

Appendix for Bluetooth BLE mode

Product Name: InTOUCH07A-AllyW

Model No: InAIO070A

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.648	2402.352	0.5	PASS
BLE_1M	Ant1	2440	0.684	2439.656	2440.340	0.5	PASS
BLE_1M	Ant1	2480	0.676	2479.660	2480.336	0.5	PASS

Test Graphs

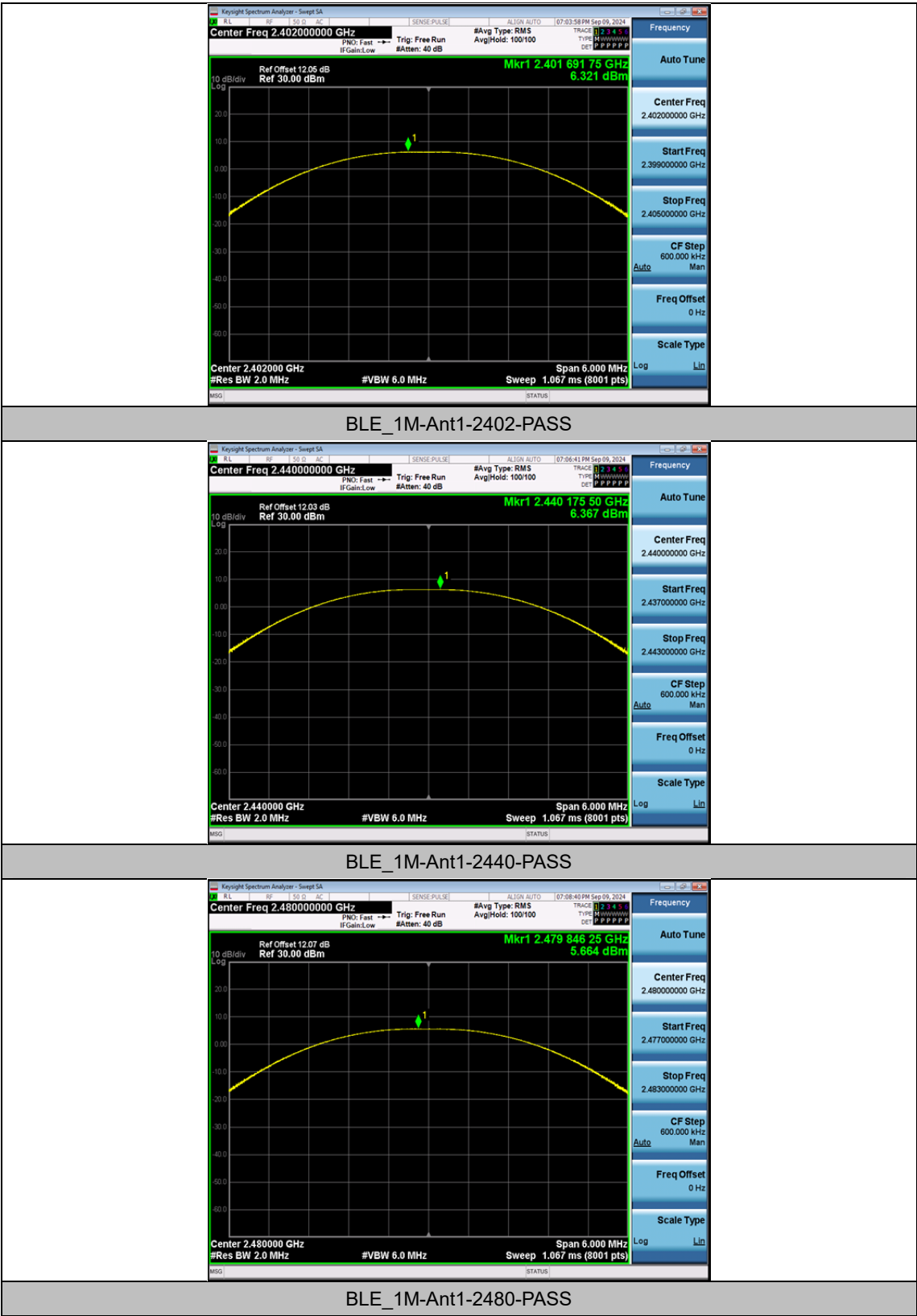


Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.32	≤30	8.94	≤36	PASS
BLE_1M	Ant1	2440	6.37	≤30	8.99	≤36	PASS
BLE_1M	Ant1	2480	5.66	≤30	8.28	≤36	PASS

