

Appendix for WiFi 2.4GHz

Product Name: Network HD camera
Model No: HA-8407

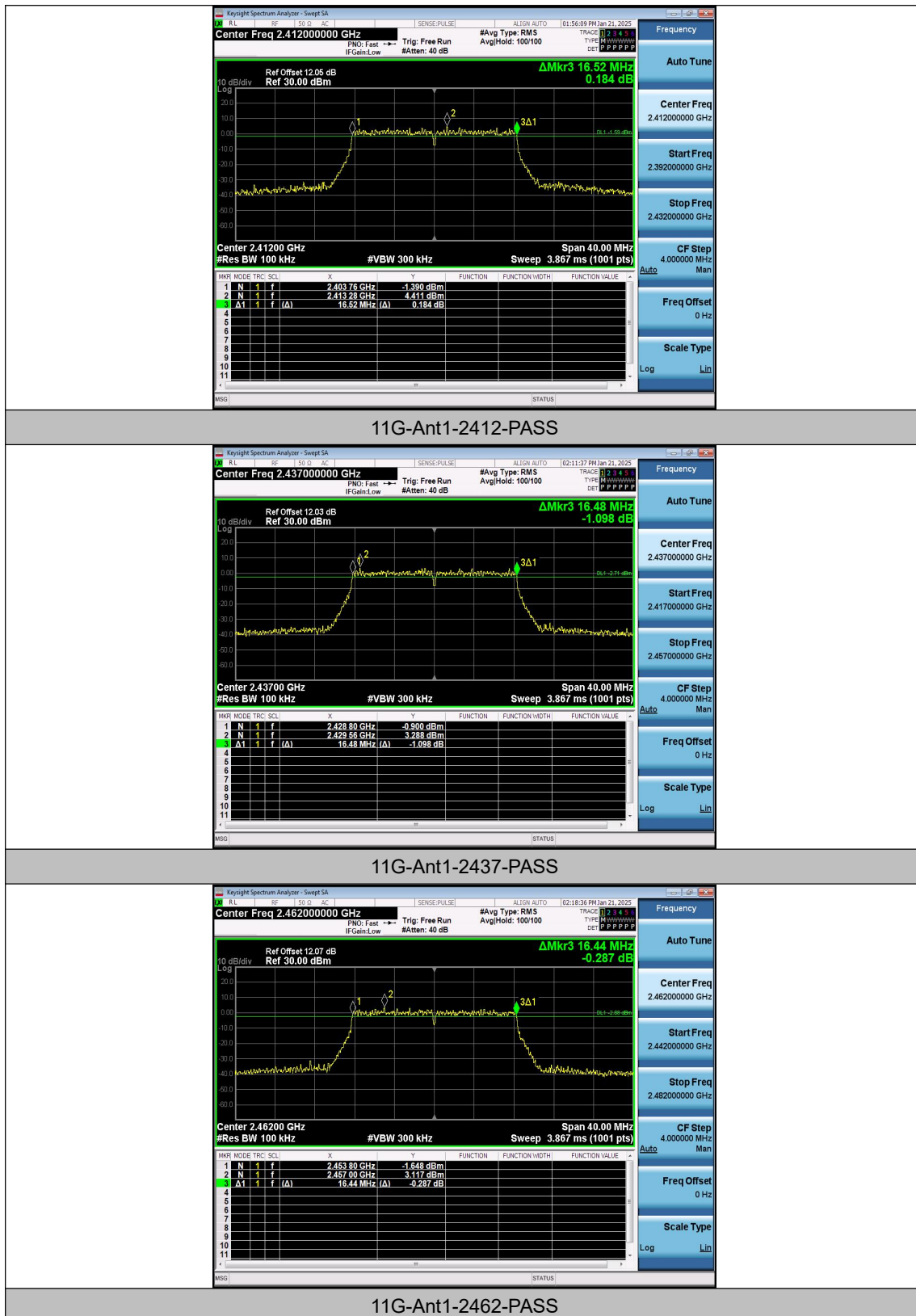
Appendix A: DTS Bandwidth

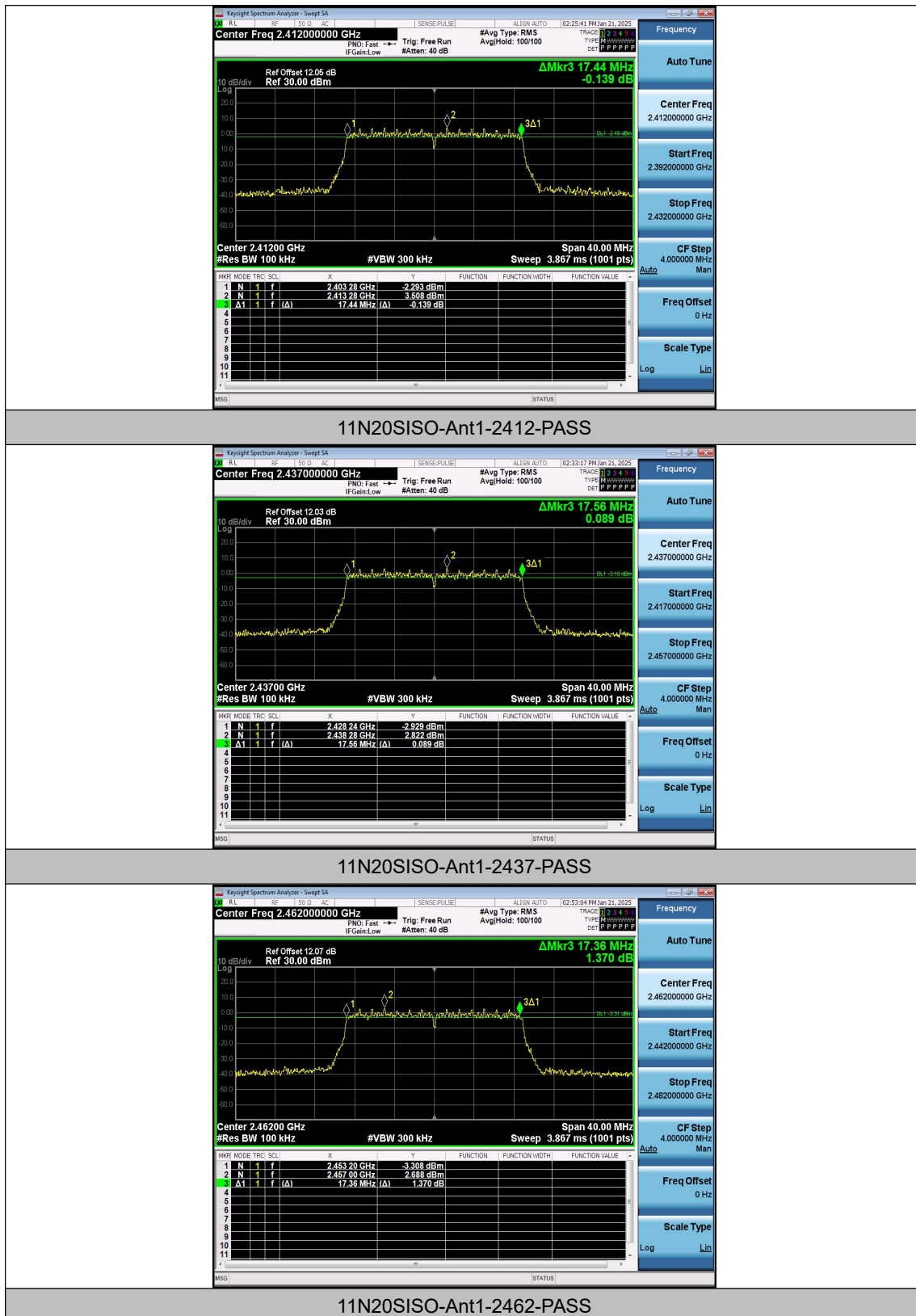
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.760	2407.120	2416.880	0.5	PASS
11B	Ant1	2437	9.720	2432.160	2441.880	0.5	PASS
11B	Ant1	2462	9.720	2457.160	2466.880	0.5	PASS
11G	Ant1	2412	16.520	2403.760	2420.280	0.5	PASS
11G	Ant1	2437	16.480	2428.800	2445.280	0.5	PASS
11G	Ant1	2462	16.440	2453.800	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.440	2403.280	2420.720	0.5	PASS
11N20SISO	Ant1	2437	17.560	2428.240	2445.800	0.5	PASS
11N20SISO	Ant1	2462	17.360	2453.200	2470.560	0.5	PASS

