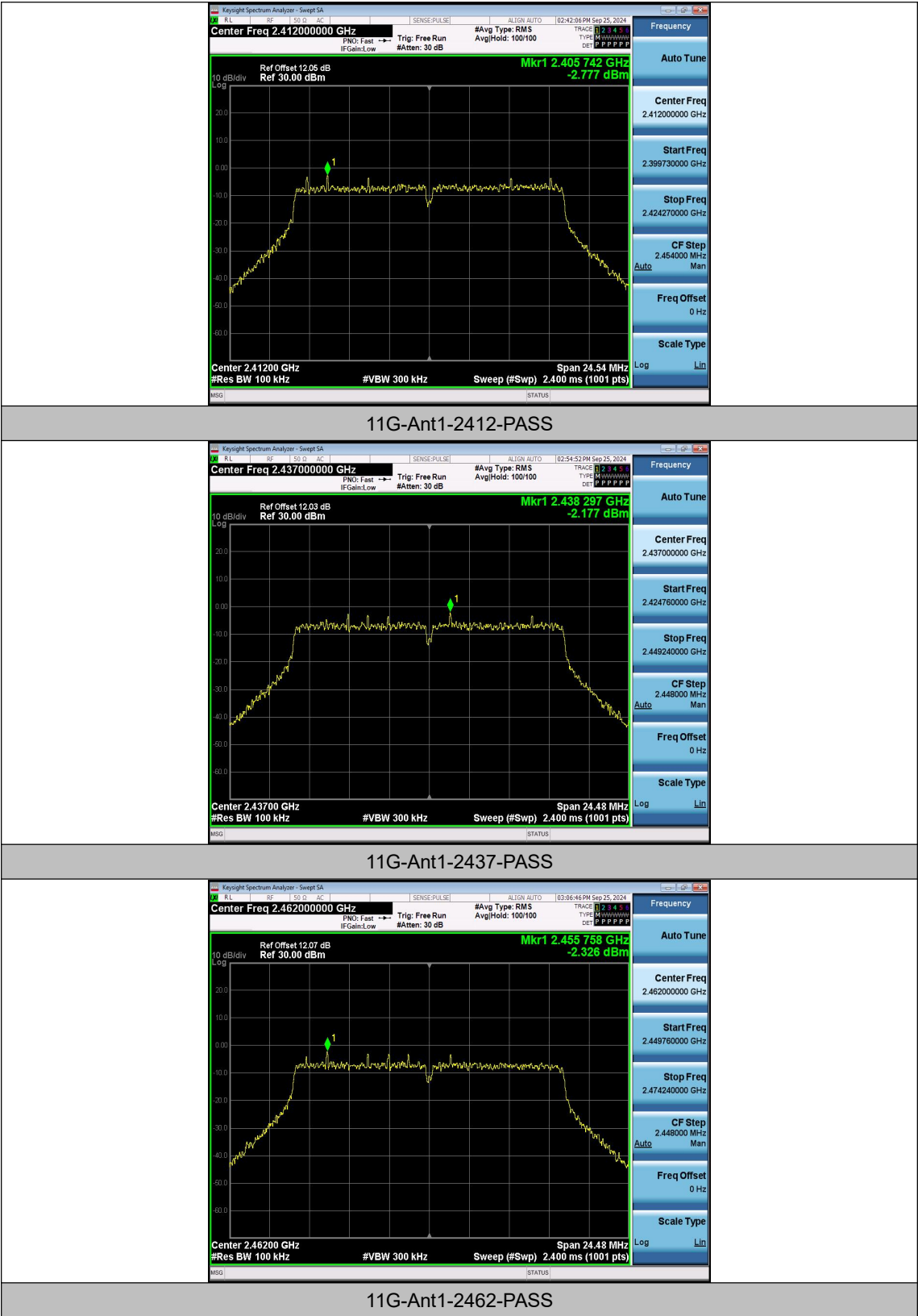
Appendix D: Reference level measurement

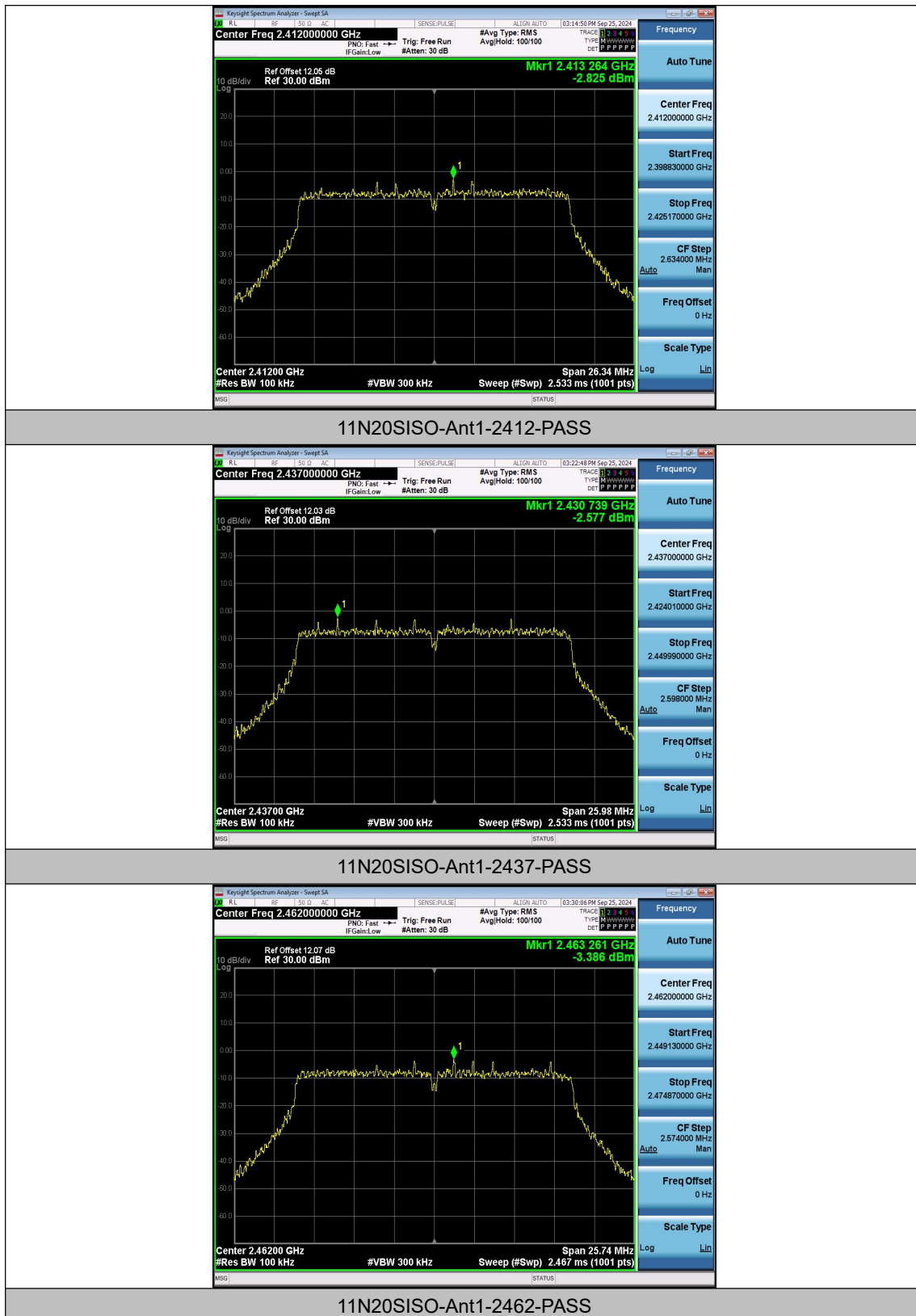
Test Result

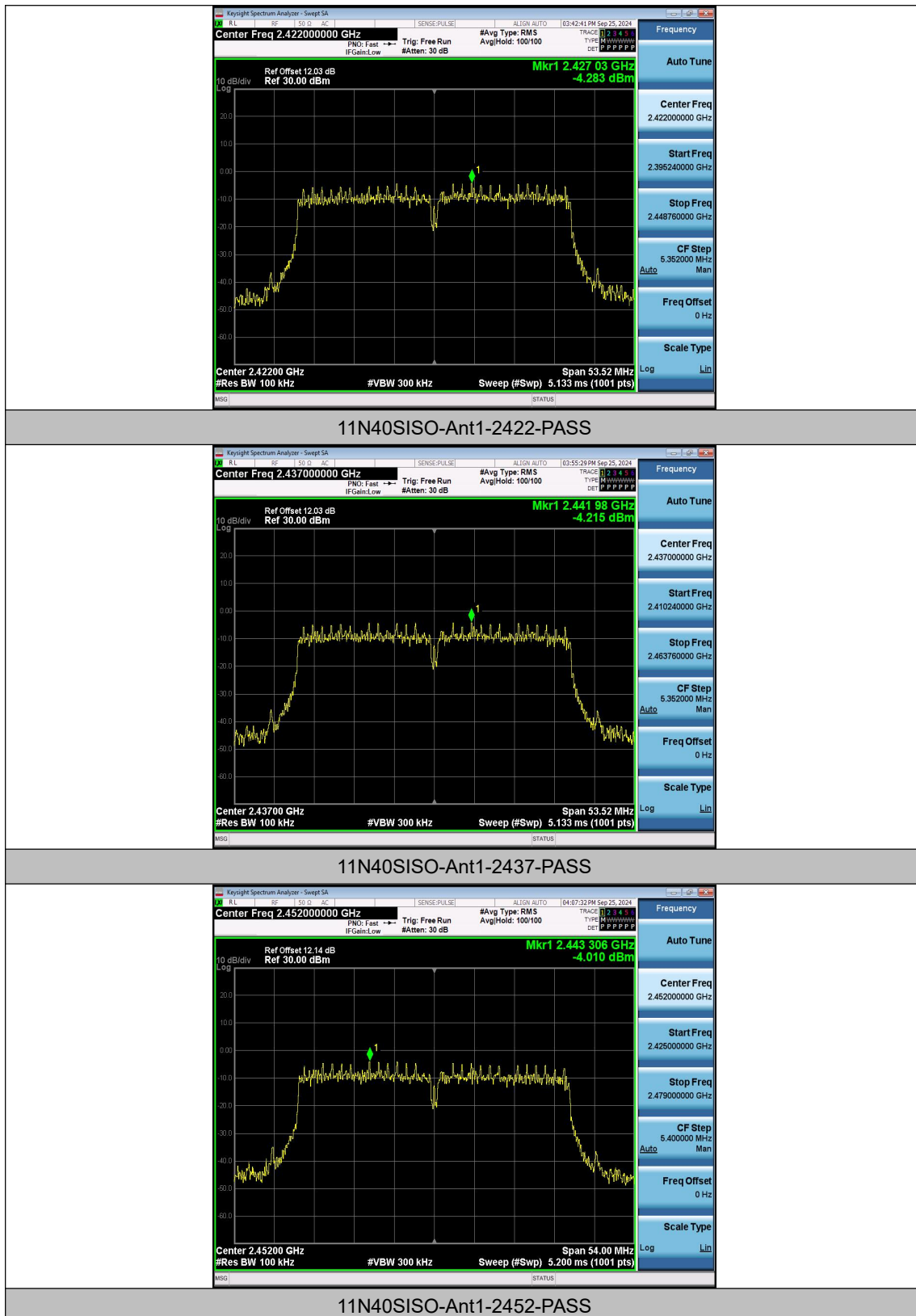
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2413.50	5.03
11B	Ant1	2437	2437.52	5.79
11B	Ant1	2462	2461.50	6.82
11G	Ant1	2412	2405.74	-2.78
11G	Ant1	2437	2438.30	-2.18
11G	Ant1	2462	2455.76	-2.33
11N20SISO	Ant1	2412	2413.26	-2.83
11N20SISO	Ant1	2437	2430.74	-2.58
11N20SISO	Ant1	2462	2463.26	-3.39
11N40SISO	Ant1	2422	2427.03	-4.28
11N40SISO	Ant1	2437	2441.98	-4.22
11N40SISO	Ant1	2452	2443.31	-4.01

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	5.03	-43.91	≤ -14.97	PASS
11B	Ant1	High	2462	6.82	-46.04	≤ -13.18	PASS
11G	Ant1	Low	2412	-2.78	-41.79	≤ -22.78	PASS
11G	Ant1	High	2462	-2.33	-46.74	≤ -22.33	PASS
11N20SISO	Ant1	Low	2412	-2.83	-40.29	≤ -22.83	PASS
11N20SISO	Ant1	High	2462	-3.39	-46.55	≤ -23.39	PASS
11N40SISO	Ant1	Low	2422	-4.28	-41.36	≤ -24.28	PASS
11N40SISO	Ant1	High	2452	-4.01	-43.27	≤ -24.01	PASS