

Appendix for Bluetooth

Product Name: InstadoseVUE

Model No: NEUTRON

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	2401.704	2402.400	0.5	PASS
BLE_1M	Ant1	2440	0.716	2439.696	2440.412	0.5	PASS
BLE_1M	Ant1	2480	0.704	2479.692	2480.396	0.5	PASS
BLE_2M	Ant1	2402	1.372	2401.340	2402.712	0.5	PASS
BLE_2M	Ant1	2440	1.356	2439.316	2440.672	0.5	PASS
BLE_2M	Ant1	2480	1.388	2479.320	2480.708	0.5	PASS

Test Graphs



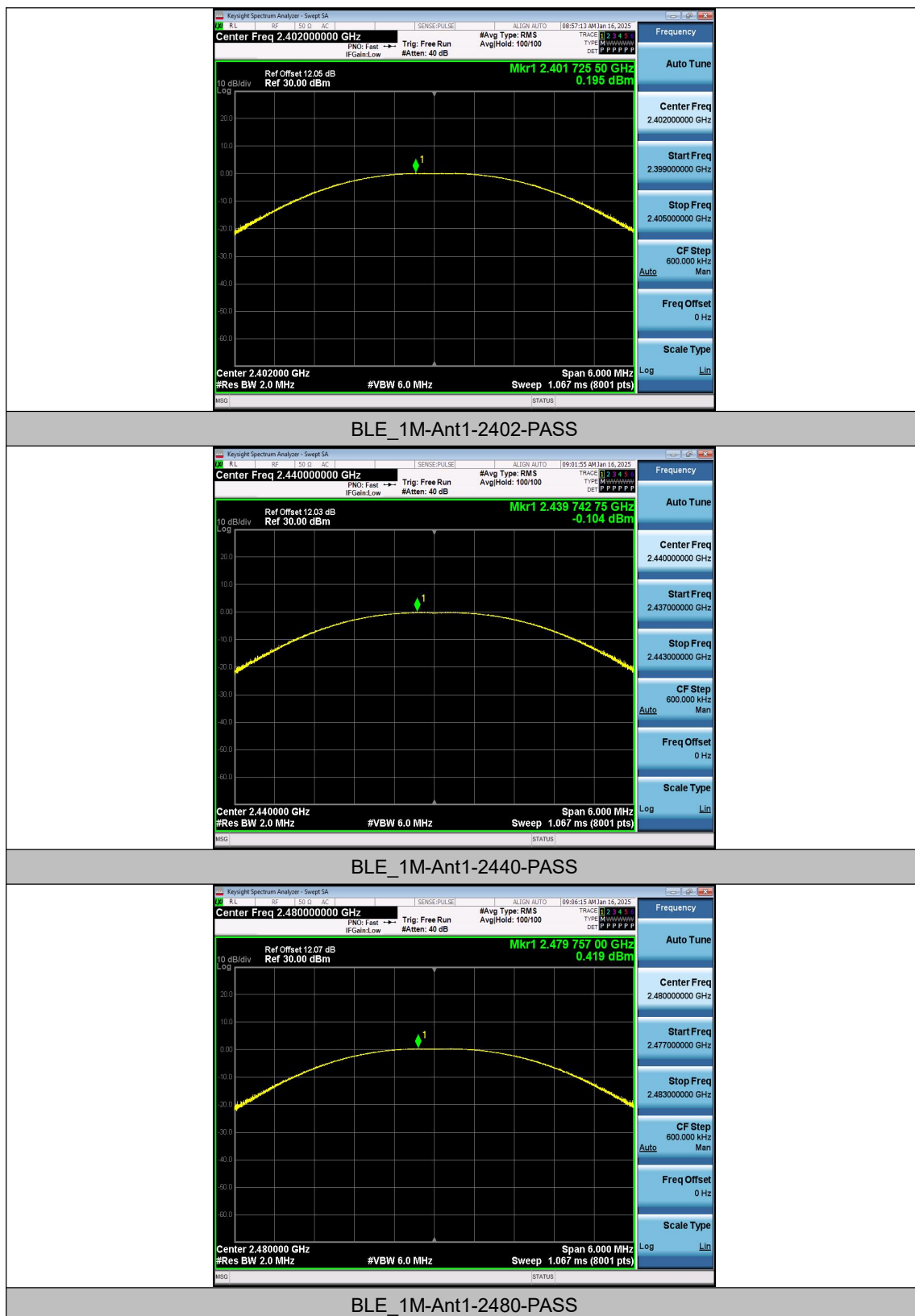


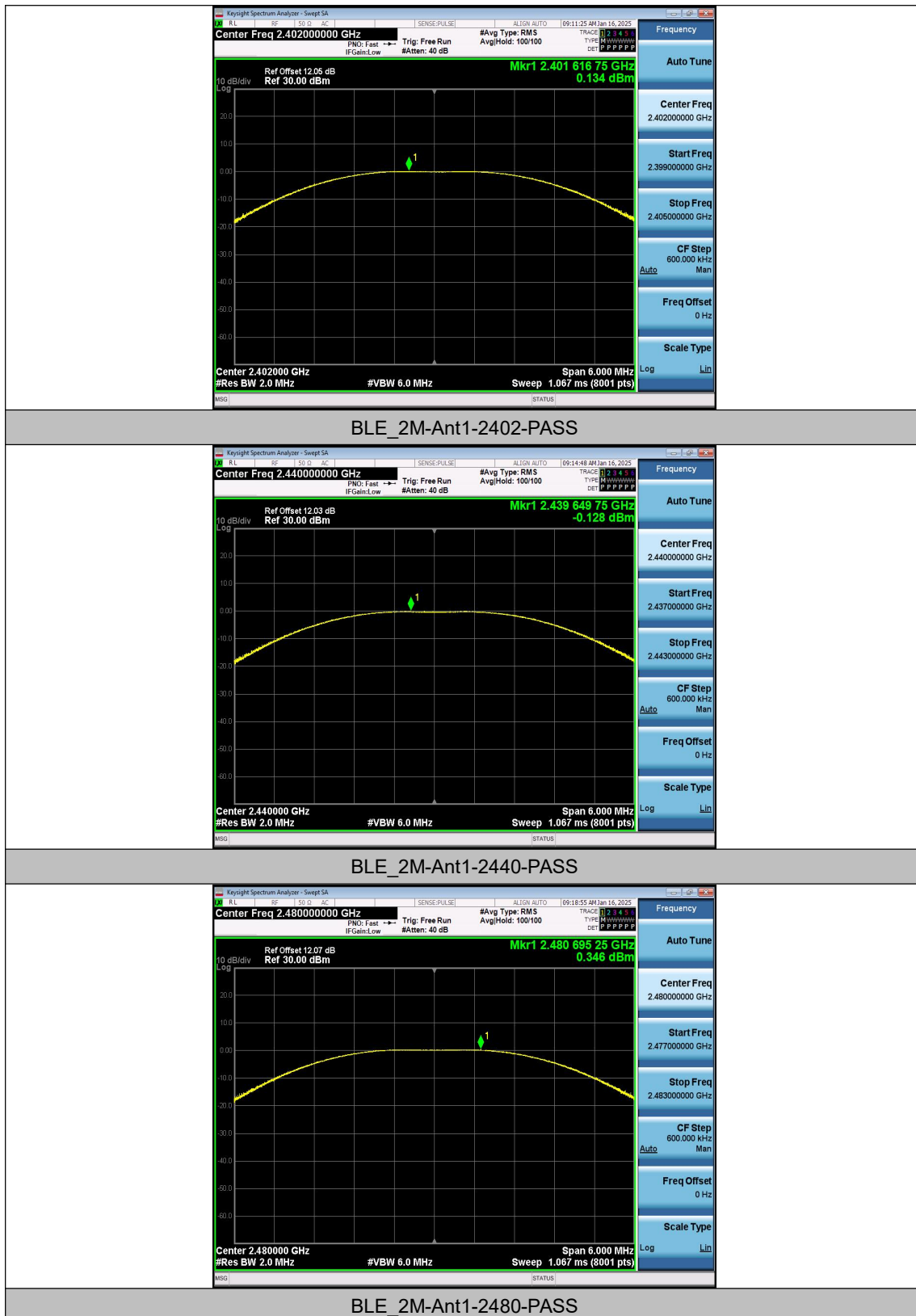
Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.20	≤30	PASS
BLE_1M	Ant1	2440	-0.10	≤30	PASS
BLE_1M	Ant1	2480	0.42	≤30	PASS
BLE_2M	Ant1	2402	0.13	≤30	PASS
BLE_2M	Ant1	2440	-0.13	≤30	PASS
BLE_2M	Ant1	2480	0.35	≤30	PASS

