

Appendix for WiFi 2.4GHz

Product Name: Door Entry Panel
Model No: AV-06M

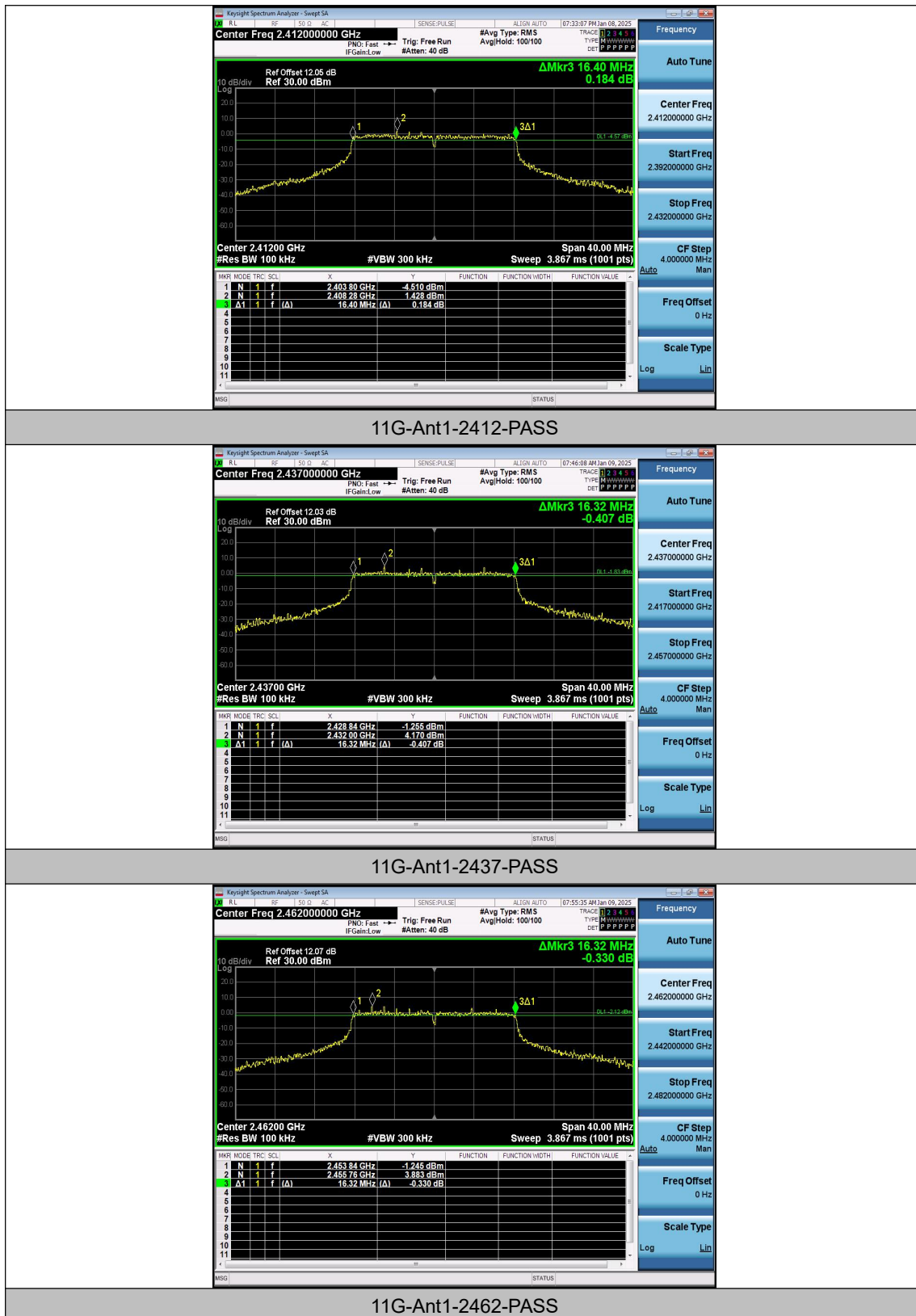
Appendix A: DTS Bandwidth

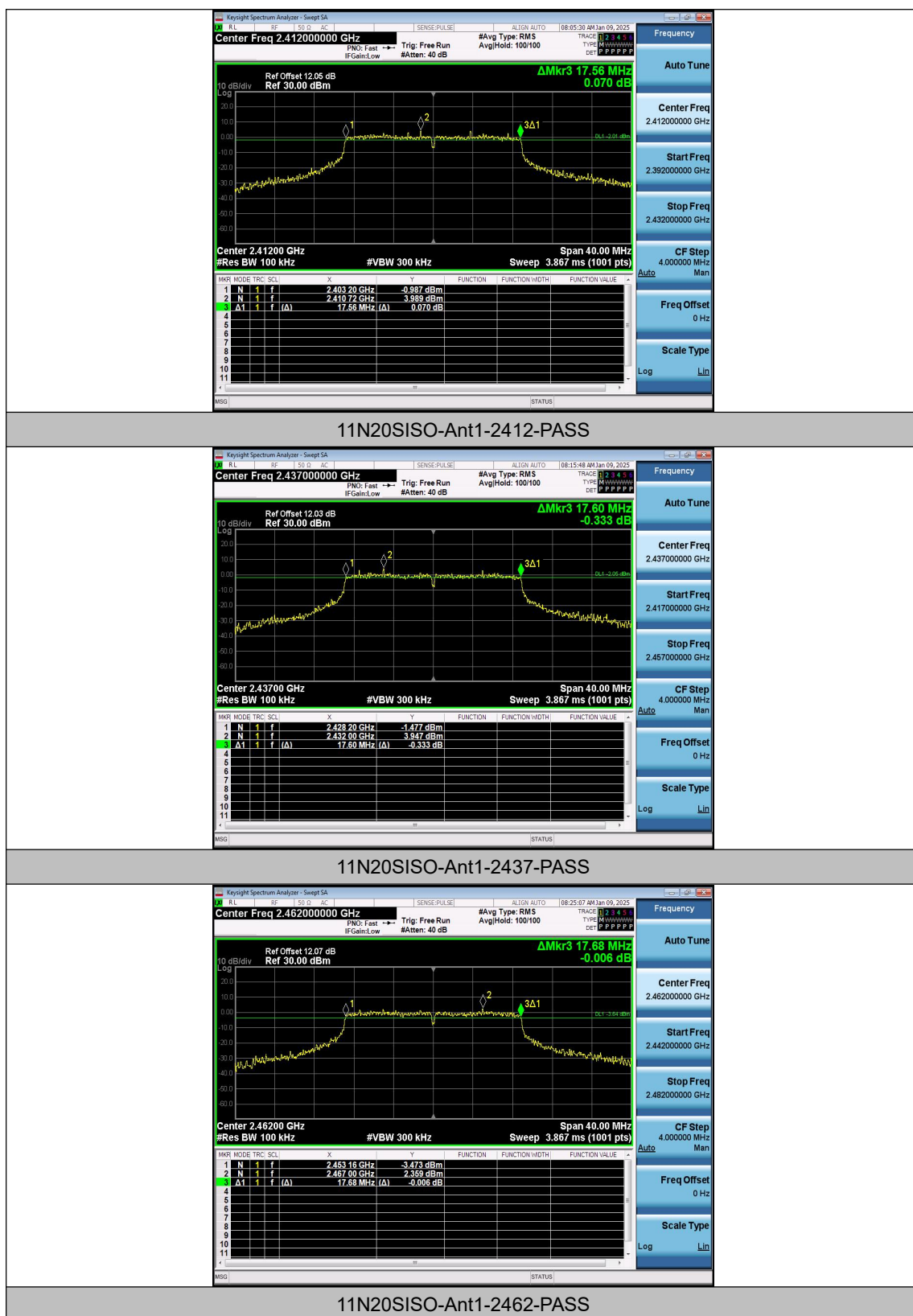
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2407.960	2416.000	0.5	PASS
11B	Ant1	2437	8.040	2433.000	2441.040	0.5	PASS
11B	Ant1	2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant1	2412	16.400	2403.800	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	2403.200	2420.760	0.5	PASS
11N20SISO	Ant1	2437	17.600	2428.200	2445.800	0.5	PASS
11N20SISO	Ant1	2462	17.680	2453.160	2470.840	0.5	PASS

