

Appendix for BLE

Product Name: EcoFlow RAPID Pro Power
Bank(27K,300W, 140W Built-in Cable)
Model No: EF-HB-140

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.648	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.680	2439.656	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.704	2479.644	2480.348	0.5	PASS
BLE_2M	Ant1	2402	1.140	2401.428	2402.568	0.5	PASS
BLE_2M	Ant1	2440	1.112	2439.448	2440.560	0.5	PASS
BLE_2M	Ant1	2480	1.140	2479.424	2480.564	0.5	PASS

Test Graphs



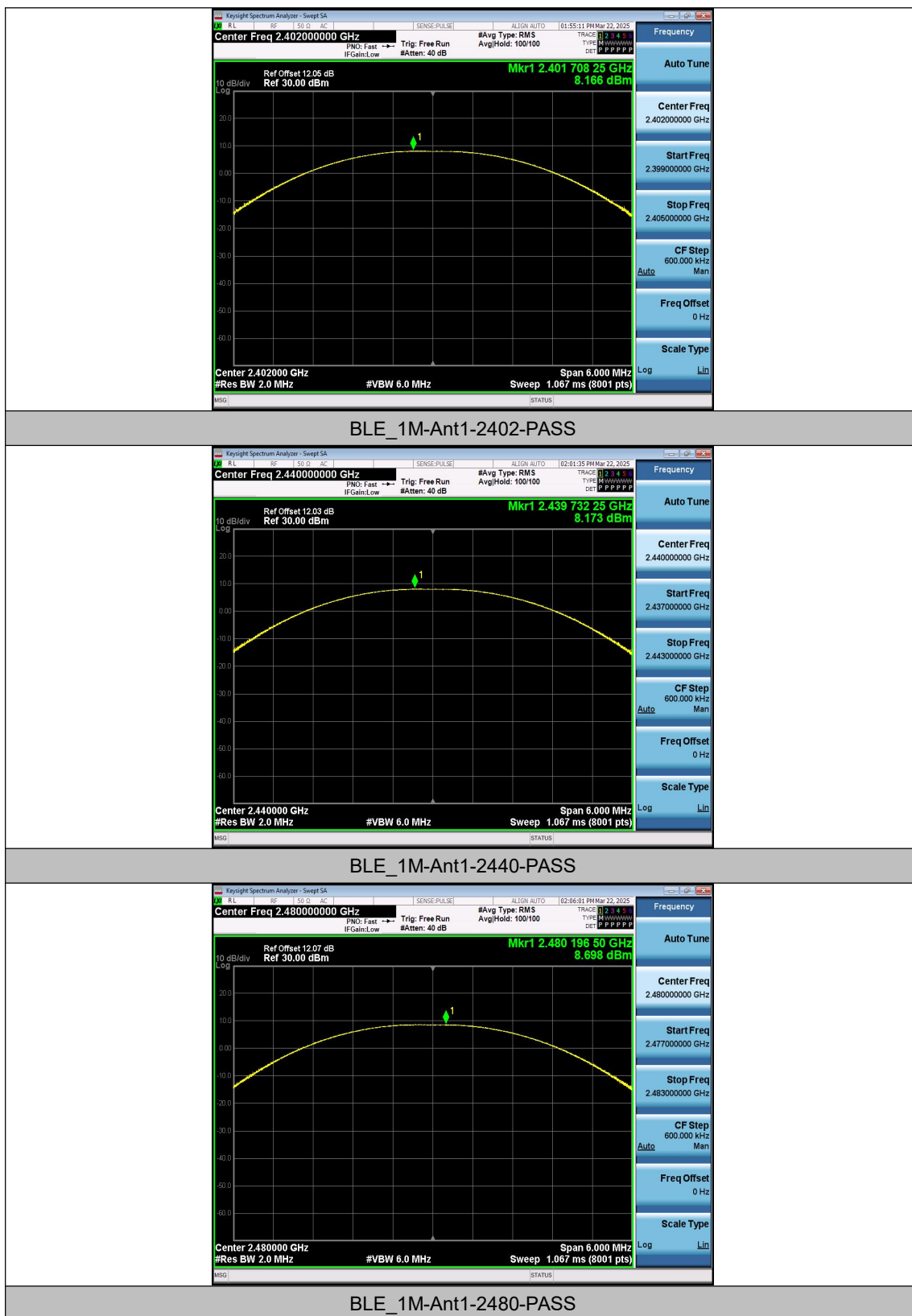


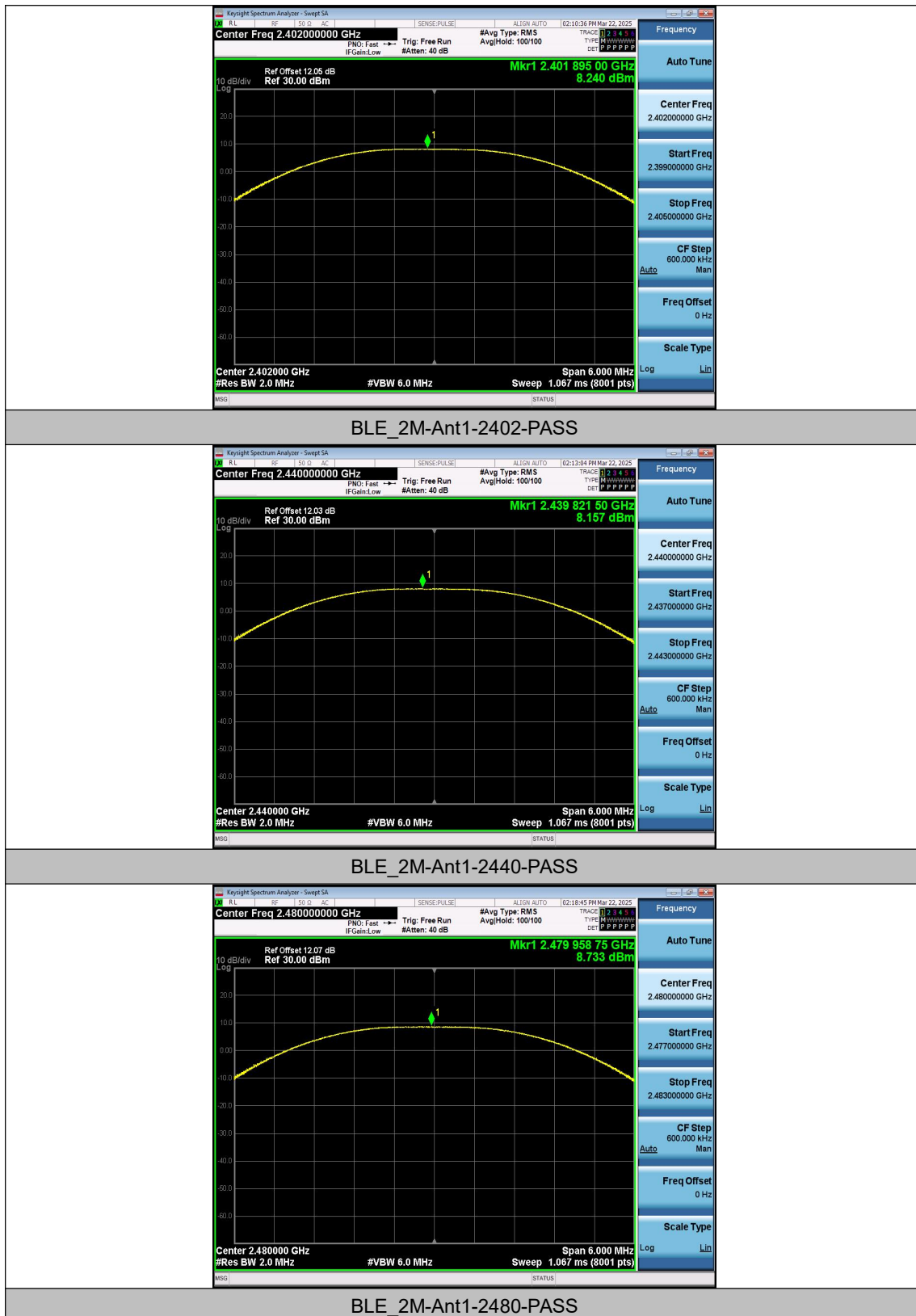
Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	8.17	≤30	PASS
BLE_1M	Ant1	2440	8.17	≤30	PASS
BLE_1M	Ant1	2480	8.70	≤30	PASS
BLE_2M	Ant1	2402	8.24	≤30	PASS
BLE_2M	Ant1	2440	8.16	≤30	PASS
BLE_2M	Ant1	2480	8.73	≤30	PASS

