

Appendix for Bluetooth

Product Name: InstadoseVUE

Model No: BETA

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.732	2401.664	2402.396	0.5	PASS
BLE_1M	Ant1	2440	0.752	2439.656	2440.408	0.5	PASS
BLE_1M	Ant1	2480	0.716	2479.680	2480.396	0.5	PASS
BLE_2M	Ant1	2402	1.328	2401.348	2402.676	0.5	PASS
BLE_2M	Ant1	2440	1.344	2439.392	2440.736	0.5	PASS
BLE_2M	Ant1	2480	1.320	2479.344	2480.664	0.5	PASS

Test Graphs



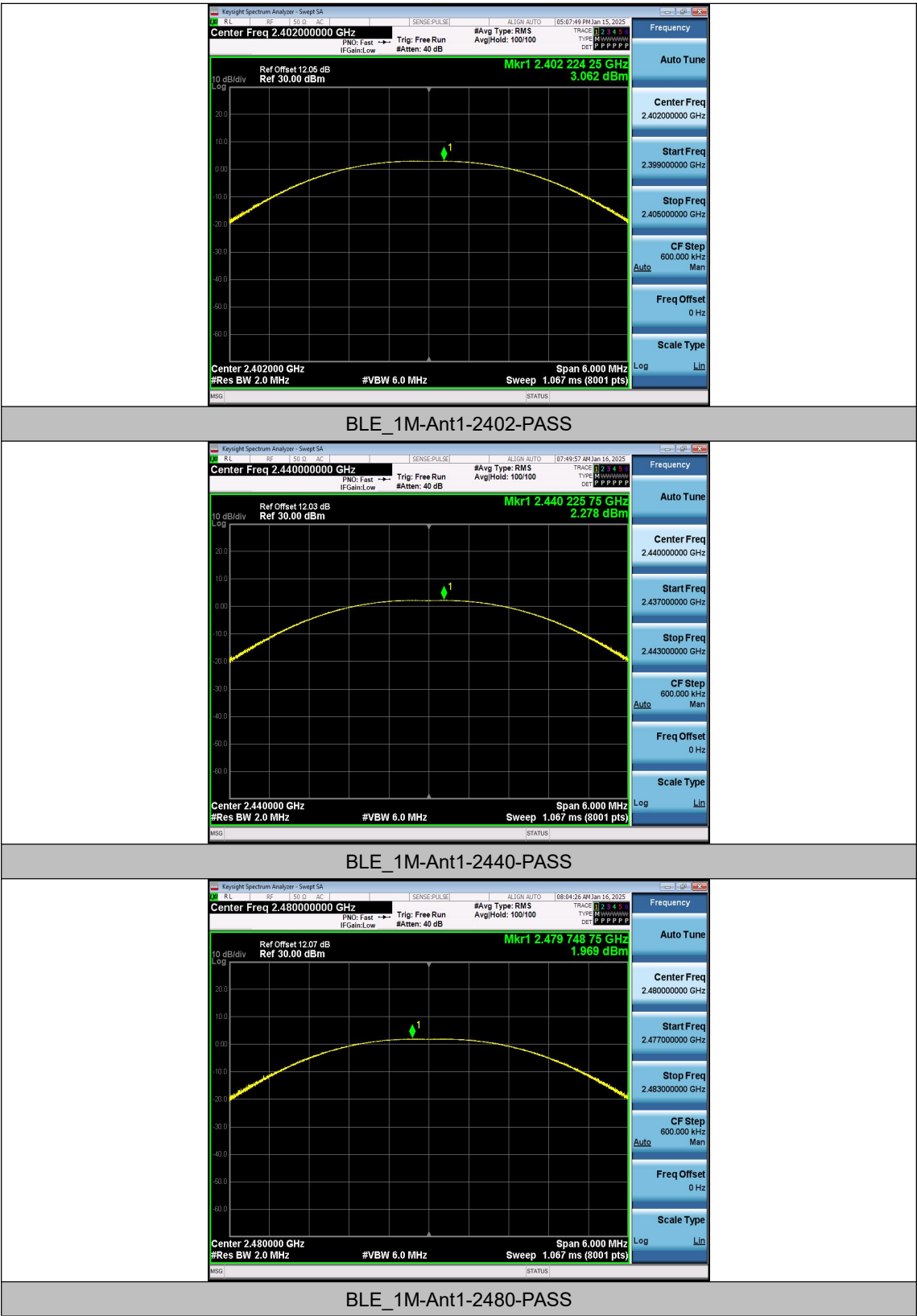


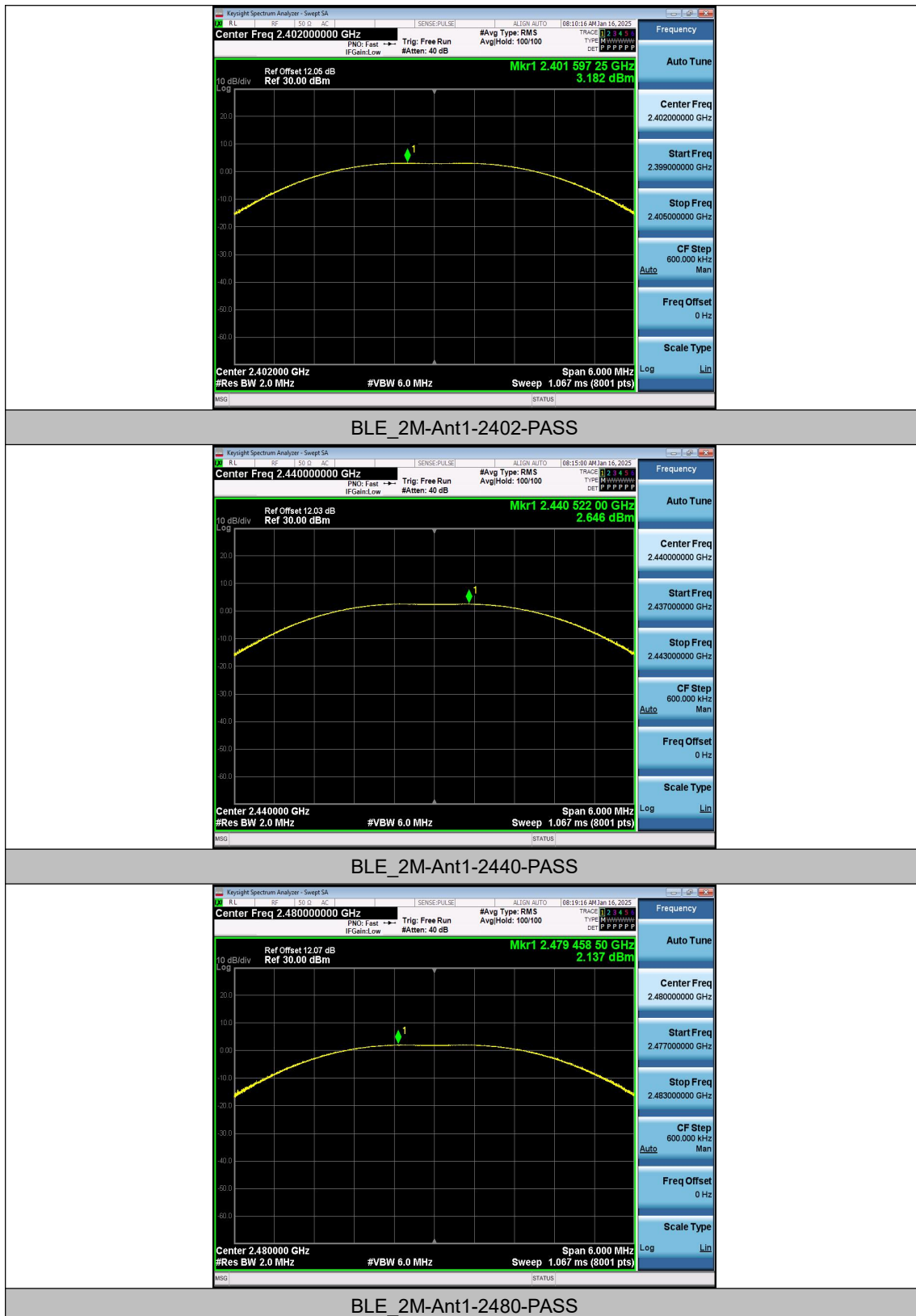
Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.06	≤30	PASS
BLE_1M	Ant1	2440	2.28	≤30	PASS
BLE_1M	Ant1	2480	1.97	≤30	PASS
BLE_2M	Ant1	2402	3.18	≤30	PASS
BLE_2M	Ant1	2440	2.65	≤30	PASS
BLE_2M	Ant1	2480	2.14	≤30	PASS

