

Appendix: Bluetooth LE

Contents

Appendix A: DTS Bandwidth..... 3

 Test Result.....3

 Test Graphs.....4

Appendix B: Occupied Channel Bandwidth..... 6

 Test Result.....6

 Test Graphs.....7

Appendix C: Maximum conducted output power..... 9

 Test Result.....9

 Test Graphs.....10

Appendix D: Maximum power spectral density..... 12

 Test Result.....12

 Test Graphs.....13

Appendix E: Band edge measurements..... 15

 Test Result.....15

 Test Graphs.....16

Appendix F: Conducted Spurious Emission..... 17

 Test Result.....17

 Test Graphs.....18

Appendix G: Duty Cycle..... 23

 Test Result.....23

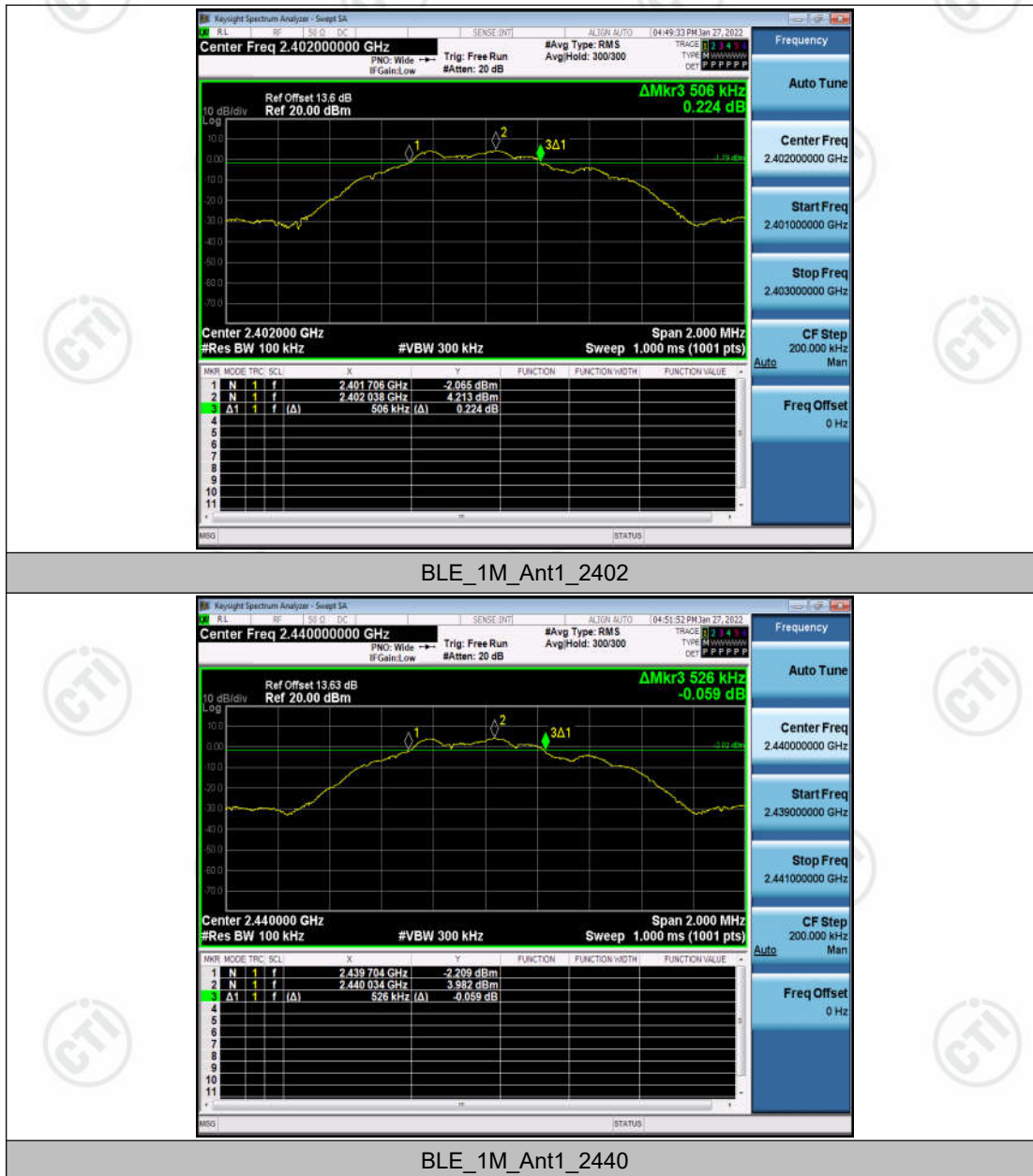
 Test Graphs.....24

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.506	2401.706	2402.212	0.5	PASS
		2440	0.526	2439.704	2440.230	0.5	PASS
		2480	0.502	2479.710	2480.212	0.5	PASS

