

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

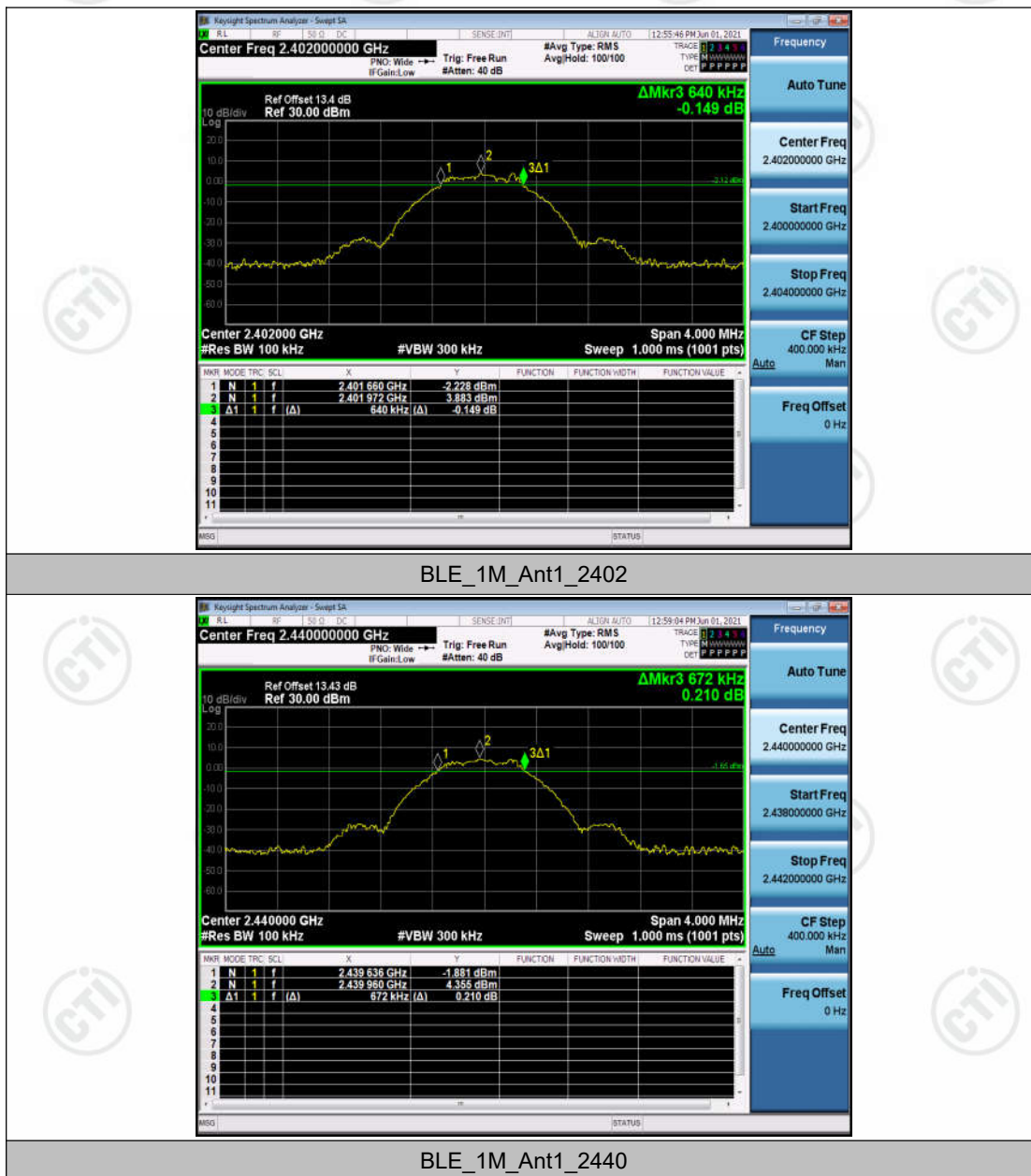
 Test Graphs.....24

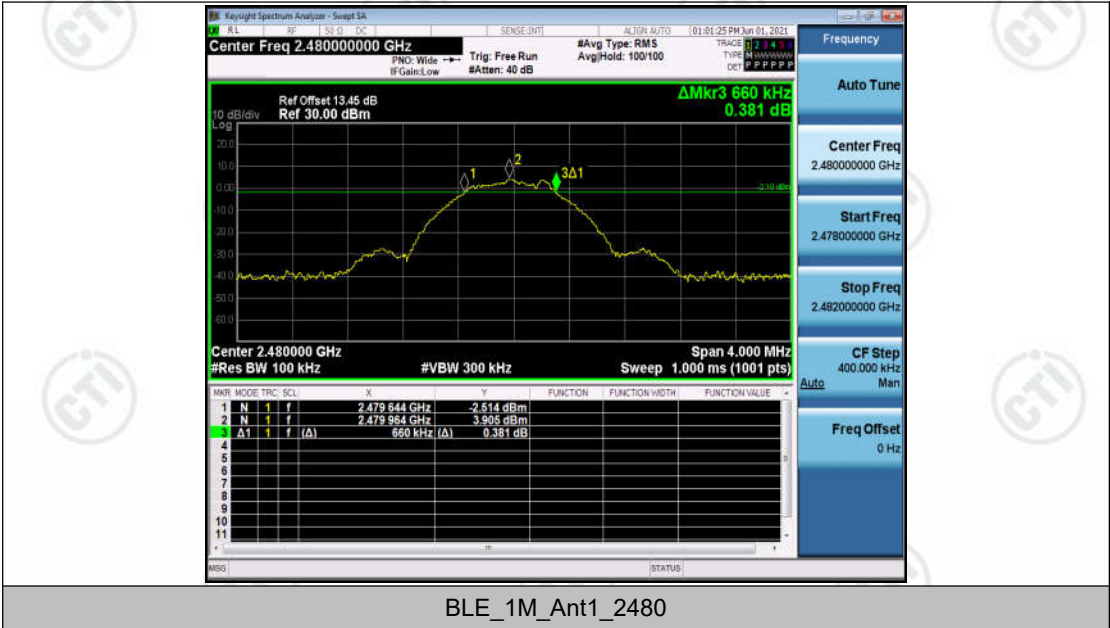
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.660	2402.300	0.5	PASS
		2440	0.672	2439.636	2440.308	0.5	PASS
		2480	0.660	2479.644	2480.304	0.5	PASS