Test Graphs Peak



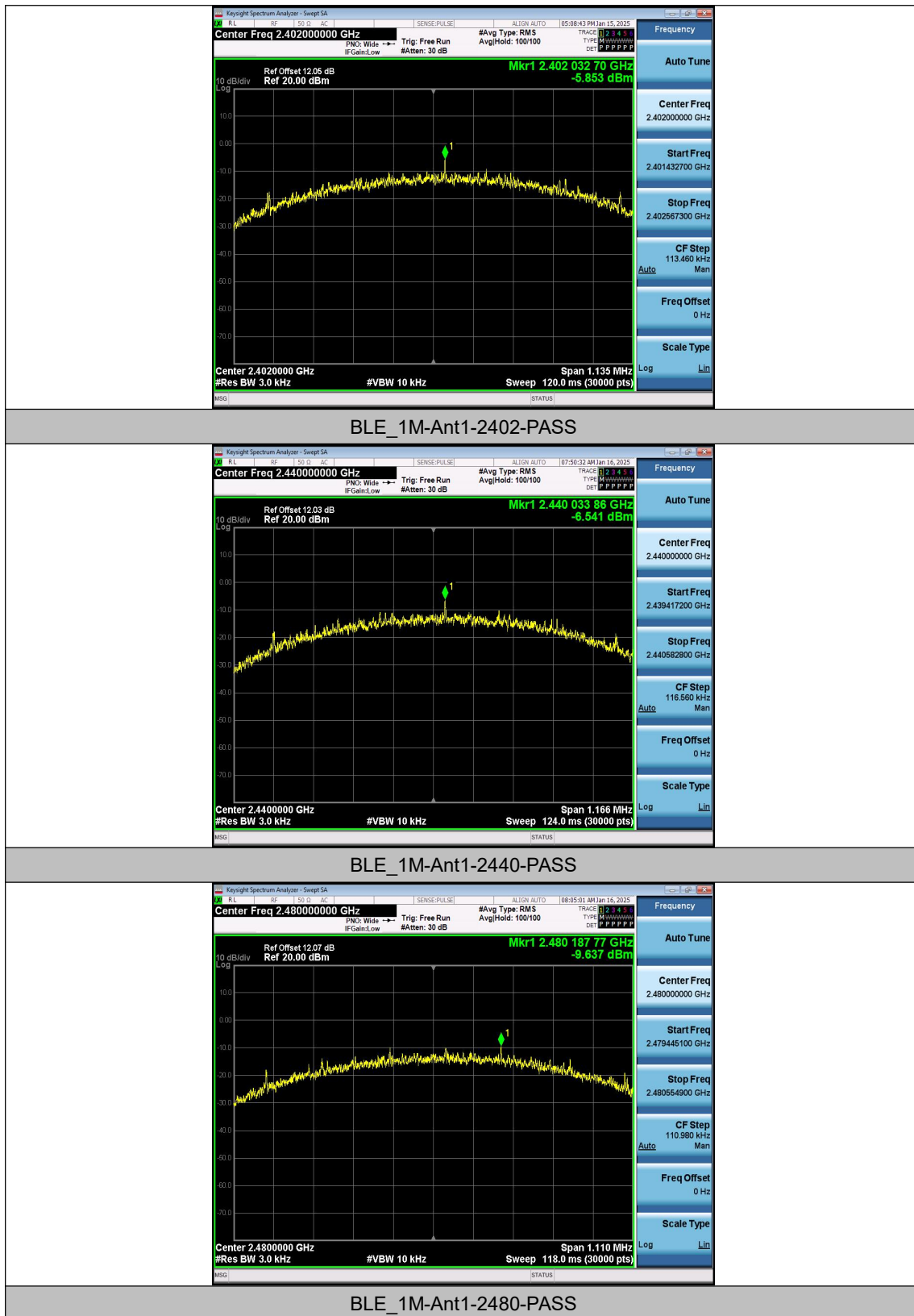


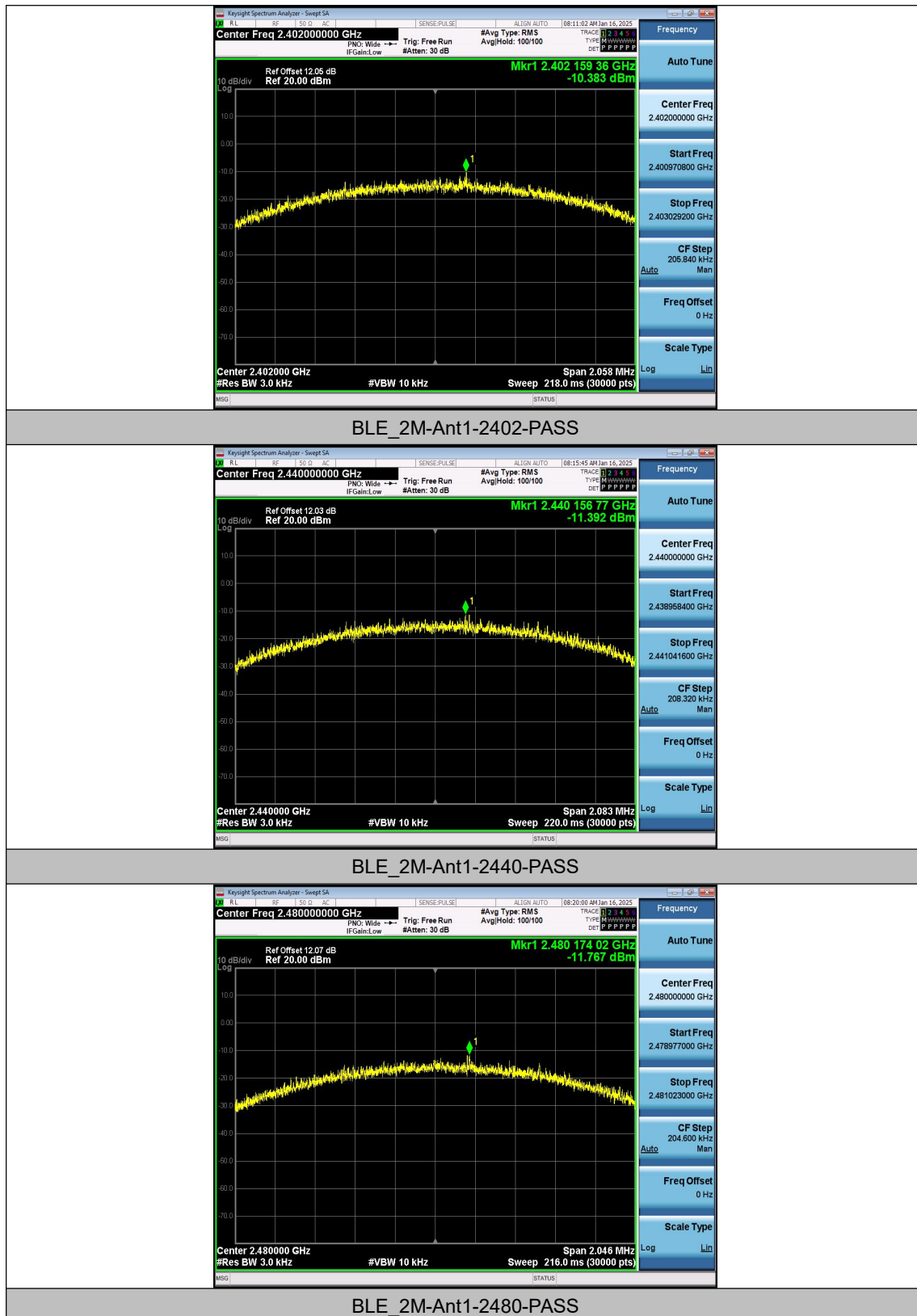
Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.85	≤8.00	PASS
BLE_1M	Ant1	2440	-6.54	≤8.00	PASS
BLE_1M	Ant1	2480	-9.64	≤8.00	PASS
BLE_2M	Ant1	2402	-10.38	≤8.00	PASS
BLE_2M	Ant1	2440	-11.39	≤8.00	PASS
BLE_2M	Ant1	2480	-11.77	≤8.00	PASS

