

Appendix for WIFI 2.4GHz

Product Name: Govee RGBWW Smart LED Bulb
Model No: H6008

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.480	2416.560	0.5	PASS
11B	Ant1	2437	9.040	2432.480	2441.520	0.5	PASS
11B	Ant1	2462	9.040	2457.520	2466.560	0.5	PASS
11G	Ant1	2412	16.520	2403.760	2420.280	0.5	PASS
11G	Ant1	2437	16.520	2428.760	2445.280	0.5	PASS
11G	Ant1	2462	16.520	2453.760	2470.280	0.5	PASS
11N20SISO	Ant1	2412	17.760	2403.120	2420.880	0.5	PASS
11N20SISO	Ant1	2437	17.760	2428.120	2445.880	0.5	PASS
11N20SISO	Ant1	2462	17.760	2453.160	2470.920	0.5	PASS

Test Graphs







Appendix B: Maximum conducted output power

Test Result

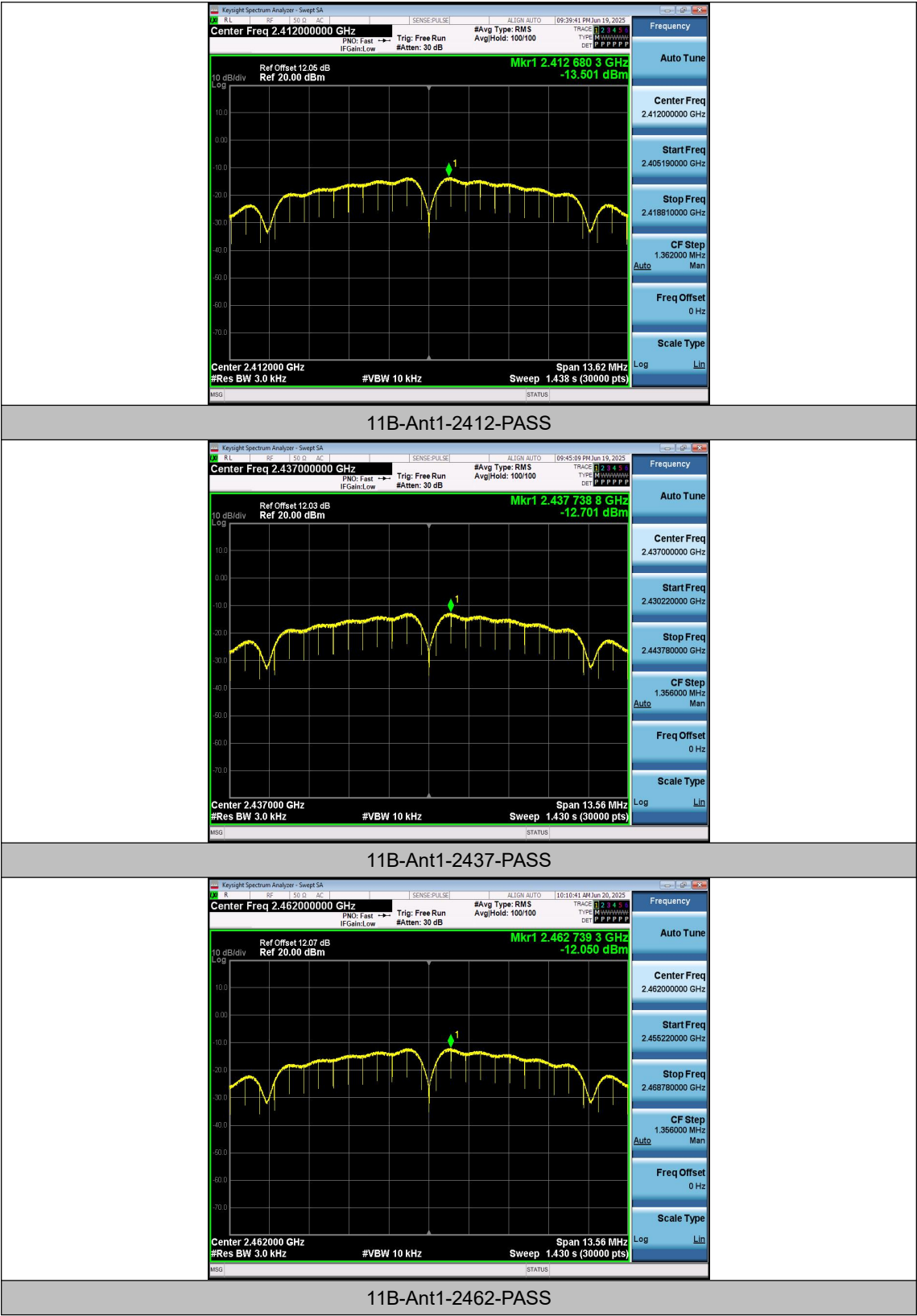
TestMode	Antenna	Frequency [MHz]	Peak Power [dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	16.43	≤30.00	PASS
11B	Ant1	2437	17.43	≤30.00	PASS
11B	Ant1	2462	18.19	≤30.00	PASS
11G	Ant1	2412	14.13	≤30.00	PASS
11G	Ant1	2437	14.10	≤30.00	PASS
11G	Ant1	2462	14.26	≤30.00	PASS
11N20SISO	Ant1	2412	13.73	≤30.00	PASS
11N20SISO	Ant1	2437	14.00	≤30.00	PASS
11N20SISO	Ant1	2462	14.18	≤30.00	PASS

