

Appendix for Bluetooth BLE mode

Product Name: InTOUCH04A-AllyW

Model No: InAIO040A

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.724	2401.644	2402.368	0.5	PASS
BLE_1M	Ant1	2440	0.660	2439.672	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.684	2479.660	2480.344	0.5	PASS

Test Graphs

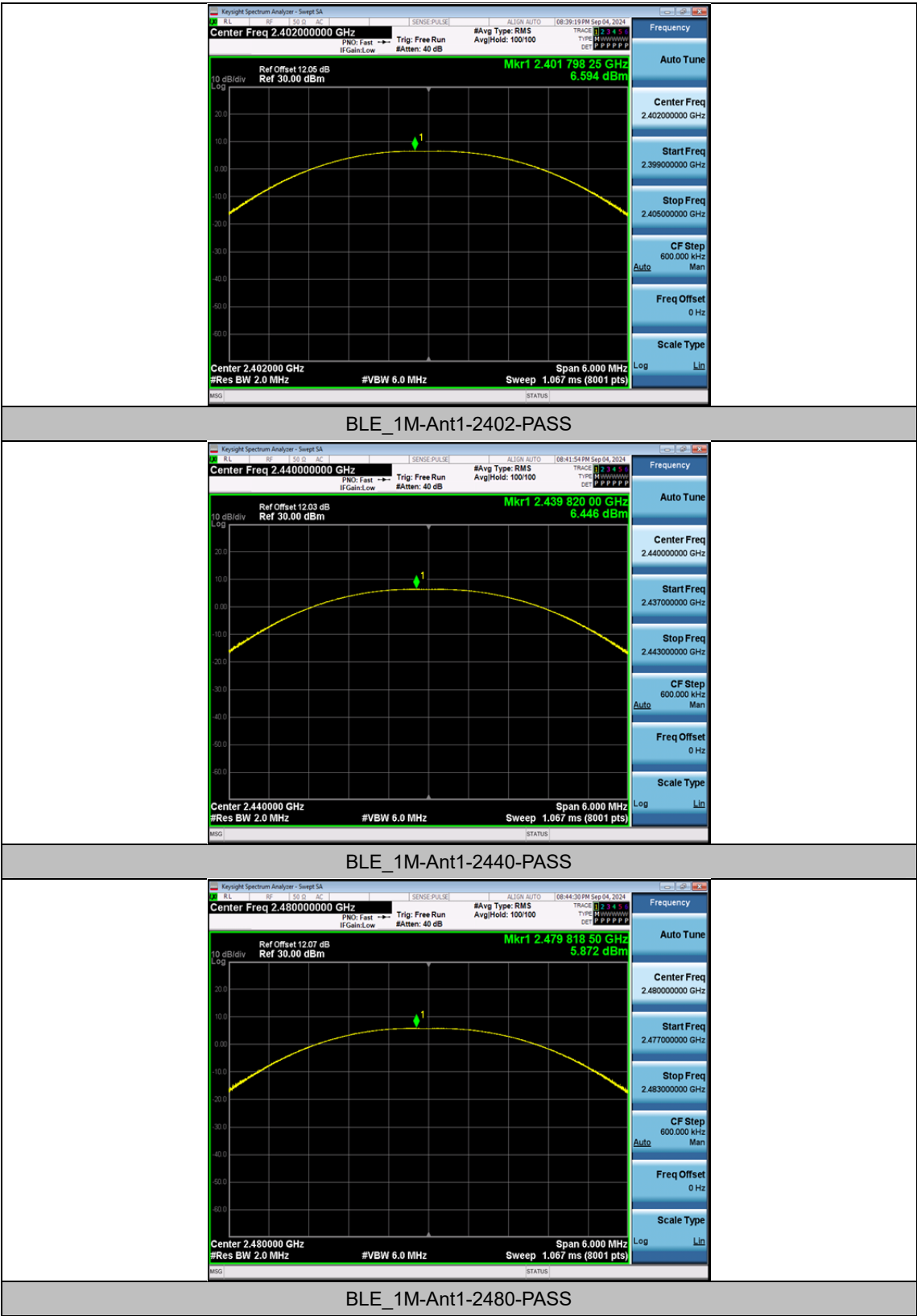


Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.59	≤30	PASS
BLE_1M	Ant1	2440	6.45	≤30	PASS
BLE_1M	Ant1	2480	5.87	≤30	PASS