Test Graphs



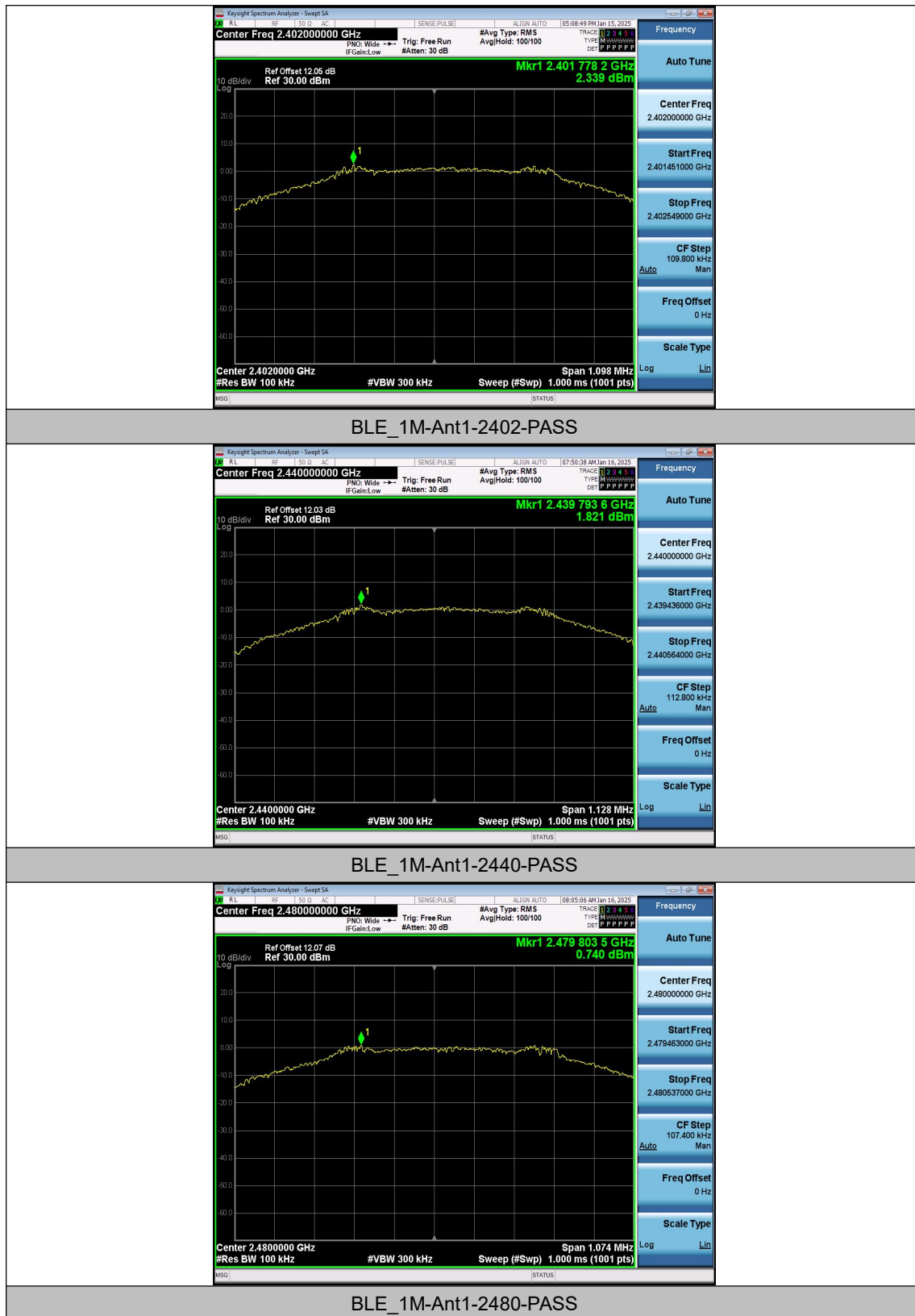


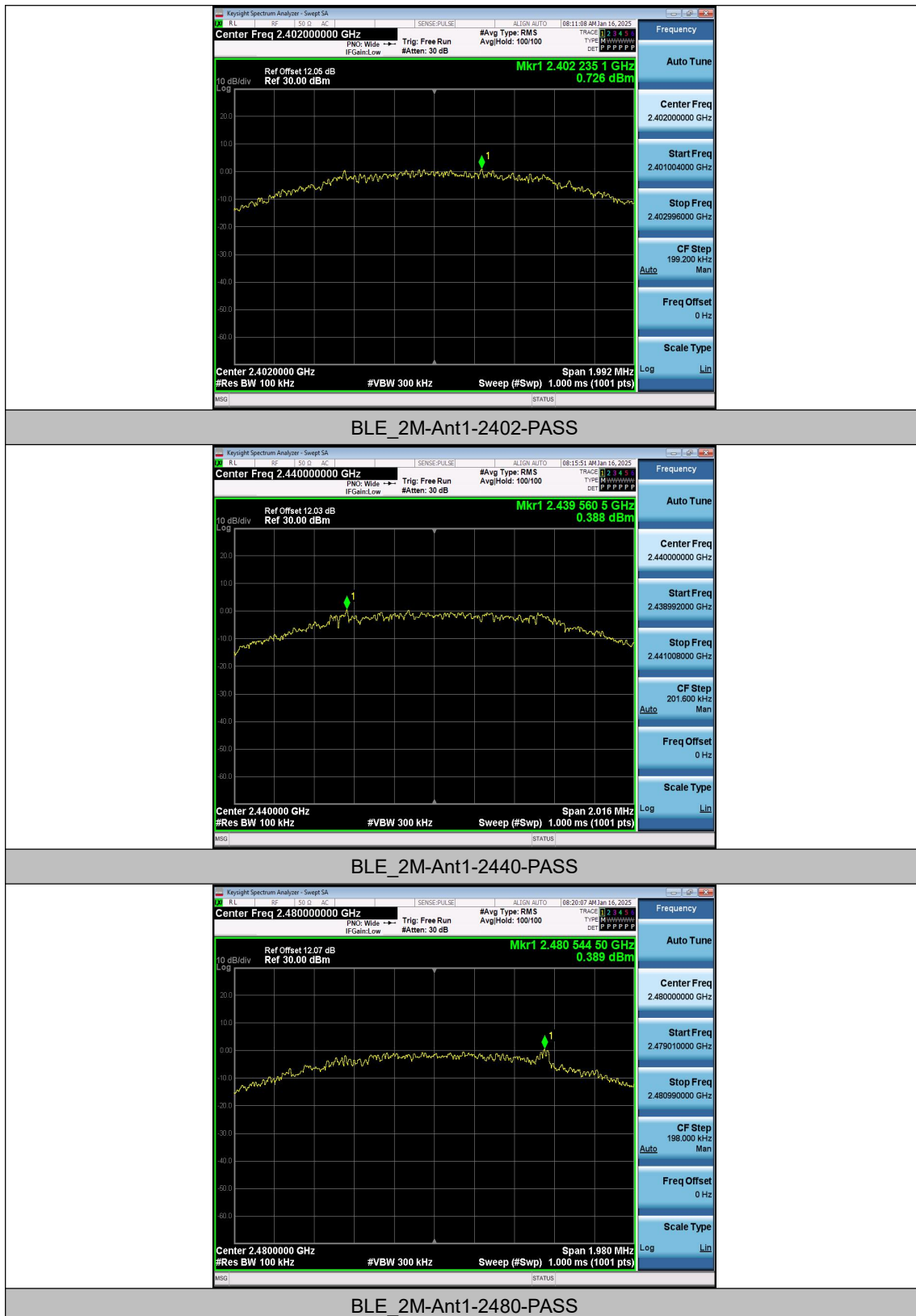
Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.78	2.34
BLE_1M	Ant1	2440	2439.79	1.82
BLE_1M	Ant1	2480	2479.80	0.74
BLE_2M	Ant1	2402	2402.24	0.73
BLE_2M	Ant1	2440	2439.56	0.39
BLE_2M	Ant1	2480	2480.54	0.39

