

Appendix for Bluetooth BLE mode

Product Type: Portable Air Conditioner

Product Name: EcoFlow WAVE 3

Model No: EF-WA-H01-3

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.660	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.688	2439.652	2440.340	0.5	PASS
BLE_1M	Ant1	2480	0.684	2479.660	2480.344	0.5	PASS
BLE_2M	Ant1	2402	1.140	2401.424	2402.564	0.5	PASS
BLE_2M	Ant1	2440	1.128	2439.440	2440.568	0.5	PASS
BLE_2M	Ant1	2480	1.096	2479.460	2480.556	0.5	PASS

Test Graphs



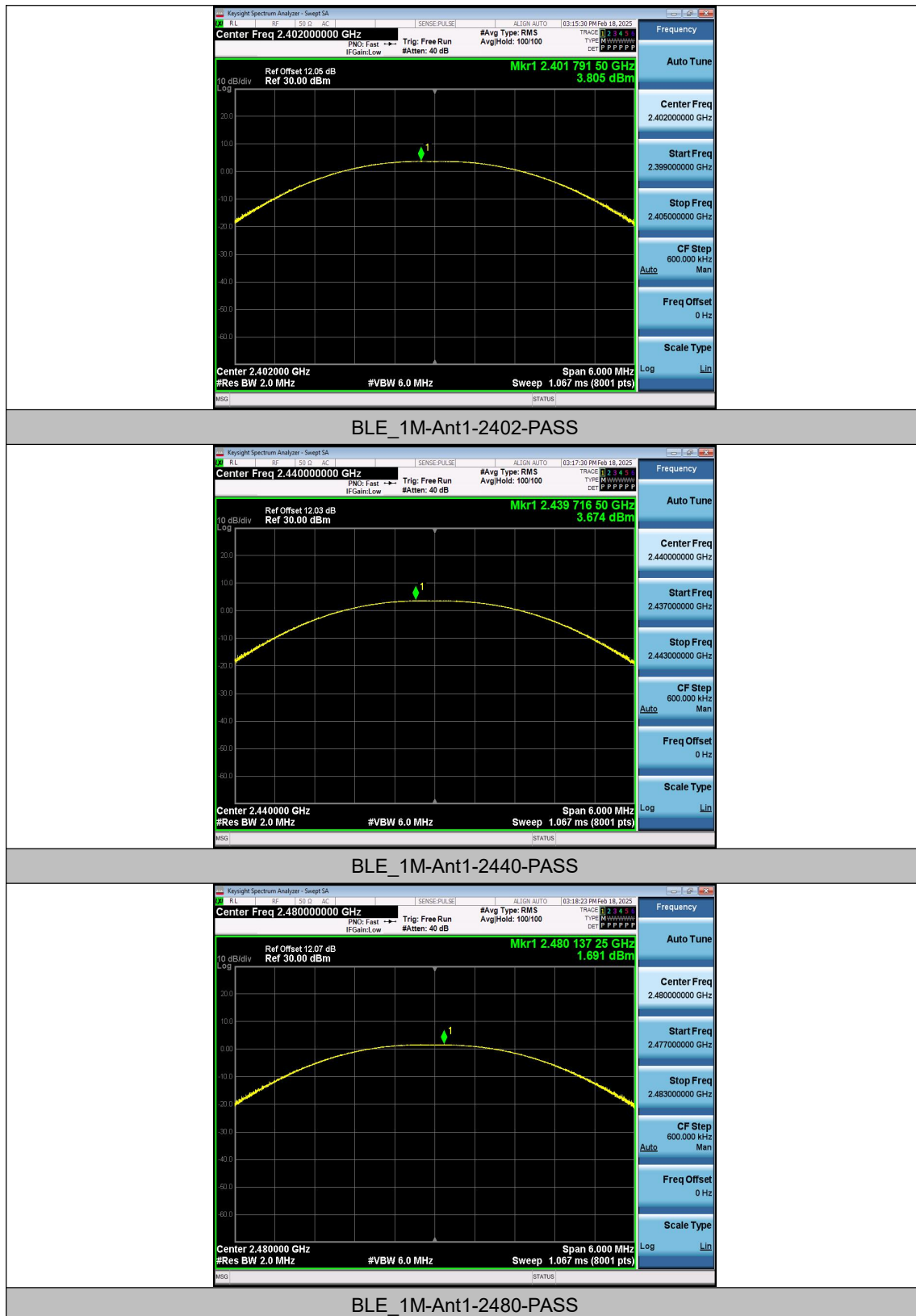


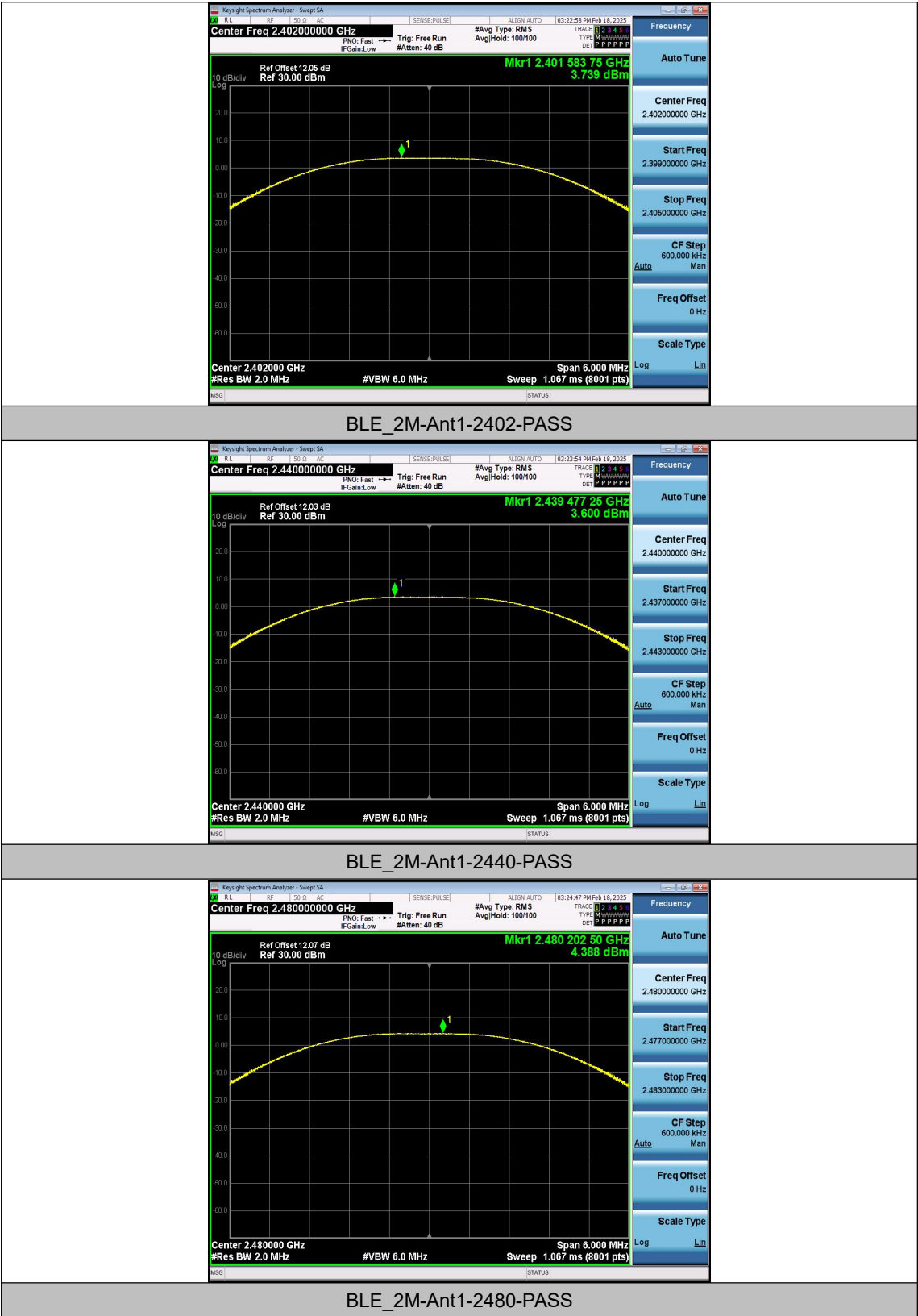
Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.81	≤30	PASS
BLE_1M	Ant1	2440	3.67	≤30	PASS
BLE_1M	Ant1	2480	1.69	≤30	PASS
BLE_2M	Ant1	2402	3.74	≤30	PASS
BLE_2M	Ant1	2440	3.60	≤30	PASS
BLE_2M	Ant1	2480	4.39	≤30	PASS