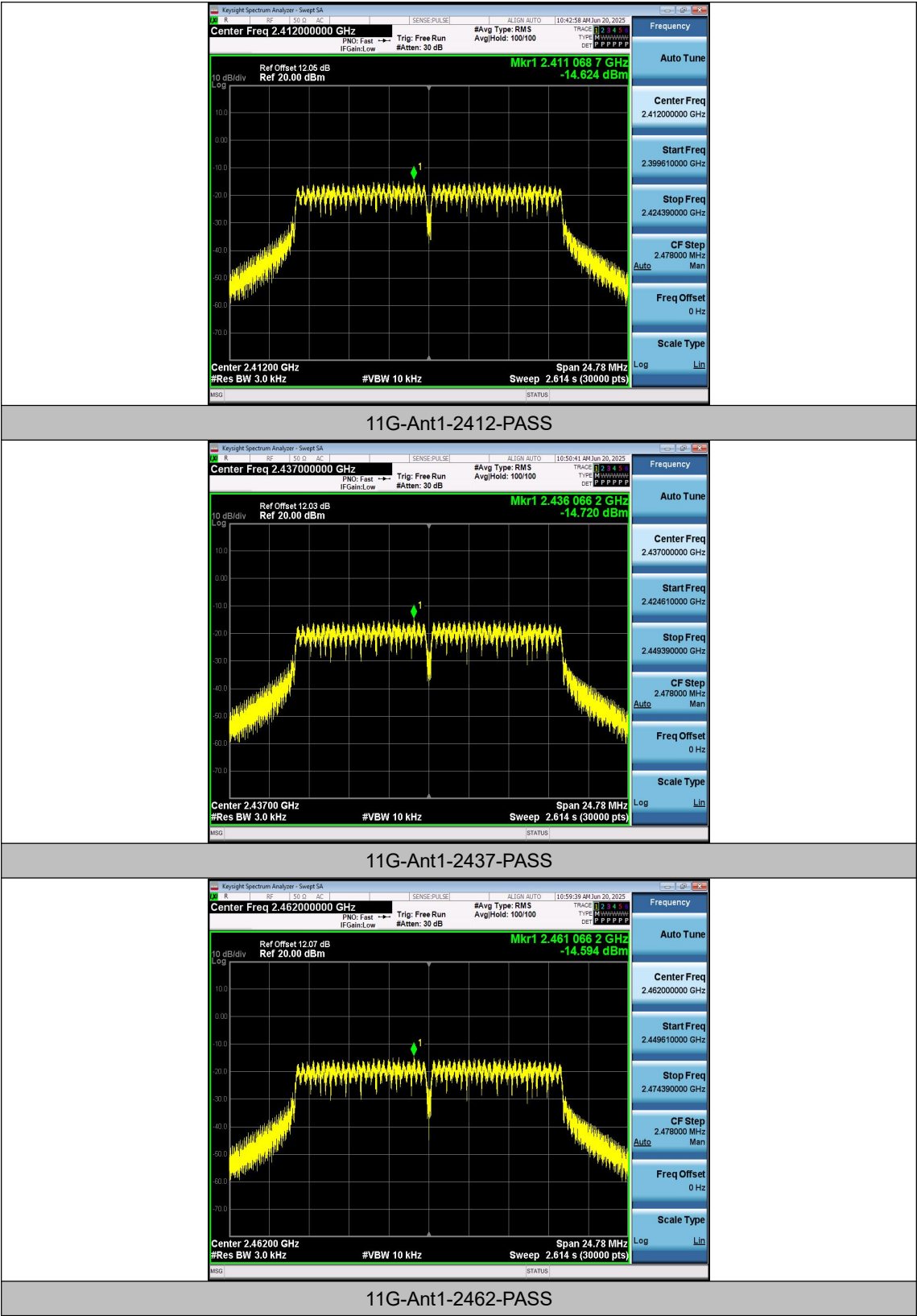
Appendix C: Maximum power spectral density