Test Graphs







Appendix B: Maximum conducted output power

Test Result Peak

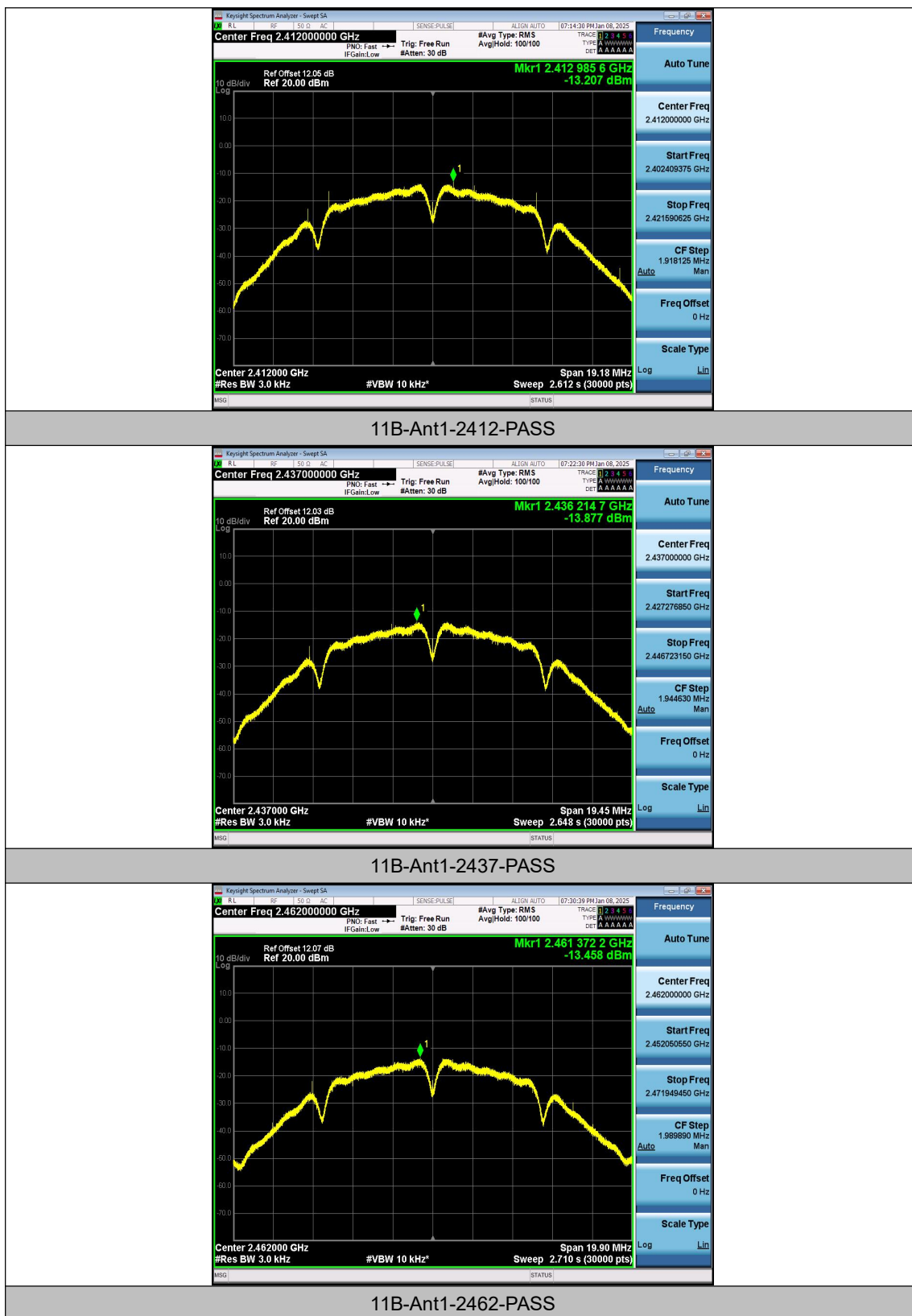
TestMode	Antenna	Frequency[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	NA	17.02	≤30.00	PASS
11B	Ant1	2437	NA	15.91	≤30.00	PASS
11B	Ant1	2462	NA	16.38	≤30.00	PASS
11G	Ant1	2412	NA	16.16	≤30.00	PASS
11G	Ant1	2437	NA	15.79	≤30.00	PASS
11G	Ant1	2462	NA	15.72	≤30.00	PASS
11N20SI SO	Ant1	2412	NA	16.06	≤30.00	PASS
11N20SI SO	Ant1	2437	NA	15.58	≤30.00	PASS
11N20SI SO	Ant1	2462	NA	15.78	≤30.00	PASS