Test Graphs Peak

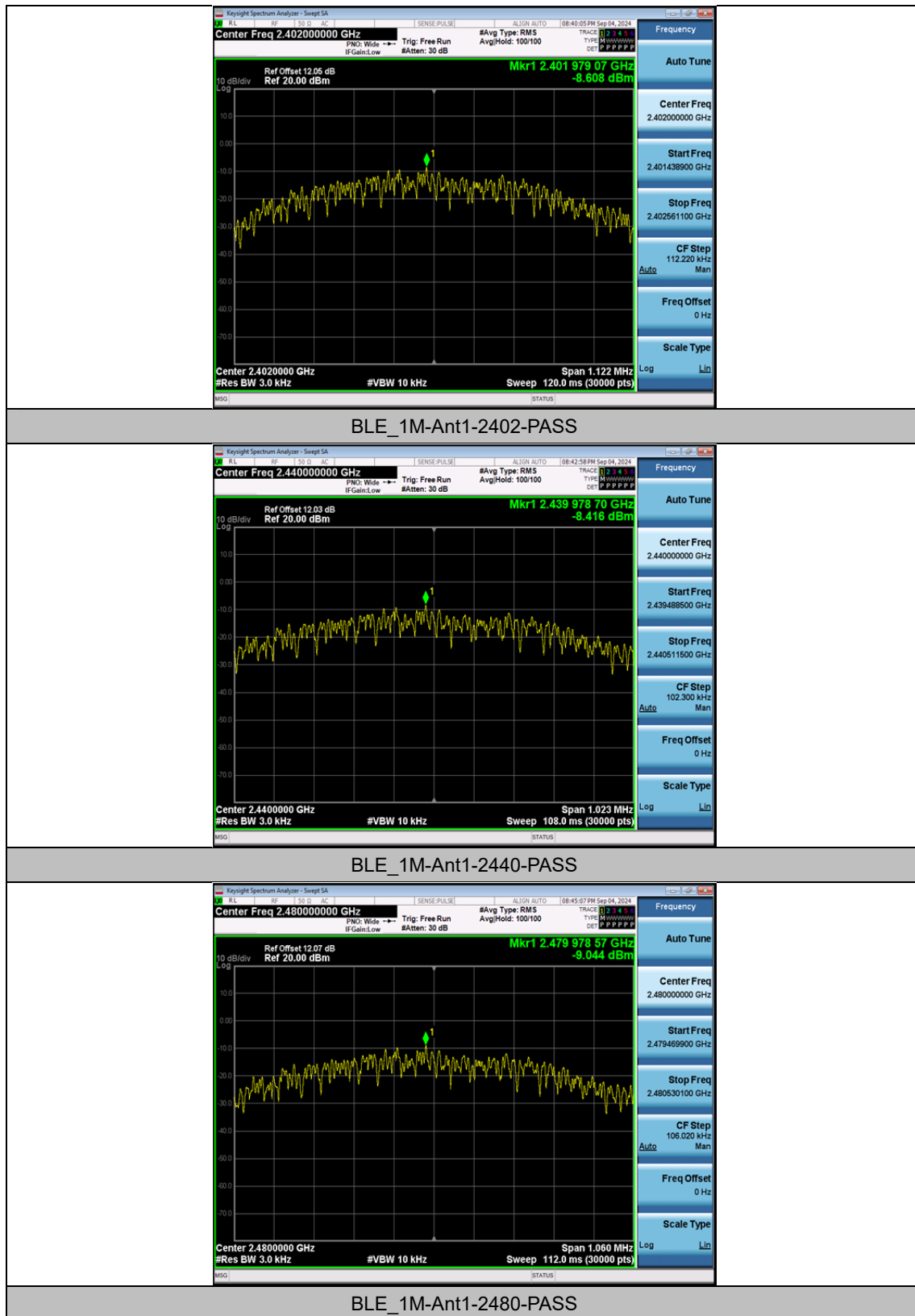


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.61	≤8.00	PASS
BLE_1M	Ant1	2440	-8.42	≤8.00	PASS
BLE_1M	Ant1	2480	-9.04	≤8.00	PASS