Test Graphs





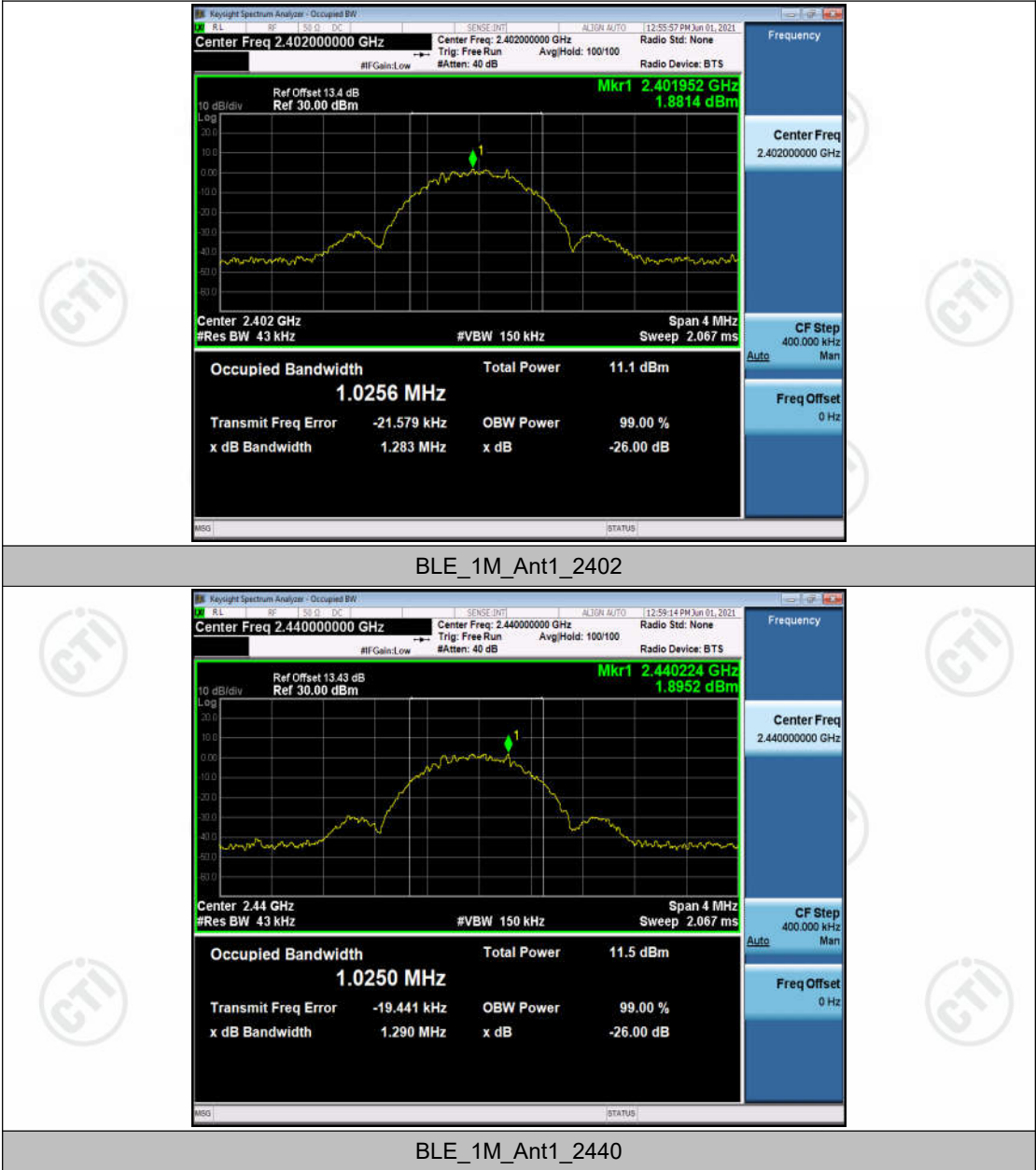
BLE_1M_Ant1_2480

Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0256	2401.466	2402.491	---	PASS
		2440	1.0250	2439.468	2440.493	---	PASS
		2480	1.0265	2479.466	2480.492	---	PASS

