

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

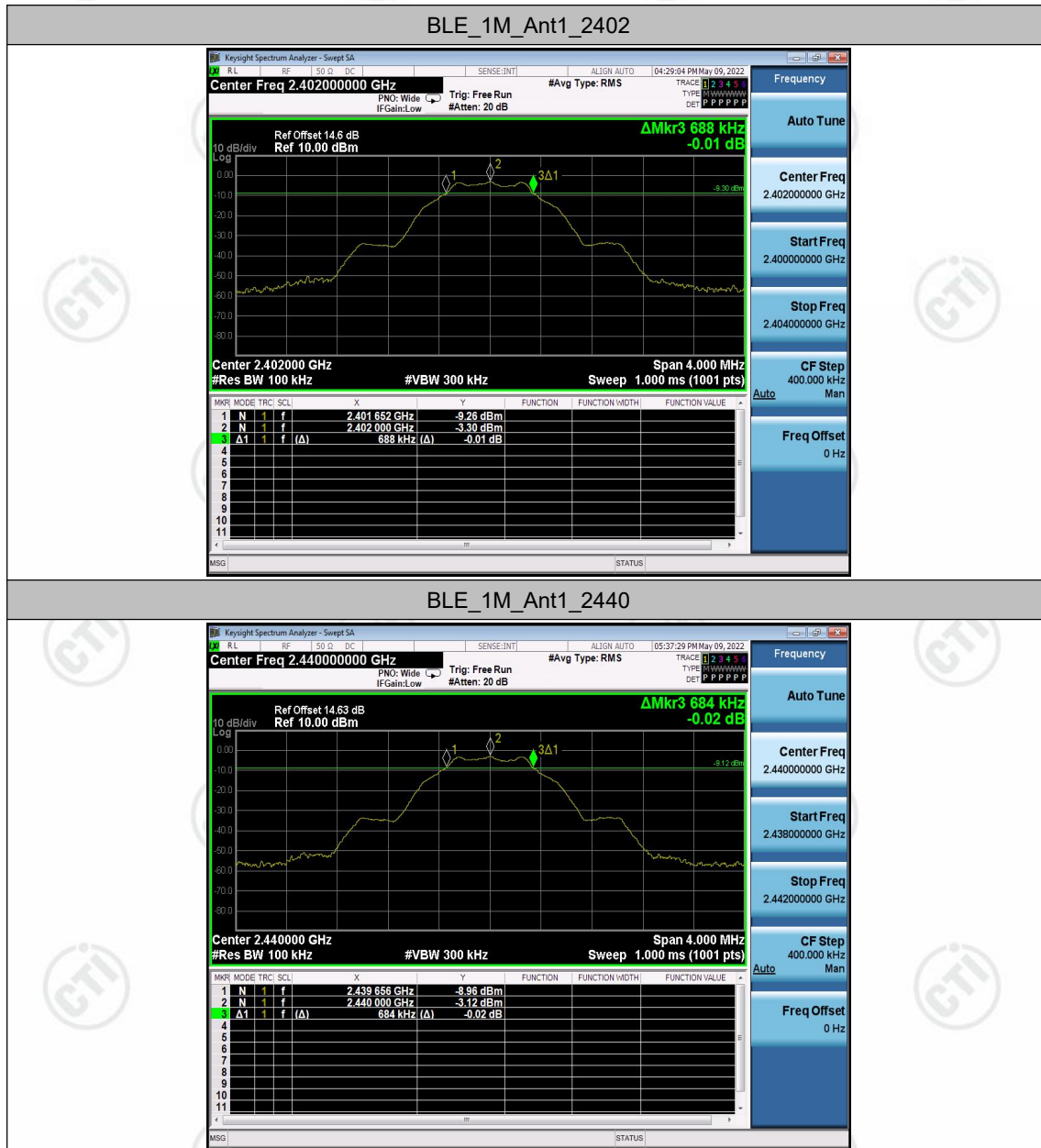
 Test Graphs.....33

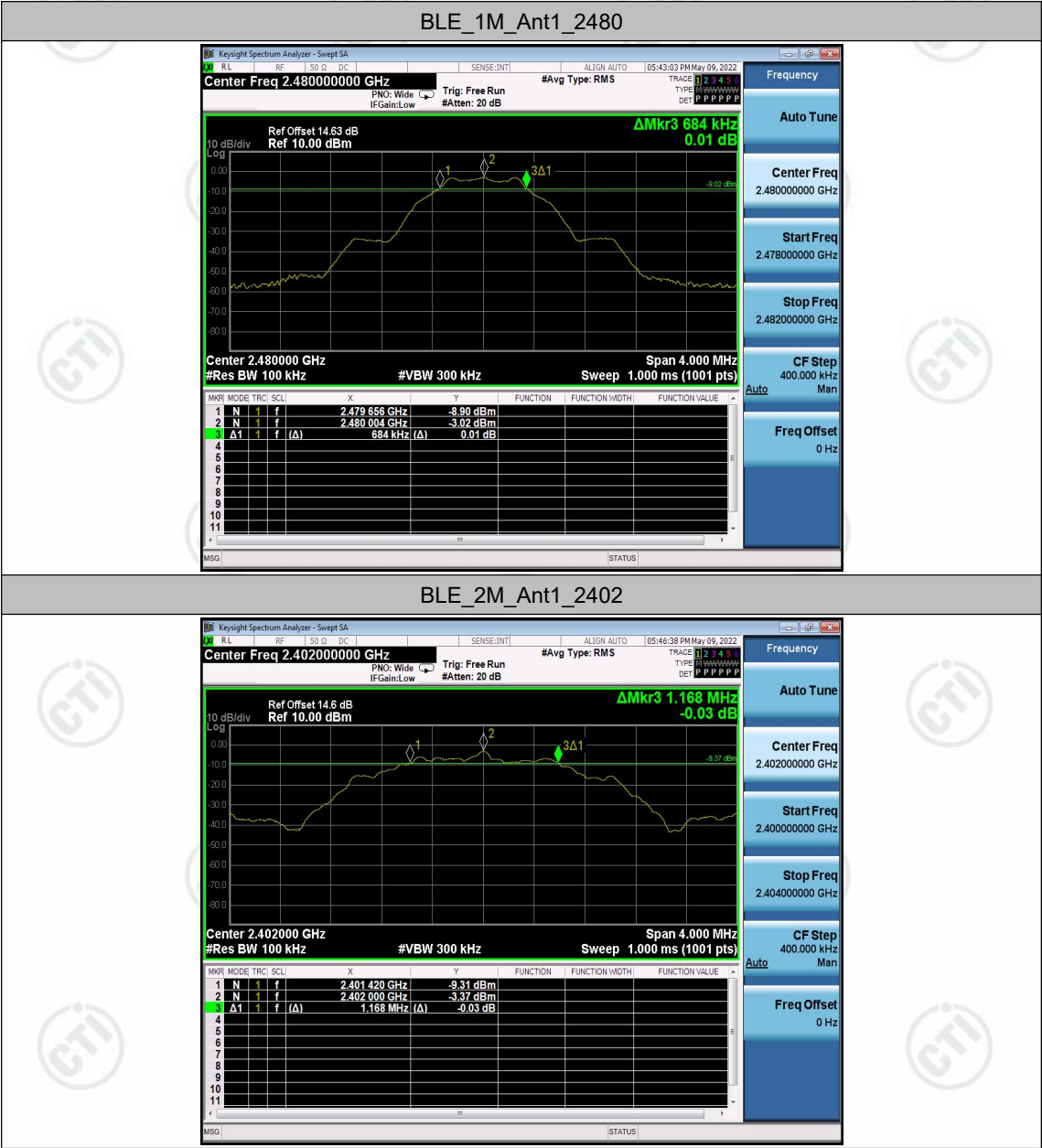
