

Appendix: Bluetooth LE

Contents

Appendix A: DTS Bandwidth..... 3

 Test Result.....3

 Test Graphs.....4

Appendix B: Occupied Channel Bandwidth..... 7

 Test Result.....7

 Test Graphs.....8

Appendix C: Maximum conducted output power..... 11

 Test Result Peak..... 11

 Test Graphs Peak.....12

Appendix D: Maximum power spectral density..... 15

 Test Result.....15

 Test Graphs.....16

Appendix E: Band edge measurements..... 19

 Test Result.....19

 Test Graphs.....20

Appendix F: Conducted Spurious Emission..... 22

 Test Result.....22

 Test Graphs.....23

Appendix G: Duty Cycle.....32

 Test Result.....32

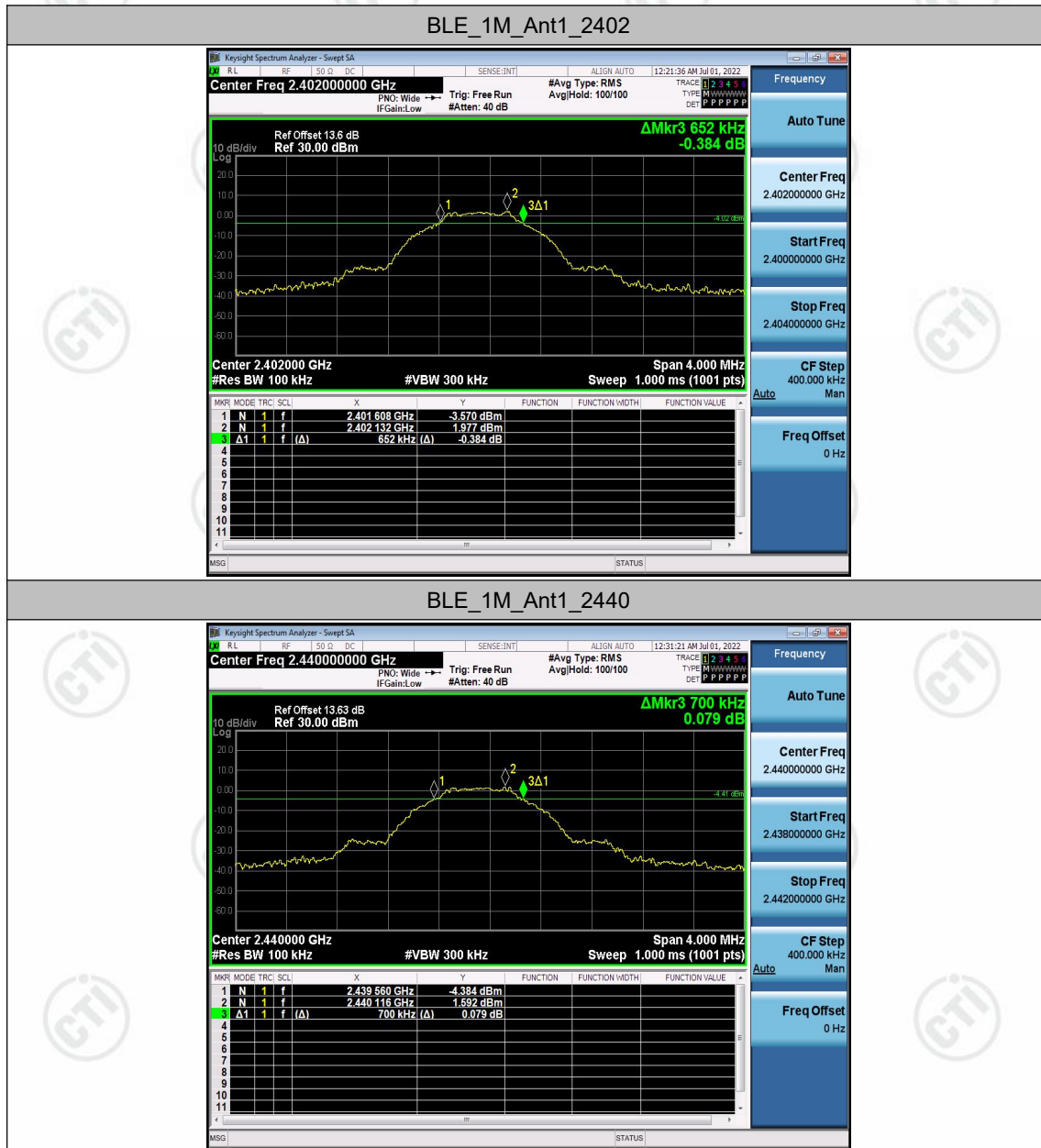
 Test Graphs.....33

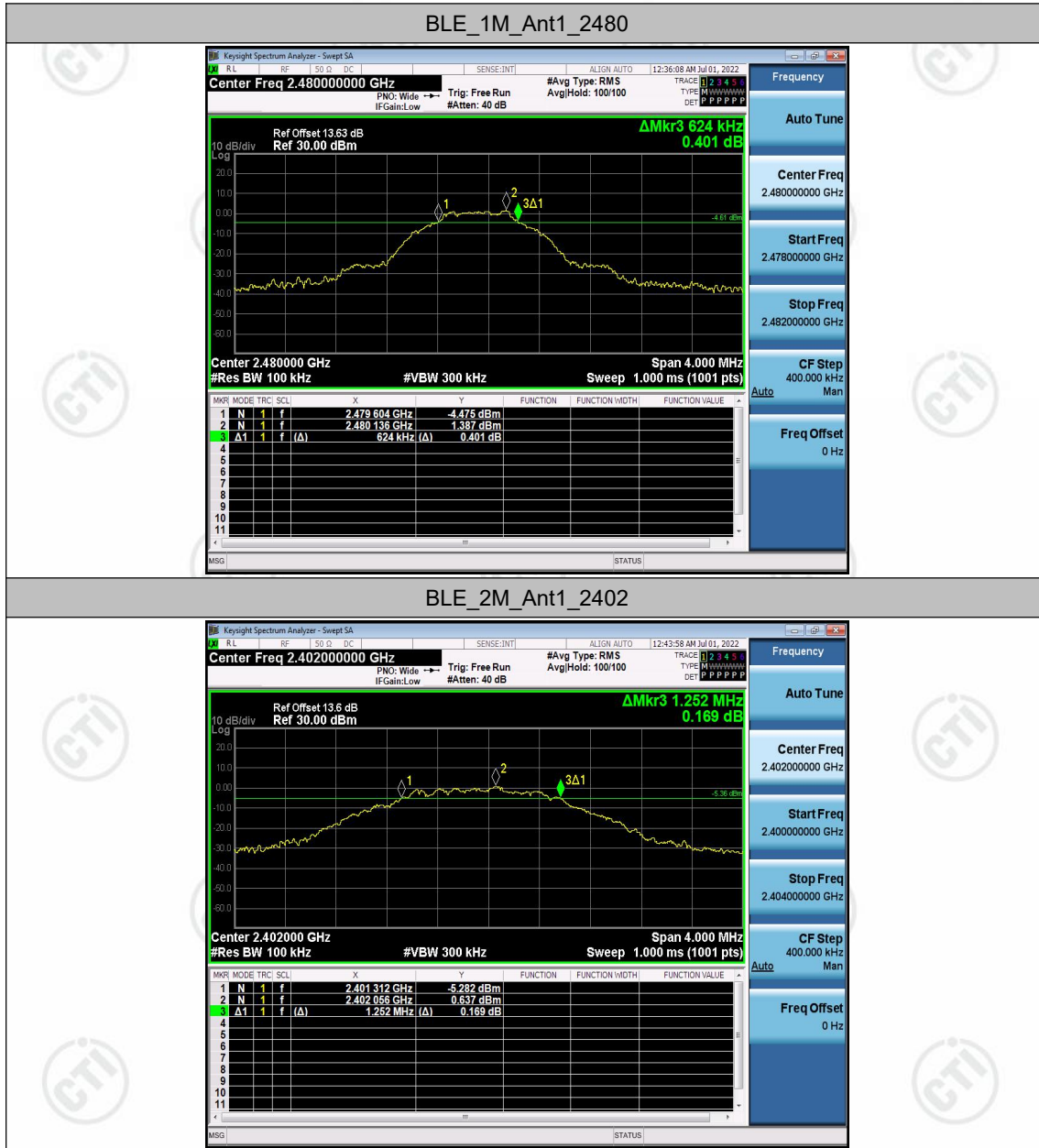