Test Graphs

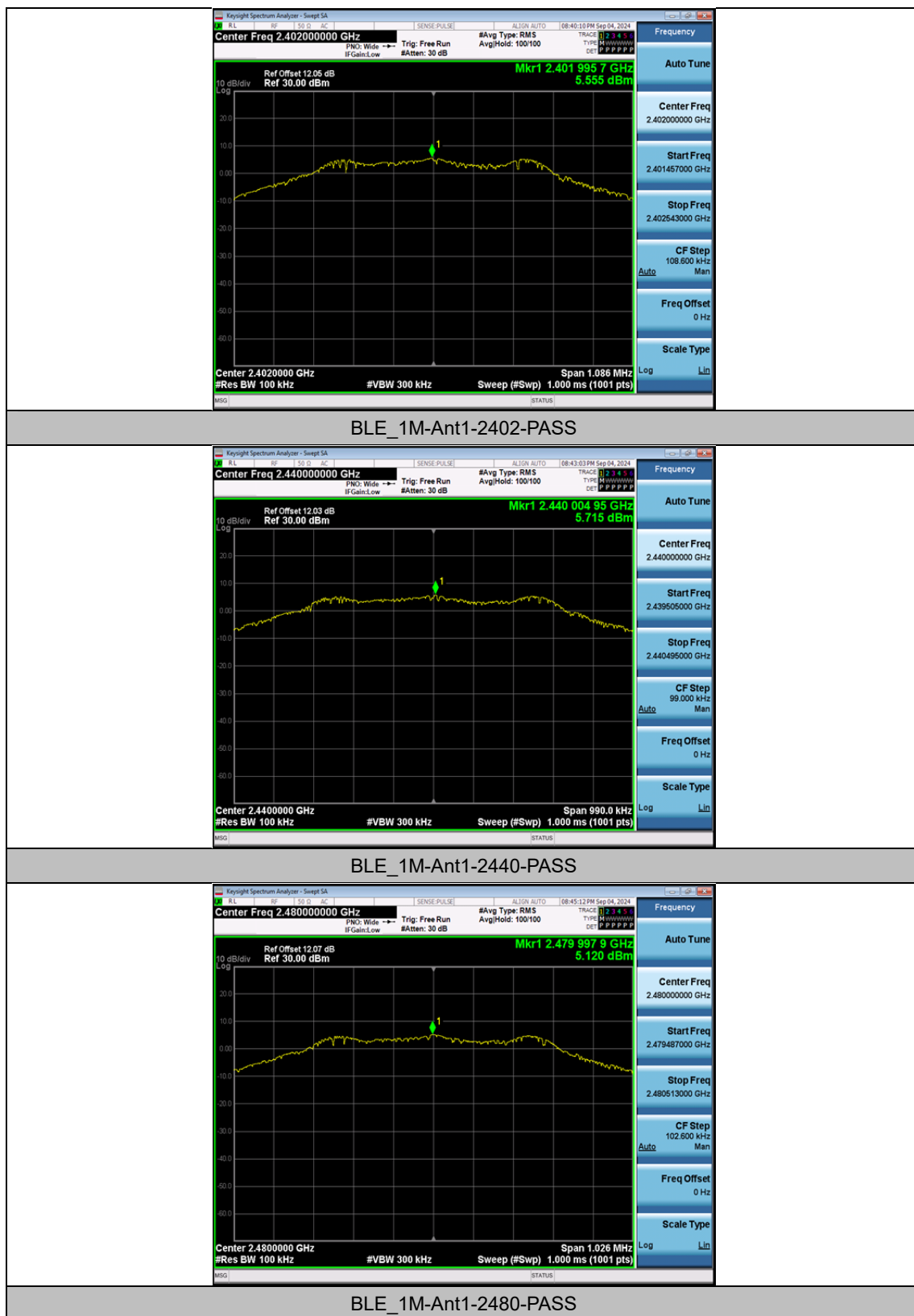


Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2402.00	5.56
BLE_1M	Ant1	2440	2440.00	5.72
BLE_1M	Ant1	2480	2480.00	5.12