Test Graphs Peak



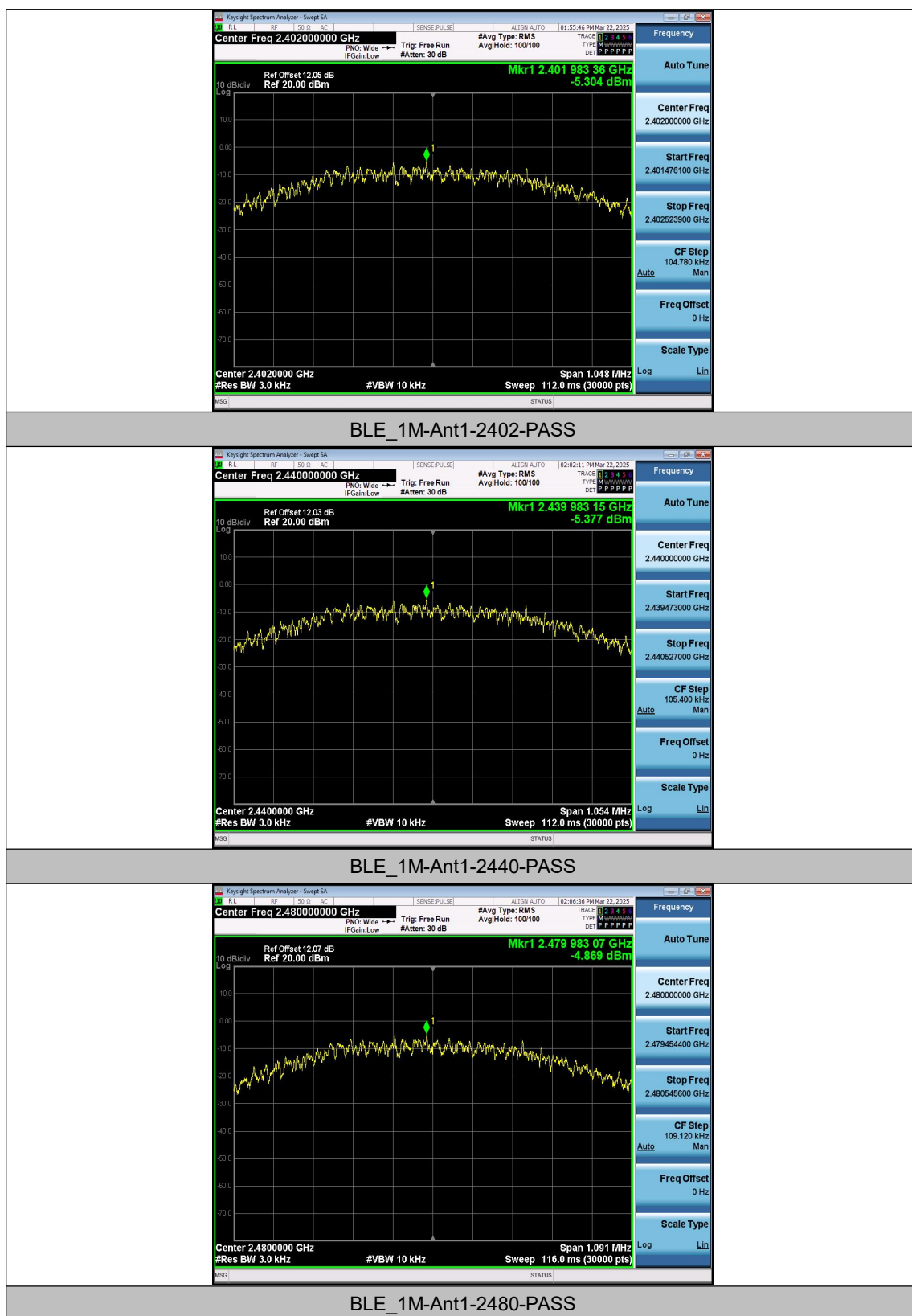


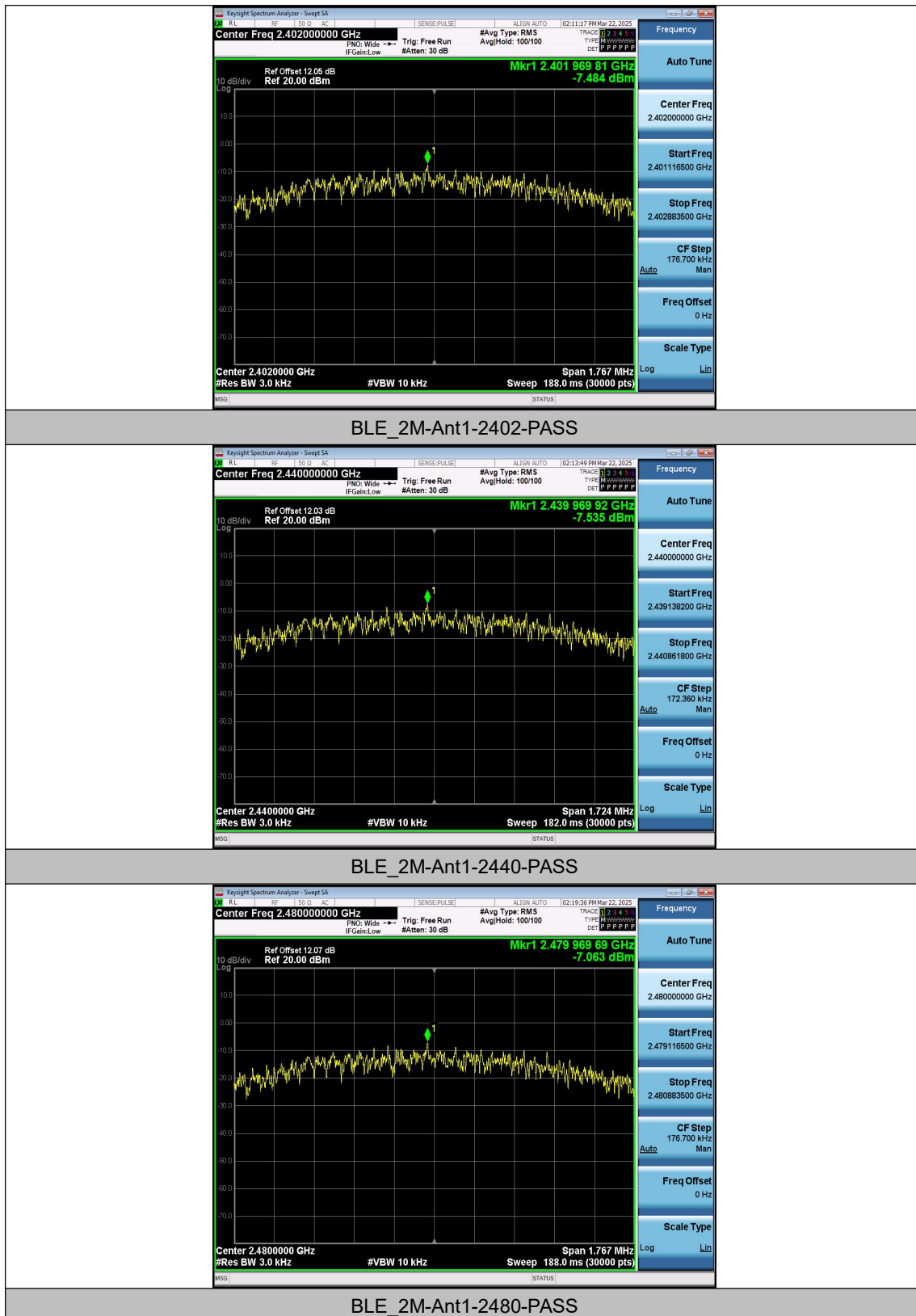
Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.30	≤8.00	PASS
BLE_1M	Ant1	2440	-5.38	≤8.00	PASS
BLE_1M	Ant1	2480	-4.87	≤8.00	PASS
BLE_2M	Ant1	2402	-7.48	≤8.00	PASS
BLE_2M	Ant1	2440	-7.54	≤8.00	PASS
BLE_2M	Ant1	2480	-7.06	≤8.00	PASS