Test Graphs



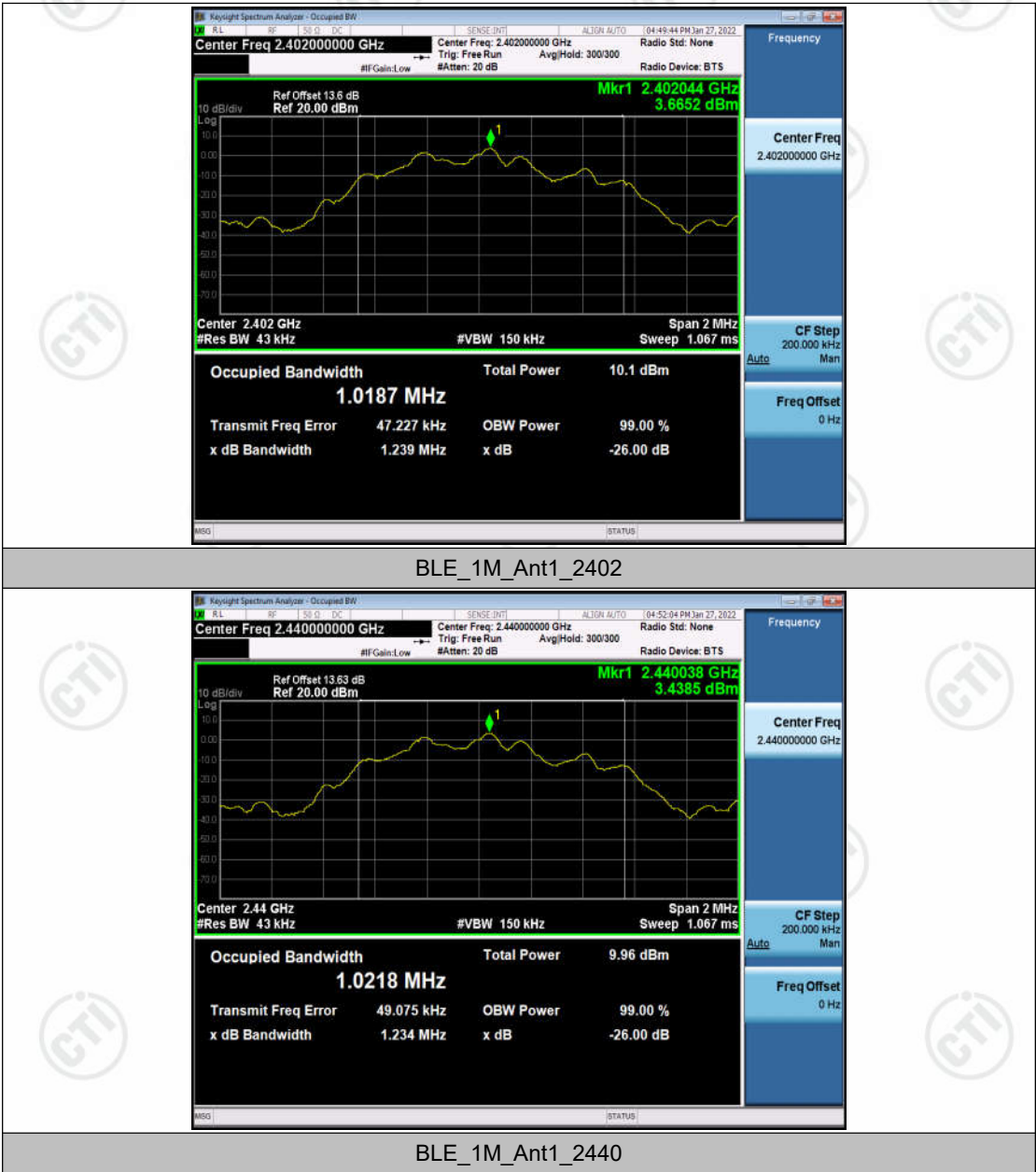


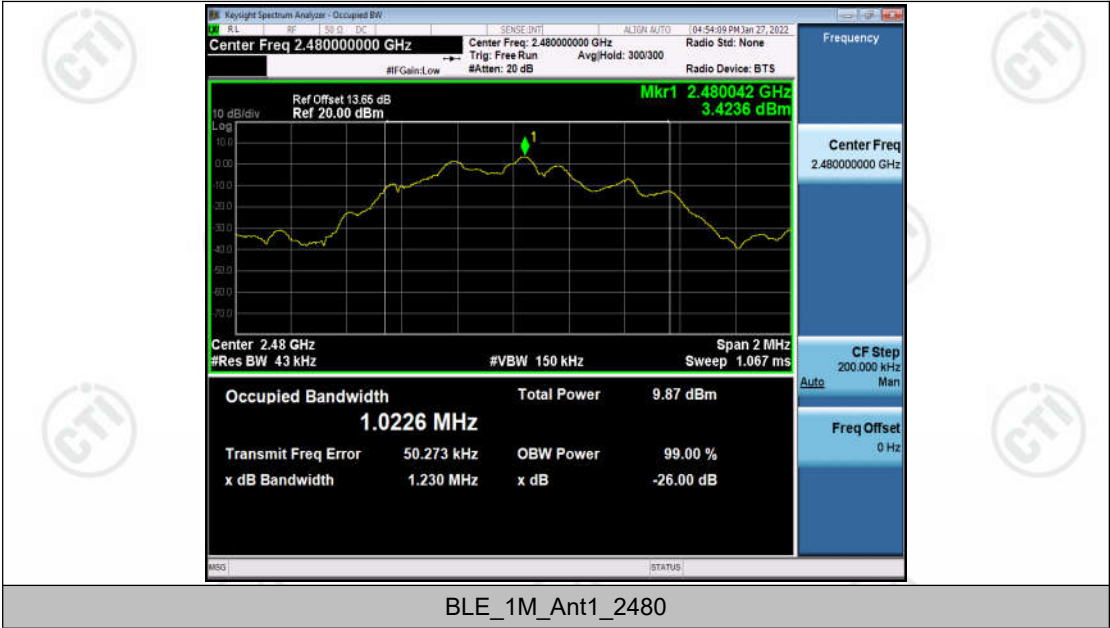
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0187	2401.538	2402.557	---	PASS
		2440	1.0218	2439.538	2440.560	---	PASS
		2480	1.0226	2479.539	2480.562	---	PASS

