

Appendix for BLE

Product Name: EcoFlow RAPID Pro Power Bank (20K,
230W, 100W Built-in Cable)

Model No: EF-HB-100

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.668	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.684	2439.660	2440.344	0.5	PASS
BLE_1M	Ant1	2480	0.680	2479.664	2480.344	0.5	PASS
BLE_2M	Ant1	2402	1.144	2401.444	2402.588	0.5	PASS
BLE_2M	Ant1	2440	1.120	2439.436	2440.556	0.5	PASS
BLE_2M	Ant1	2480	1.196	2479.384	2480.580	0.5	PASS

Test Graphs



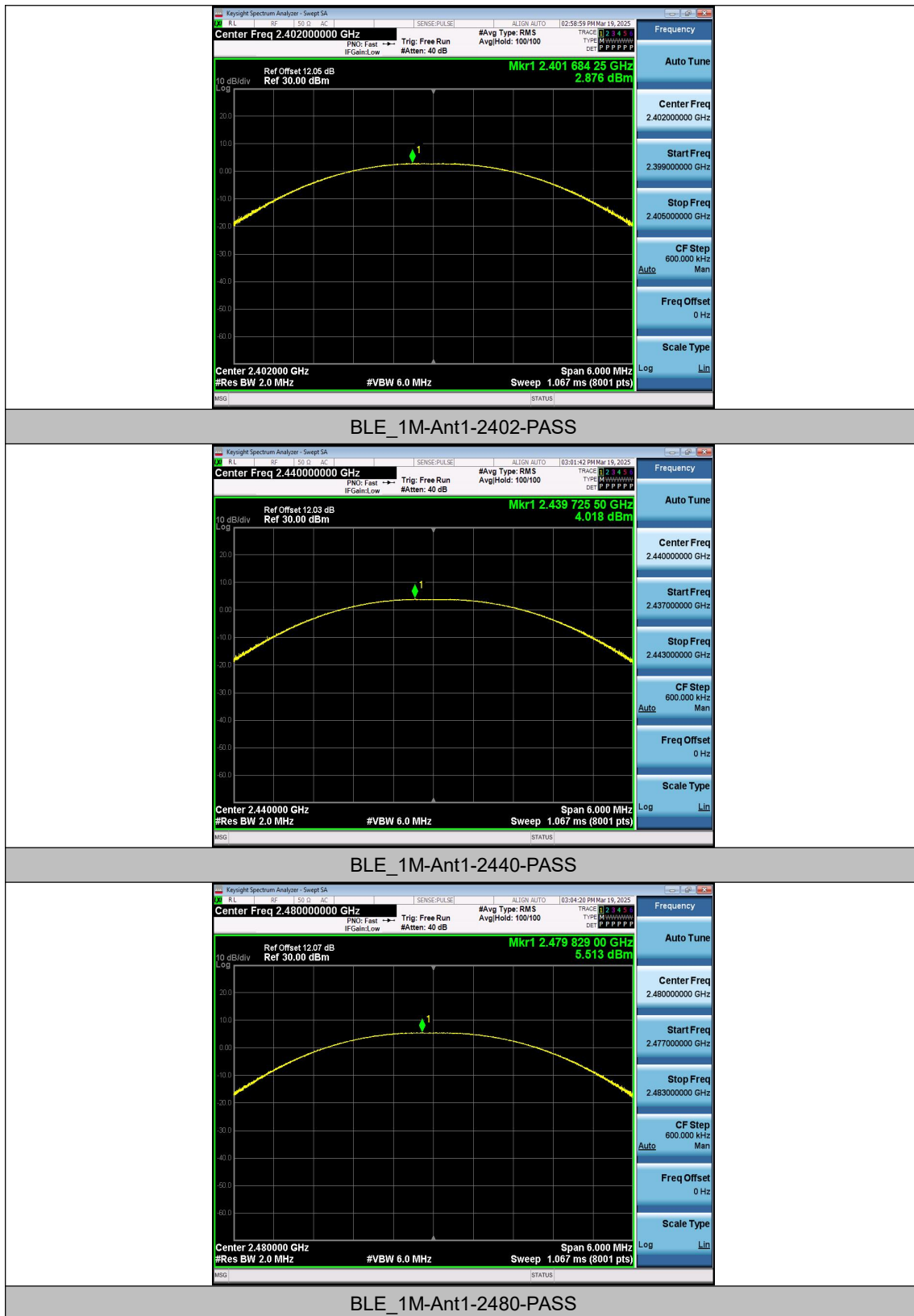


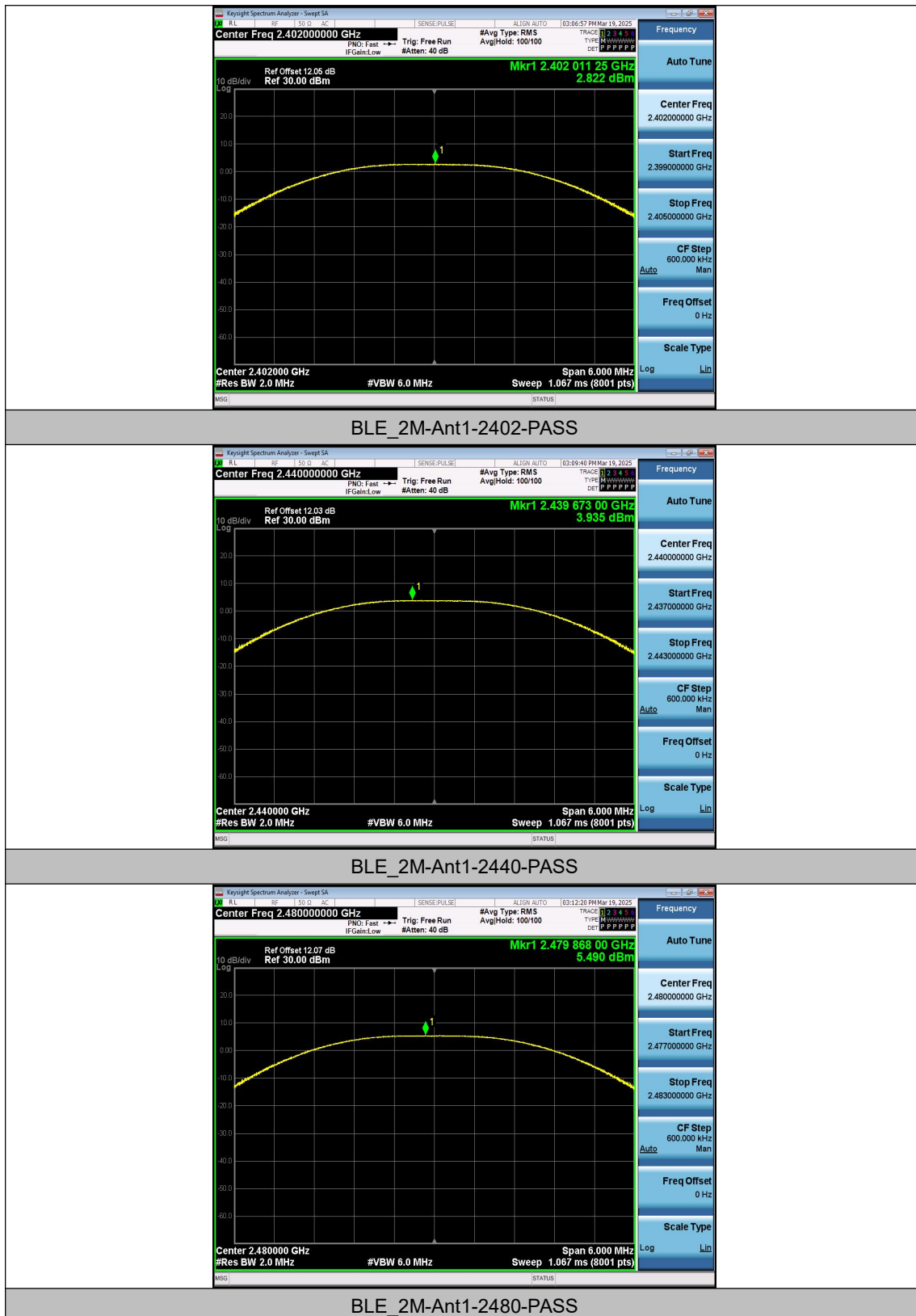
Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.88	≤30	PASS
BLE_1M	Ant1	2440	4.02	≤30	PASS
BLE_1M	Ant1	2480	5.51	≤30	PASS
BLE_2M	Ant1	2402	2.82	≤30	PASS
BLE_2M	Ant1	2440	3.94	≤30	PASS
BLE_2M	Ant1	2480	5.49	≤30	PASS