Test Graphs



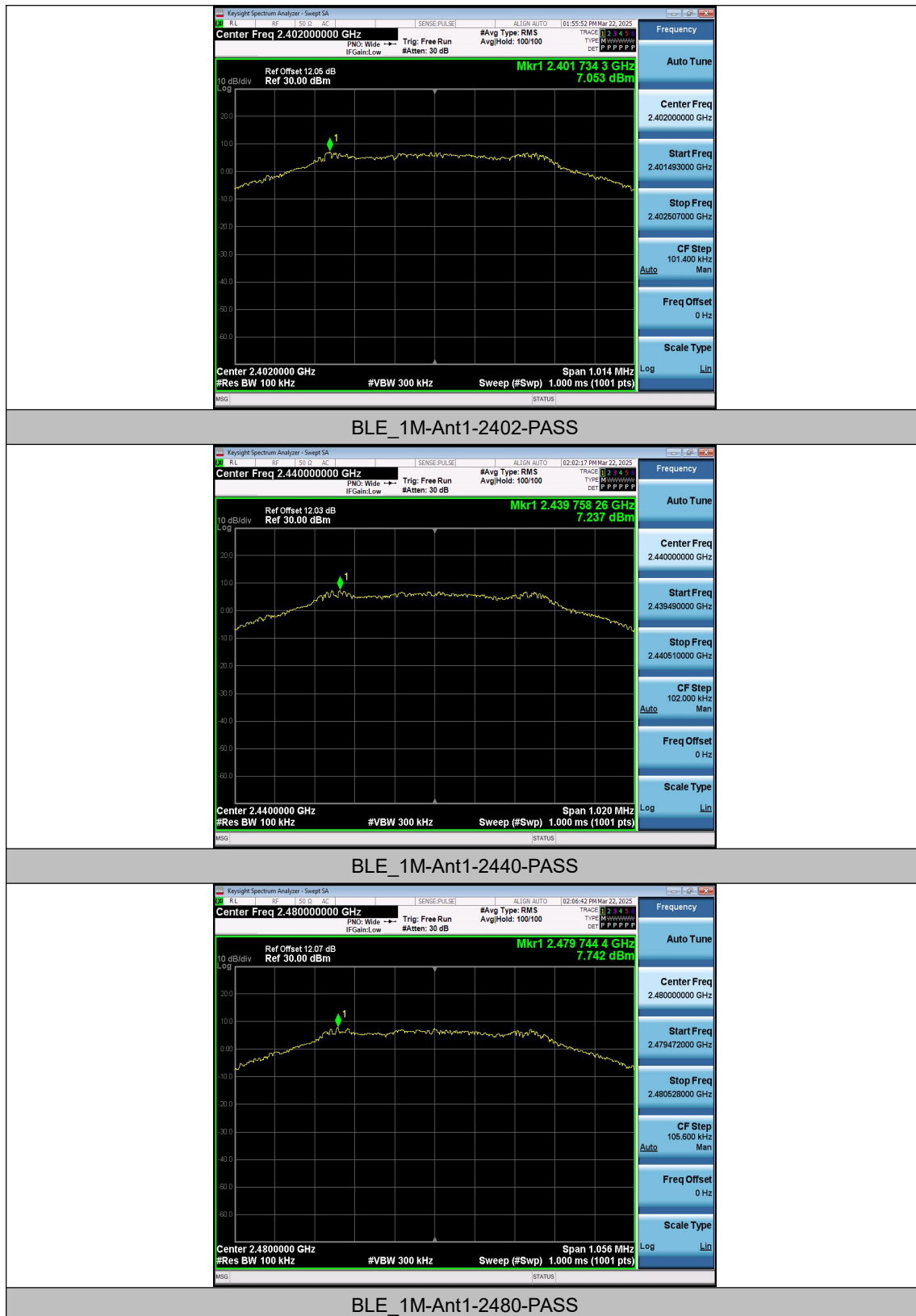


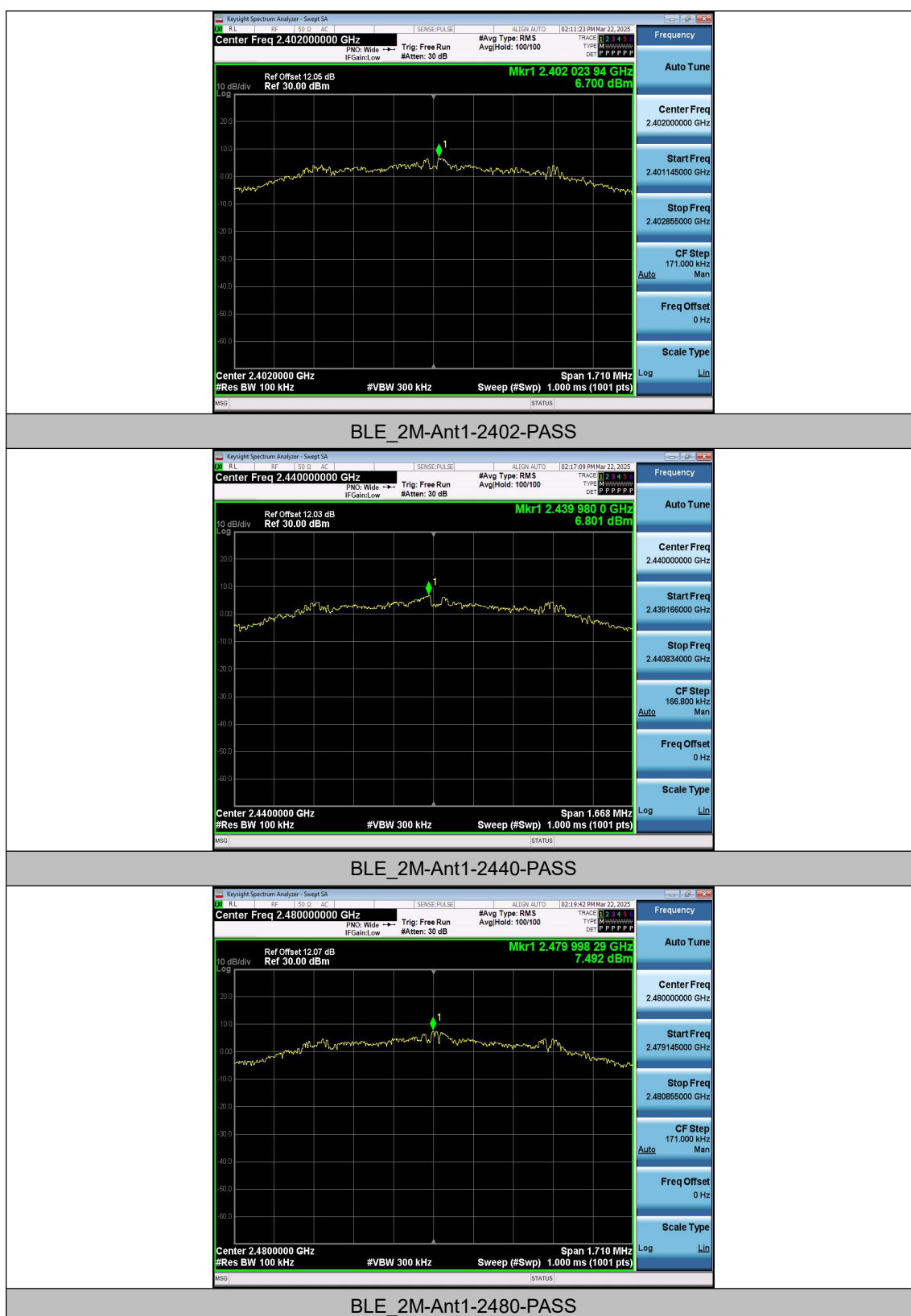
Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.73	7.05
BLE_1M	Ant1	2440	2439.76	7.24
BLE_1M	Ant1	2480	2479.74	7.74
BLE_2M	Ant1	2402	2402.02	6.70
BLE_2M	Ant1	2440	2439.98	6.80
BLE_2M	Ant1	2480	2480.00	7.49