Test Graphs



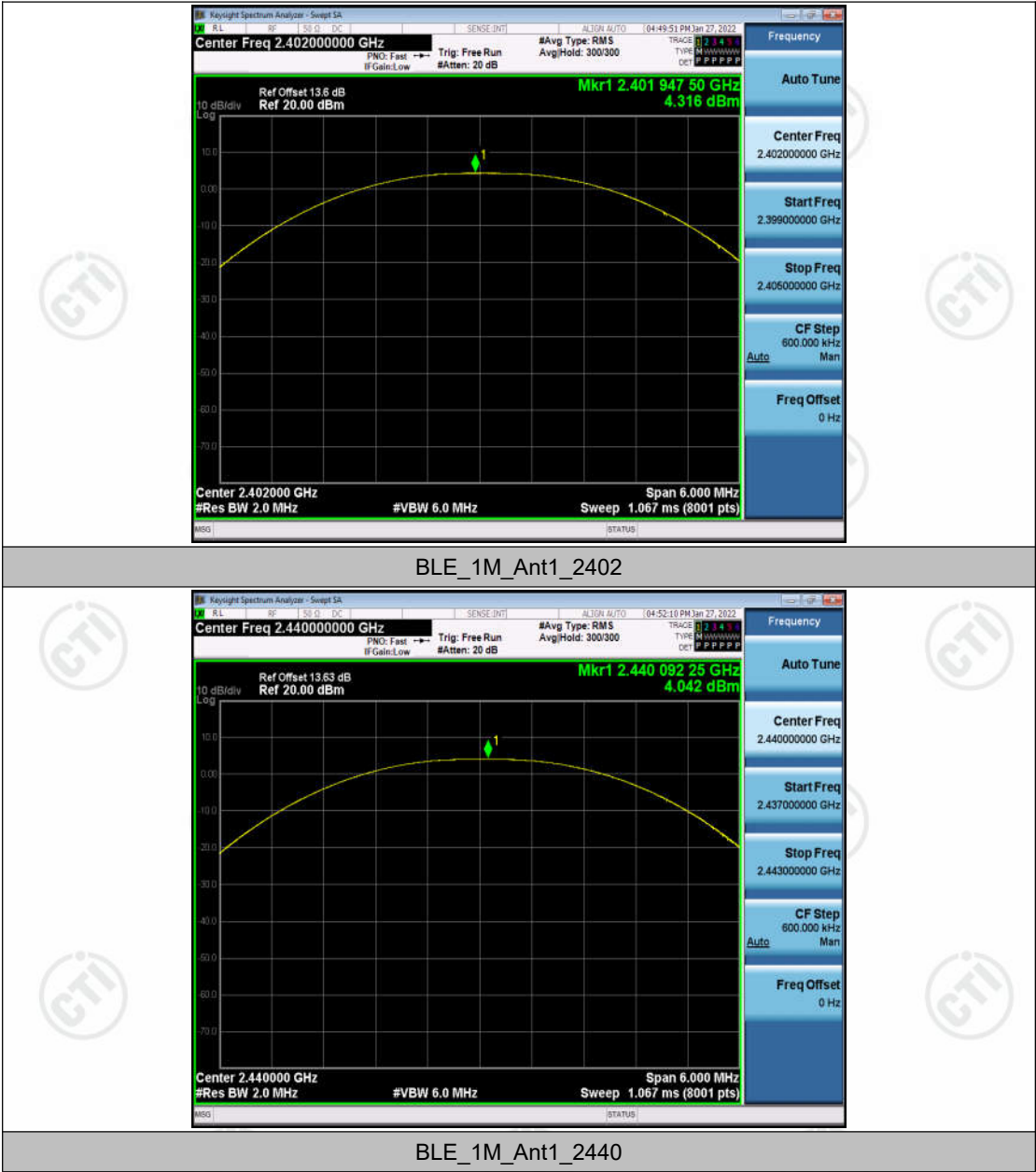


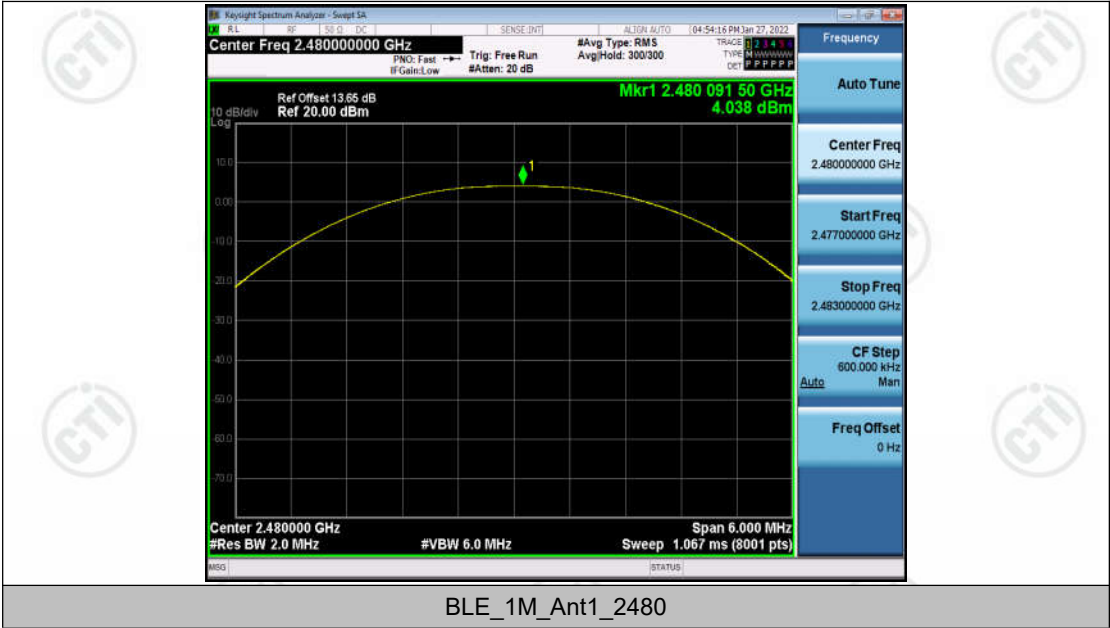
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.32	<=30	PASS
		2440	4.04	<=30	PASS
		2480	4.04	<=30	PASS