Test Graphs Peak



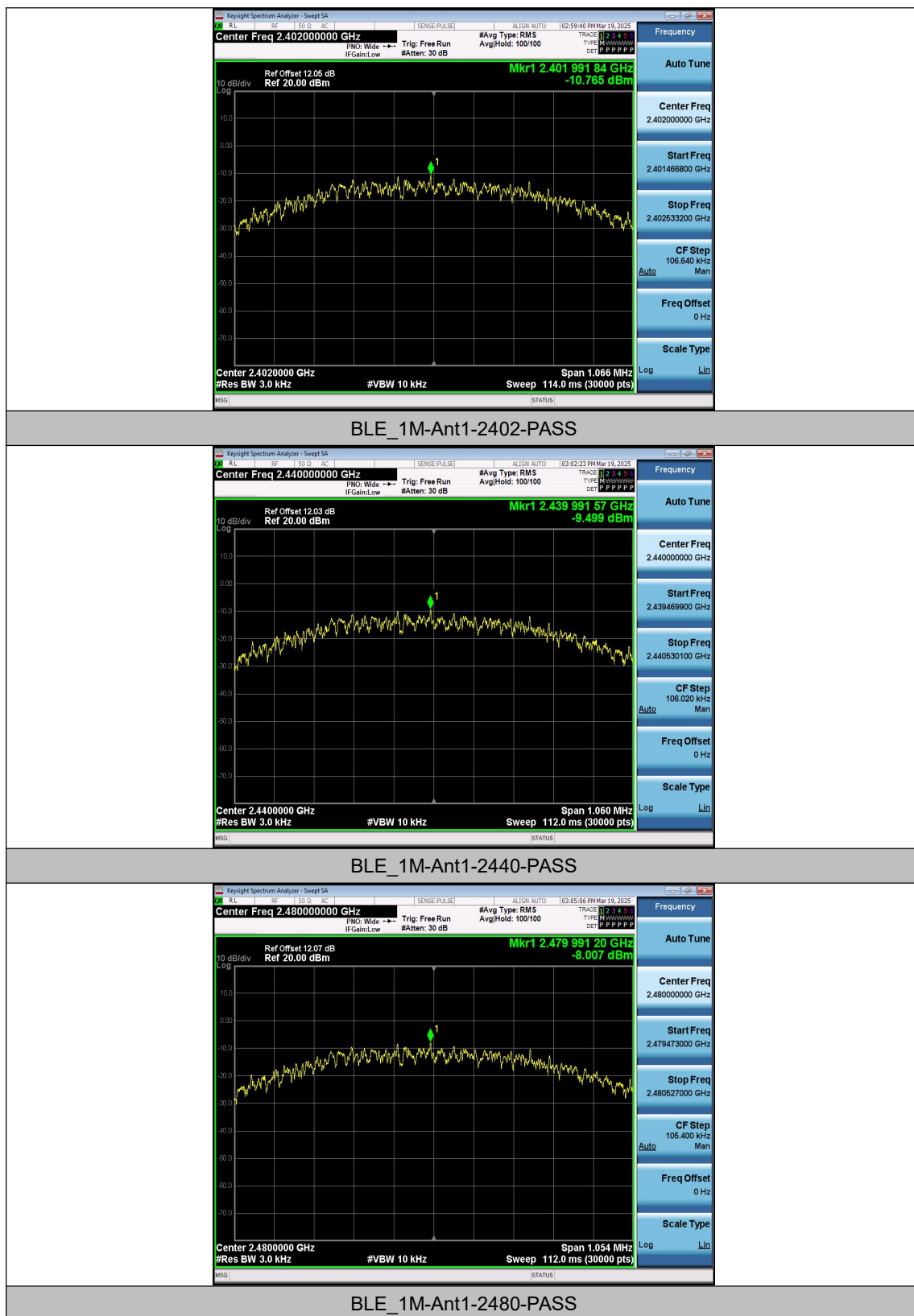


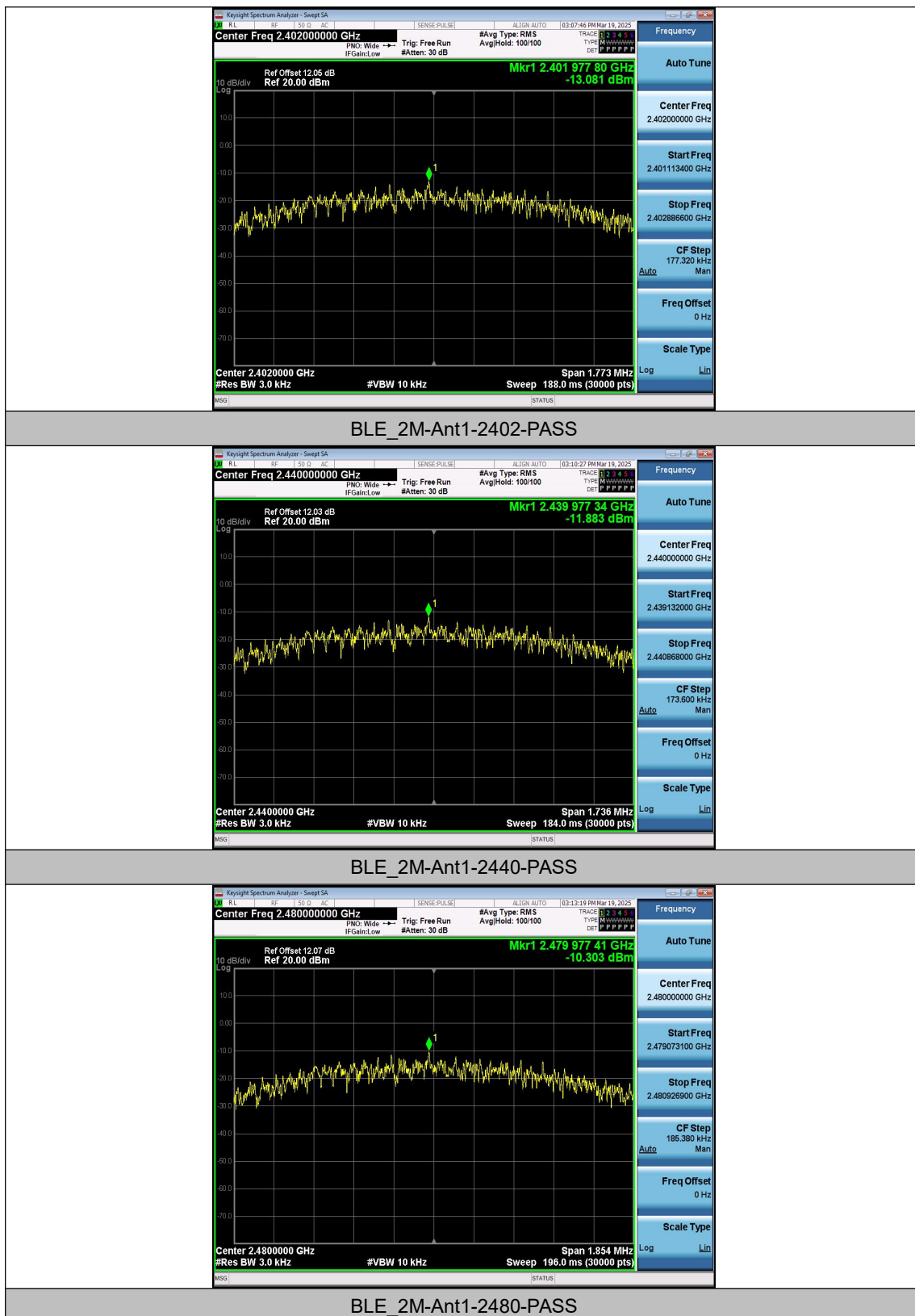
Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.77	≤8.00	PASS
BLE_1M	Ant1	2440	-9.50	≤8.00	PASS
BLE_1M	Ant1	2480	-8.01	≤8.00	PASS
BLE_2M	Ant1	2402	-13.08	≤8.00	PASS
BLE_2M	Ant1	2440	-11.88	≤8.00	PASS
BLE_2M	Ant1	2480	-10.30	≤8.00	PASS