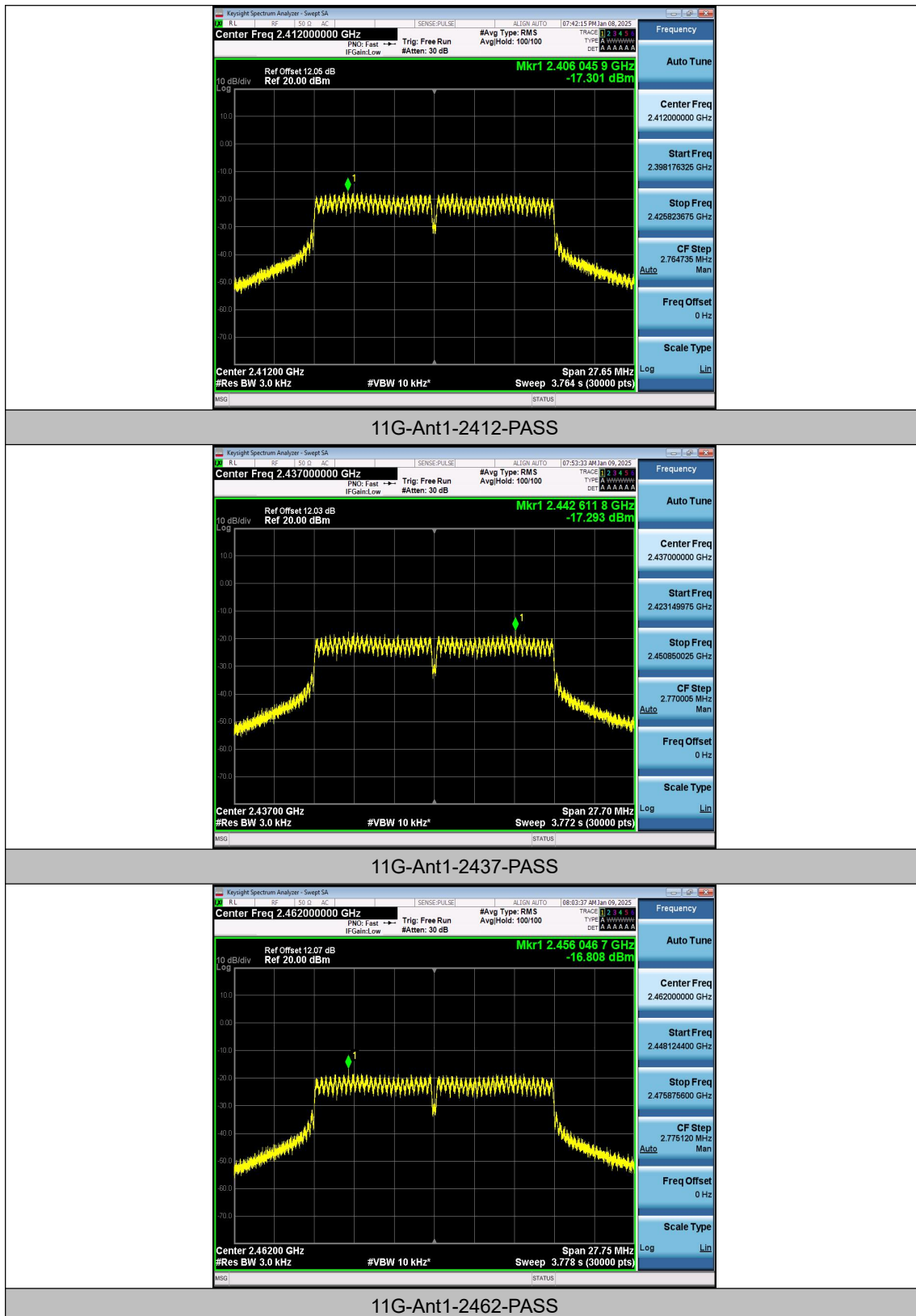
Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.19	≤8.00	PASS
11B	Ant1	2437	-13.85	≤8.00	PASS
11B	Ant1	2462	-13.42	≤8.00	PASS
11G	Ant1	2412	-16.97	≤8.00	PASS
11G	Ant1	2437	-17.04	≤8.00	PASS
11G	Ant1	2462	-16.66	≤8.00	PASS
11N20SISO	Ant1	2412	-16.85	≤8.00	PASS
11N20SISO	Ant1	2437	-18.08	≤8.00	PASS
11N20SISO	Ant1	2462	-17.88	≤8.00	PASS