Test Graphs



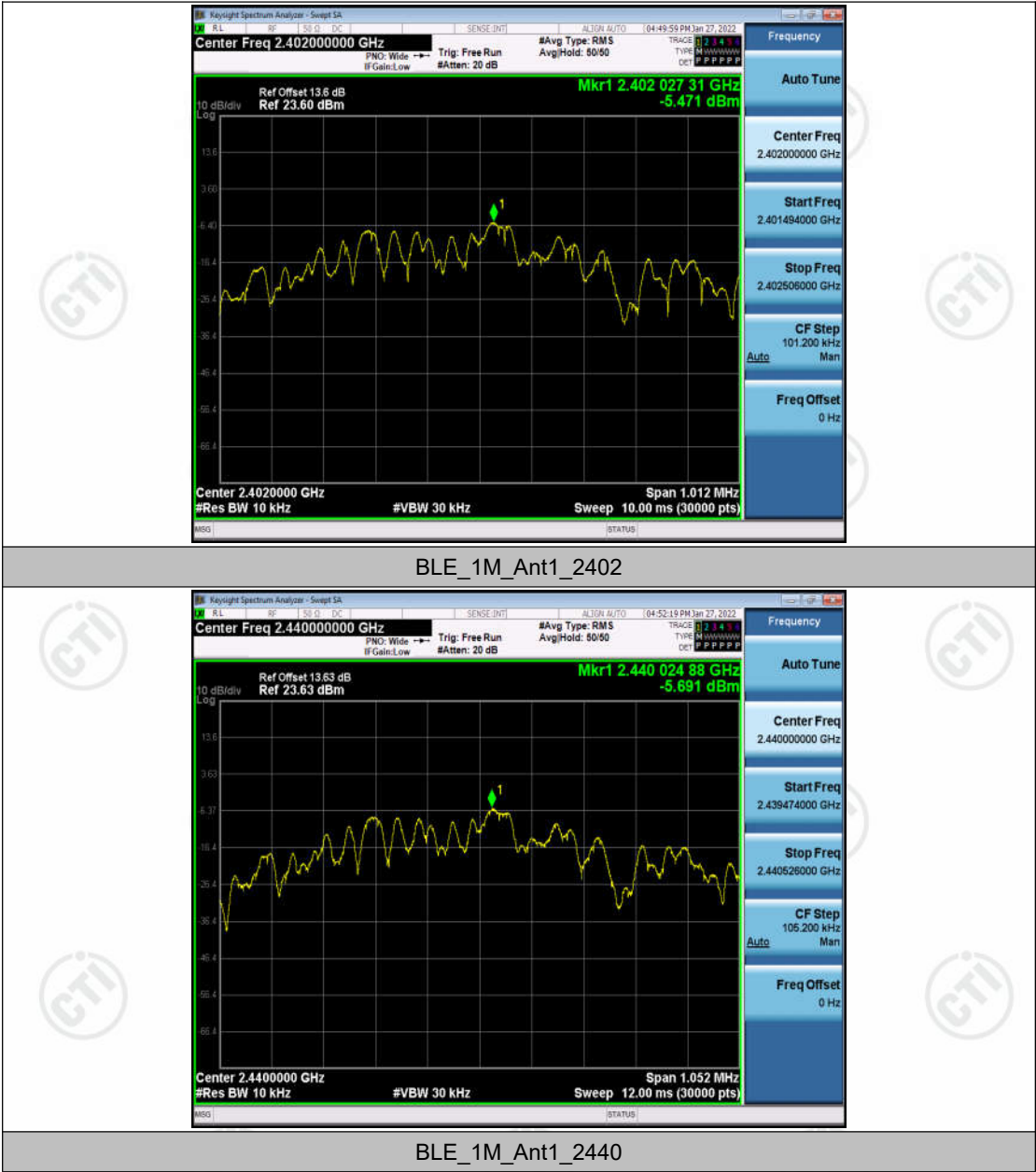


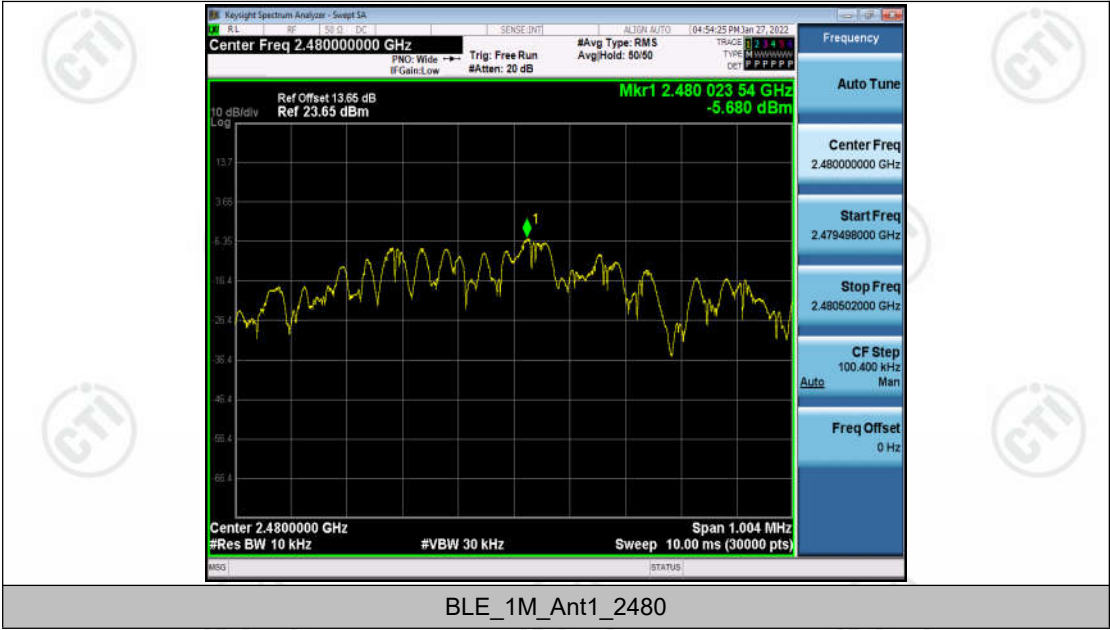
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.47	<=8	PASS
		2440	-5.69	<=8	PASS
		2480	-5.68	<=8	PASS