Appendix A: DTS Bandwidth

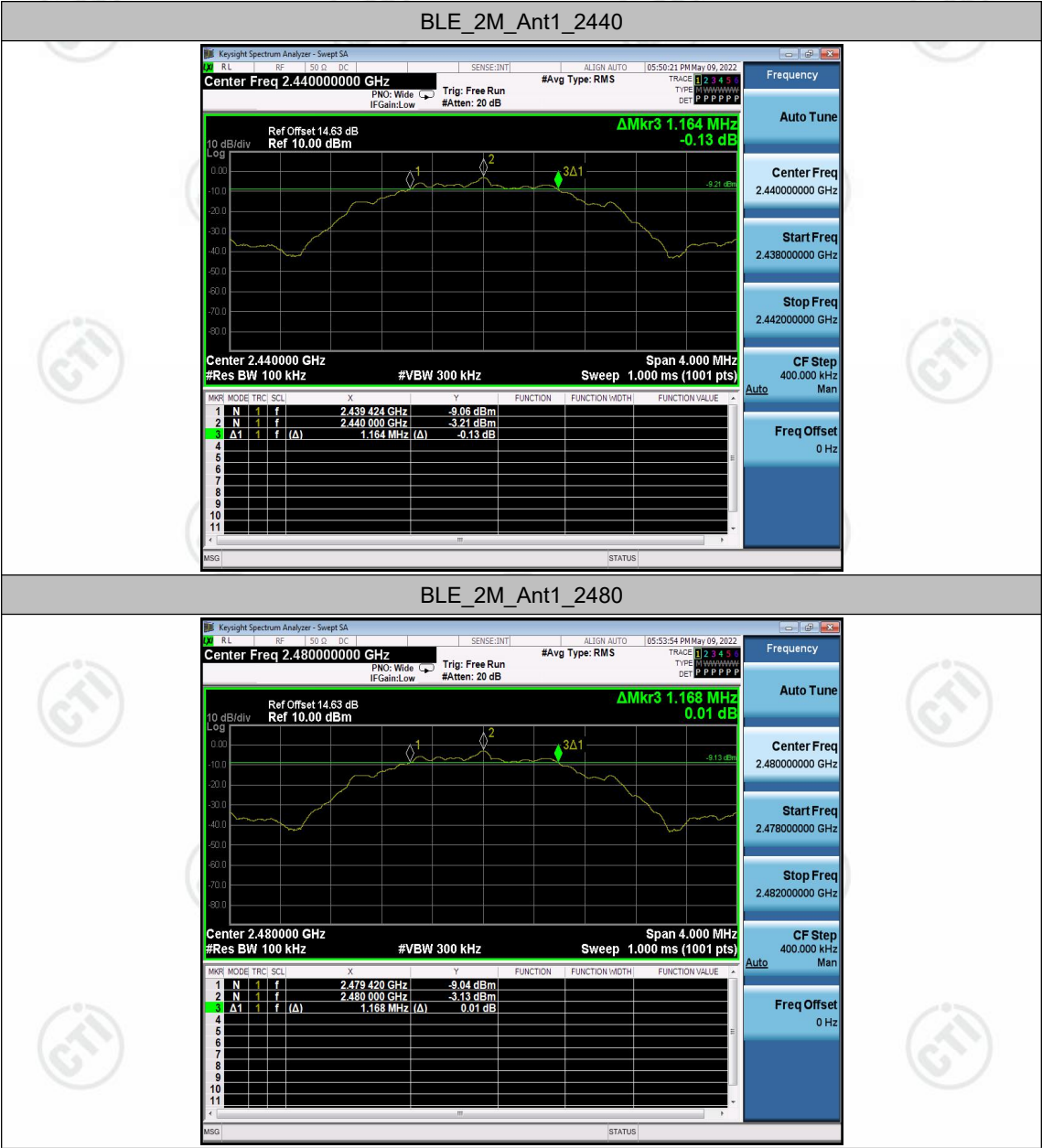
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.652	2402.340	0.5	PASS
		2440	0.684	2439.656	2440.340	0.5	PASS
		2480	0.684	2479.656	2480.340	0.5	PASS
BLE_2M	Ant1	2402	1.168	2401.420	2402.588	0.5	PASS
		2440	1.164	2439.424	2440.588	0.5	PASS
		2480	1.168	2479.420	2480.588	0.5	PASS