Test Graphs







Appendix B: Maximum conducted output power

Test Result Peak

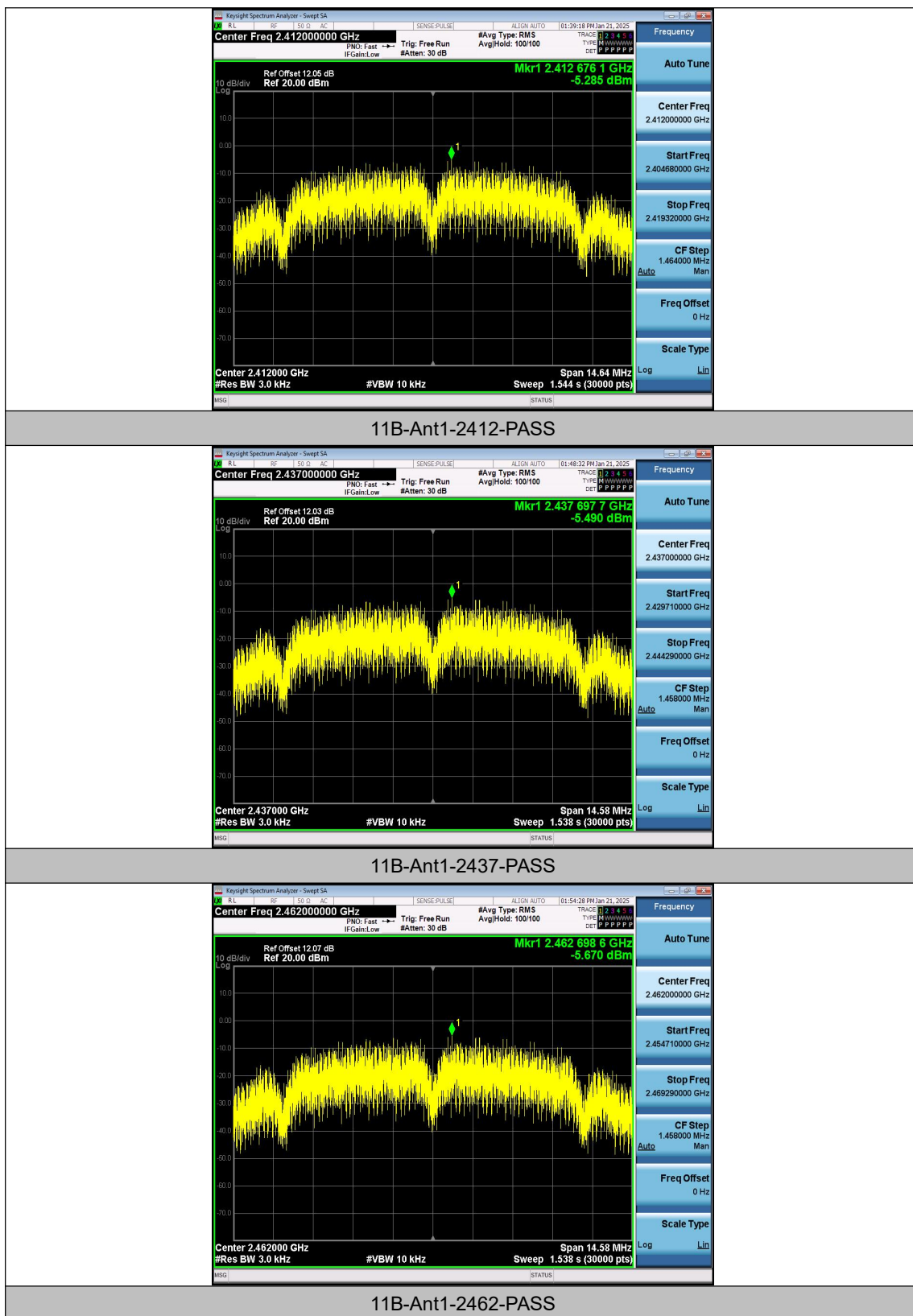
TestMode	Antenna	Frequency[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	NA	17.58	≤30.00	PASS
11B	Ant1	2437	NA	17.44	≤30.00	PASS
11B	Ant1	2462	NA	17.55	≤30.00	PASS
11G	Ant1	2412	NA	15.71	≤30.00	PASS
11G	Ant1	2437	NA	14.96	≤30.00	PASS
11G	Ant1	2462	NA	15.39	≤30.00	PASS
11N20SISO	Ant1	2412	NA	14.81	≤30.00	PASS
11N20SISO	Ant1	2437	NA	14.41	≤30.00	PASS
11N20SISO	Ant1	2462	NA	14.36	≤30.00	PASS