Test Graphs



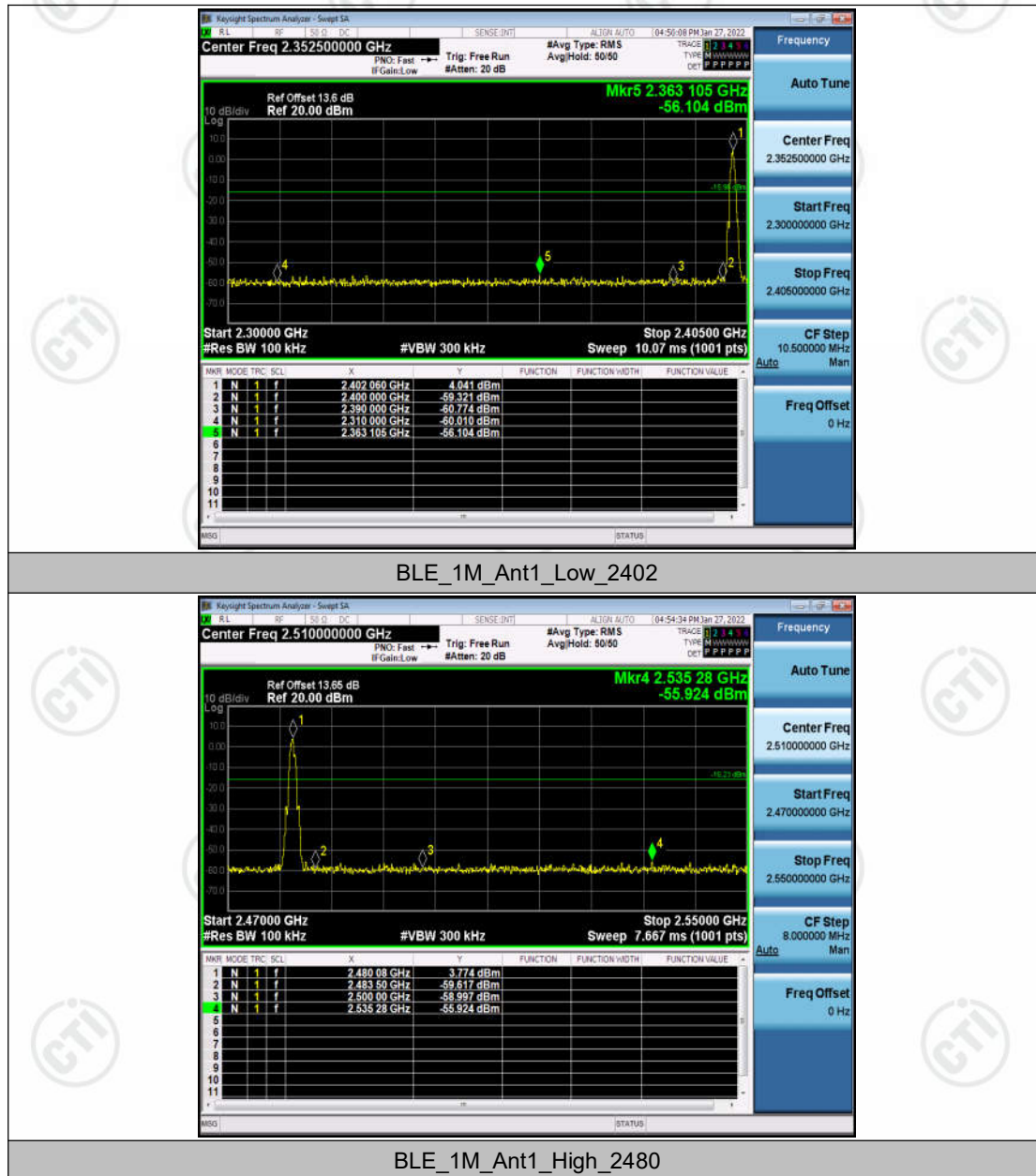


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.04	-56.1	<=-15.96	PASS
		High	2480	3.77	-55.92	<=-16.23	PASS