Test Graphs

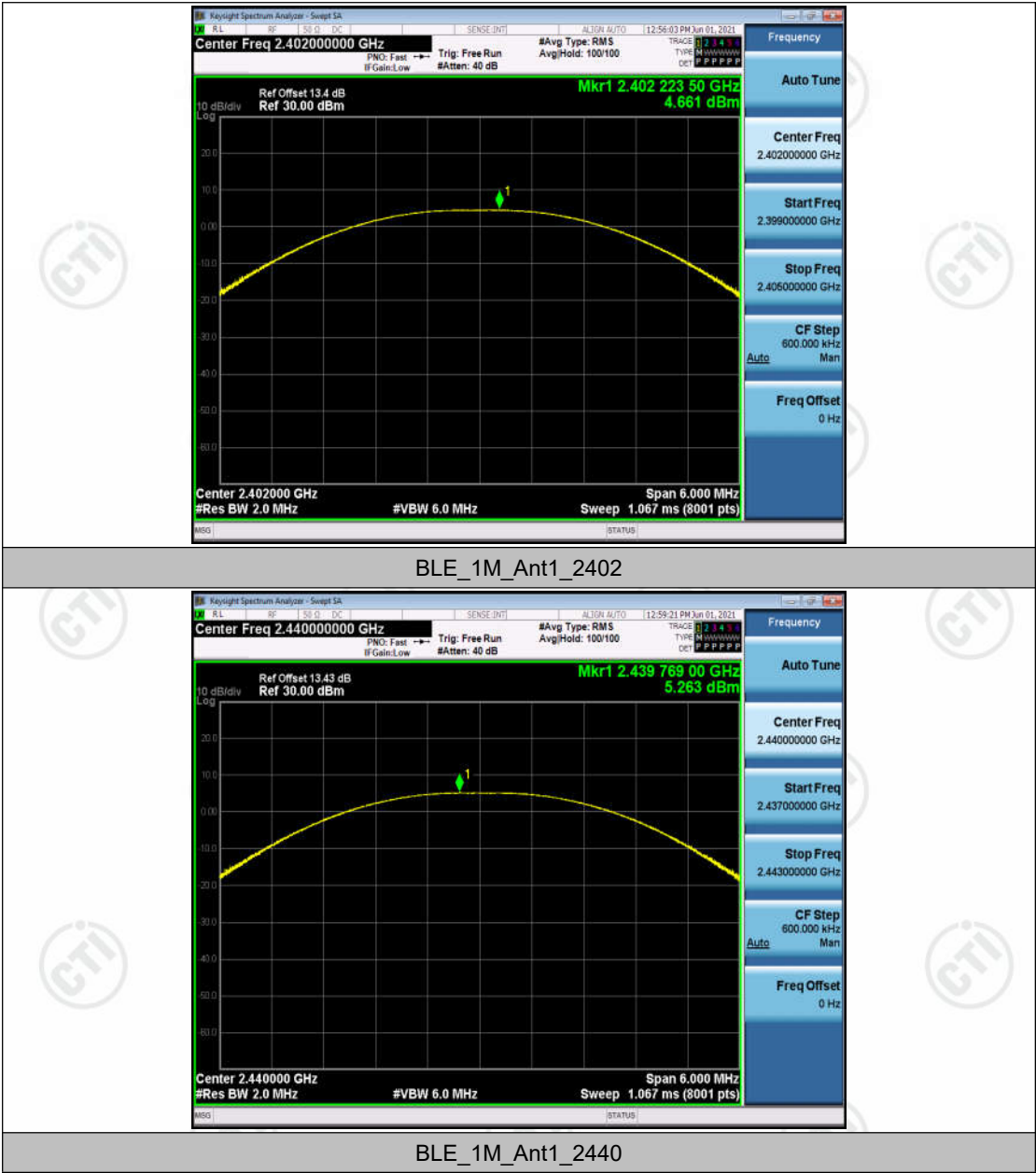


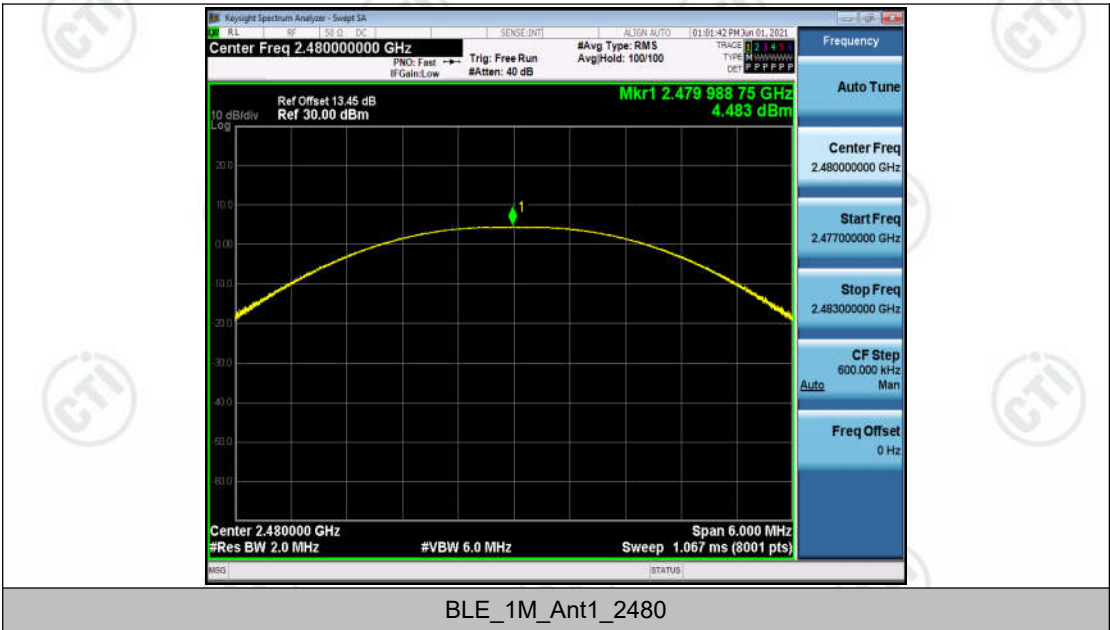
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.66	<=30	PASS
		2440	5.26	<=30	PASS
		2480	4.48	<=30	PASS