Appendix A: DTS Bandwidth

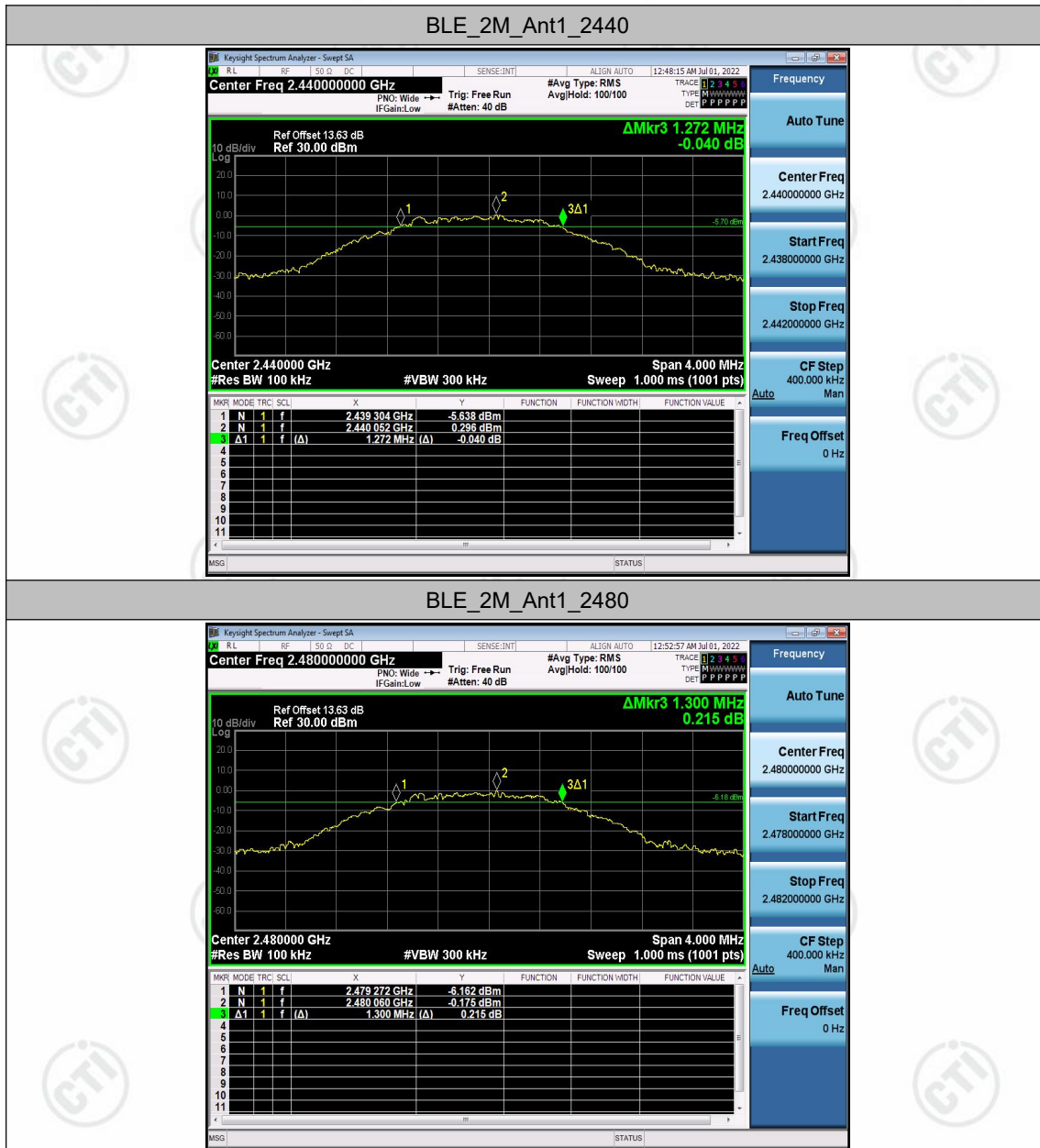
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.652	2401.608	2402.260	0.5	PASS
		2440	0.700	2439.560	2440.260	0.5	PASS
		2480	0.624	2479.604	2480.228	0.5	PASS
BLE_2M	Ant1	2402	1.252	2401.312	2402.564	0.5	PASS
		2440	1.272	2439.304	2440.576	0.5	PASS
		2480	1.300	2479.272	2480.572	0.5	PASS