Test Graphs Peak



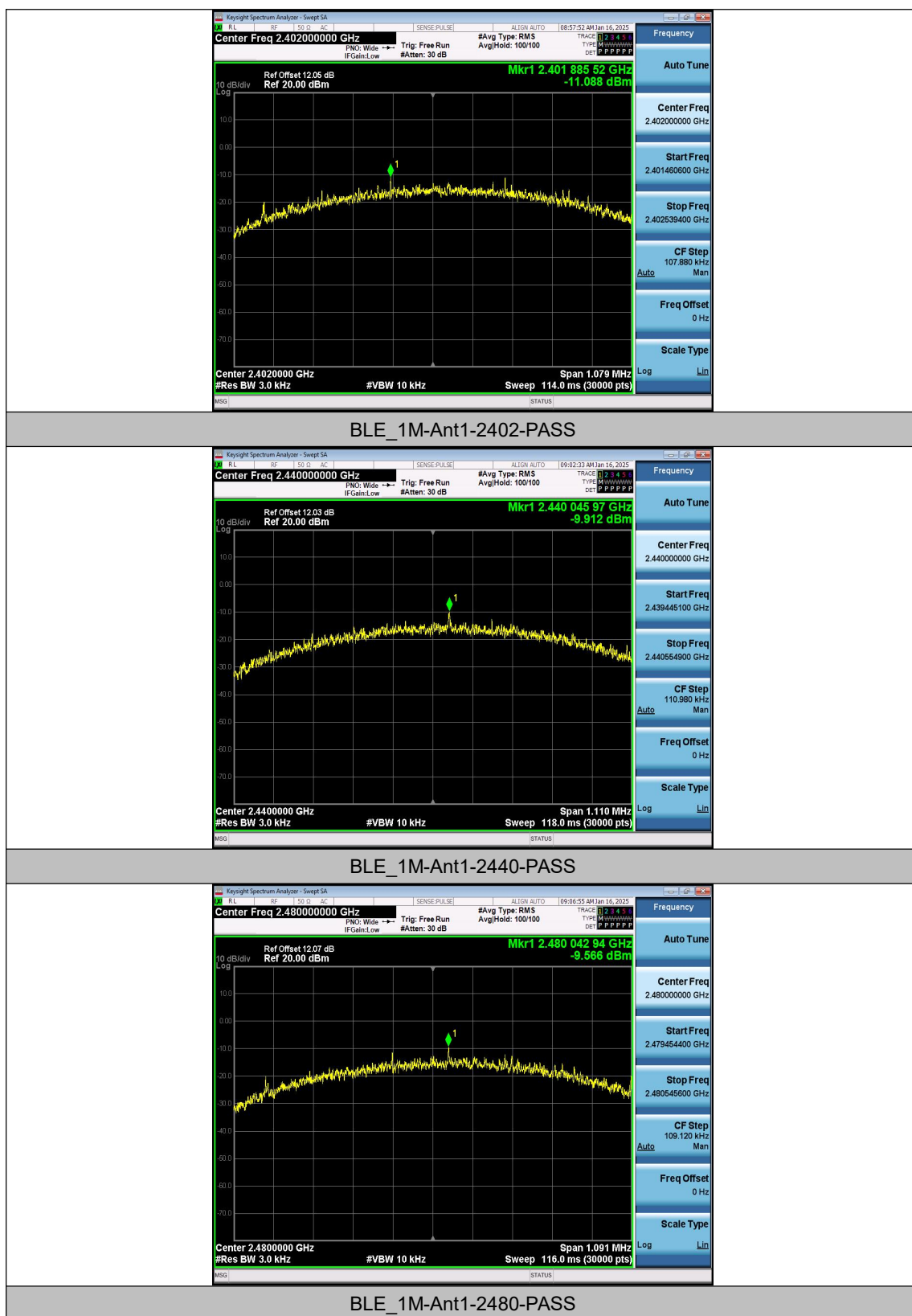


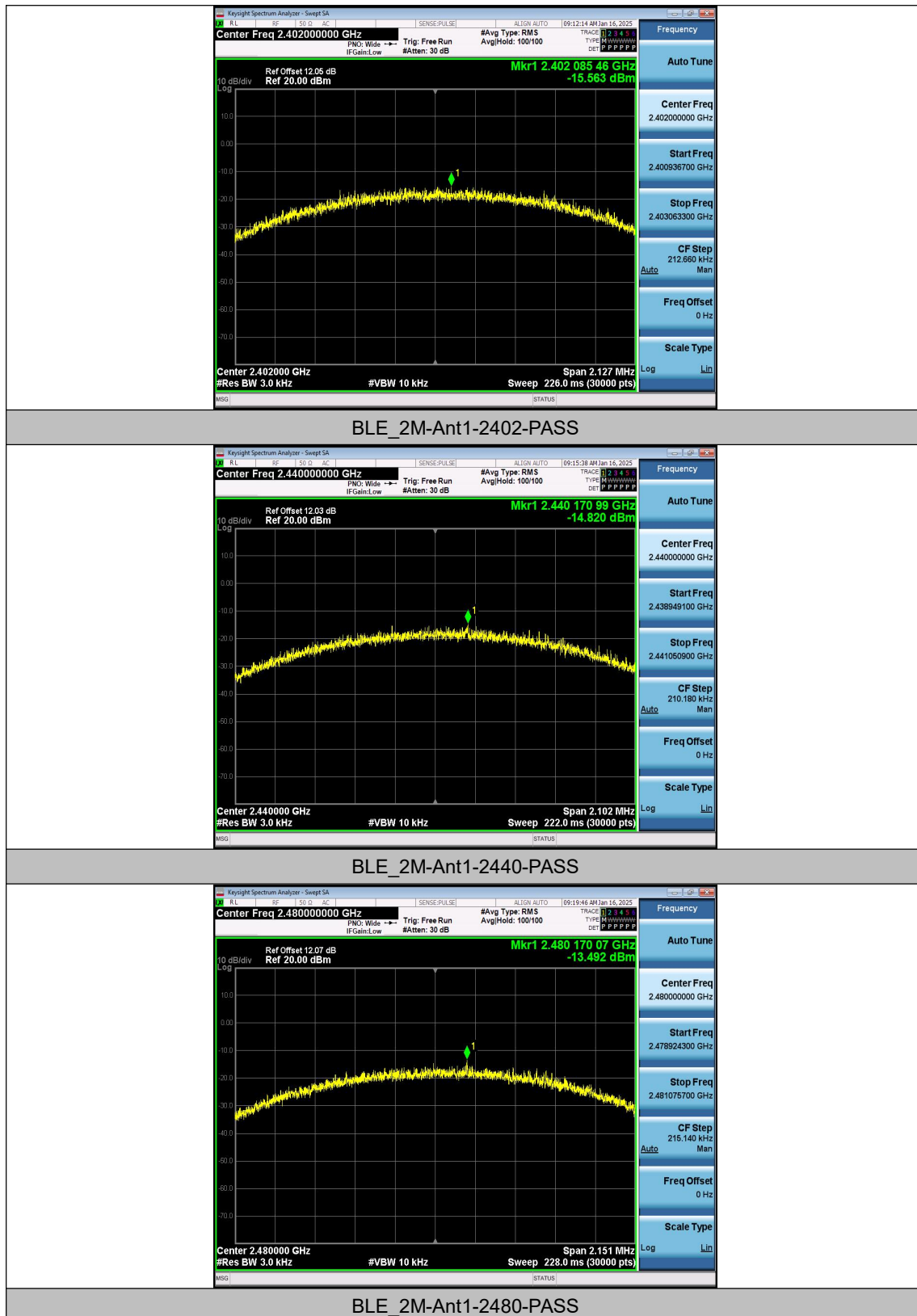
Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.09	≤8.00	PASS
BLE_1M	Ant1	2440	-9.91	≤8.00	PASS
BLE_1M	Ant1	2480	-9.57	≤8.00	PASS
BLE_2M	Ant1	2402	-15.56	≤8.00	PASS
BLE_2M	Ant1	2440	-14.82	≤8.00	PASS
BLE_2M	Ant1	2480	-13.49	≤8.00	PASS