Test Graphs

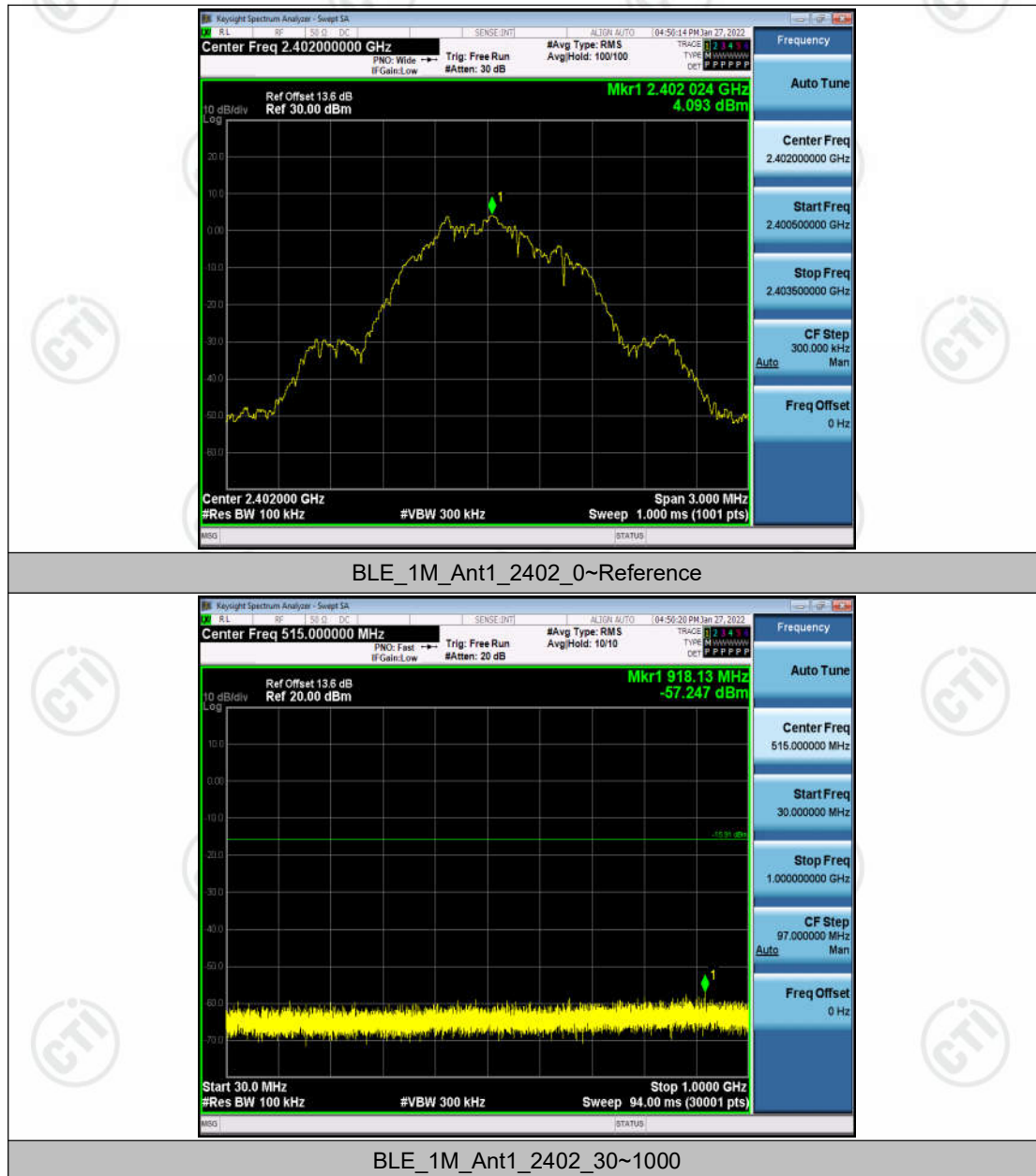


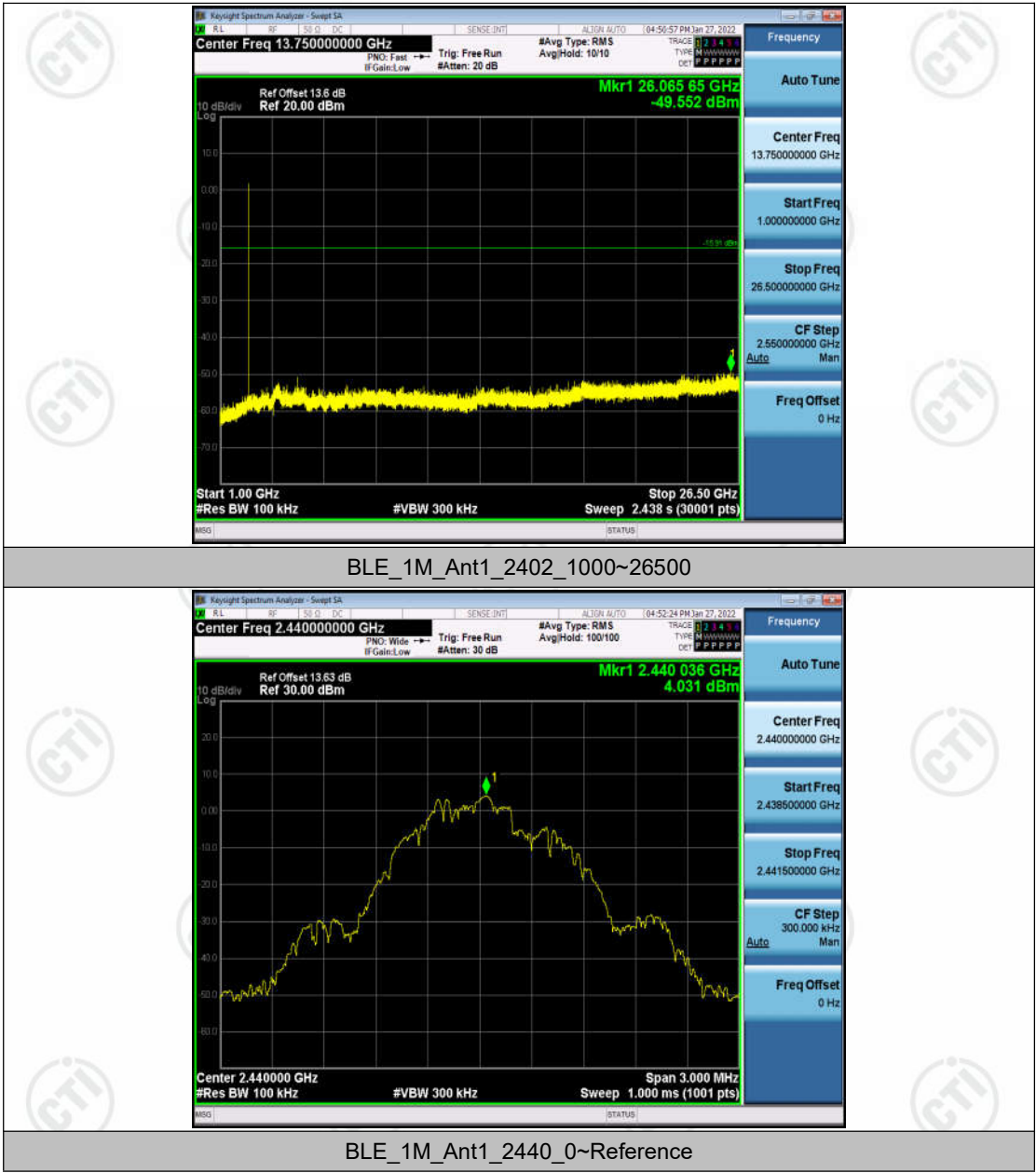
Appendix F: Conducted Spurious Emission

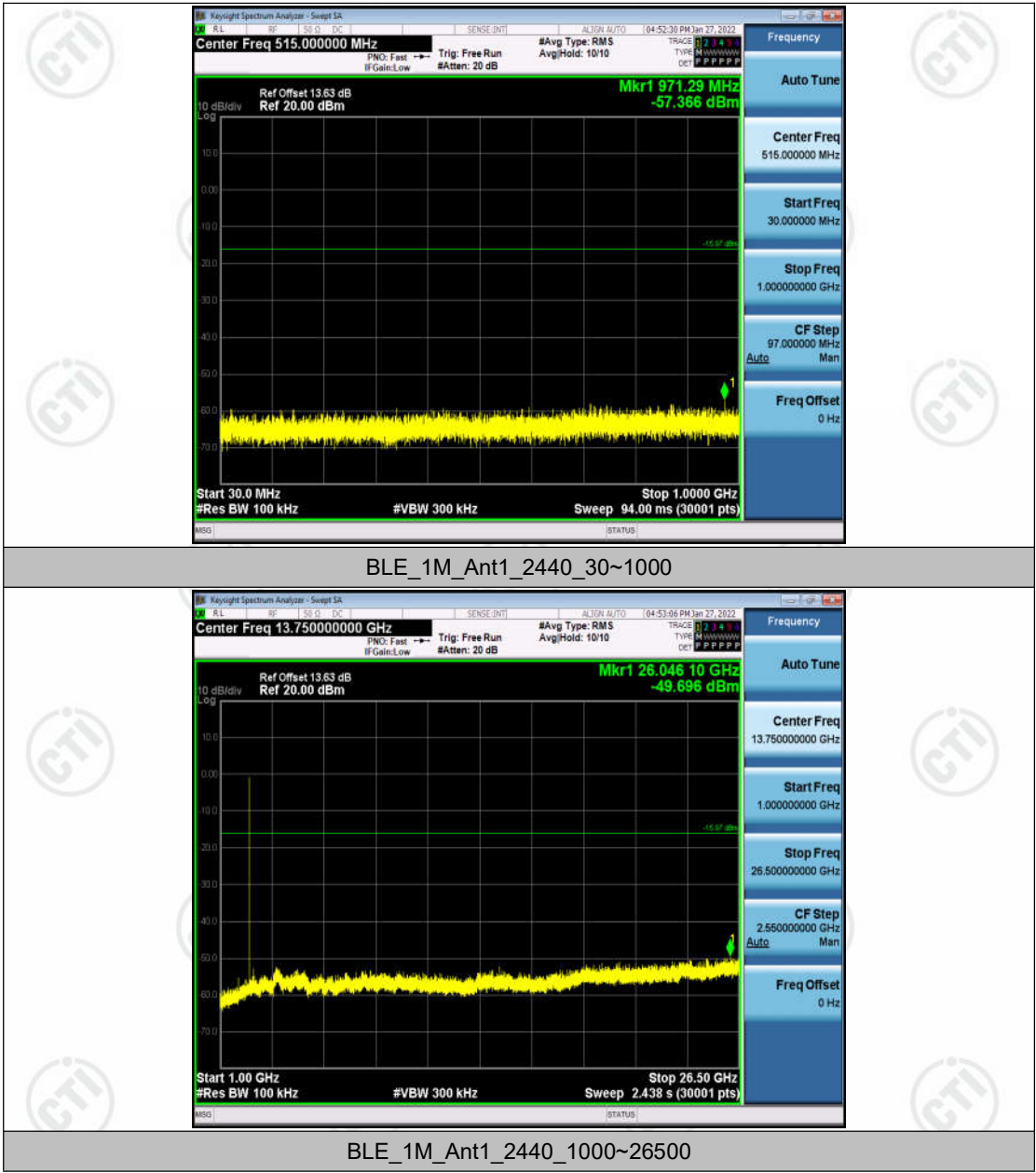
Test Result

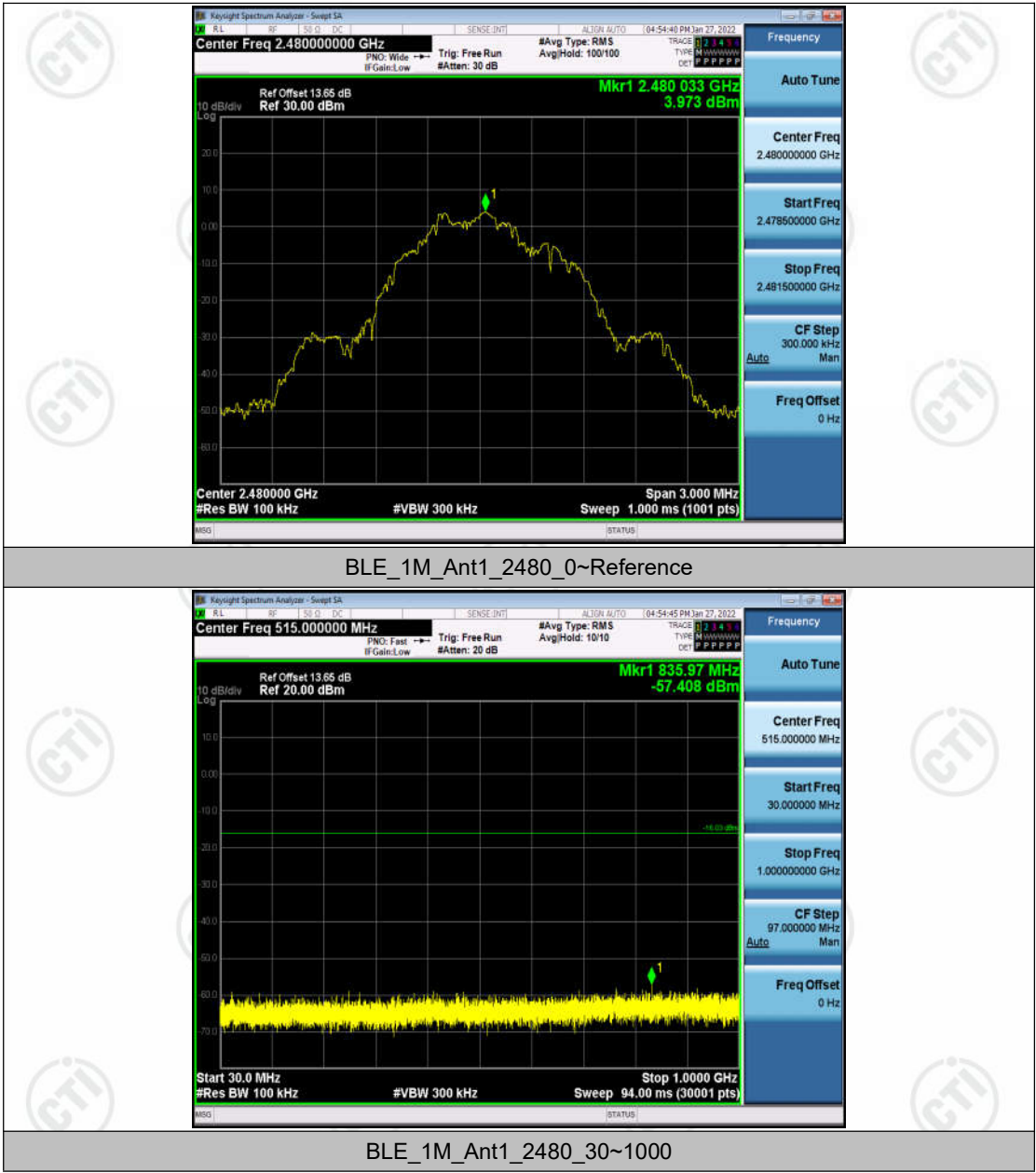
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.09	4.09	---	PASS
			30~1000	30~1000	-57.247	<=-15.907	PASS
			1000~26500	1000~26500	-49.552	<=-15.907	PASS
		2440	Reference	4.03	4.03	---	PASS
			30~1000	30~1000	-57.366	<=-15.969	PASS
			1000~26500	1000~26500	-49.696	<=-15.969	PASS
		2480	Reference	3.97	3.97	---	PASS
			30~1000	30~1000	-57.408	<=-16.027	PASS
			1000~26500	1000~26500	-49.079	<=-16.027	PASS