Test Graphs





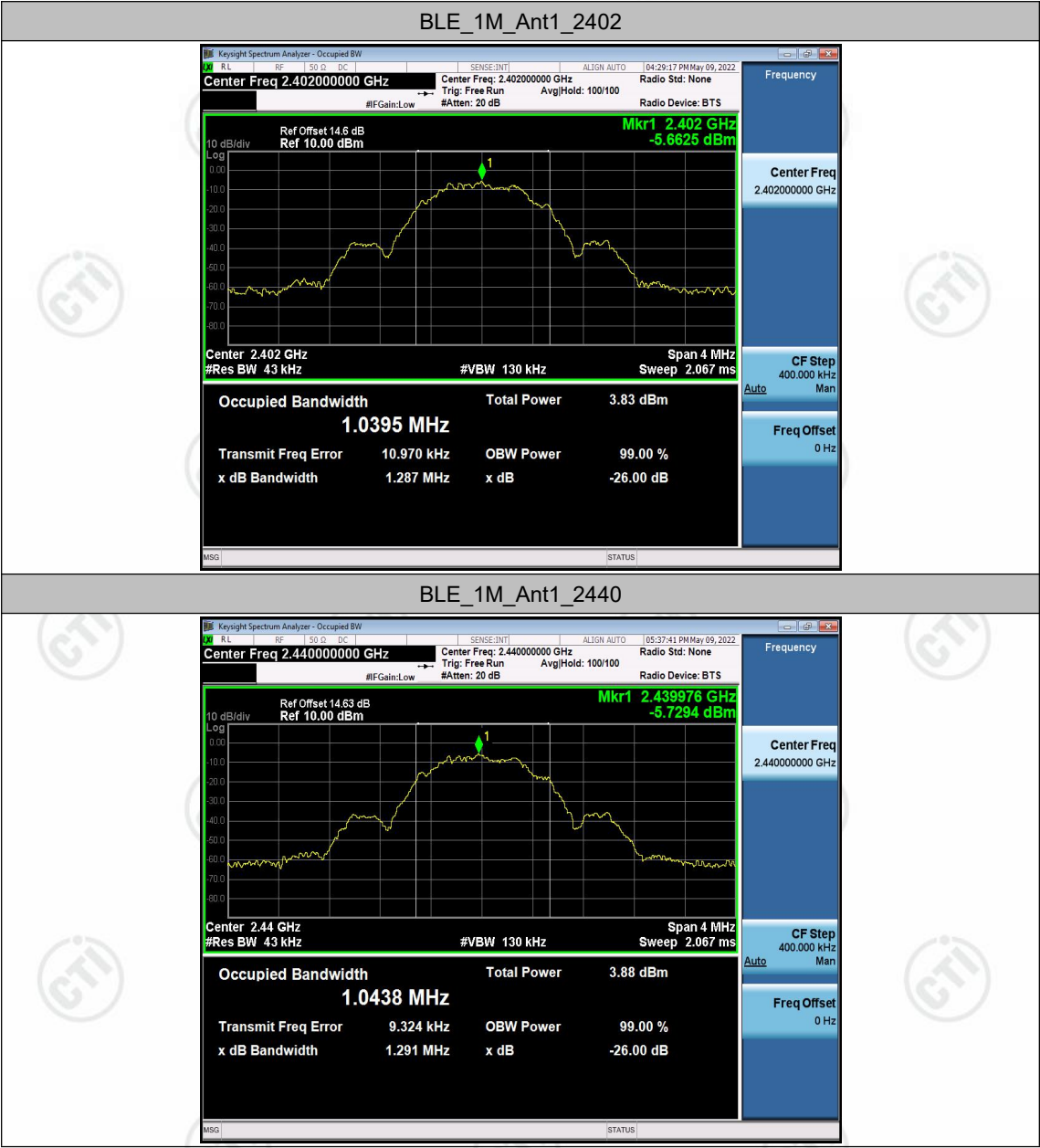


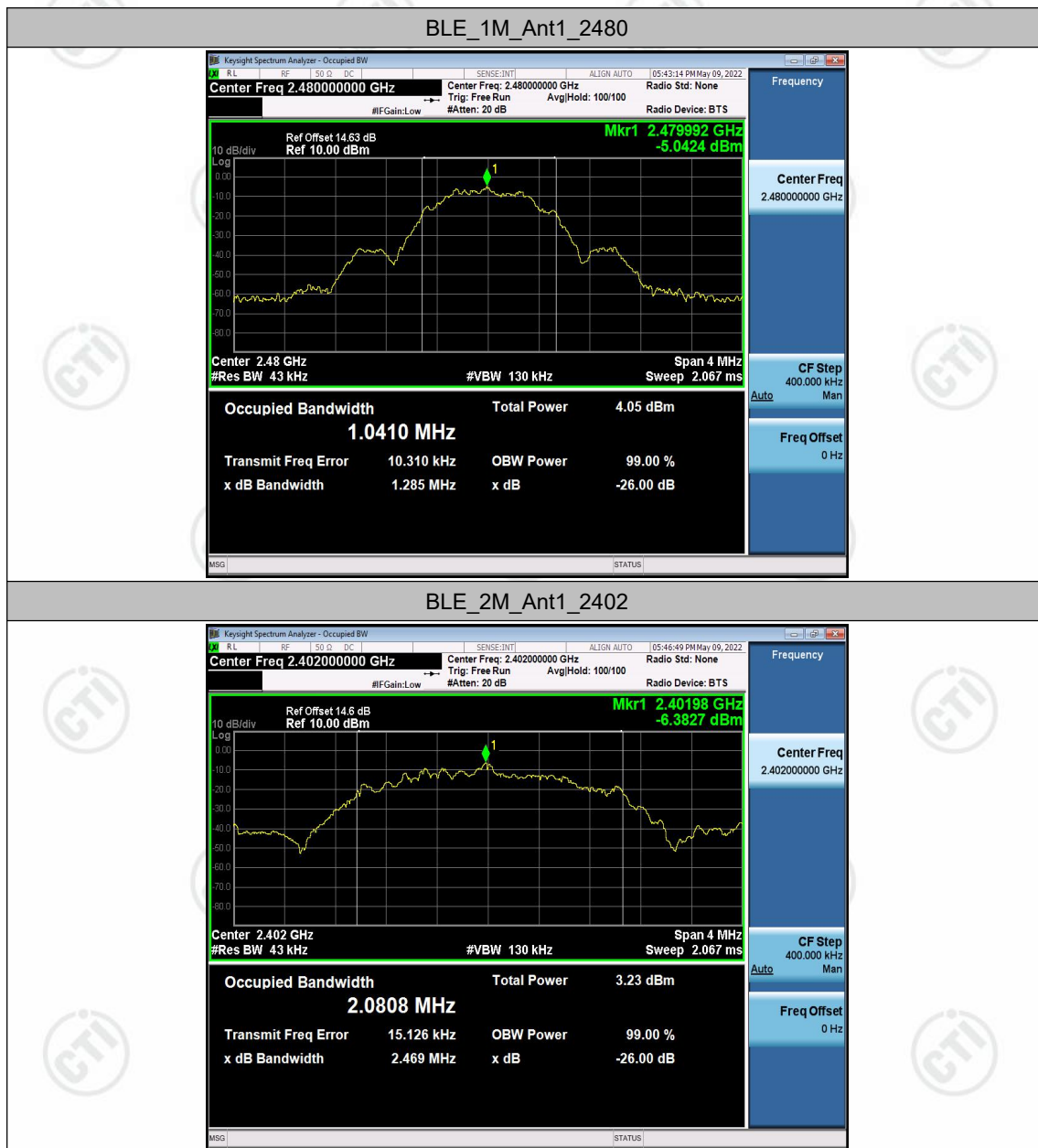
Appendix B: Occupied Channel Bandwidth

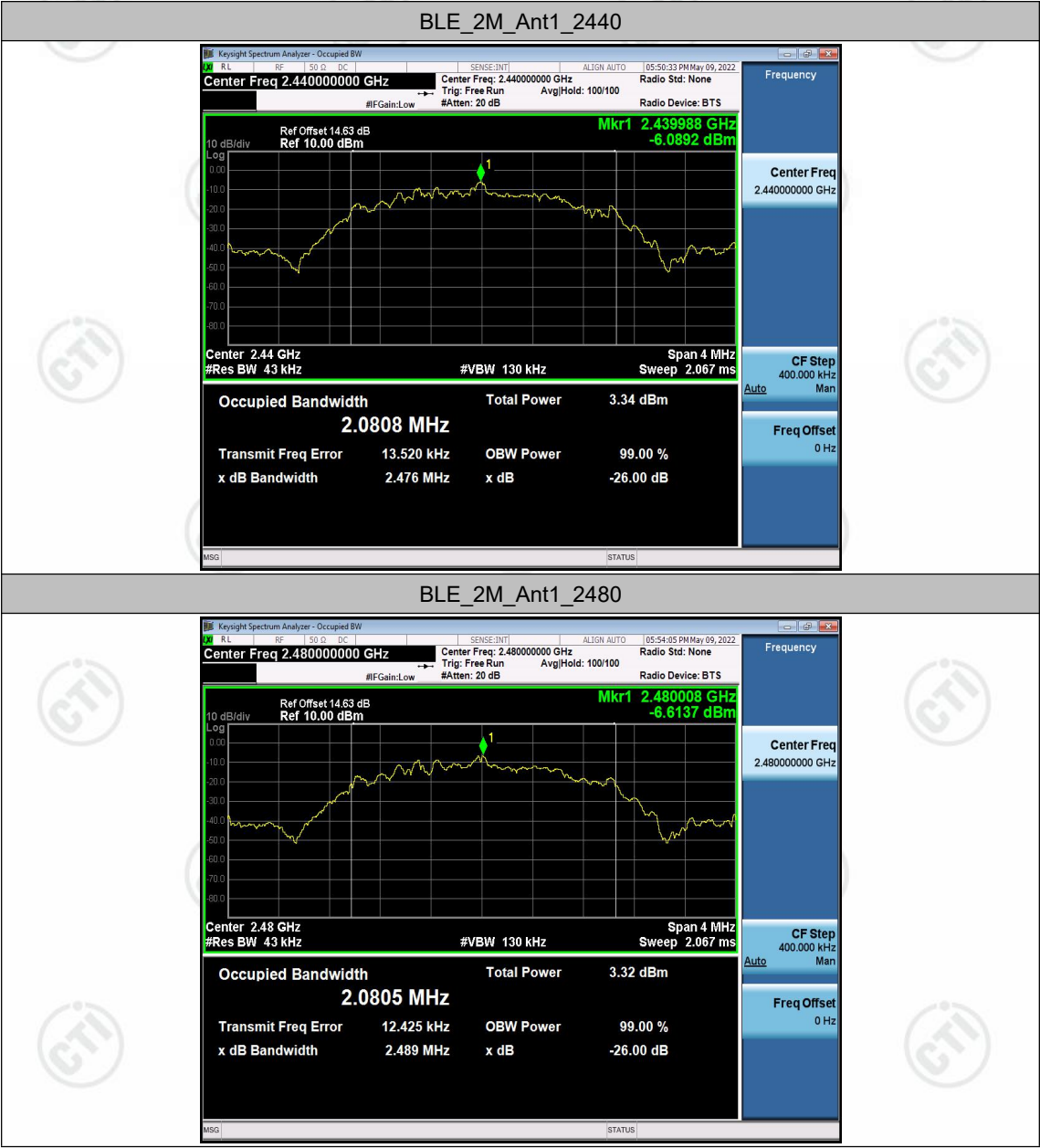
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0395	2401.491	2402.531	---	---
		2440	1.0438	2439.487	2440.531	---	---
		2480	1.0410	2479.490	2480.531	---	---
BLE_2M	Ant1	2402	2.0808	2400.975	2403.056	---	---
		2440	2.0808	2438.973	2441.054	---	---
		2480	2.0805	2478.972	2481.053	---	---