Test Graphs





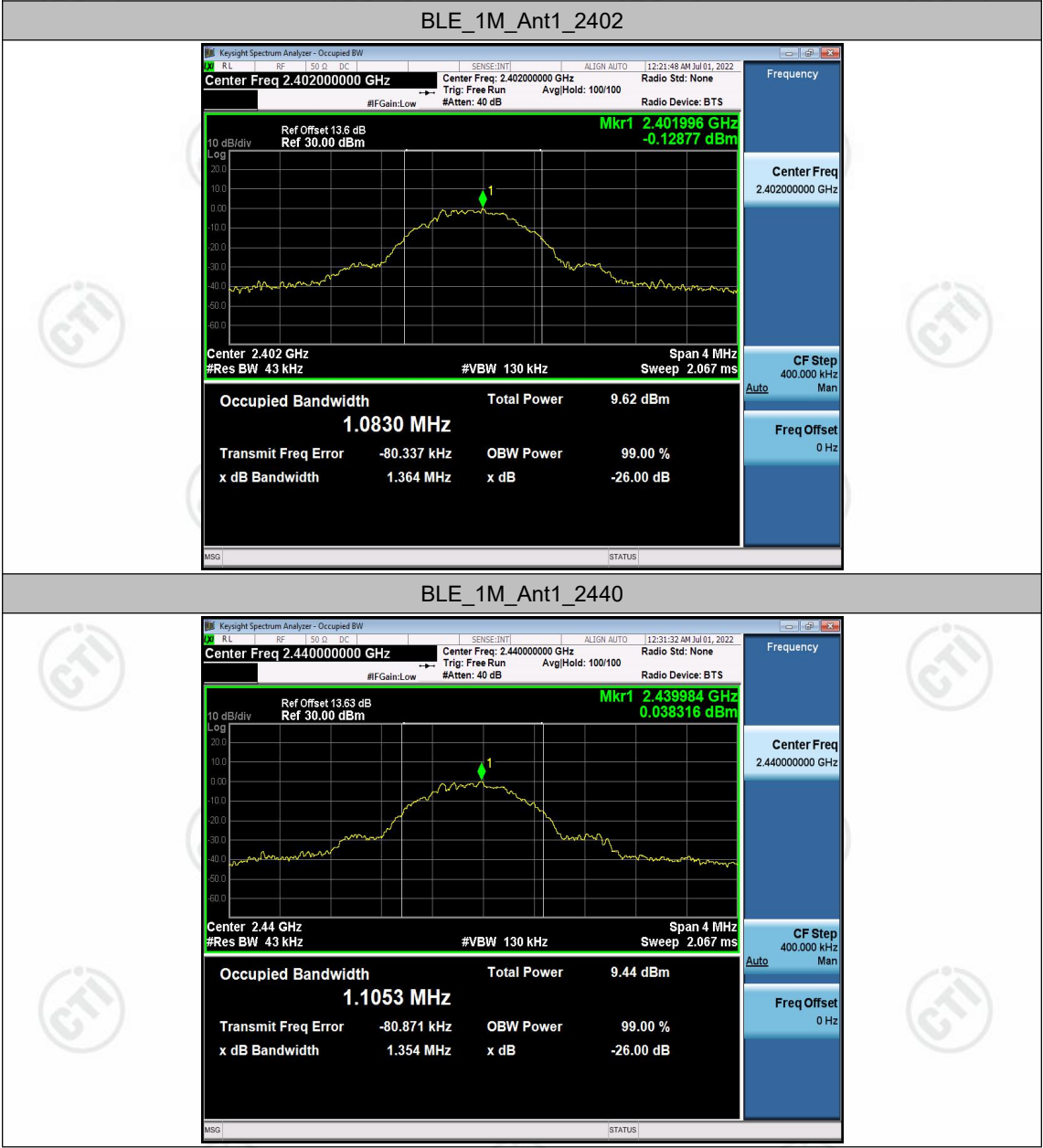


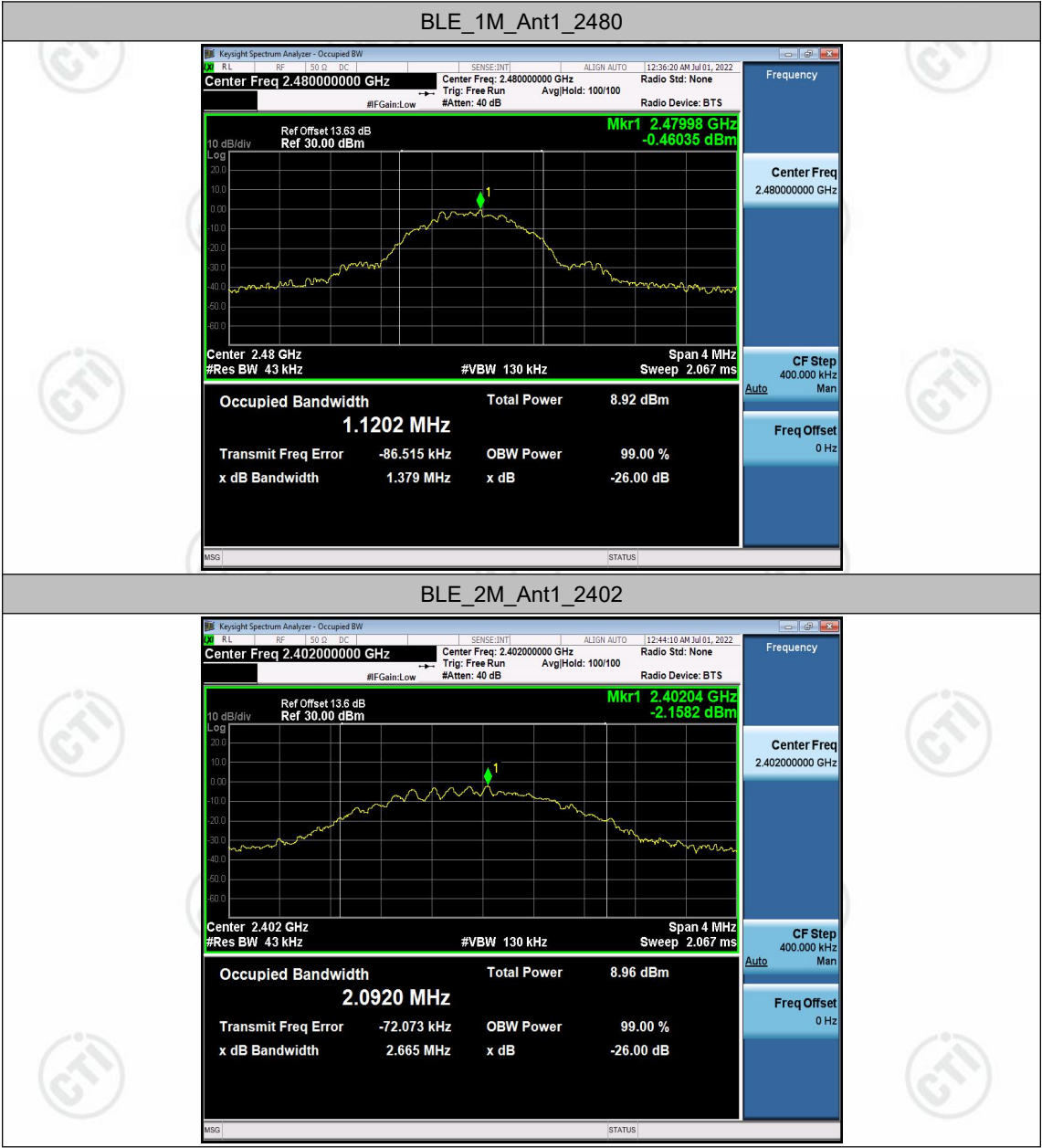
Appendix B: Occupied Channel Bandwidth

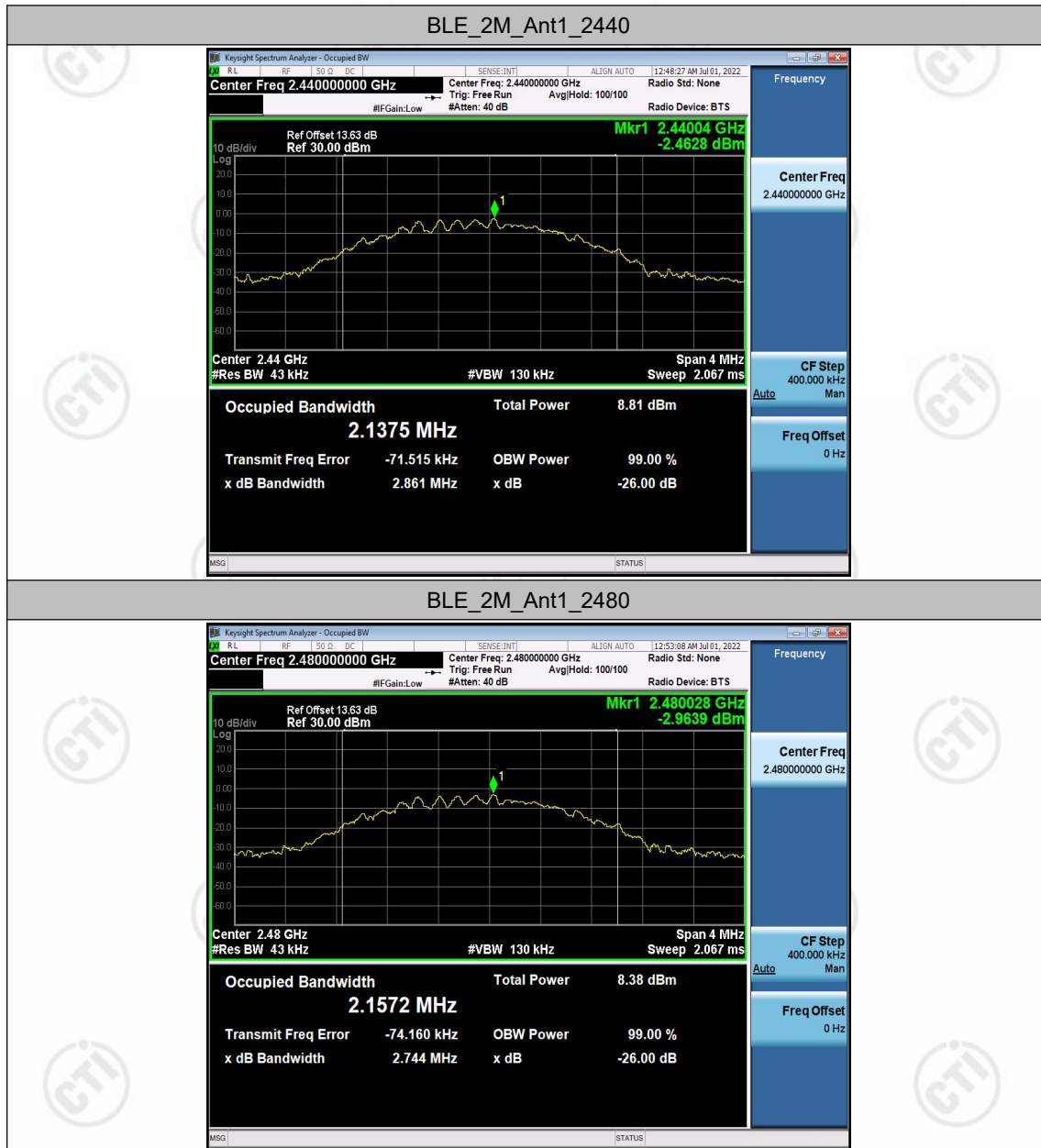
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0830	2401.378	2402.461	---	---
		2440	1.1053	2439.366	2440.472	---	---
		2480	1.1202	2479.353	2480.474	---	---
BLE_2M	Ant1	2402	2.0920	2400.882	2402.974	---	---
		2440	2.1375	2438.860	2440.997	---	---
		2480	2.1572	2478.847	2481.004	---	---