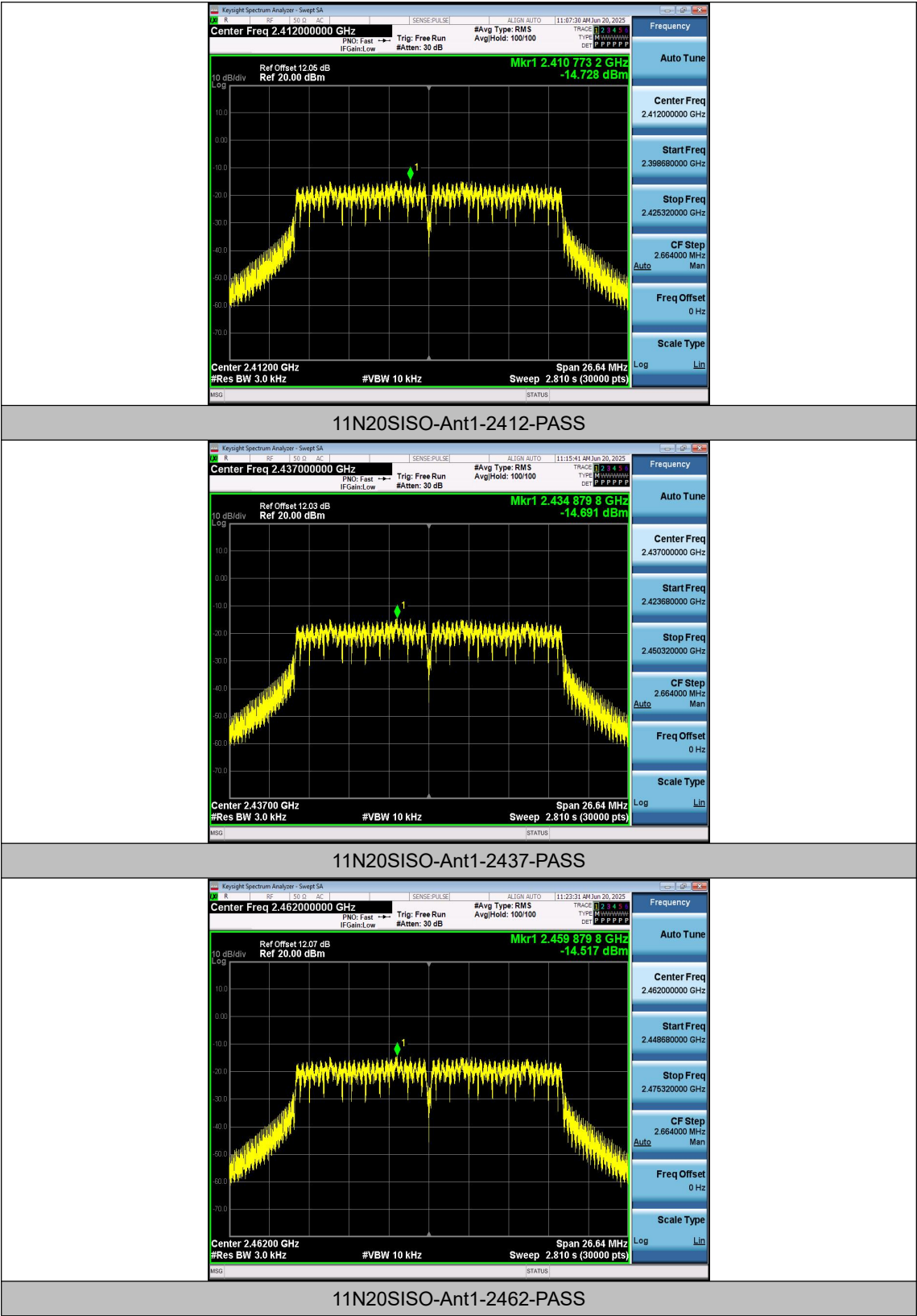
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.50	≤8.00	PASS
11B	Ant1	2437	-12.70	≤8.00	PASS
11B	Ant1	2462	-12.05	≤8.00	PASS
11G	Ant1	2412	-14.62	≤8.00	PASS
11G	Ant1	2437	-14.72	≤8.00	PASS
11G	Ant1	2462	-14.59	≤8.00	PASS
11N20SISO	Ant1	2412	-14.73	≤8.00	PASS
11N20SISO	Ant1	2437	-14.69	≤8.00	PASS
11N20SISO	Ant1	2462	-14.52	≤8.00	PASS