Test Graphs



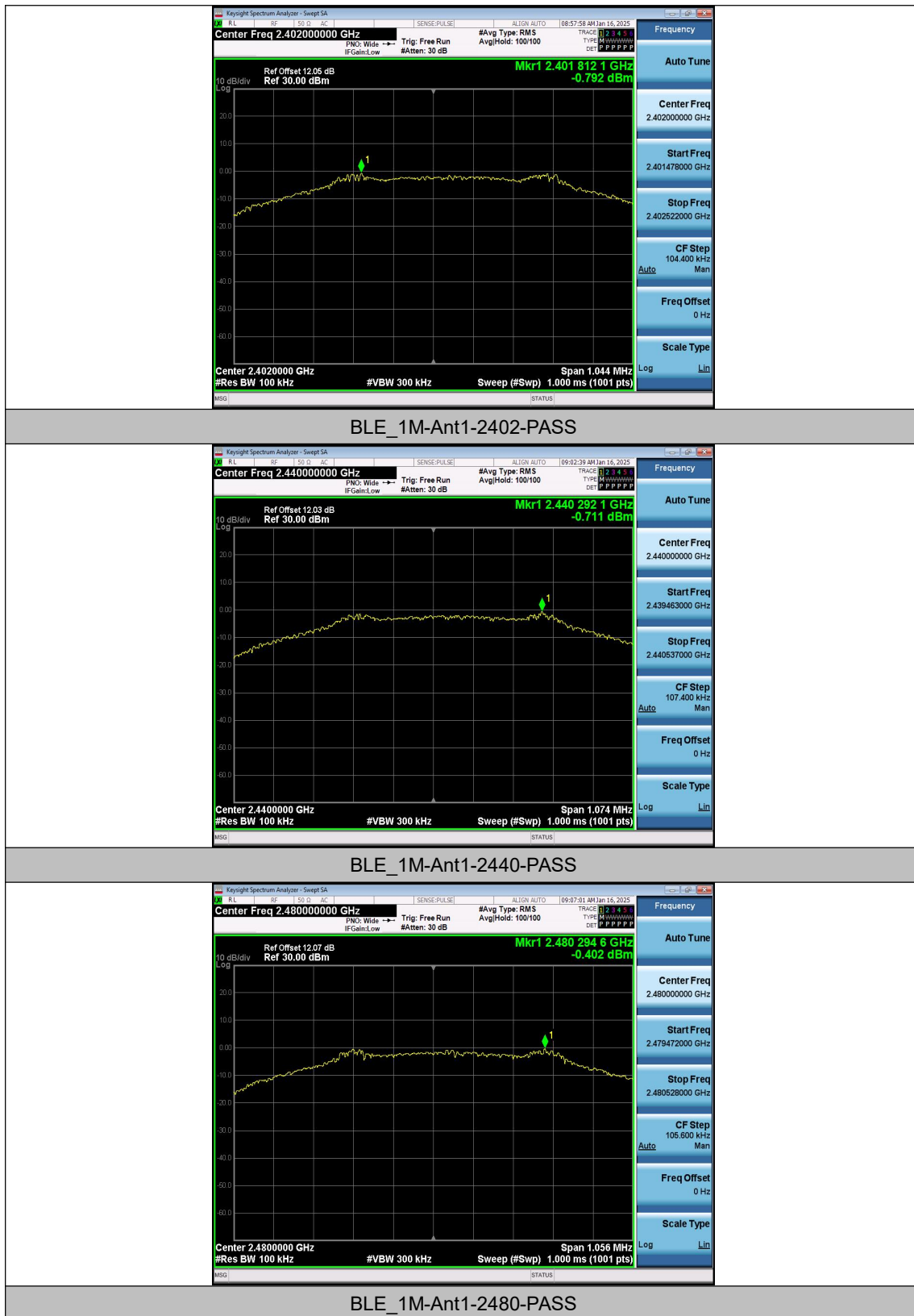


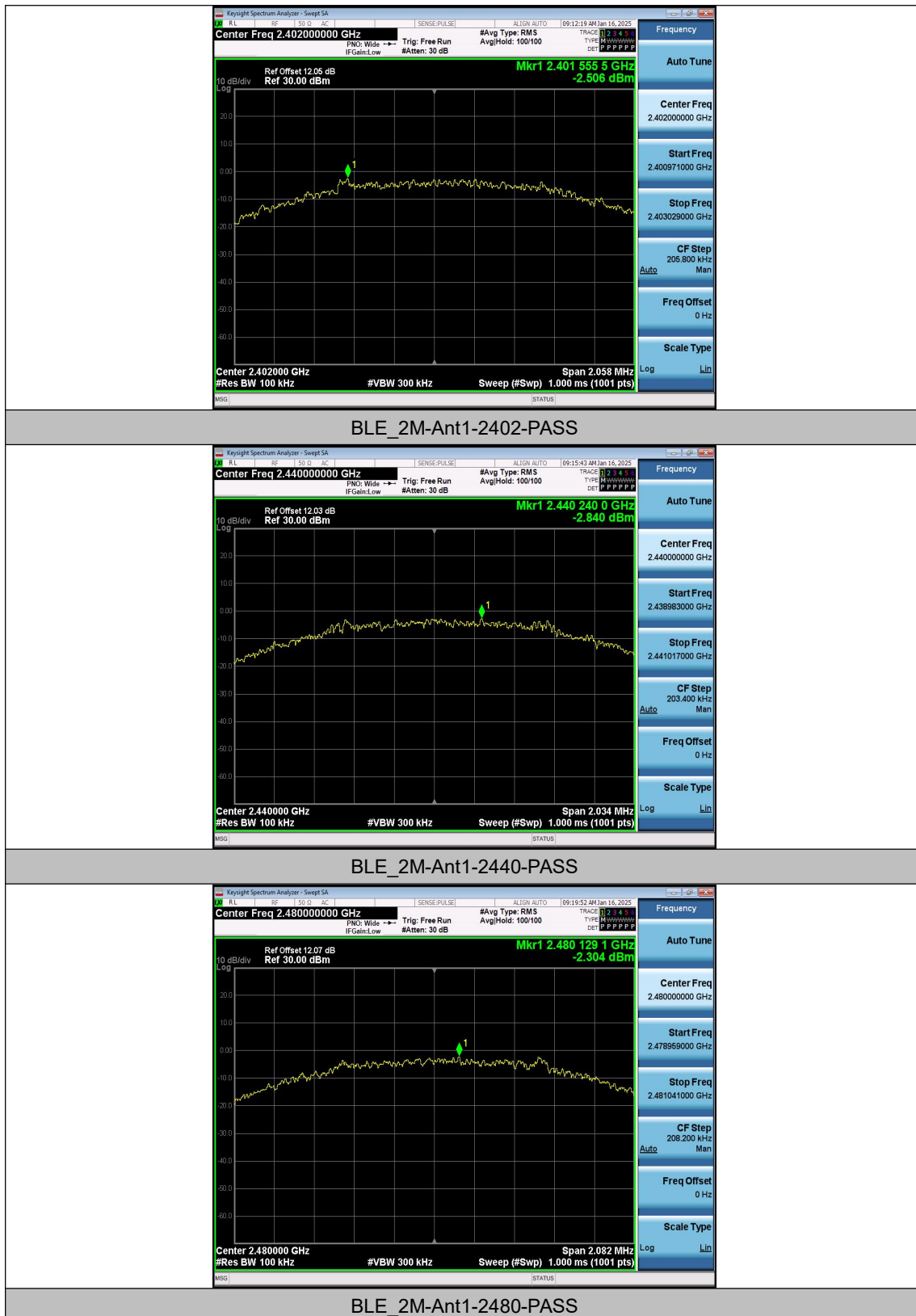
Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.81	-0.79
BLE_1M	Ant1	2440	2440.29	-0.71
BLE_1M	Ant1	2480	2480.29	-0.40
BLE_2M	Ant1	2402	2401.56	-2.51
BLE_2M	Ant1	2440	2440.24	-2.84
BLE_2M	Ant1	2480	2480.13	-2.30