Test Graphs





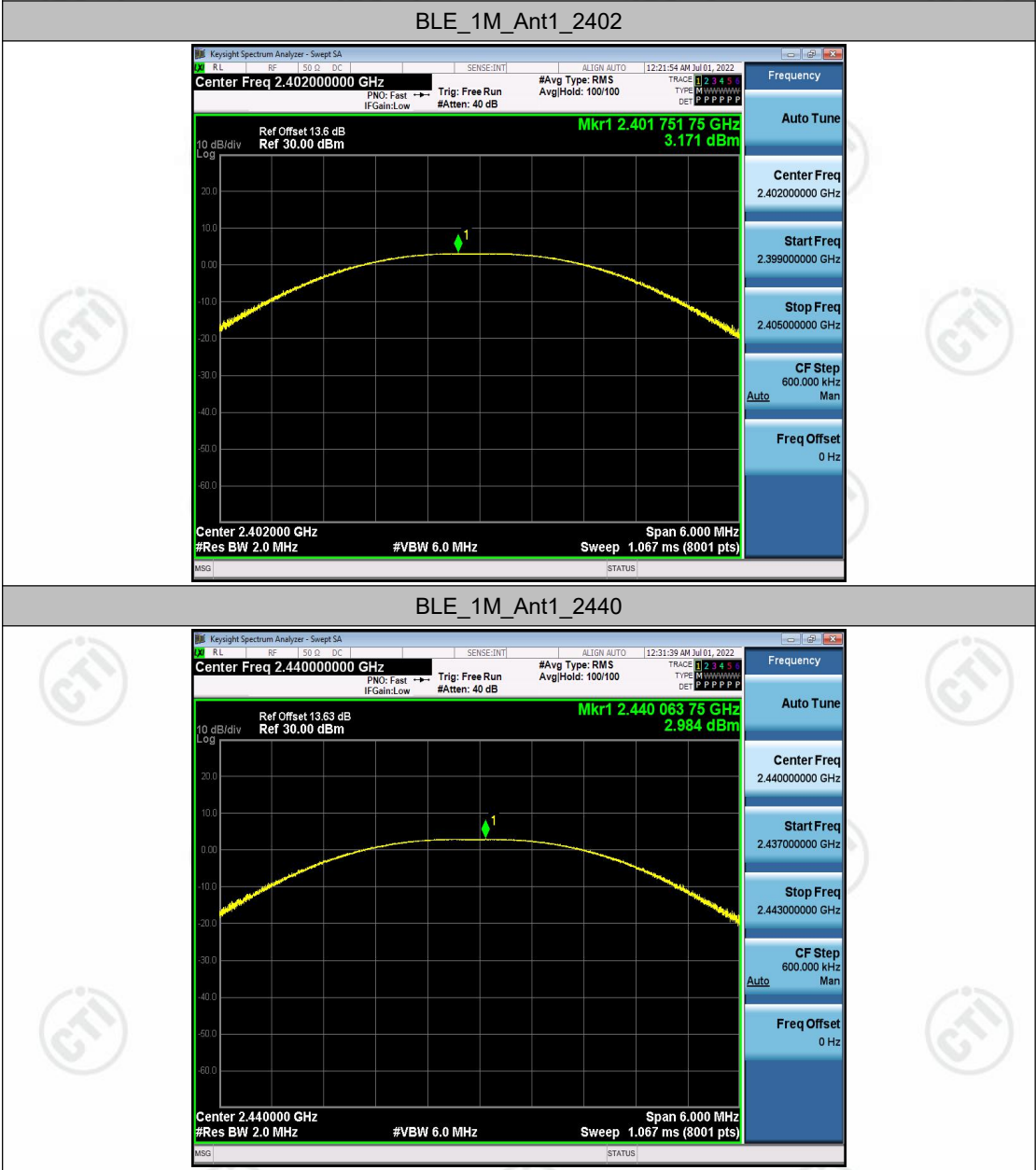