Test Graphs





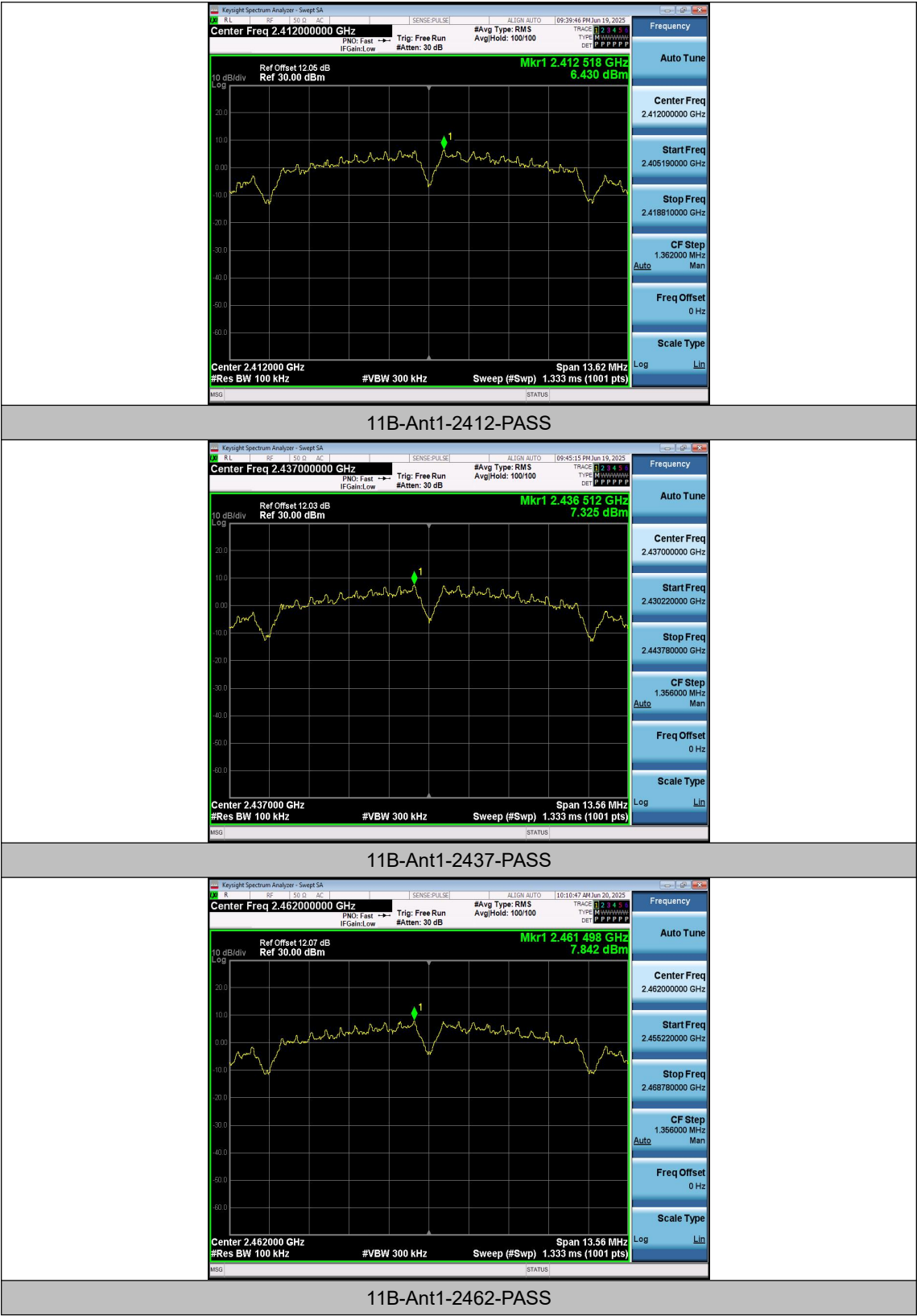


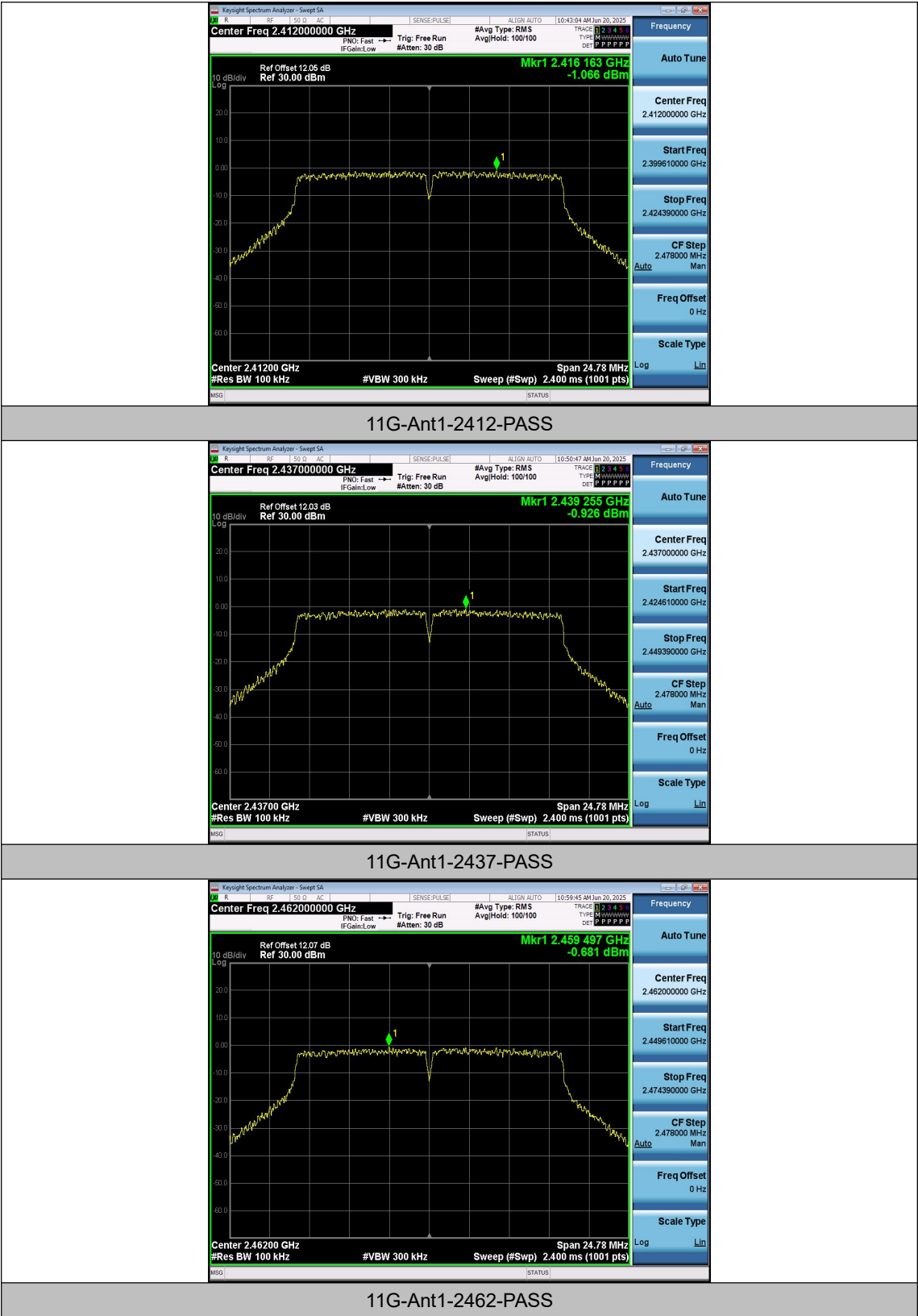
Appendix D: Reference level measurement

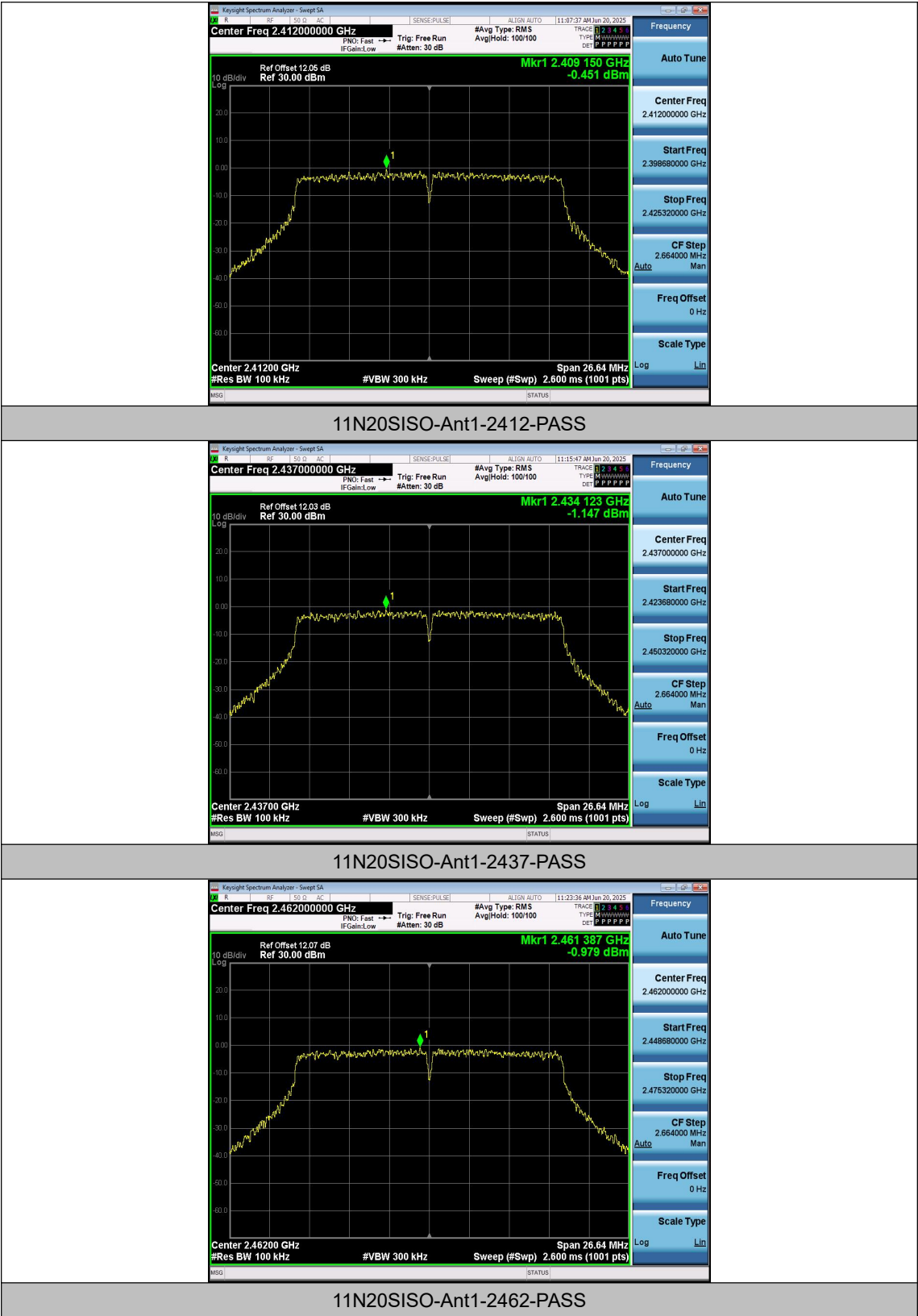
Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2412.52	6.43
11B	Ant1	2437	2436.51	7.33
11B	Ant1	2462	2461.50	7.84
11G	Ant1	2412	2416.16	-1.07
11G	Ant1	2437	2439.25	-0.93
11G	Ant1	2462	2459.50	-0.68
11N20SISO	Ant1	2412	2409.15	-0.45
11N20SISO	Ant1	2437	2434.12	-1.15
11N20SISO	Ant1	2462	2461.39	-0.98