Test Graphs Peak

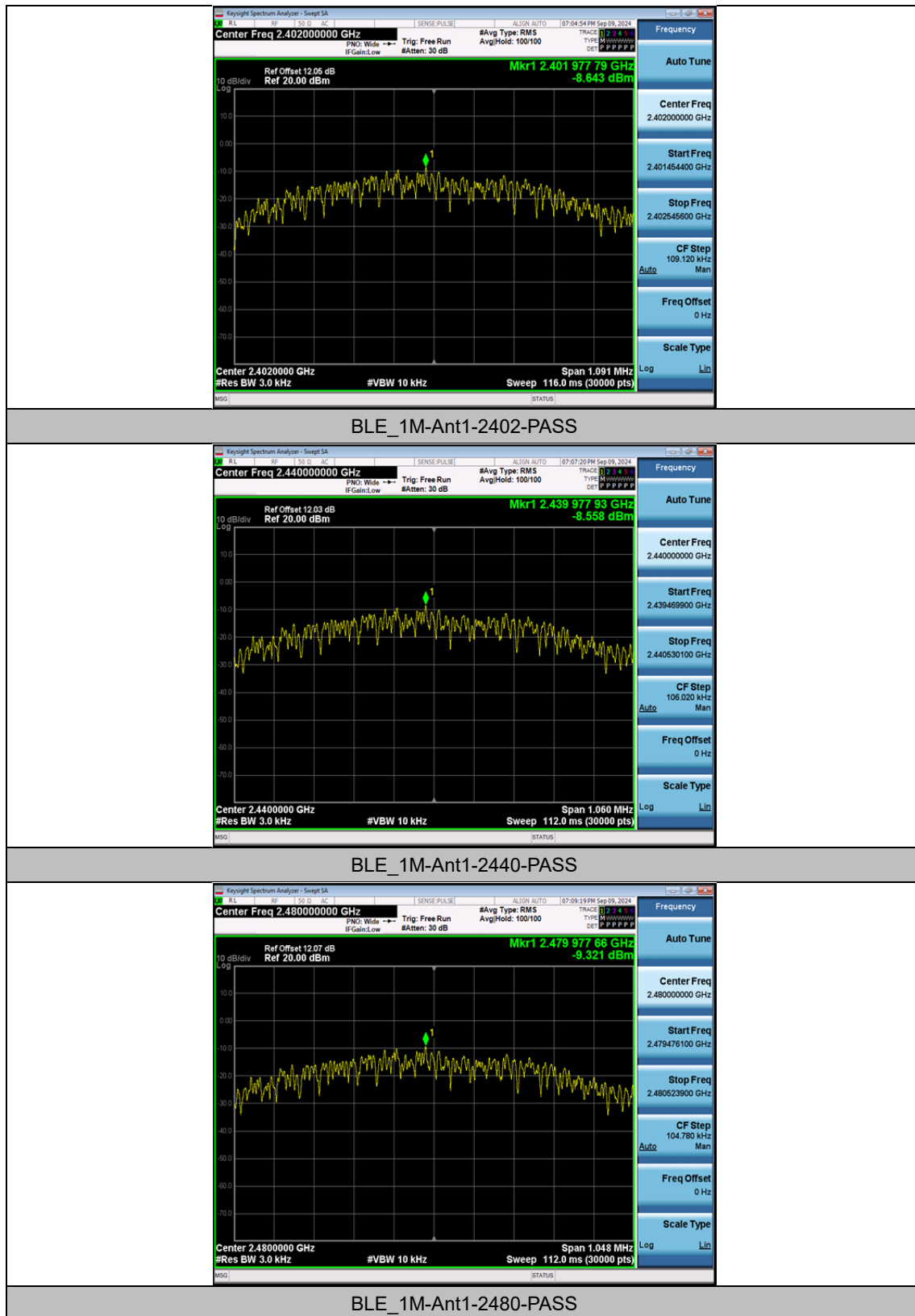


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.64	≤8.00	PASS
BLE_1M	Ant1	2440	-8.56	≤8.00	PASS
BLE_1M	Ant1	2480	-9.32	≤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	2439.99	5.62
BLE_1M	Ant1	2480	2480.00	4.88