Test Graphs



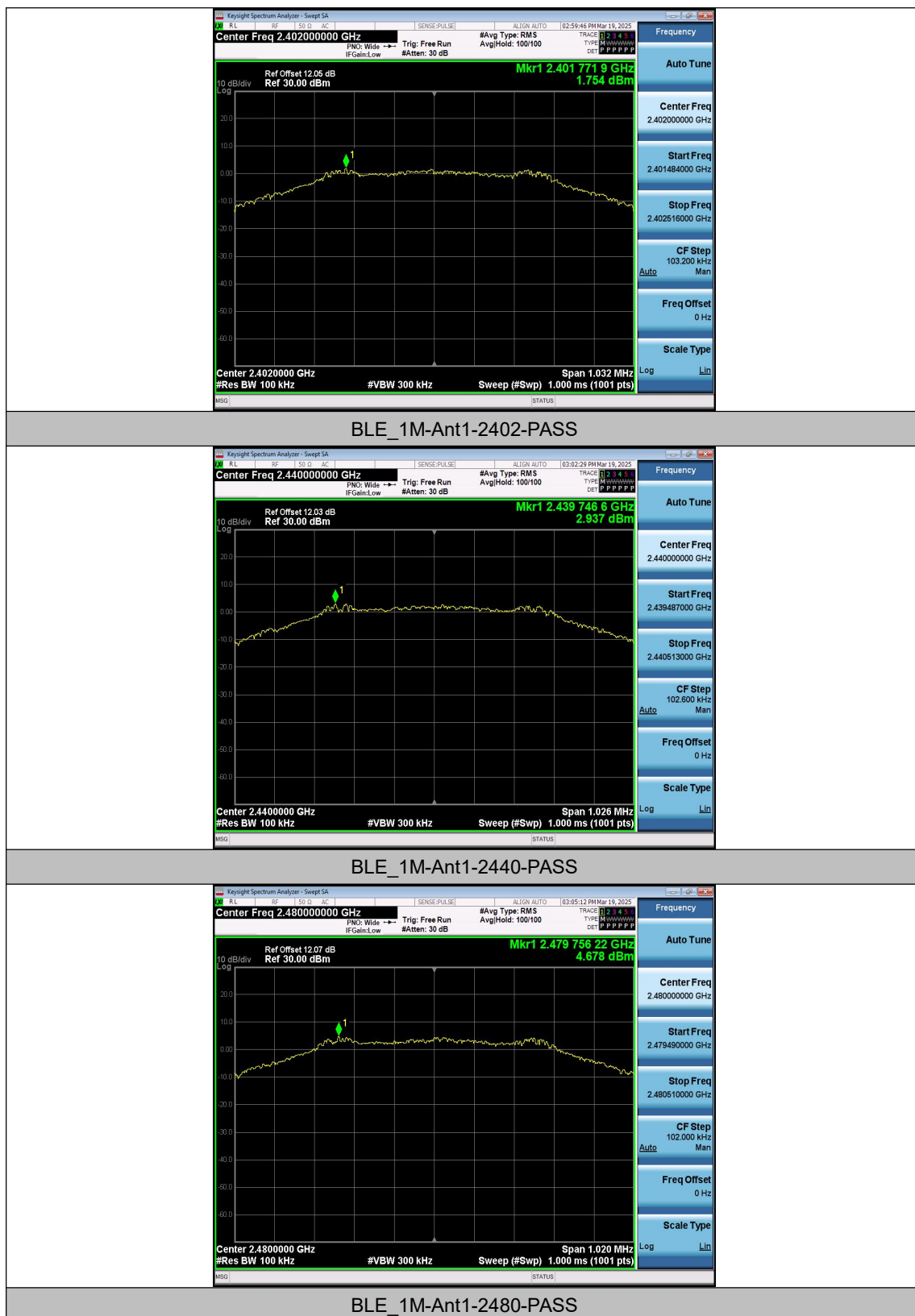


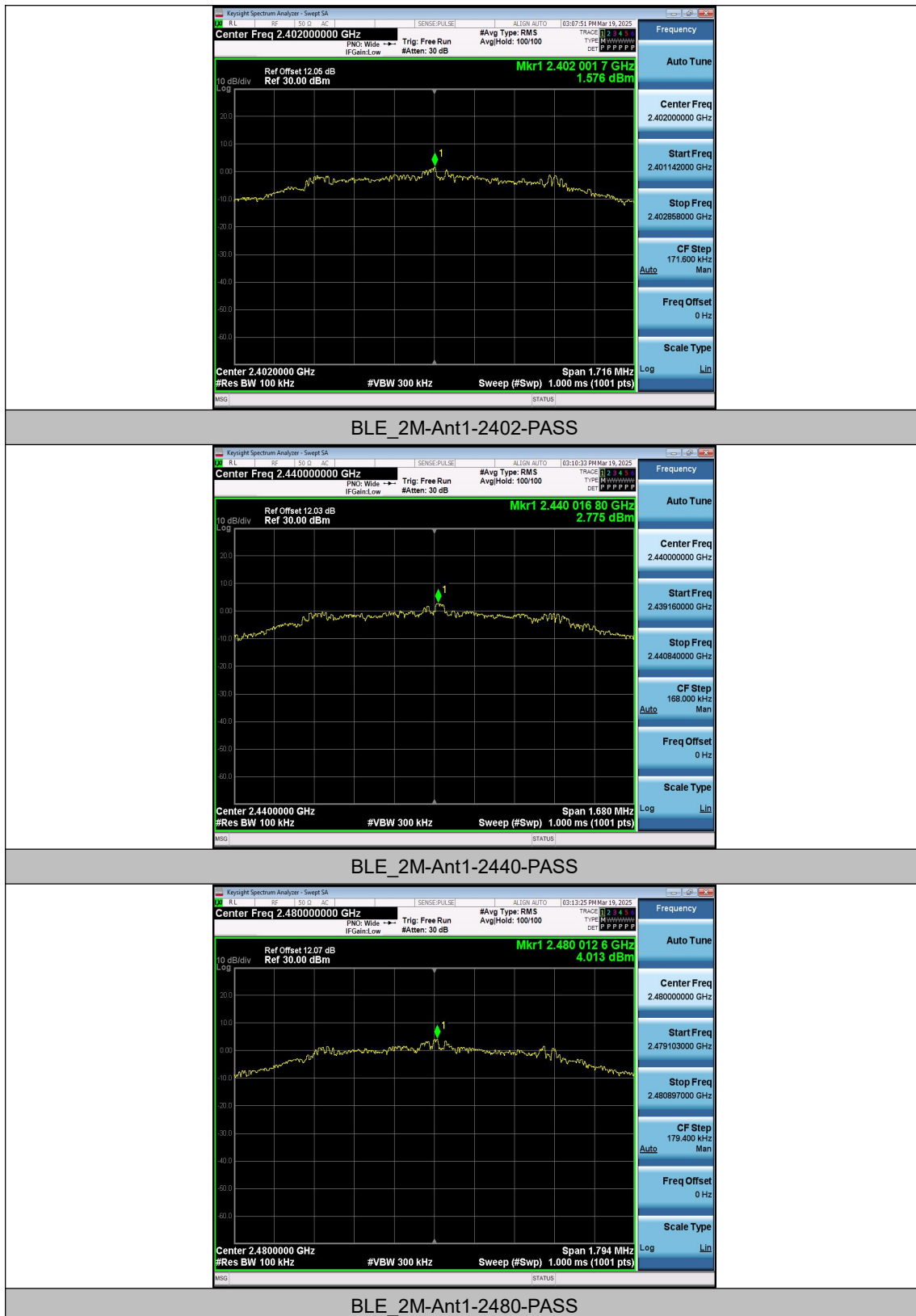
Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.77	1.75
BLE_1M	Ant1	2440	2439.75	2.94
BLE_1M	Ant1	2480	2479.76	4.68
BLE_2M	Ant1	2402	2402.00	1.58
BLE_2M	Ant1	2440	2440.02	2.78
BLE_2M	Ant1	2480	2480.01	4.01