Test Graphs





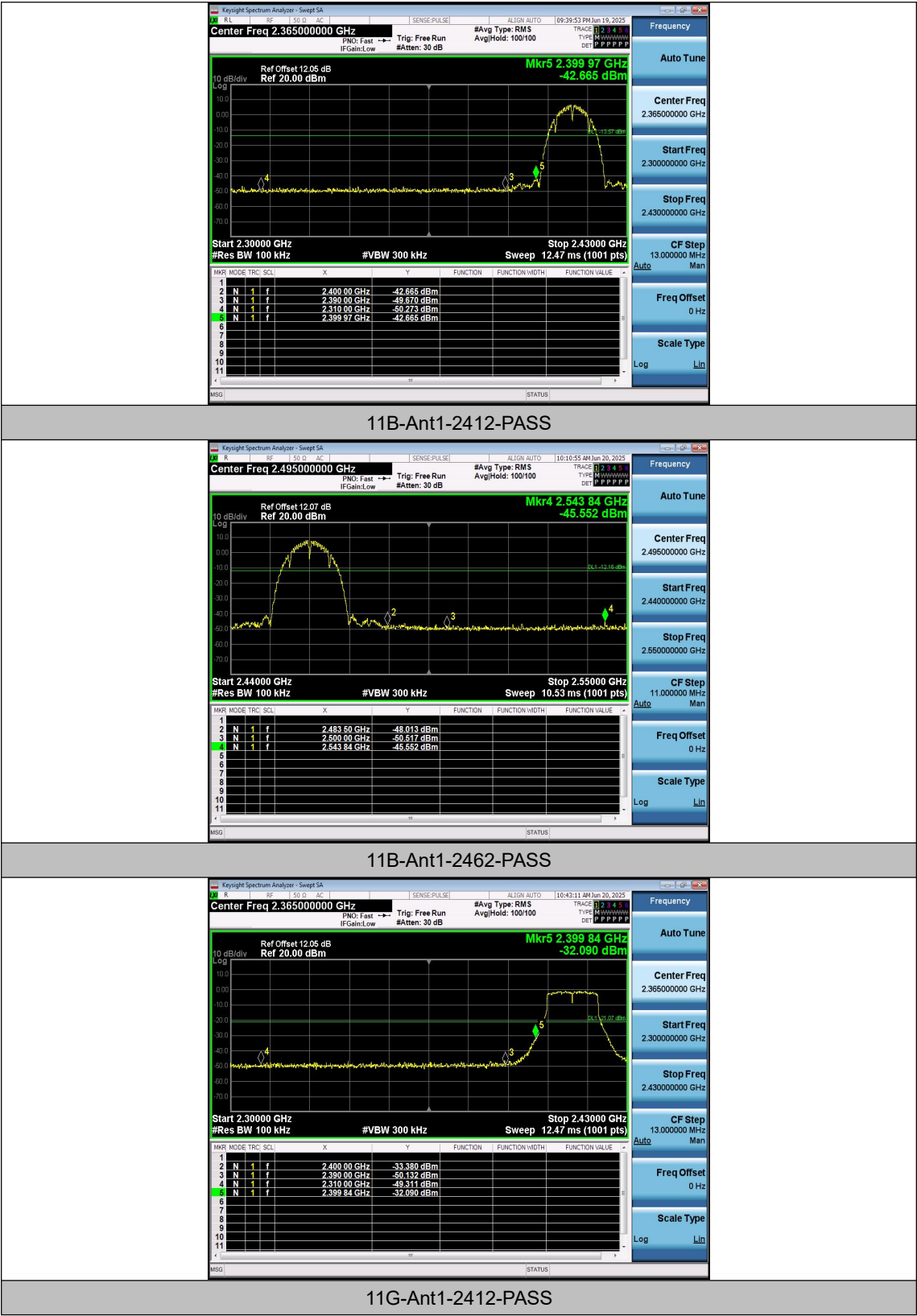


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.43	-42.67	≤-13.57	PASS
11B	Ant1	High	2462	7.84	-45.55	≤-12.16	PASS
11G	Ant1	Low	2412	-1.07	-32.09	≤-21.07	PASS
11G	Ant1	High	2462	-0.68	-46.19	≤-20.68	PASS
11N20SISO	Ant1	Low	2412	-0.45	-32.39	≤-20.45	PASS
11N20SISO	Ant1	High	2462	-0.98	-45.86	≤-20.98	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	6.43	-59.23	≤-13.57	PASS
11B	Ant1	2412	1000~26500	6.43	-44.16	≤-13.57	PASS
11B	Ant1	2437	30~1000	7.33	-59.07	≤-12.67	PASS
11B	Ant1	2437	1000~26500	7.33	-43.88	≤-12.67	PASS
11B	Ant1	2462	30~1000	7.84	-58.34	≤-12.16	PASS
11B	Ant1	2462	1000~26500	7.84	-43.98	≤-12.16	PASS
11G	Ant1	2412	30~1000	-1.07	-58.91	≤-21.07	PASS
11G	Ant1	2412	1000~26500	-1.07	-43.67	≤-21.07	PASS
11G	Ant1	2437	30~1000	-0.93	-59.32	≤-20.93	PASS
11G	Ant1	2437	1000~26500	-0.93	-44.38	≤-20.93	PASS
11G	Ant1	2462	30~1000	-0.68	-58.9	≤-20.68	PASS
11G	Ant1	2462	1000~26500	-0.68	-43.94	≤-20.68	PASS
11N20SISO	Ant1	2412	30~1000	-0.45	-58.73	≤-20.45	PASS
11N20SISO	Ant1	2412	1000~26500	-0.45	-44.61	≤-20.45	PASS
11N20SISO	Ant1	2437	30~1000	-1.15	-58.96	≤-21.15	PASS
11N20SISO	Ant1	2437	1000~26500	-1.15	-44.41	≤-21.15	PASS
11N20SISO	Ant1	2462	30~1000	-0.98	-59.02	≤-20.98	PASS
11N20SISO	Ant1	2462	1000~26500	-0.98	-44.38	≤-20.98	PASS

Test Graphs