Test Graphs Peak



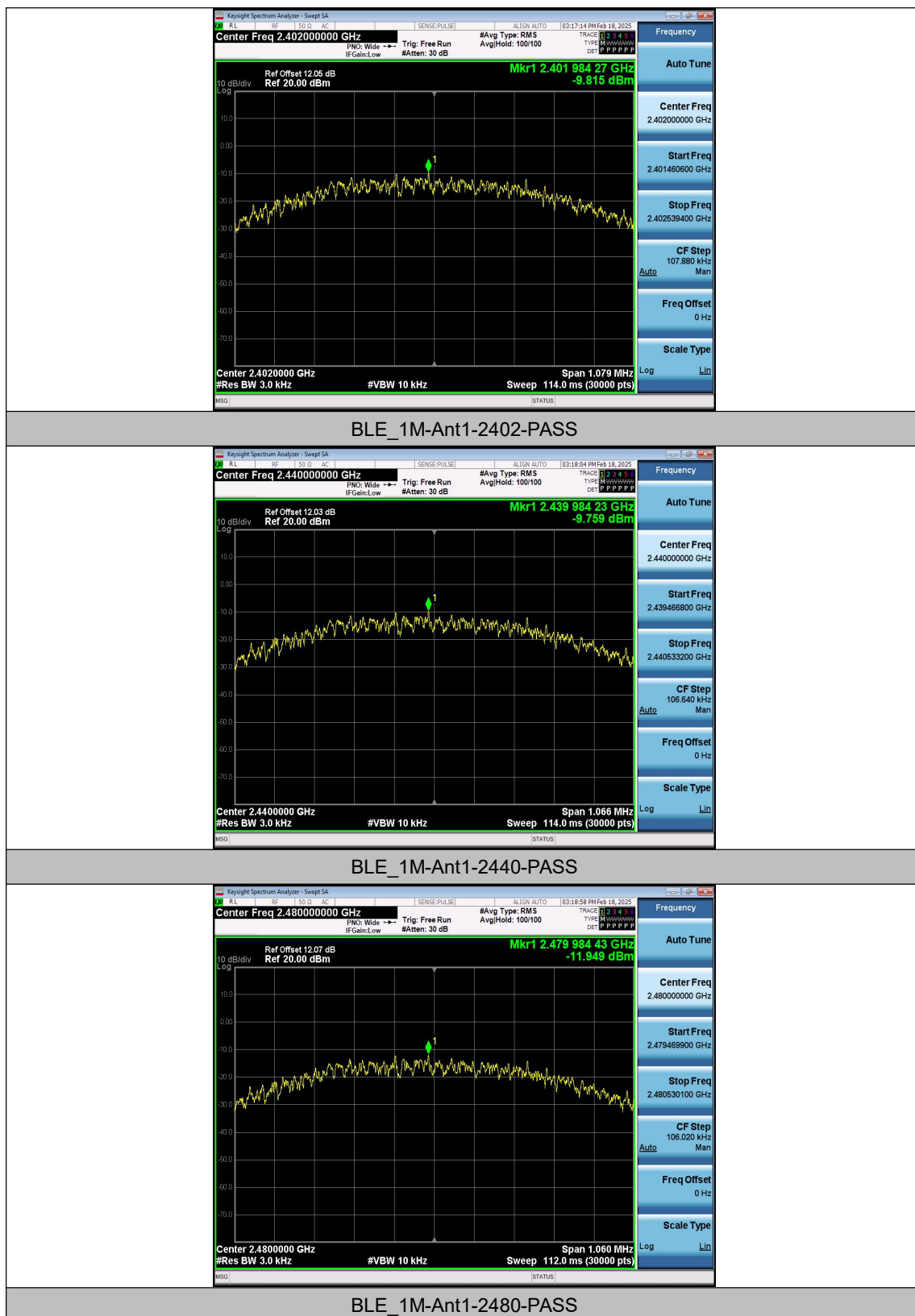


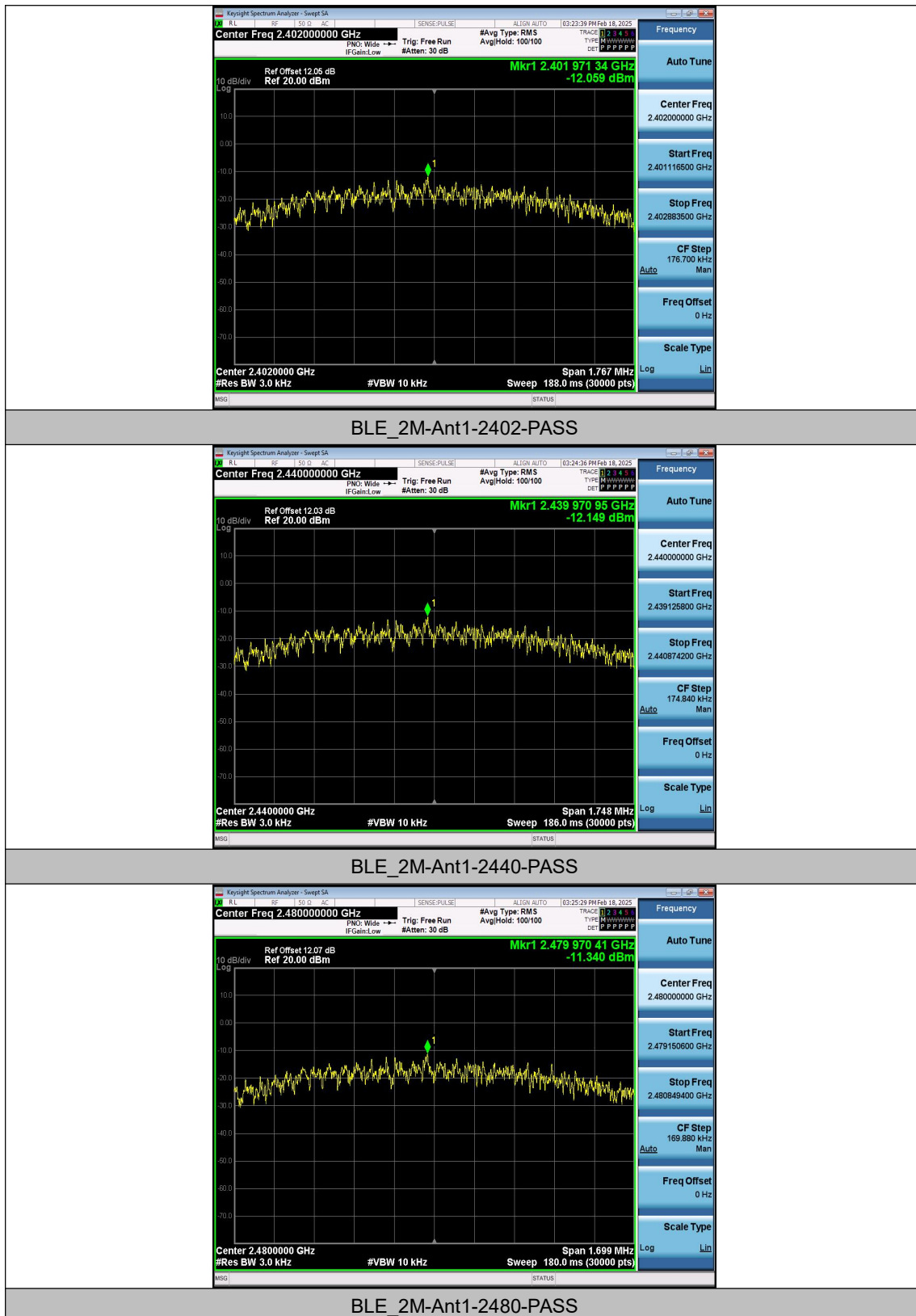
Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.82	≤8.00	PASS
BLE_1M	Ant1	2440	-9.76	≤8.00	PASS
BLE_1M	Ant1	2480	-11.95	≤8.00	PASS
BLE_2M	Ant1	2402	-12.06	≤8.00	PASS
BLE_2M	Ant1	2440	-12.15	≤8.00	PASS
BLE_2M	Ant1	2480	-11.34	≤8.00	PASS