Test Graphs

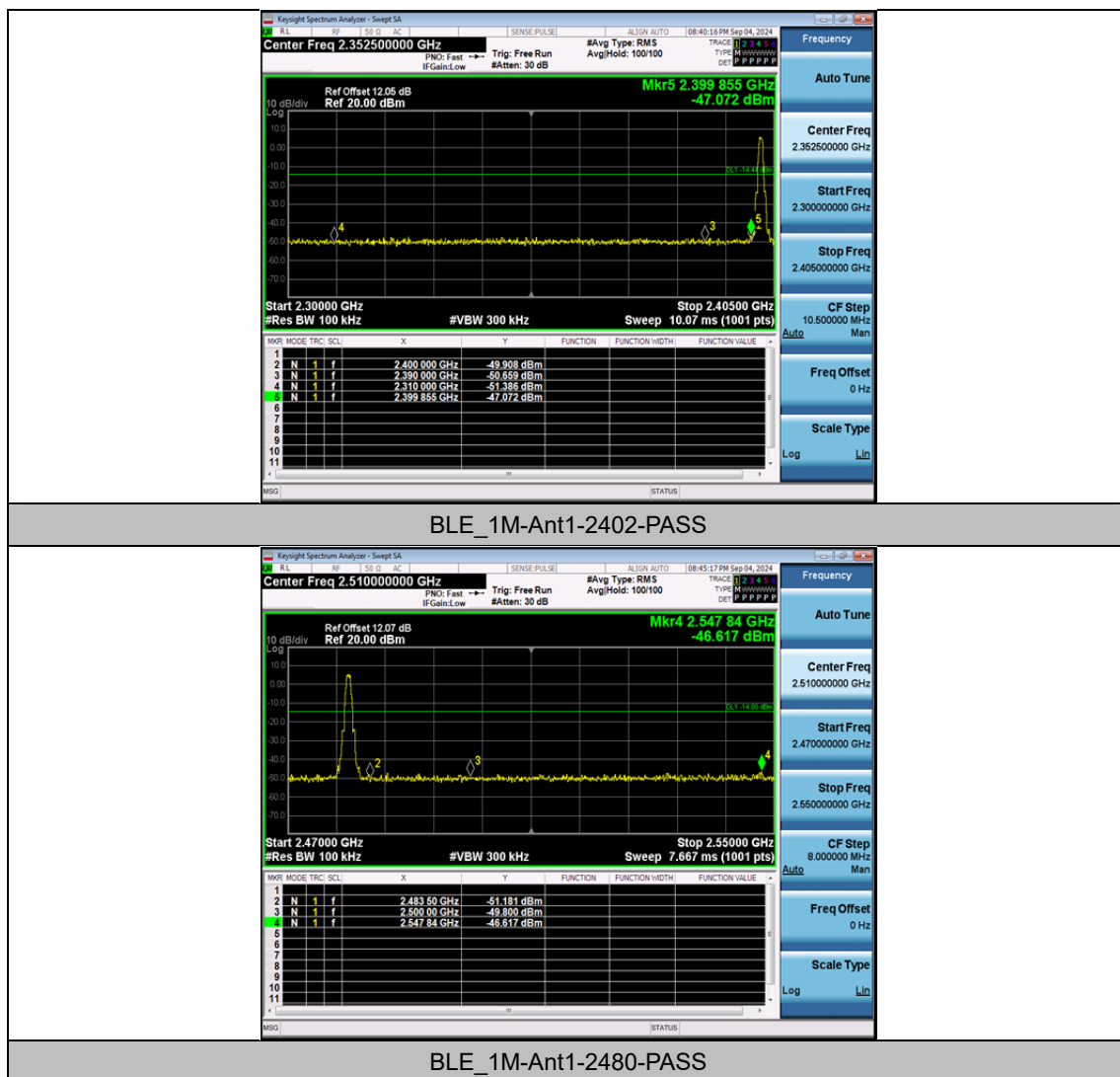


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	5.56	-47.07	≤-14.44	PASS
BLE_1M	Ant1	High	2480	5.12	-46.62	≤-14.88	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	5.56	-58.68	≤-14.44	PASS
BLE_1M	Ant1	2402	1000~2650 0	5.56	-43.71	≤-14.44	PASS
BLE_1M	Ant1	2440	30~1000	5.72	-59.44	≤-14.28	PASS
BLE_1M	Ant1	2440	1000~2650 0	5.72	-44.35	≤-14.28	PASS
BLE_1M	Ant1	2480	30~1000	5.12	-58.8	≤-14.88	PASS
BLE_1M	Ant1	2480	1000~2650 0	5.12	-43.92	≤-14.88	PASS

Test Graphs