Test Graphs





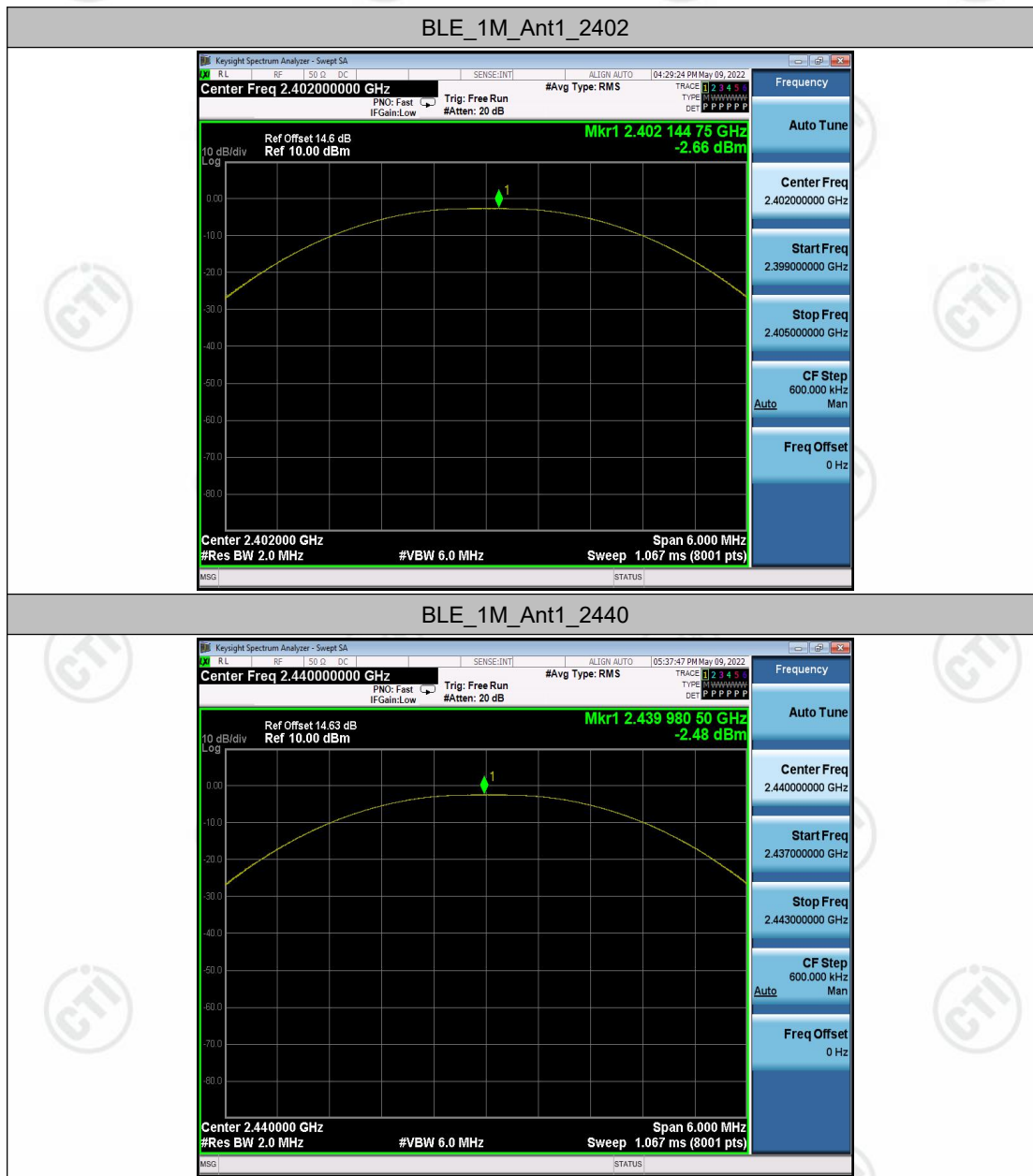


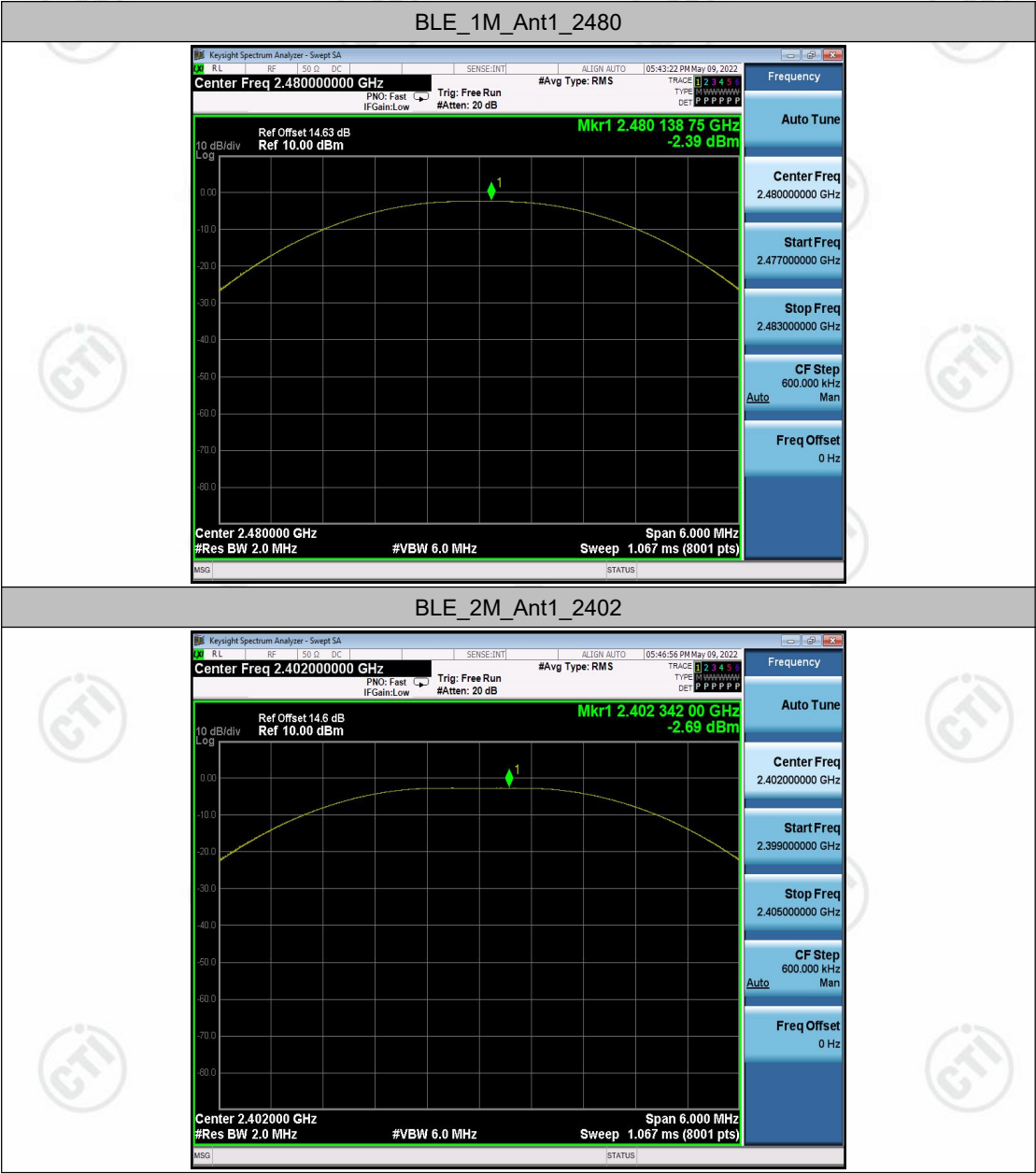
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.66	≤30	PASS
		2440	-2.48	≤30	PASS
		2480	-2.39	≤30	PASS
BLE_2M	Ant1	2402	-2.7	≤30	PASS
		2440	-2.54	≤30	PASS
		2480	-2.44	≤30	PASS