Test Graphs





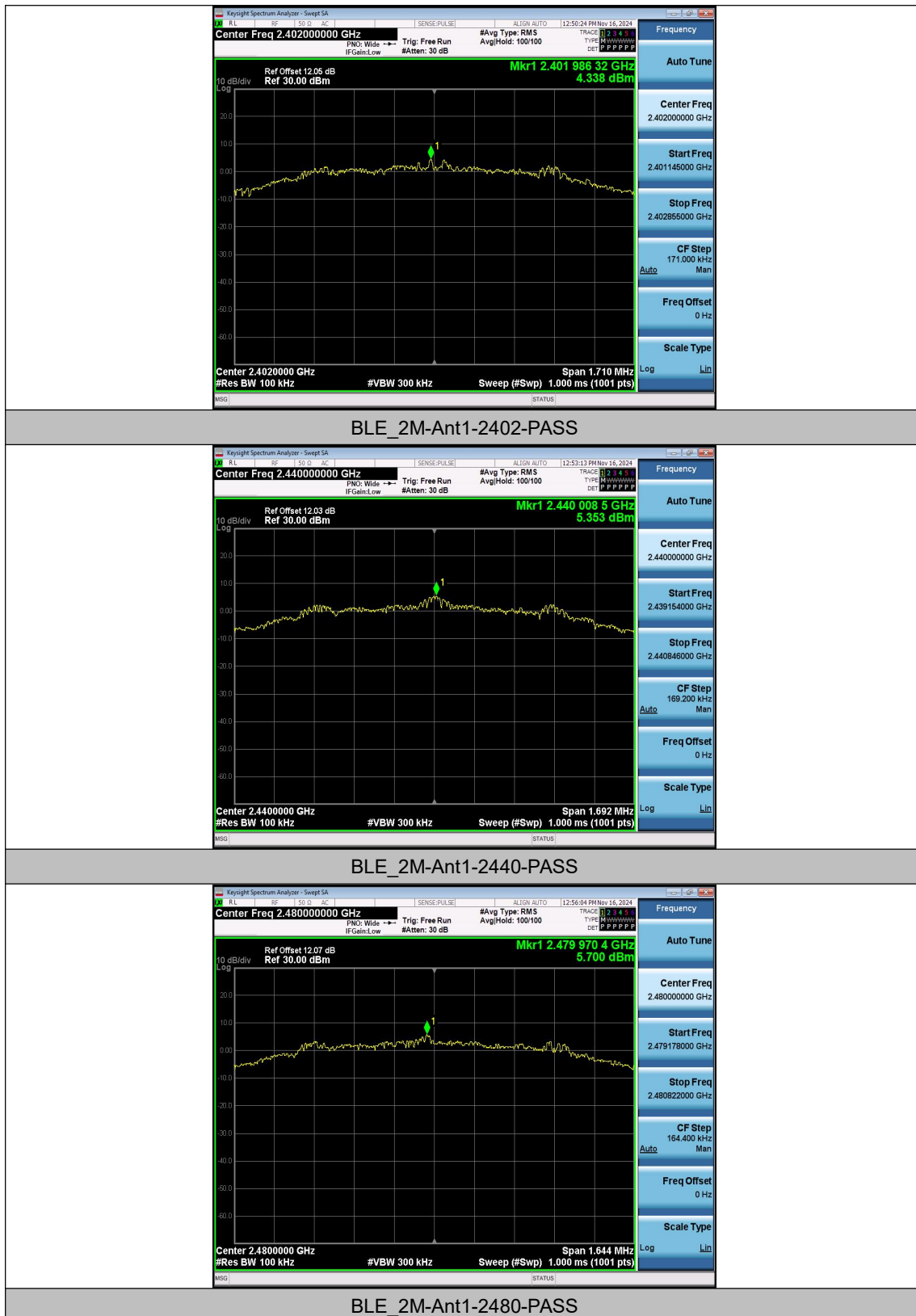
Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.75	3.98
BLE_1M	Ant1	2440	2439.75	4.41
BLE_1M	Ant1	2480	2479.76	5.99
BLE_2M	Ant1	2402	2401.99	4.34
BLE_2M	Ant1	2440	2440.01	5.35
BLE_2M	Ant1	2480	2479.97	5.70