Test Graphs





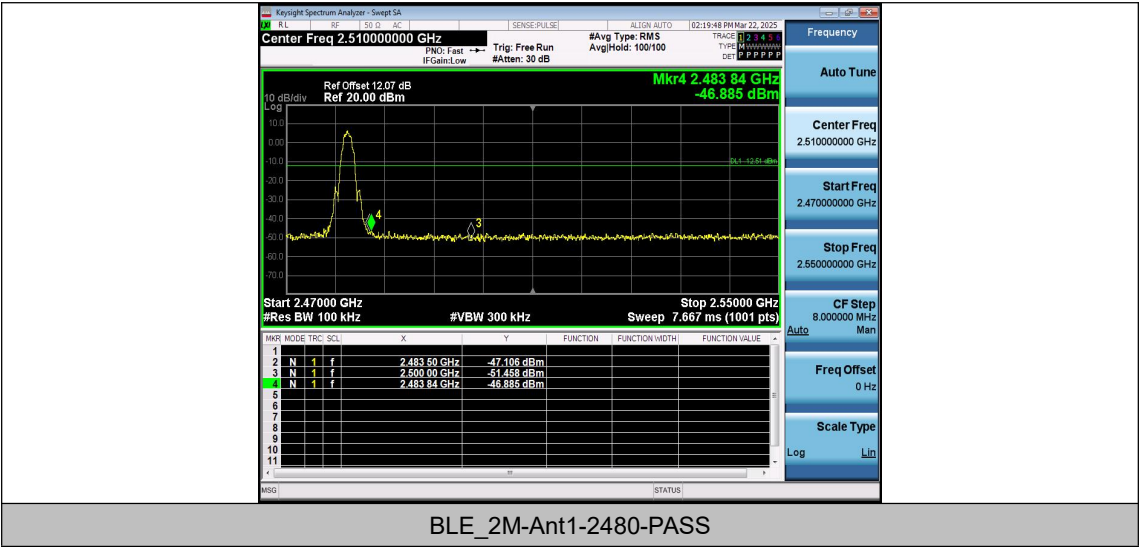
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.05	-31.96	≤-12.95	PASS
BLE_1M	Ant1	High	2480	7.74	-46.39	≤-12.26	PASS
BLE_2M	Ant1	Low	2402	6.70	-23.21	≤-13.3	PASS
BLE_2M	Ant1	High	2480	7.49	-46.89	≤-12.51	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	7.05	-47.31	≤-12.95	PASS
BLE_1M	Ant1	2402	1000~26500	7.05	-44.06	≤-12.95	PASS
BLE_1M	Ant1	2440	30~1000	7.24	-46.89	≤-12.76	PASS
BLE_1M	Ant1	2440	1000~26500	7.24	-43.98	≤-12.76	PASS
BLE_1M	Ant1	2480	30~1000	7.74	-57.35	≤-12.26	PASS
BLE_1M	Ant1	2480	1000~26500	7.74	-44.04	≤-12.26	PASS
BLE_2M	Ant1	2402	30~1000	6.70	-56.58	≤-13.3	PASS
BLE_2M	Ant1	2402	1000~26500	6.70	-44.16	≤-13.3	PASS
BLE_2M	Ant1	2440	30~1000	6.80	-51.32	≤-13.2	PASS
BLE_2M	Ant1	2440	1000~26500	6.80	-44.71	≤-13.2	PASS
BLE_2M	Ant1	2480	30~1000	7.49	-54.38	≤-12.51	PASS
BLE_2M	Ant1	2480	1000~26500	7.49	-43.05	≤-12.51	PASS

Test Graphs