Test Graphs

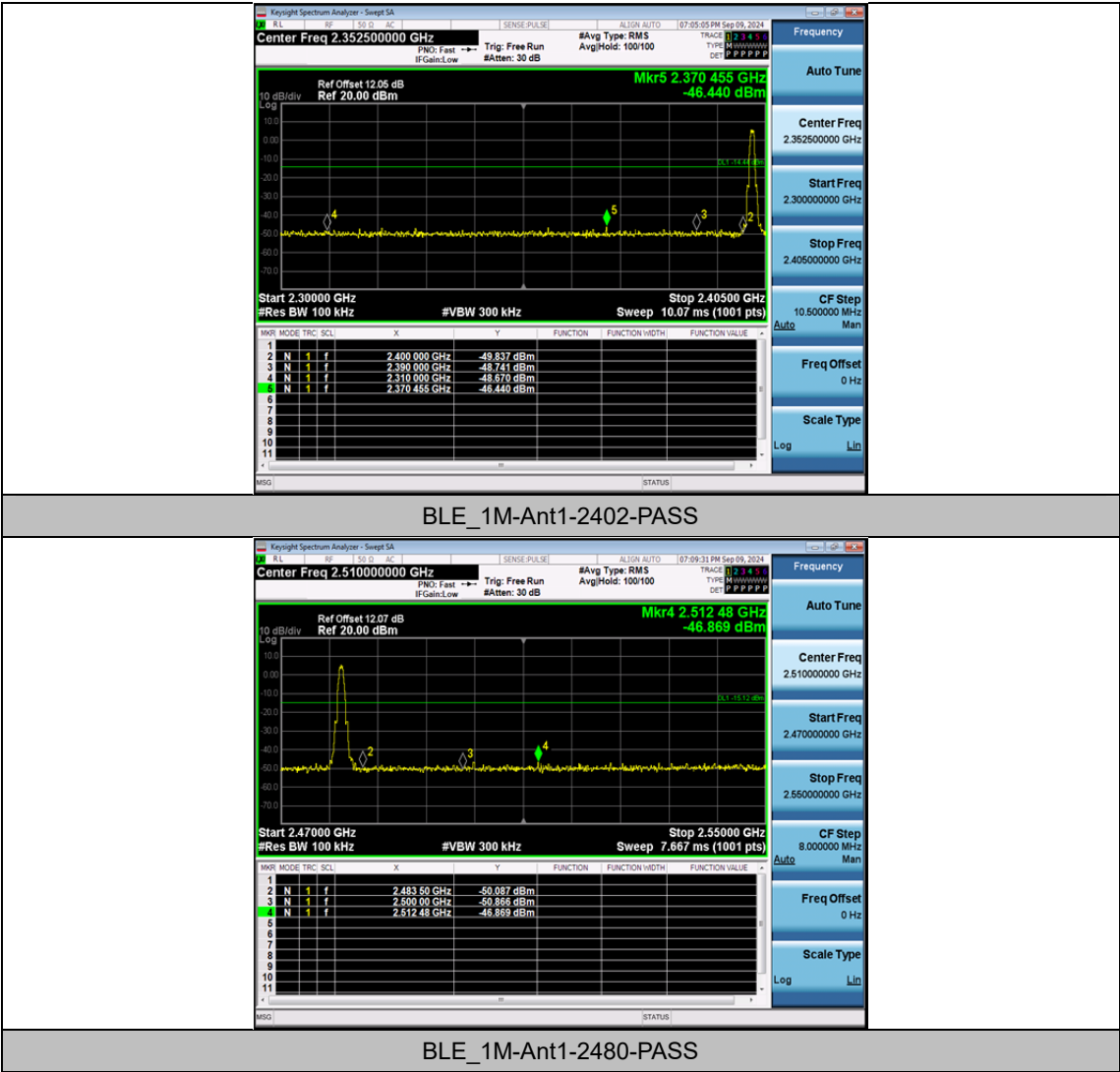


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.56	-46.44	≤-14.44	PASS
BLE_1M	Ant1	High	2480	4.88	-46.87	≤-15.12	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

TestMod e	Antenn a	Frequency[MHz]	FreqRange [MHz]	RefLeve l [dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	2402	30~1000	5.56	-51.81	≤-14.44	PASS
BLE_1M	Ant1	2402	1000~2650 0	5.56	-43.72	≤-14.44	PASS
BLE_1M	Ant1	2440	30~1000	5.62	-58.93	≤-14.38	PASS
BLE_1M	Ant1	2440	1000~2650 0	5.62	-43.73	≤-14.38	PASS
BLE_1M	Ant1	2480	30~1000	4.88	-58.97	≤-15.12	PASS
BLE_1M	Ant1	2480	1000~2650 0	4.88	-43.98	≤-15.12	PASS

Test Graphs