Test Graphs





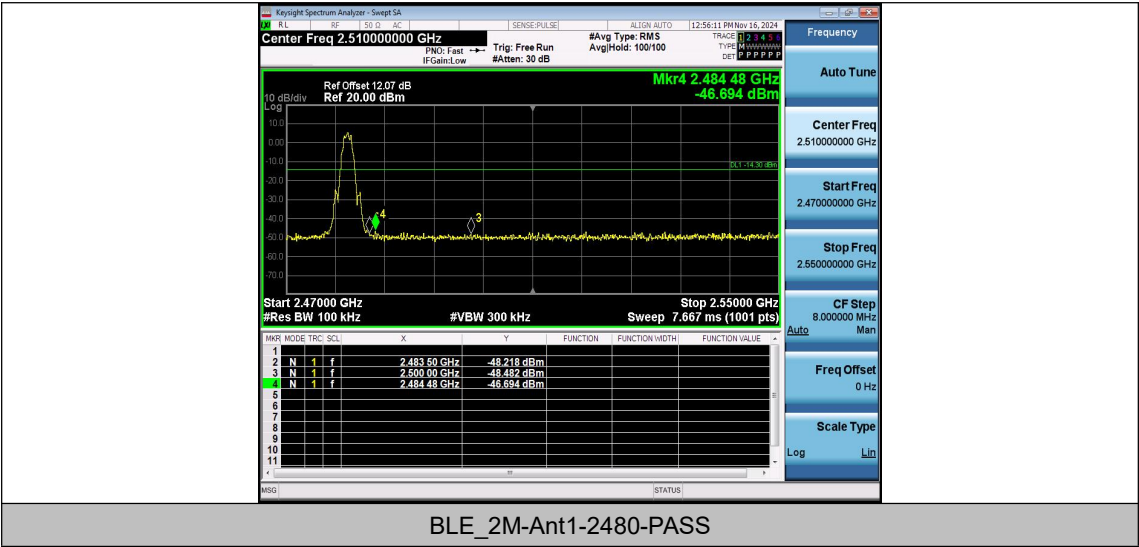
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.98	-36.74	≤-16.02	PASS
BLE_1M	Ant1	High	2480	5.99	-46.47	≤-14.01	PASS
BLE_2M	Ant1	Low	2402	4.34	-29.25	≤-15.66	PASS
BLE_2M	Ant1	High	2480	5.70	-46.69	≤-14.3	PASS

Test Graphs





BLE_2M-Ant1-2480-PASS

Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	3.98	-58.48	≤-16.02	PASS
BLE_1M	Ant1	2402	1000~26500	3.98	-42.51	≤-16.02	PASS
BLE_1M	Ant1	2440	30~1000	4.41	-58.81	≤-15.59	PASS
BLE_1M	Ant1	2440	1000~26500	4.41	-43.64	≤-15.59	PASS
BLE_1M	Ant1	2480	30~1000	5.99	-58.59	≤-14.01	PASS
BLE_1M	Ant1	2480	1000~26500	5.99	-44.12	≤-14.01	PASS
BLE_2M	Ant1	2402	30~1000	4.34	-59.2	≤-15.66	PASS
BLE_2M	Ant1	2402	1000~26500	4.34	-44.39	≤-15.66	PASS
BLE_2M	Ant1	2440	30~1000	5.35	-58.89	≤-14.65	PASS
BLE_2M	Ant1	2440	1000~26500	5.35	-44.33	≤-14.65	PASS
BLE_2M	Ant1	2480	30~1000	5.70	-58.89	≤-14.3	PASS
BLE_2M	Ant1	2480	1000~26500	5.70	-44.14	≤-14.3	PASS

Test Graphs