Test Graphs





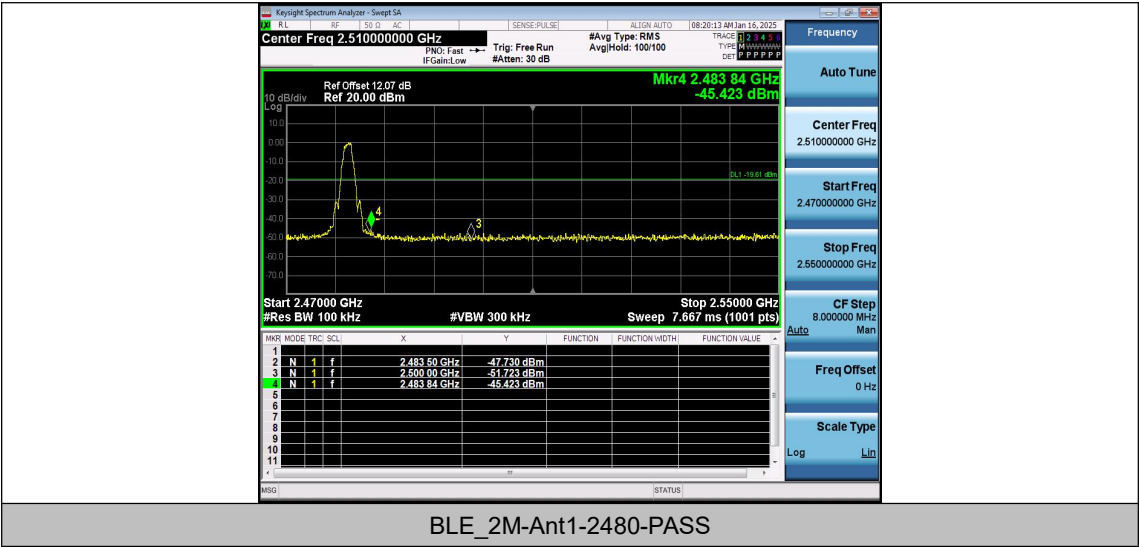
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.34	-45.54	≤-17.66	PASS
BLE_1M	Ant1	High	2480	0.74	-46.81	≤-19.26	PASS
BLE_2M	Ant1	Low	2402	0.73	-32.68	≤-19.27	PASS
BLE_2M	Ant1	High	2480	0.39	-45.42	≤-19.61	PASS

Test Graphs





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	2.34	-58.78	≤-17.66	PASS
BLE_1M	Ant1	2402	1000~26500	2.34	-44.2	≤-17.66	PASS
BLE_1M	Ant1	2440	30~1000	1.82	-58.87	≤-18.18	PASS
BLE_1M	Ant1	2440	1000~26500	1.82	-45.76	≤-18.18	PASS
BLE_1M	Ant1	2480	30~1000	0.74	-58.77	≤-19.26	PASS
BLE_1M	Ant1	2480	1000~26500	0.74	-42.27	≤-19.26	PASS
BLE_2M	Ant1	2402	30~1000	0.73	-58.49	≤-19.27	PASS
BLE_2M	Ant1	2402	1000~26500	0.73	-43.79	≤-19.27	PASS
BLE_2M	Ant1	2440	30~1000	0.39	-59.5	≤-19.61	PASS
BLE_2M	Ant1	2440	1000~26500	0.39	-44.49	≤-19.61	PASS
BLE_2M	Ant1	2480	30~1000	0.39	-58.56	≤-19.61	PASS
BLE_2M	Ant1	2480	1000~26500	0.39	-44.32	≤-19.61	PASS

Test Graphs