Test Graphs



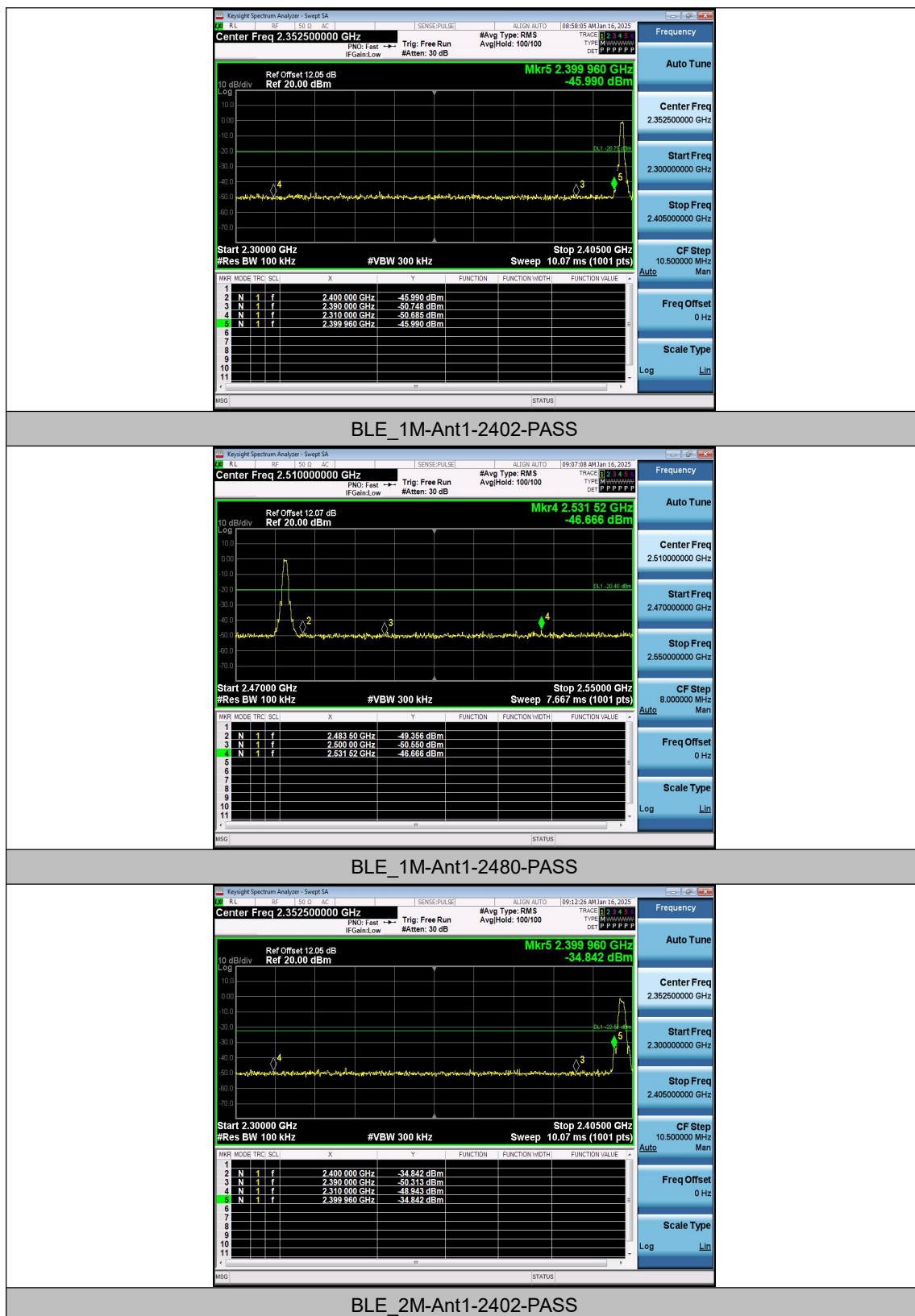


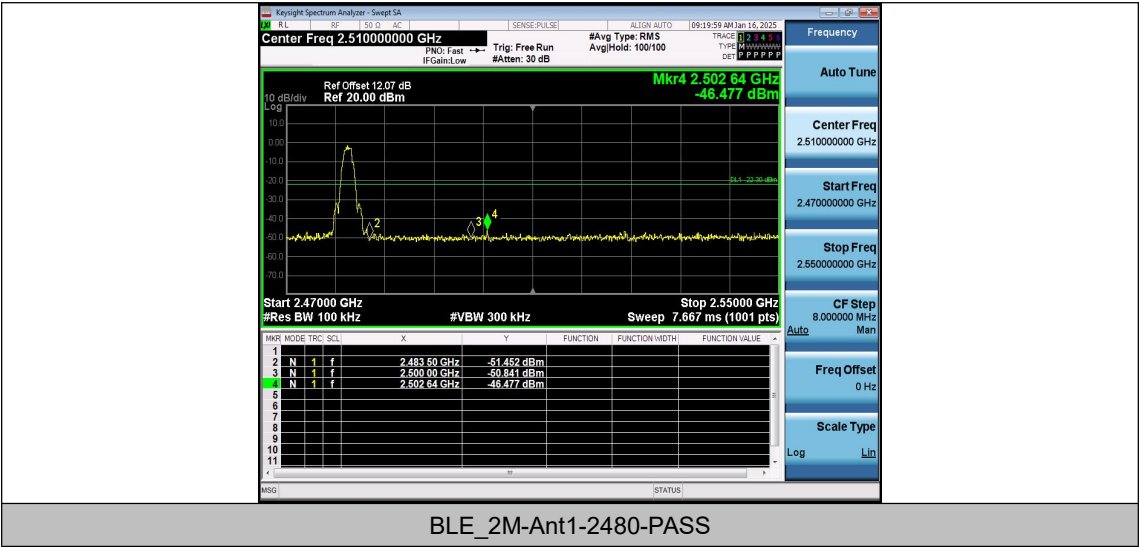
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.79	-45.99	≤-20.79	PASS
BLE_1M	Ant1	High	2480	-0.40	-46.67	≤-20.4	PASS
BLE_2M	Ant1	Low	2402	-2.51	-34.84	≤-22.51	PASS
BLE_2M	Ant1	High	2480	-2.30	-46.48	≤-22.3	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	-0.79	-59.48	≤-20.79	PASS
BLE_1M	Ant1	2402	1000~2650 0	-0.79	-42.91	≤-20.79	PASS
BLE_1M	Ant1	2440	30~1000	-0.71	-59.17	≤-20.71	PASS
BLE_1M	Ant1	2440	1000~2650 0	-0.71	-44.78	≤-20.71	PASS
BLE_1M	Ant1	2480	30~1000	-0.40	-59.26	≤-20.4	PASS
BLE_1M	Ant1	2480	1000~2650 0	-0.40	-44.71	≤-20.4	PASS
BLE_2M	Ant1	2402	30~1000	-2.51	-58.86	≤-22.51	PASS
BLE_2M	Ant1	2402	1000~2650 0	-2.51	-44.05	≤-22.51	PASS
BLE_2M	Ant1	2440	30~1000	-2.84	-58.83	≤-22.84	PASS
BLE_2M	Ant1	2440	1000~2650 0	-2.84	-42.88	≤-22.84	PASS
BLE_2M	Ant1	2480	30~1000	-2.30	-59.16	≤-22.3	PASS
BLE_2M	Ant1	2480	1000~2650 0	-2.30	-44.29	≤-22.3	PASS

Test Graphs