Test Graphs Peak





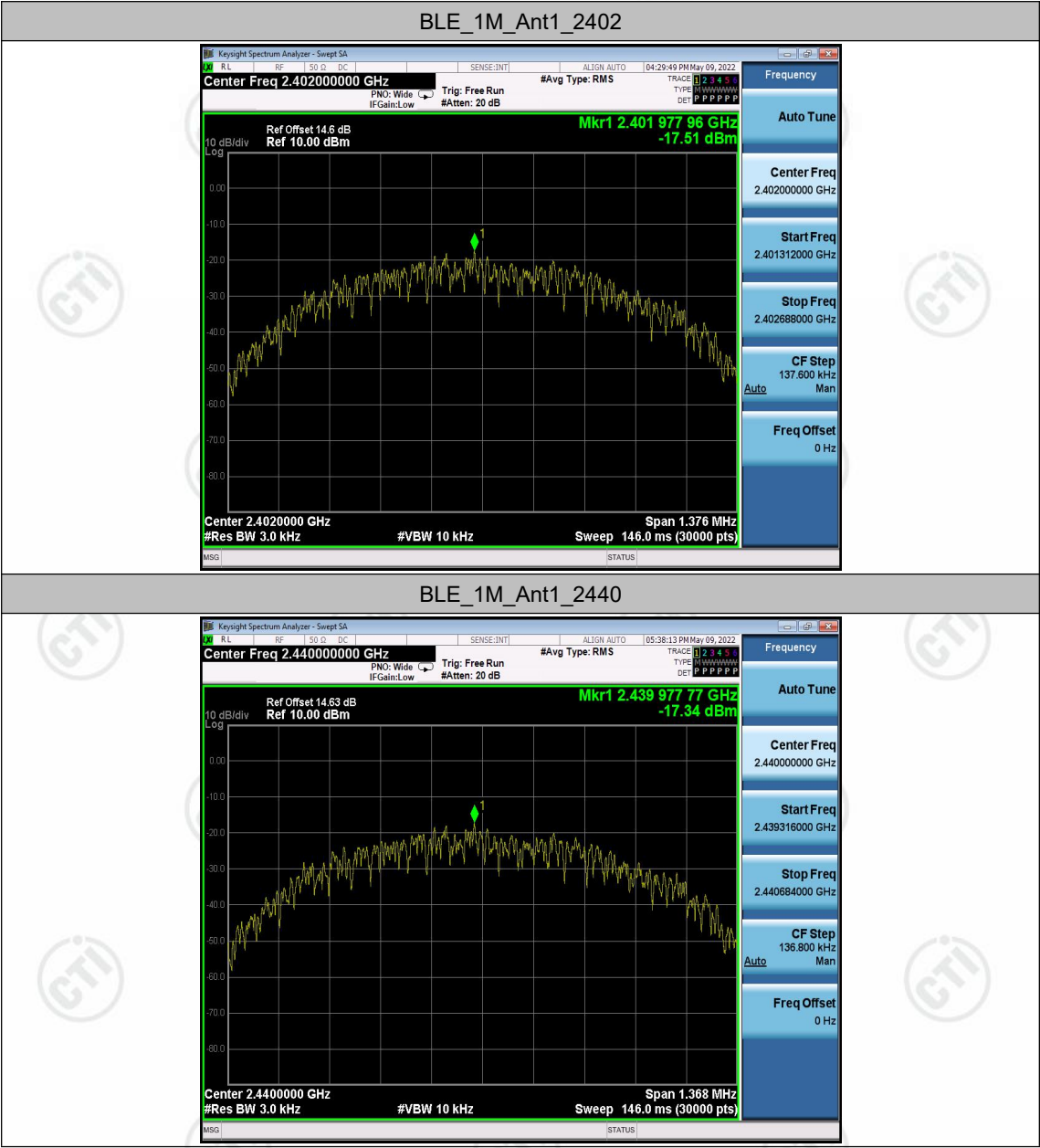


Appendix D: Maximum power spectral density

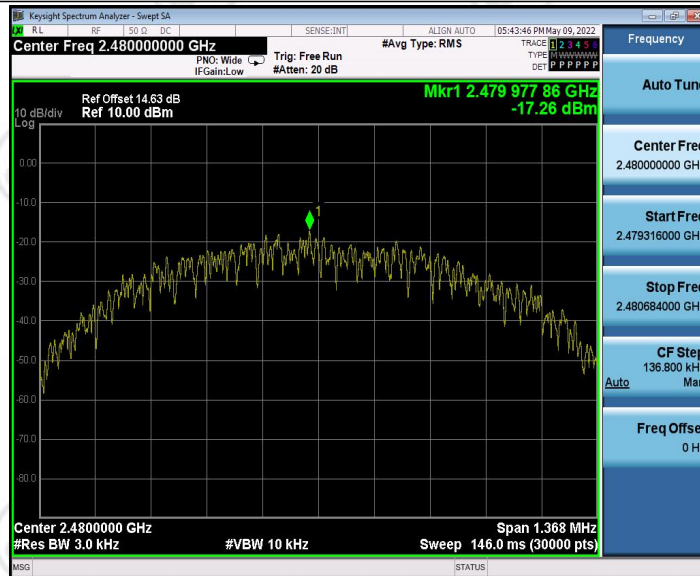
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.51	≤8.00	PASS
		2440	-17.34	≤8.00	PASS
		2480	-17.26	≤8.00	PASS
BLE_2M	Ant1	2402	-20.09	≤8.00	PASS
		2440	-19.92	≤8.00	PASS
		2480	-19.84	≤8.00	PASS

Test Graphs



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402