Test Graphs



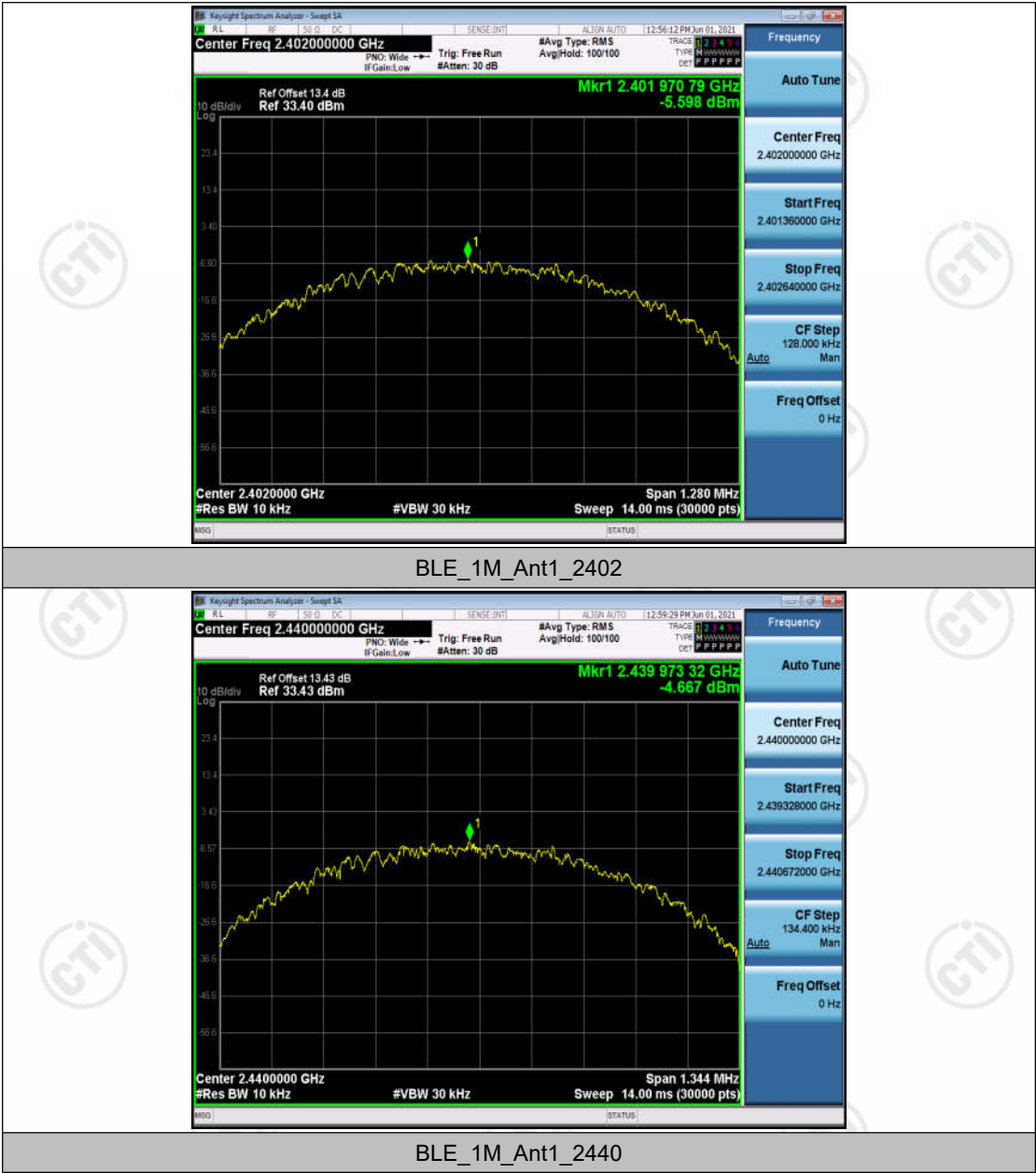


Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.6	<=8	PASS
		2440	-4.67	<=8	PASS
		2480	-5.38	<=8	PASS