Test Graphs





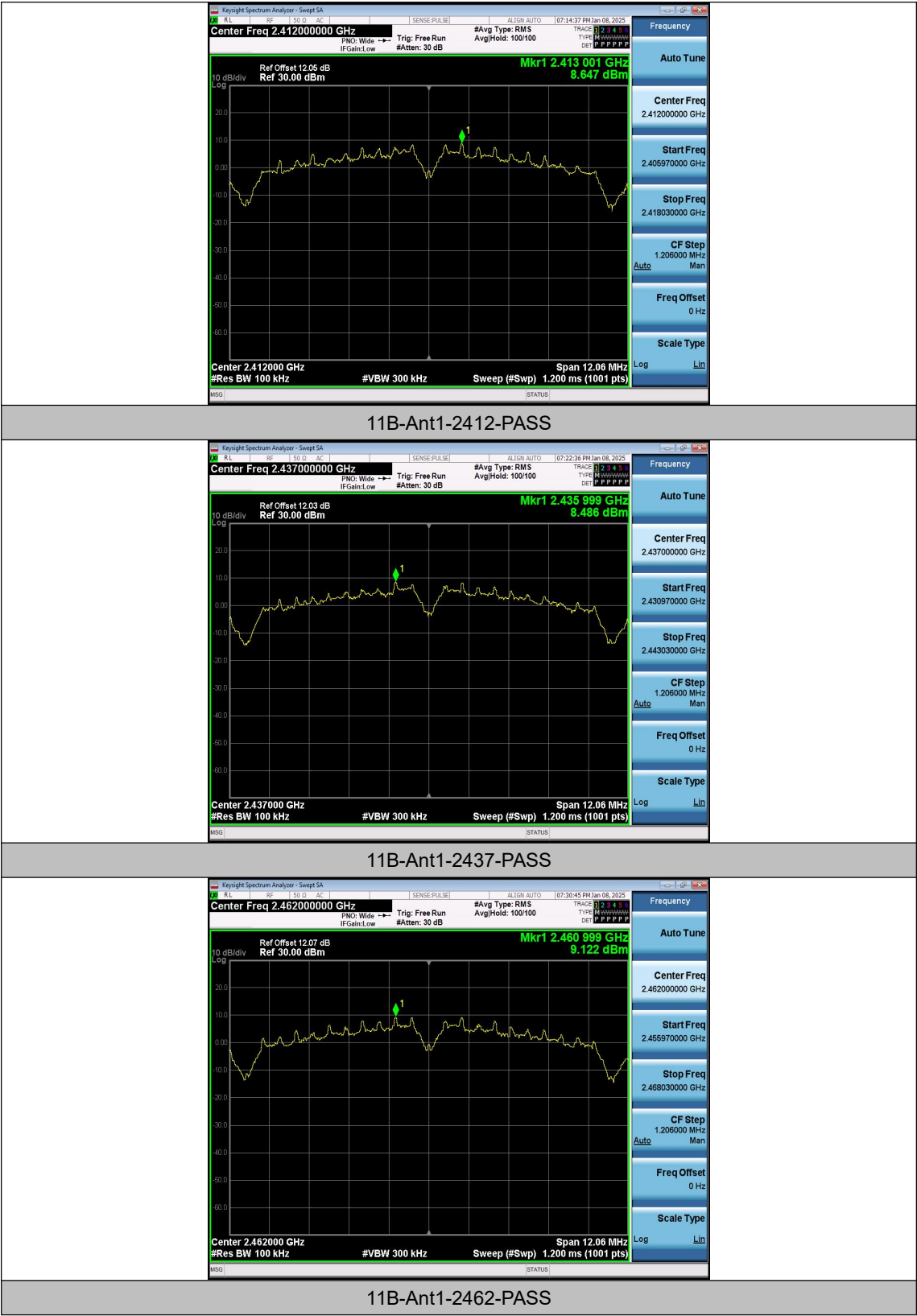


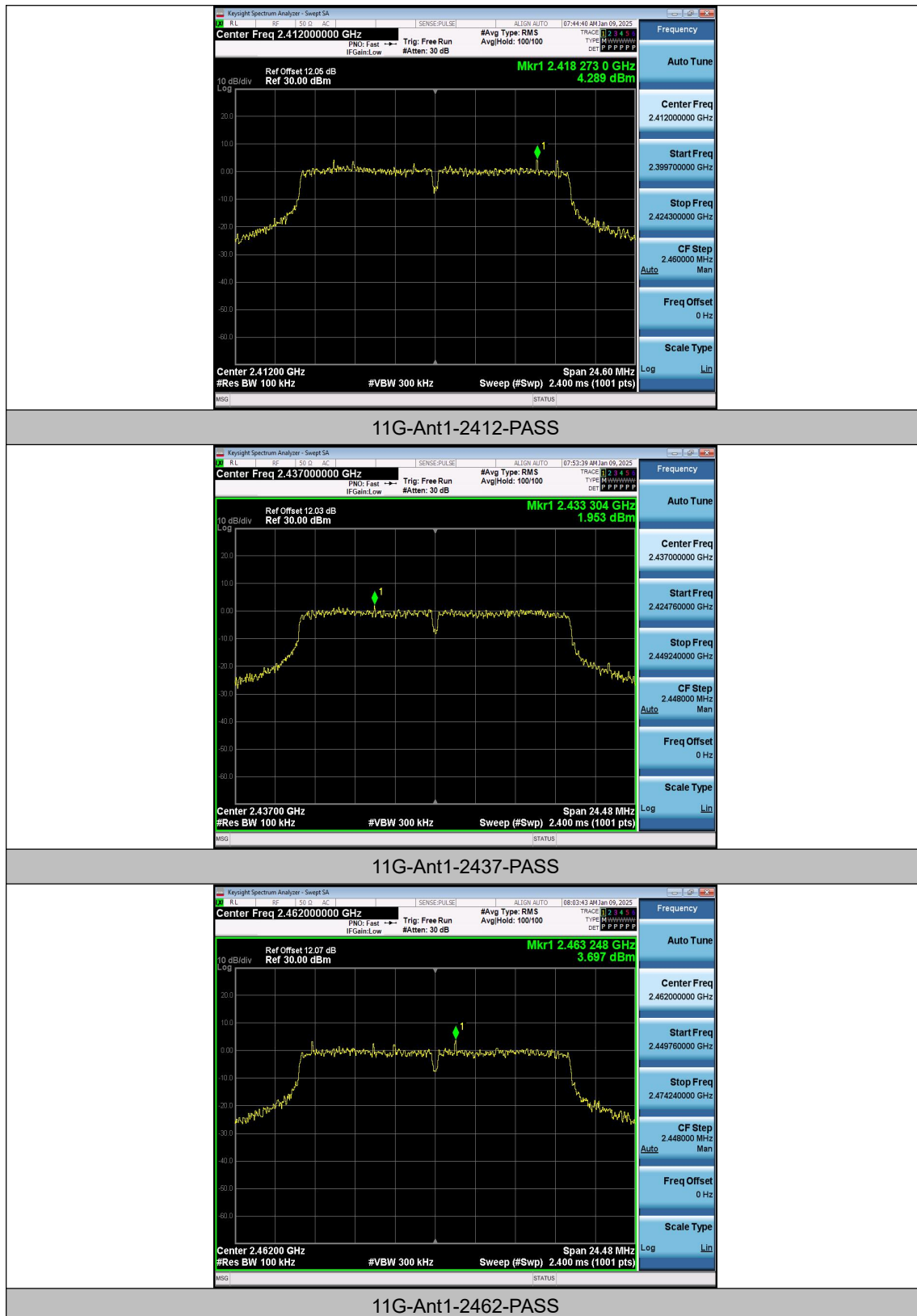
Appendix D: Reference level measurement