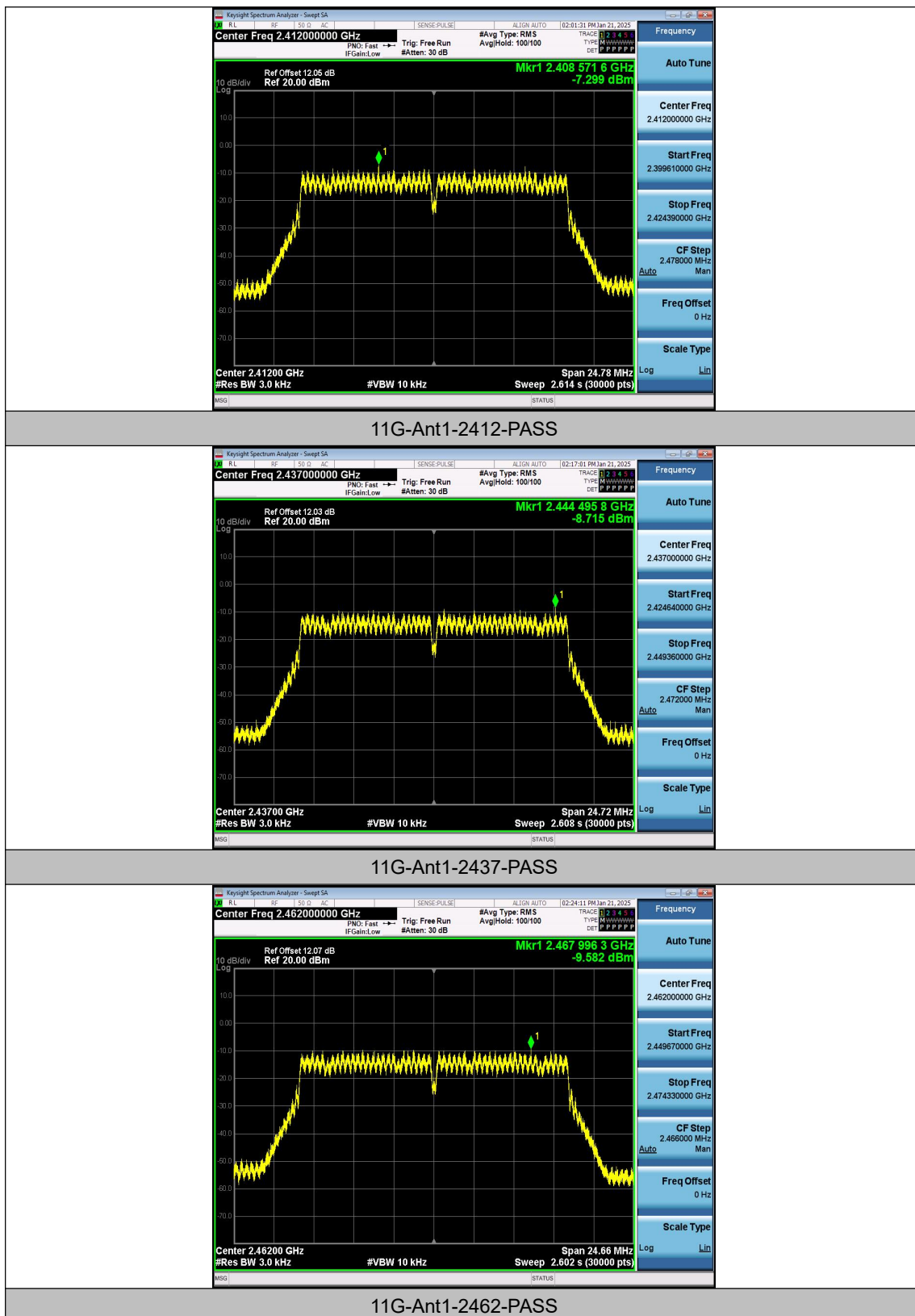
Appendix C: Maximum power spectral density