Test Graphs



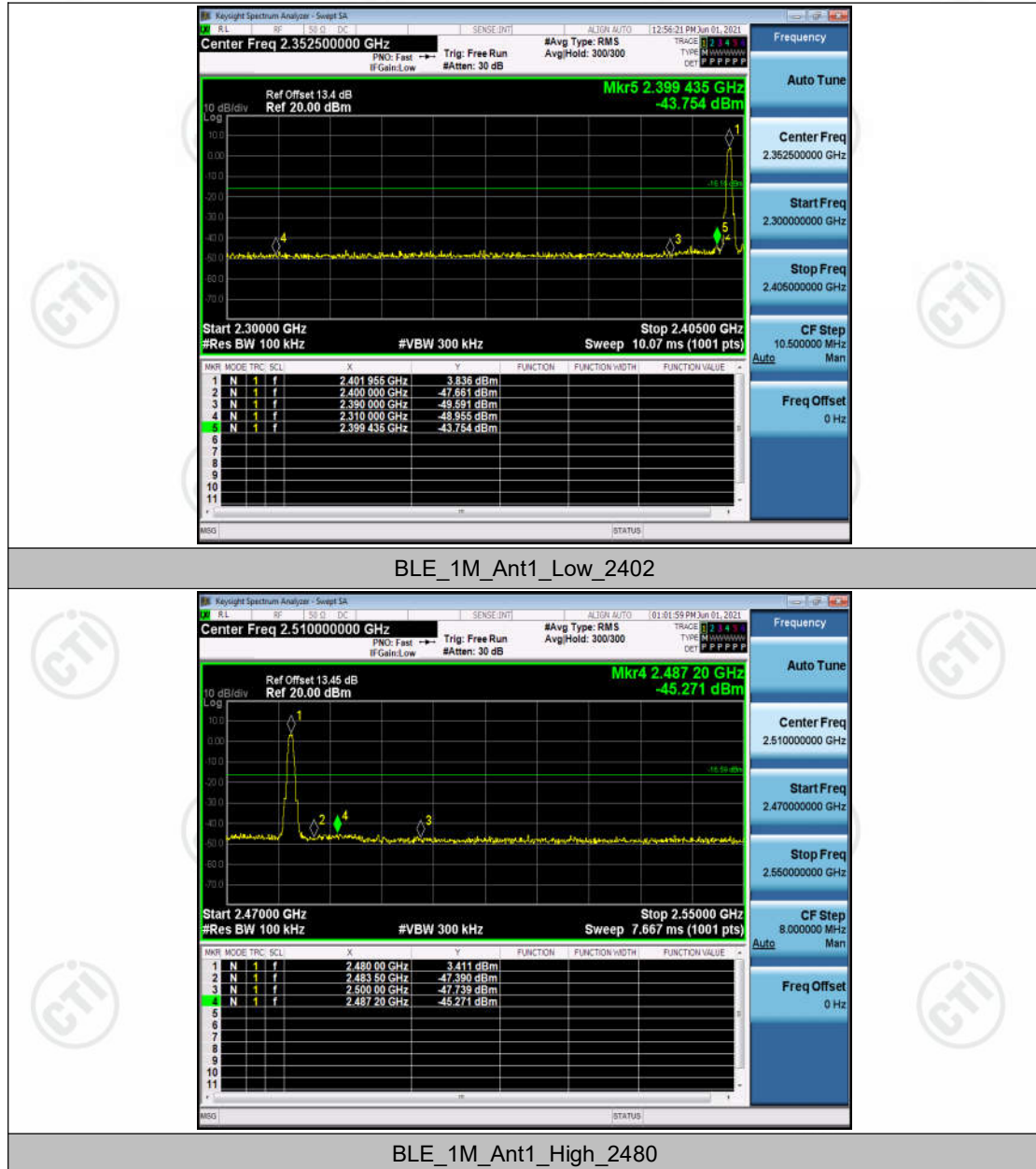


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.84	-43.75	<=-16.16	PASS
		High	2480	3.41	-45.27	<=-16.59	PASS