Test Graphs



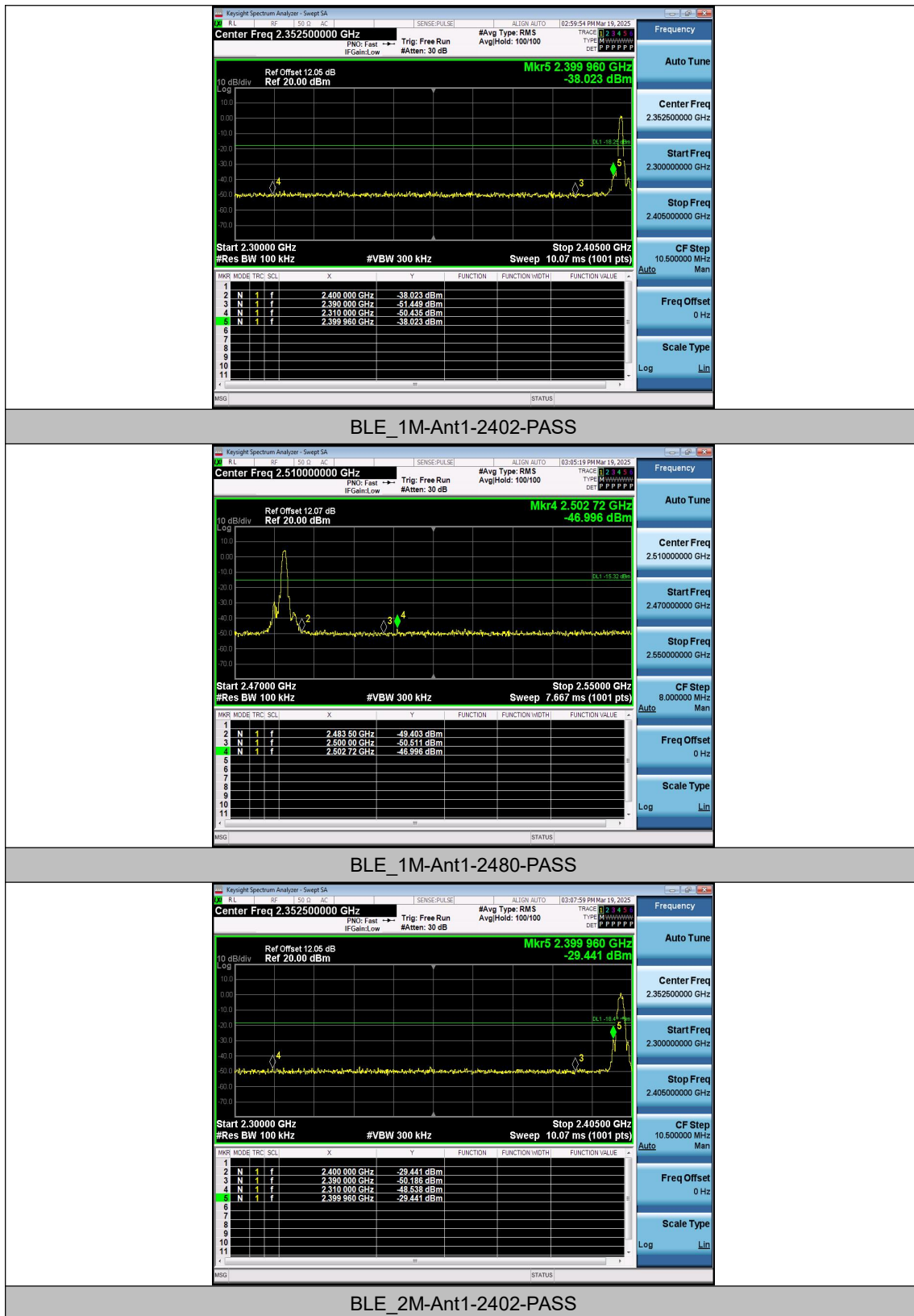


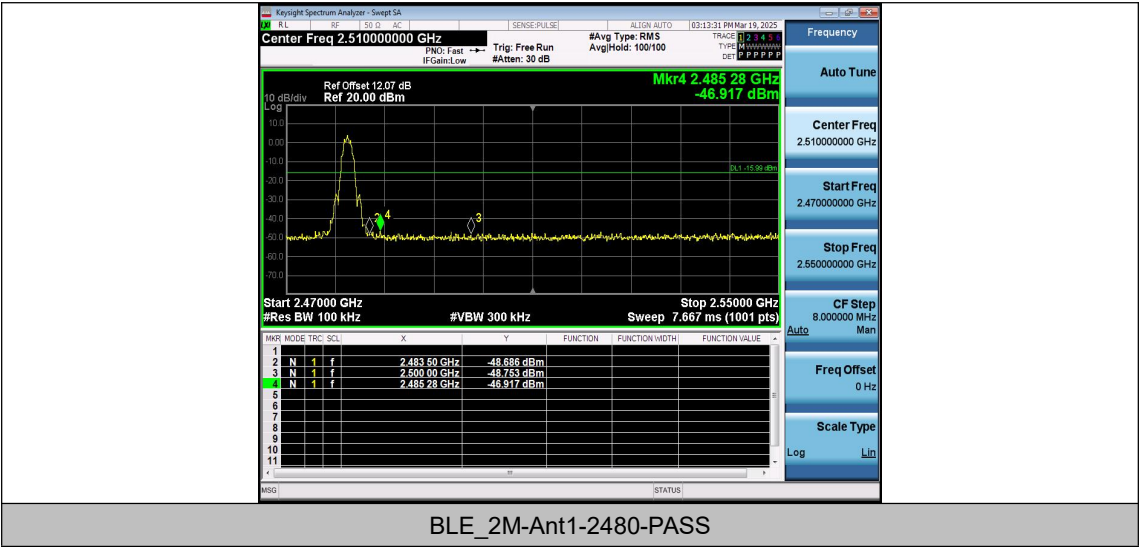
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.75	-38.02	≤-18.25	PASS
BLE_1M	Ant1	High	2480	4.68	-47	≤-15.32	PASS
BLE_2M	Ant1	Low	2402	1.58	-29.44	≤-18.42	PASS
BLE_2M	Ant1	High	2480	4.01	-46.92	≤-15.99	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	1.75	-59.64	≤-18.25	PASS
BLE_1M	Ant1	2402	1000~26500	1.75	-44.13	≤-18.25	PASS
BLE_1M	Ant1	2440	30~1000	2.94	-58.84	≤-17.06	PASS
BLE_1M	Ant1	2440	1000~26500	2.94	-43.88	≤-17.06	PASS
BLE_1M	Ant1	2480	30~1000	4.68	-58.26	≤-15.32	PASS
BLE_1M	Ant1	2480	1000~26500	4.68	-44.75	≤-15.32	PASS
BLE_2M	Ant1	2402	30~1000	1.58	-59.22	≤-18.42	PASS
BLE_2M	Ant1	2402	1000~26500	1.58	-44.31	≤-18.42	PASS
BLE_2M	Ant1	2440	30~1000	2.78	-58.79	≤-17.22	PASS
BLE_2M	Ant1	2440	1000~26500	2.78	-44.31	≤-17.22	PASS
BLE_2M	Ant1	2480	30~1000	4.01	-59.09	≤-15.99	PASS
BLE_2M	Ant1	2480	1000~26500	4.01	-44.53	≤-15.99	PASS

Test Graphs