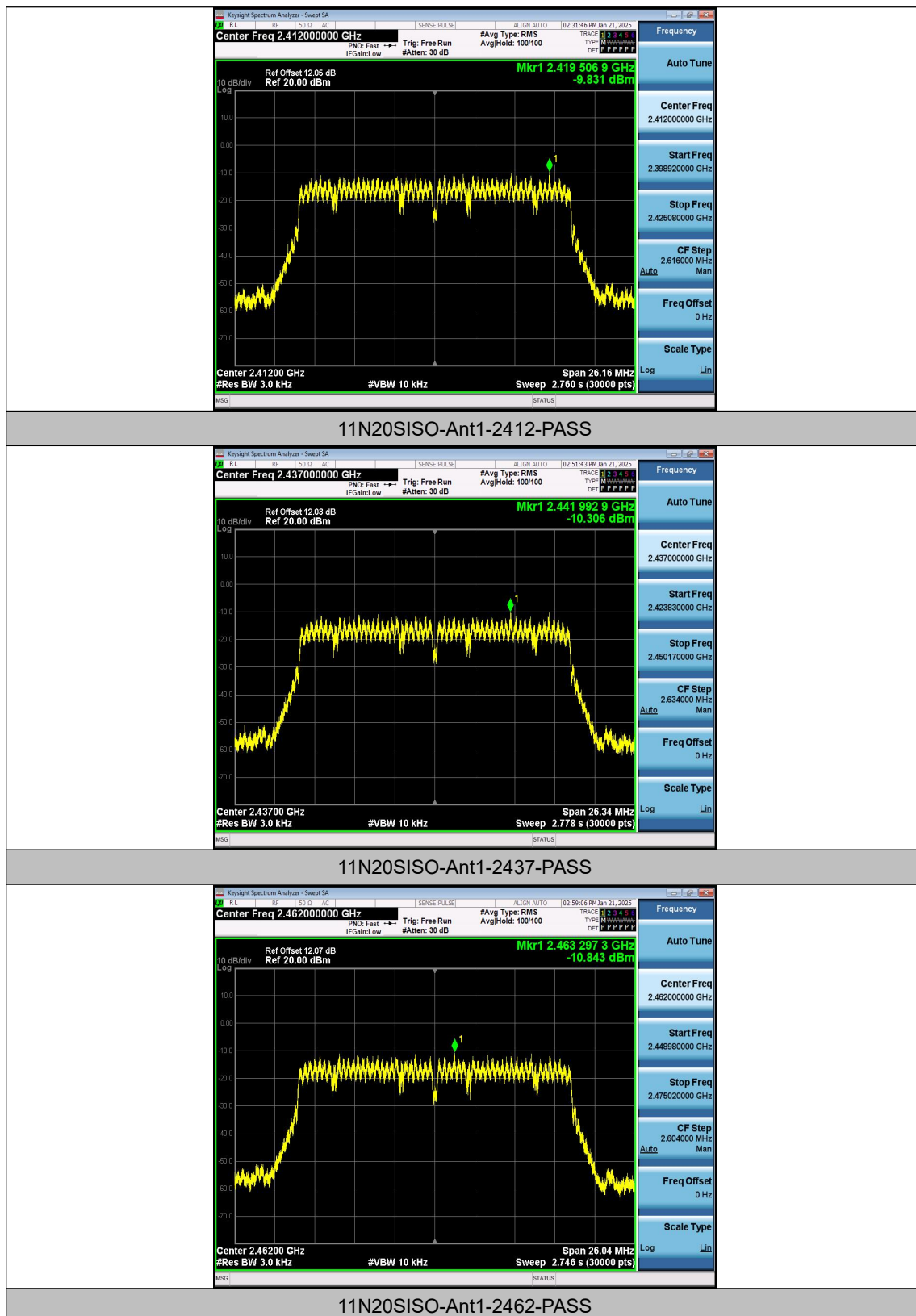
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.29	≤8.00	PASS
11B	Ant1	2437	-5.49	≤8.00	PASS
11B	Ant1	2462	-5.67	≤8.00	PASS
11G	Ant1	2412	-7.30	≤8.00	PASS
11G	Ant1	2437	-8.72	≤8.00	PASS
11G	Ant1	2462	-9.58	≤8.00	PASS
11N20SISO	Ant1	2412	-9.83	≤8.00	PASS
11N20SISO	Ant1	2437	-10.31	≤8.00	PASS
11N20SISO	Ant1	2462	-10.84	≤8.00	PASS