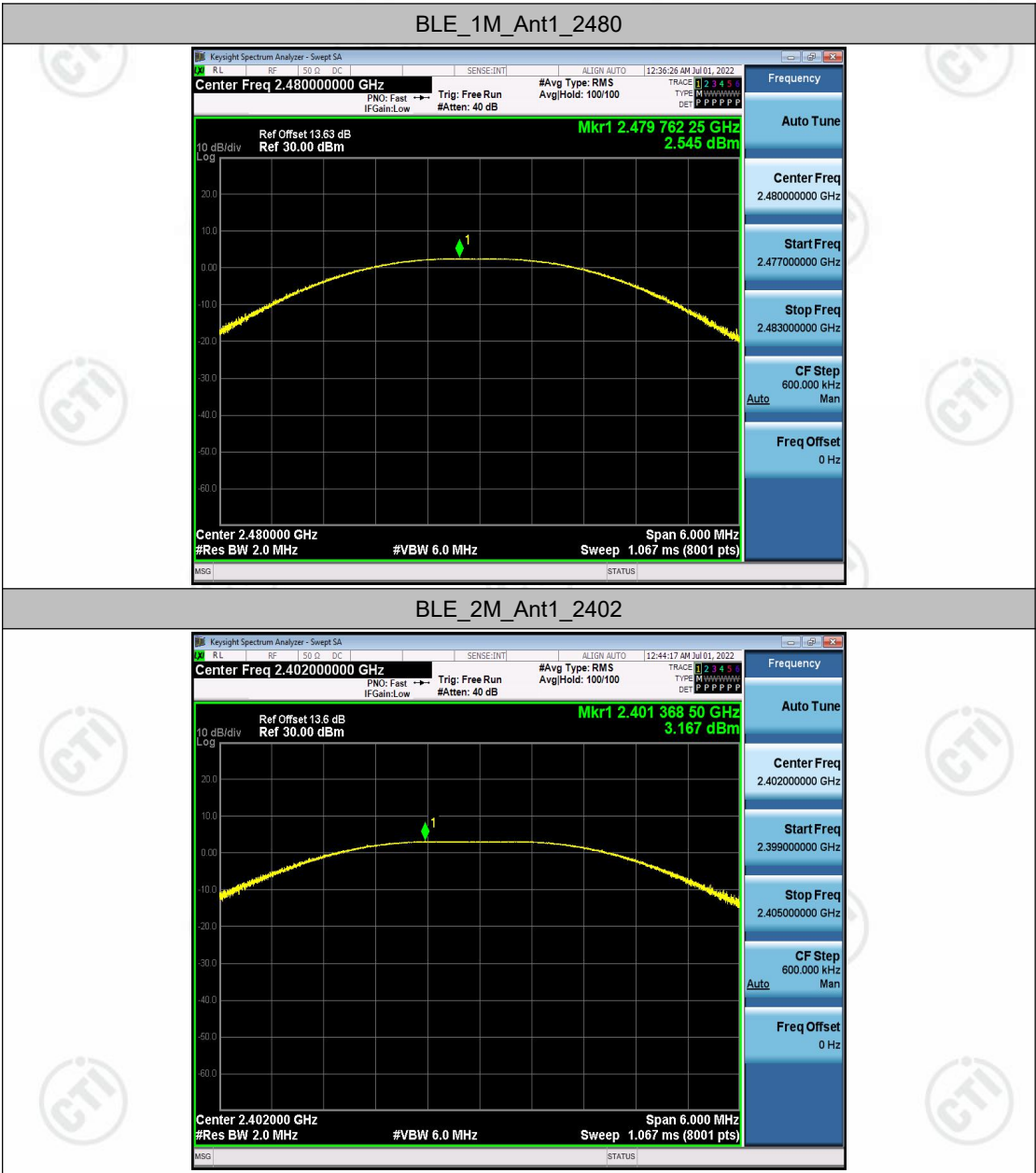
Appendix C: Maximum conducted output power