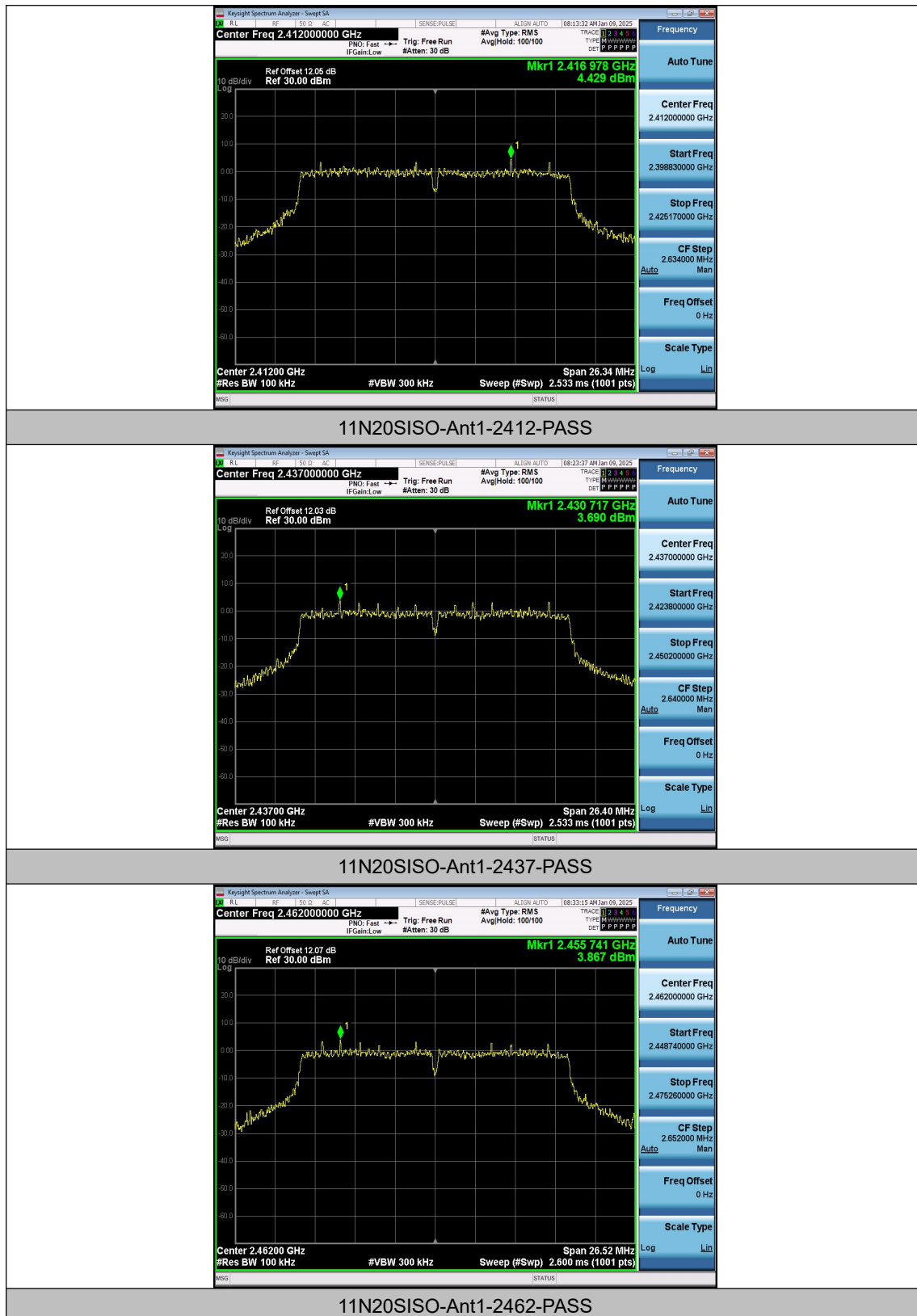
Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2413.00	8.65
11B	Ant1	2437	2436.00	8.49
11B	Ant1	2462	2461.00	9.12
11G	Ant1	2412	2418.27	4.29
11G	Ant1	2437	2433.30	1.95
11G	Ant1	2462	2463.25	3.70
11N20SISO	Ant1	2412	2416.98	4.43
11N20SISO	Ant1	2437	2430.72	3.69
11N20SISO	Ant1	2462	2455.74	3.87