Test Graphs





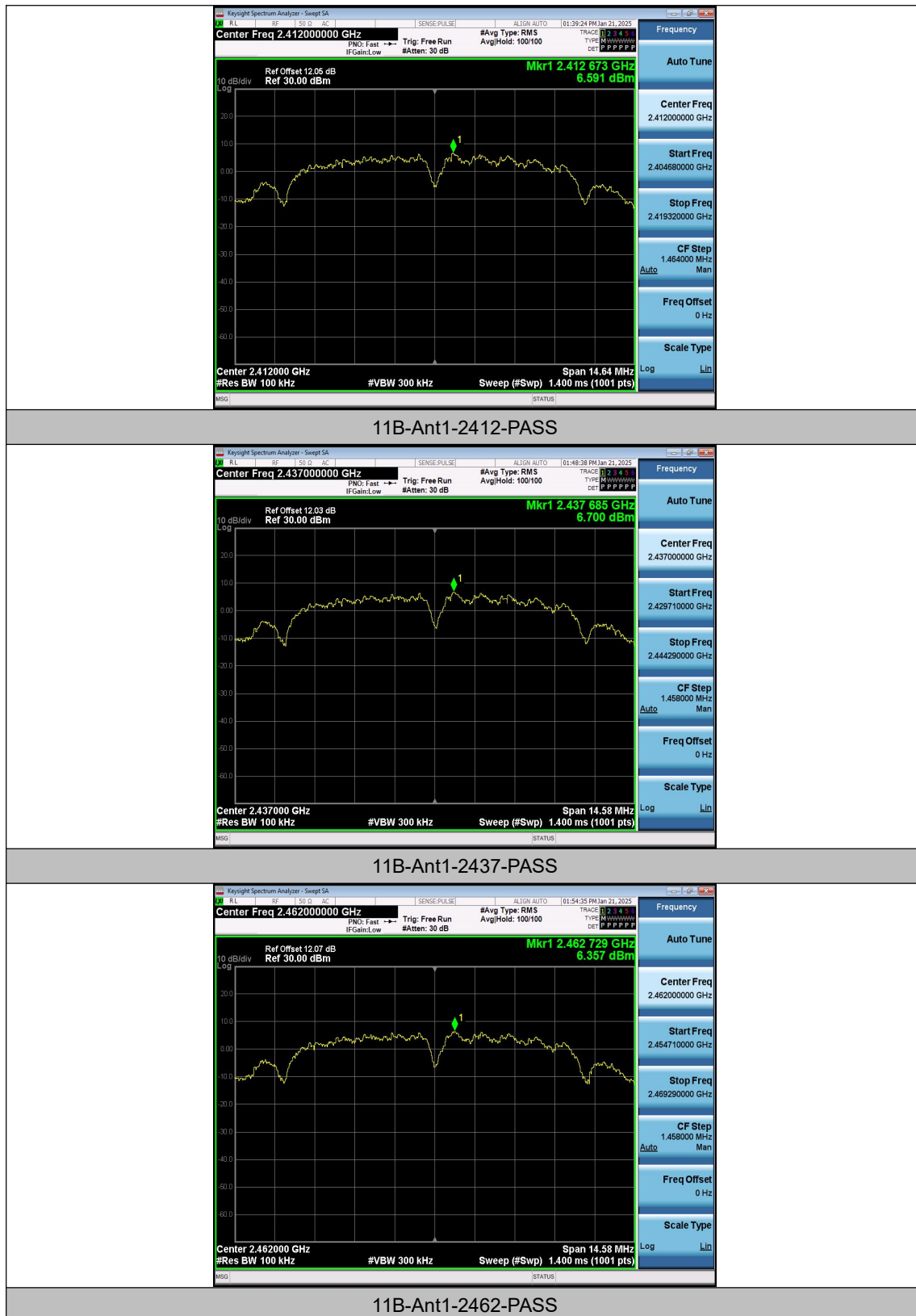


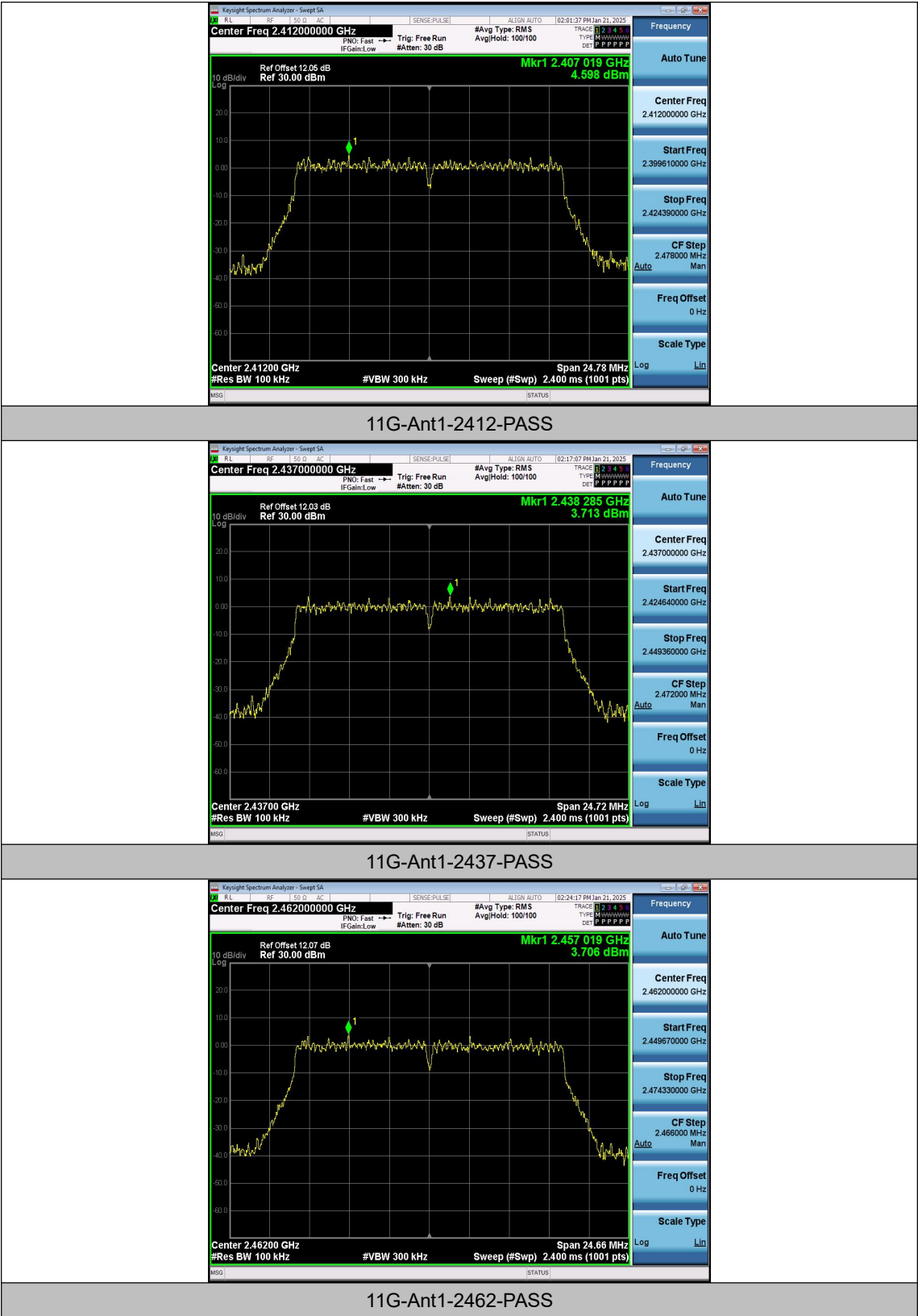
Appendix D: Reference level measurement

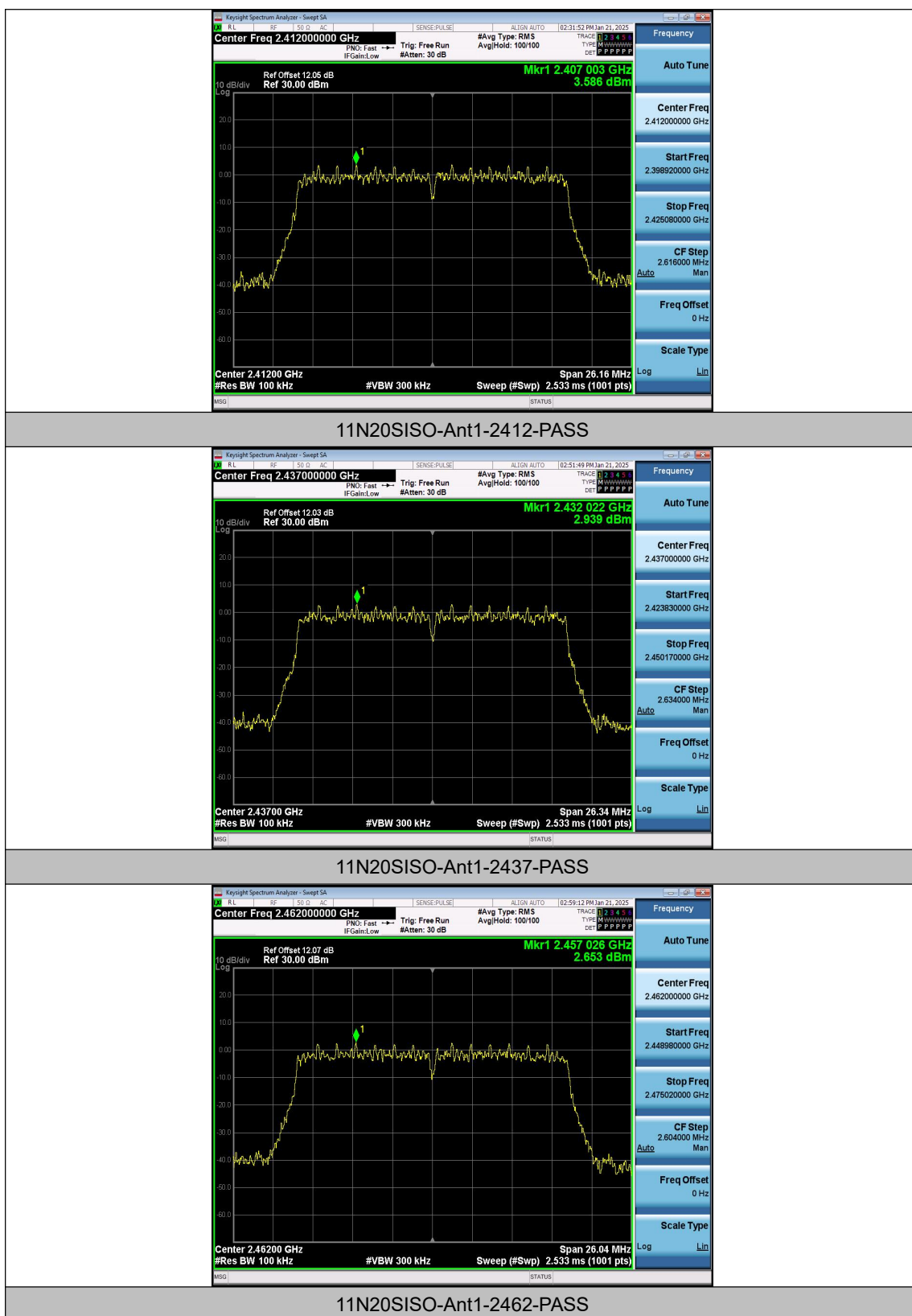
Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2412.67	6.59
11B	Ant1	2437	2437.69	6.70
11B	Ant1	2462	2462.73	6.36
11G	Ant1	2412	2407.02	4.60
11G	Ant1	2437	2438.29	3.71
11G	Ant1	2462	2457.02	3.71
11N20SISO	Ant1	2412	2407.00	3.59
11N20SISO	Ant1	2437	2432.02	2.94
11N20SISO	Ant1	2462	2457.03	2.65

Test Graphs







Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.59	-41.16	≤-13.41	PASS