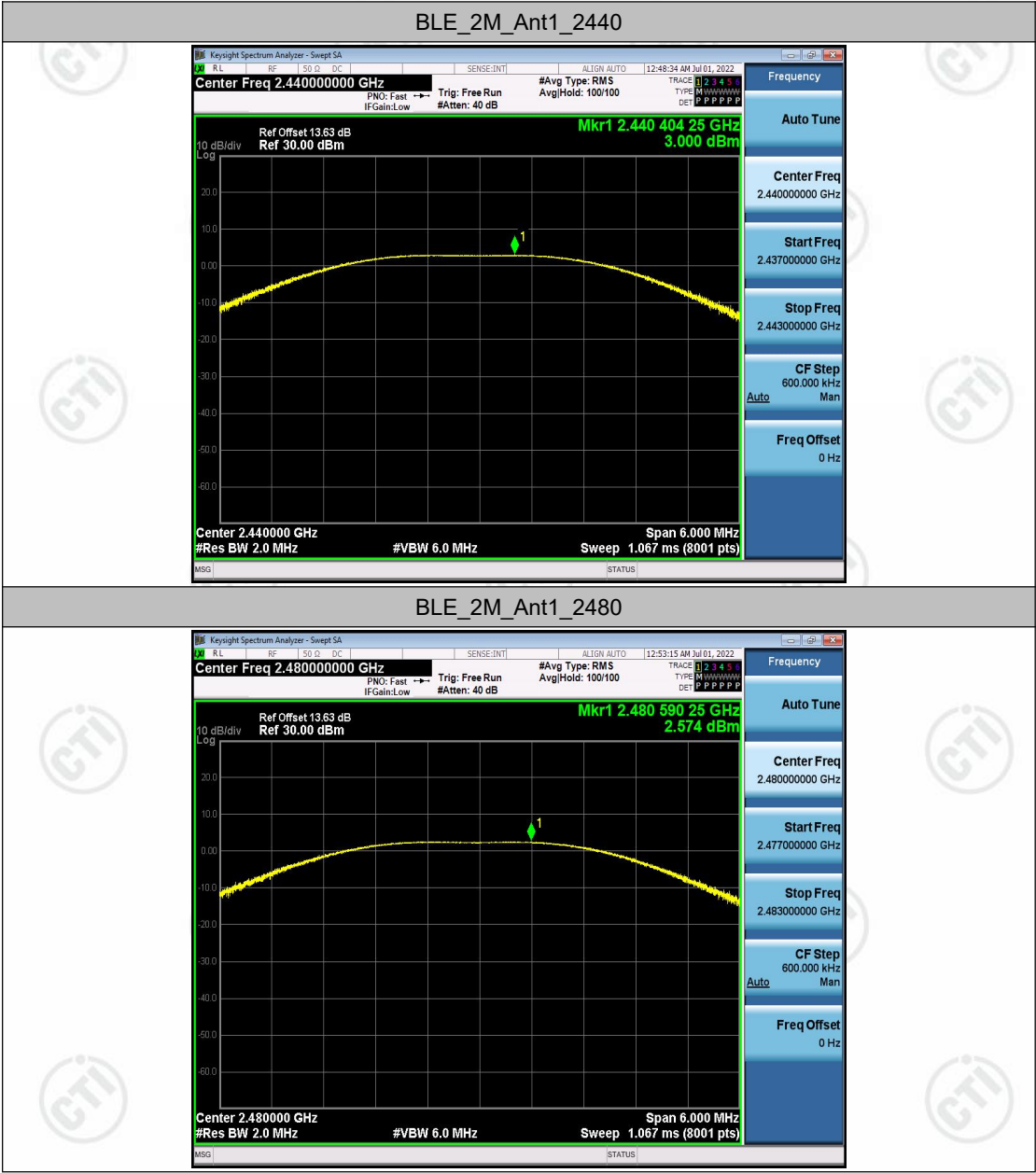
Test Result Peak

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.17	≤30	PASS
		2440	2.98	≤30	PASS
		2480	2.55	≤30	PASS
BLE_2M	Ant1	2402	3.17	≤30	PASS
		2440	3	≤30	PASS
		2480	2.57	≤30	PASS

Test Graphs Peak







Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.68	≤8.00	PASS
		2440	-11.01	≤8.00	PASS
		2480	-11.47	≤8.00	PASS
BLE_2M	Ant1	2402	-13.71	≤8.00	PASS
		2440	-13.98	≤8.00	PASS
		2480	-14.57	≤8.00	PASS

Test Graphs