Test Graphs





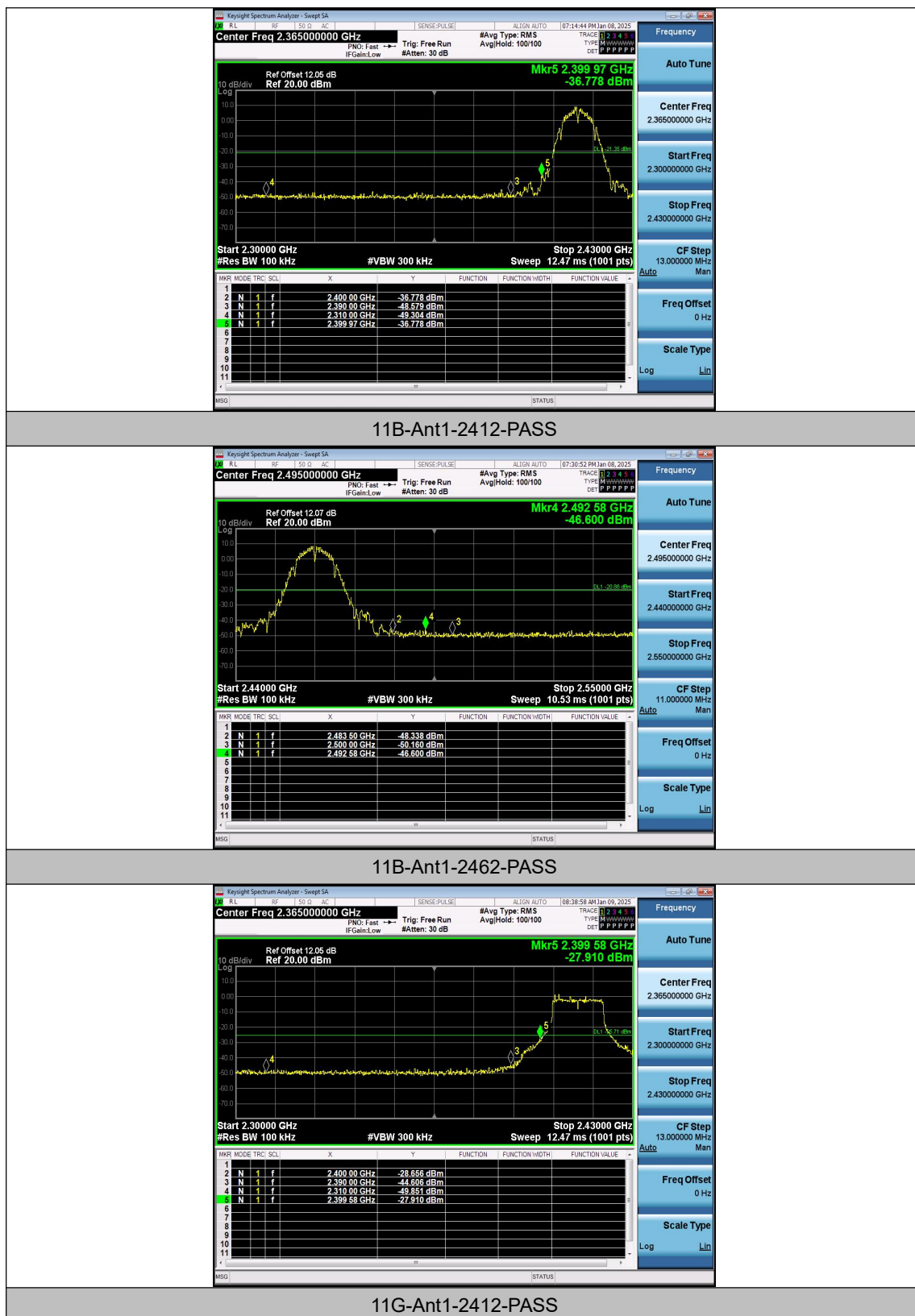


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.65	-36.78	≤-21.35	PASS
11B	Ant1	High	2462	9.12	-46.6	≤-20.88	PASS
11G	Ant1	Low	2412	4.29	-27.91	≤-25.71	PASS
11G	Ant1	High	2462	3.70	-34.99	≤-26.3	PASS
11N20SISO	Ant1	Low	2412	4.43	-26.81	≤-25.57	PASS
11N20SISO	Ant1	High	2462	3.87	-33.18	≤-26.13	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	8.65	-59.16	≤-21.35	PASS
11B	Ant1	2412	1000~26500	8.65	-44.25	≤-21.35	PASS
11B	Ant1	2437	30~1000	8.49	-59.55	≤-21.51	PASS
11B	Ant1	2437	1000~26500	8.49	-43.63	≤-21.51	PASS
11B	Ant1	2462	30~1000	9.12	-58.74	≤-20.88	PASS
11B	Ant1	2462	1000~26500	9.12	-43.99	≤-20.88	PASS
11G	Ant1	2412	30~1000	4.29	-59.46	≤-25.71	PASS
11G	Ant1	2412	1000~26500	4.29	-45.23	≤-25.71	PASS
11G	Ant1	2437	30~1000	1.95	-59	≤-28.05	PASS
11G	Ant1	2437	1000~26500	1.95	-45.4	≤-28.05	PASS
11G	Ant1	2462	30~1000	3.70	-59.15	≤-26.3	PASS
11G	Ant1	2462	1000~26500	3.70	-44.56	≤-26.3	PASS
11N20SISO	Ant1	2412	30~1000	4.43	-58.36	≤-25.57	PASS
11N20SISO	Ant1	2412	1000~26500	4.43	-44.42	≤-25.57	PASS
11N20SISO	Ant1	2437	30~1000	3.69	-58.62	≤-26.31	PASS
11N20SISO	Ant1	2437	1000~26500	3.69	-45.01	≤-26.31	PASS
11N20SISO	Ant1	2462	30~1000	3.87	-57.58	≤-26.13	PASS
11N20SISO	Ant1	2462	1000~26500	3.87	-44.67	≤-26.13	PASS

Test Graphs