11B	Ant1	High	2462	6.36	-46.45	≤-13.64	PASS
11G	Ant1	Low	2412	4.60	-33.15	≤-15.4	PASS
11G	Ant1	High	2462	3.71	-42.74	≤-16.29	PASS
11N20SISO	Ant1	Low	2412	3.59	-36.03	≤-16.41	PASS
11N20SISO	Ant1	High	2462	2.65	-45.36	≤-17.35	PASS

Test Graphs





Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	6.59	-58.92	≤-13.41	PASS
11B	Ant1	2412	1000~26500	6.59	-44.42	≤-13.41	PASS
11B	Ant1	2437	30~1000	6.70	-58.61	≤-13.3	PASS
11B	Ant1	2437	1000~26500	6.70	-44.03	≤-13.3	PASS
11B	Ant1	2462	30~1000	6.36	-58.78	≤-13.64	PASS
11B	Ant1	2462	1000~26500	6.36	-44.01	≤-13.64	PASS
11G	Ant1	2412	30~1000	4.60	-59.09	≤-15.4	PASS
11G	Ant1	2412	1000~26500	4.60	-44.25	≤-15.4	PASS
11G	Ant1	2437	30~1000	3.71	-58.21	≤-16.29	PASS
11G	Ant1	2437	1000~26500	3.71	-43.53	≤-16.29	PASS
11G	Ant1	2462	30~1000	3.71	-59.08	≤-16.29	PASS
11G	Ant1	2462	1000~26500	3.71	-44.3	≤-16.29	PASS
11N20SISO	Ant1	2412	30~1000	3.59	-56.76	≤-16.41	PASS
11N20SISO	Ant1	2412	1000~26500	3.59	-44.4	≤-16.41	PASS
11N20SISO	Ant1	2437	30~1000	2.94	-58.71	≤-17.06	PASS
11N20SISO	Ant1	2437	1000~26500	2.94	-44.19	≤-17.06	PASS
11N20SISO	Ant1	2462	30~1000	2.65	-58.44	≤-17.35	PASS
11N20SISO	Ant1	2462	1000~26500	2.65	-44.2	≤-17.35	PASS

Test Graphs