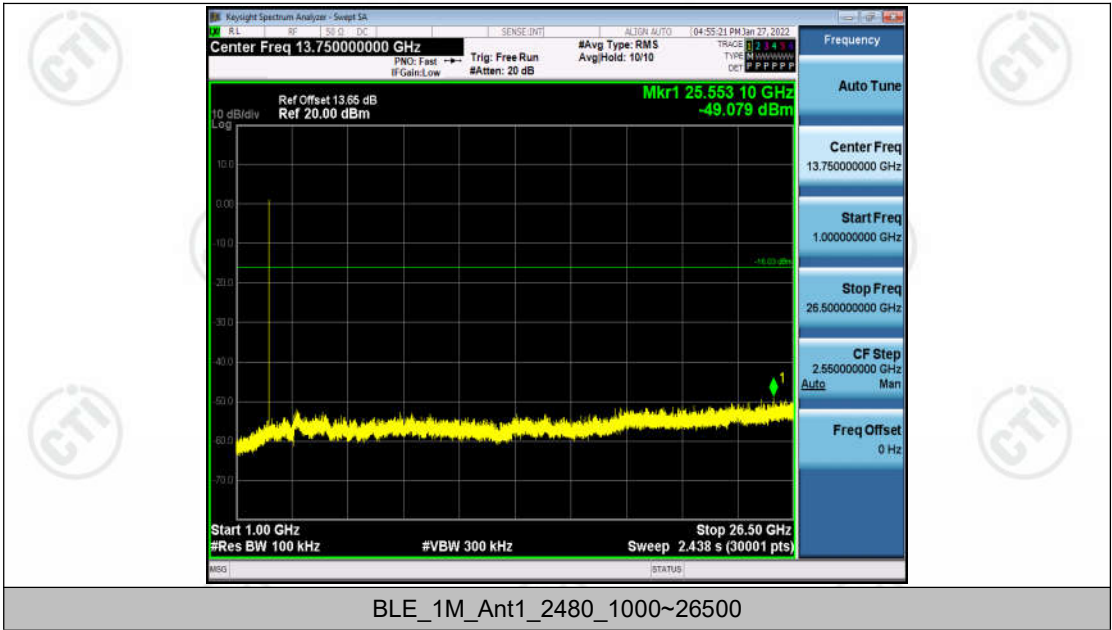
Test Graphs









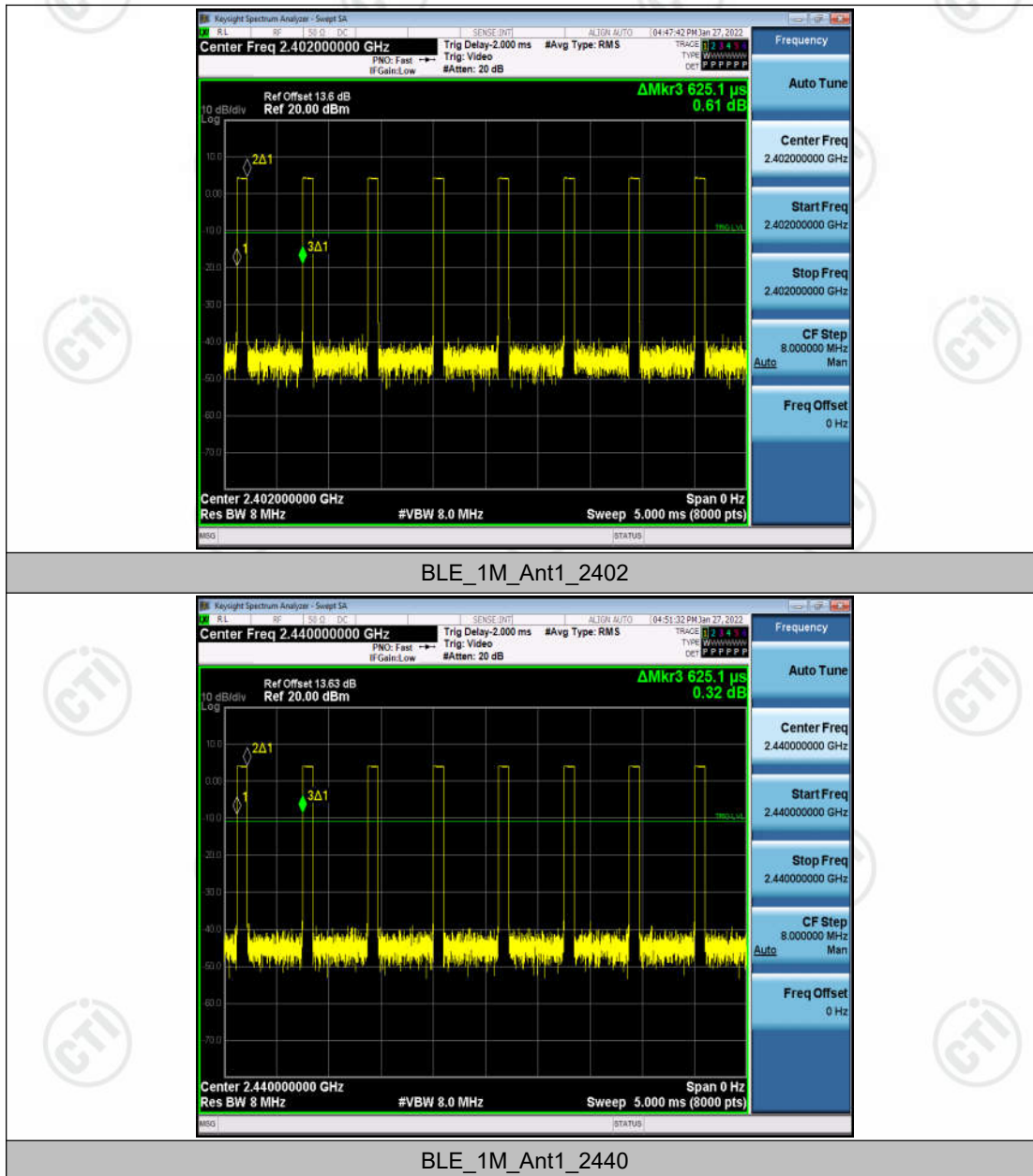


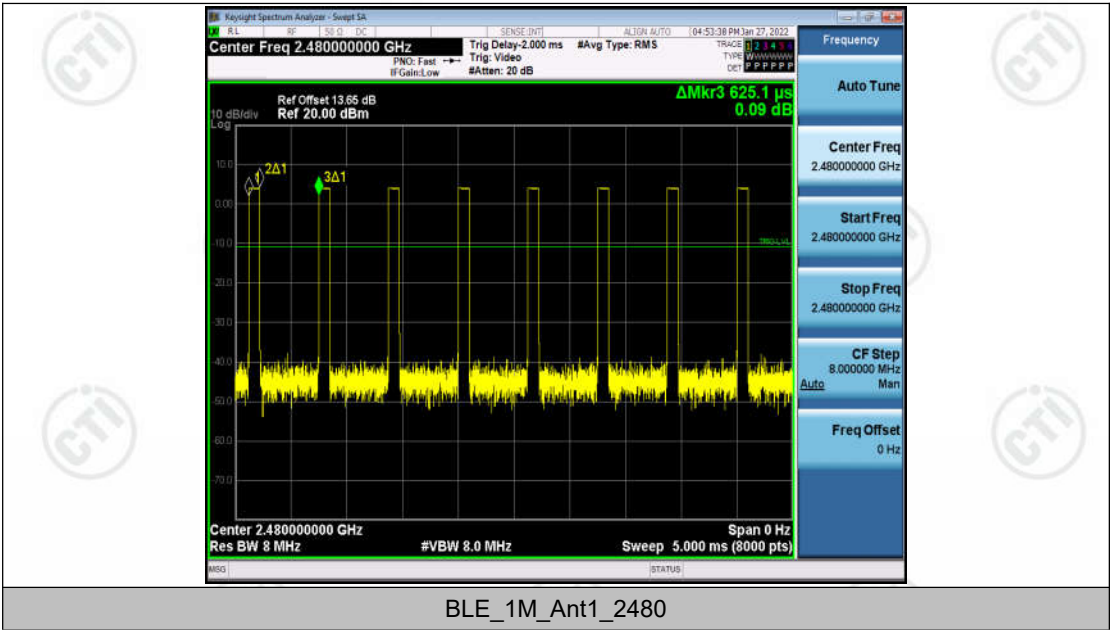
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.10	0.63	15.60	---	PASS
		2440	0.10	0.63	15.60	---	PASS
		2480	0.10	0.63	15.50	---	PASS

Test Graphs





*** End of Report ***