Test Graphs

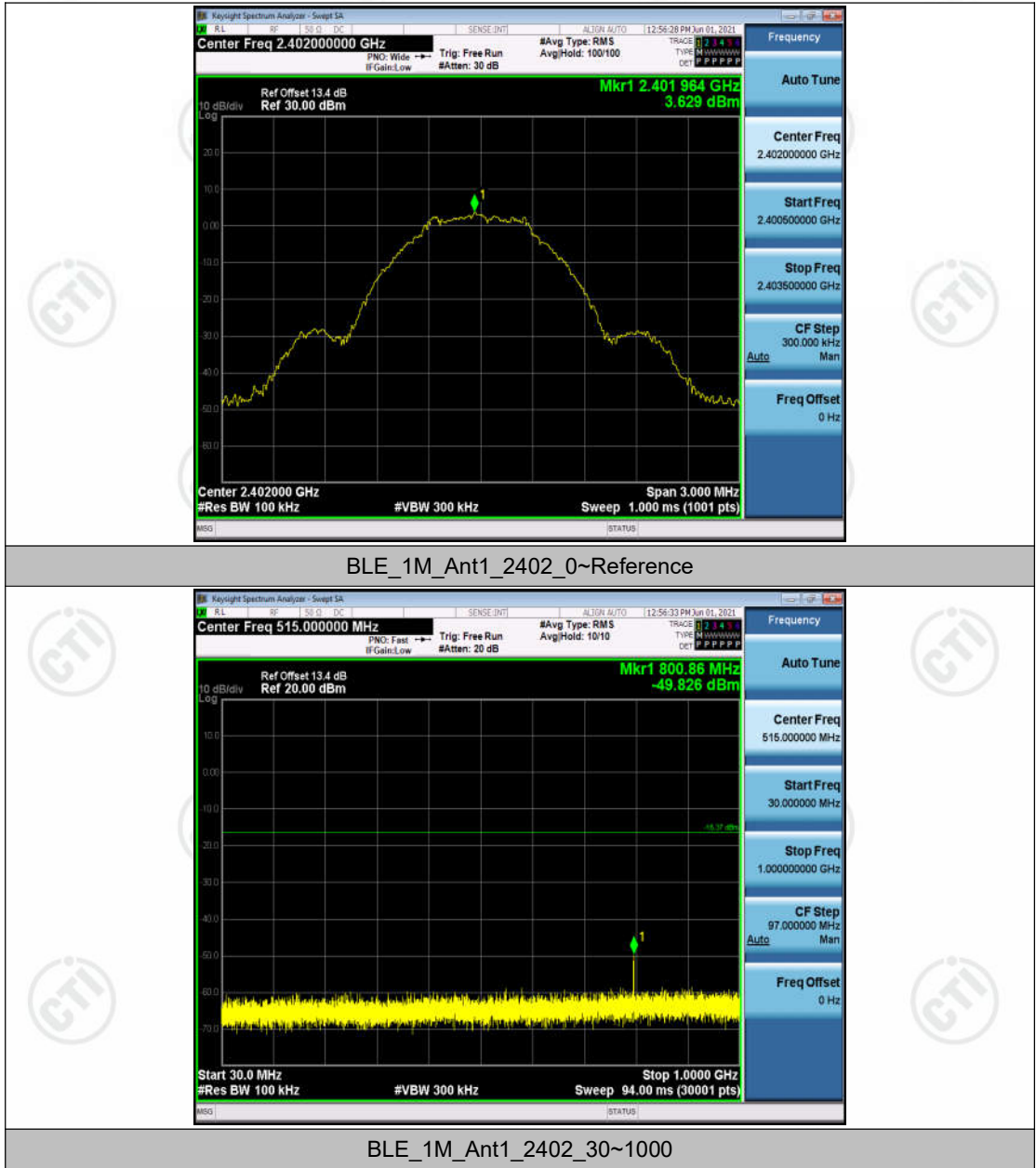


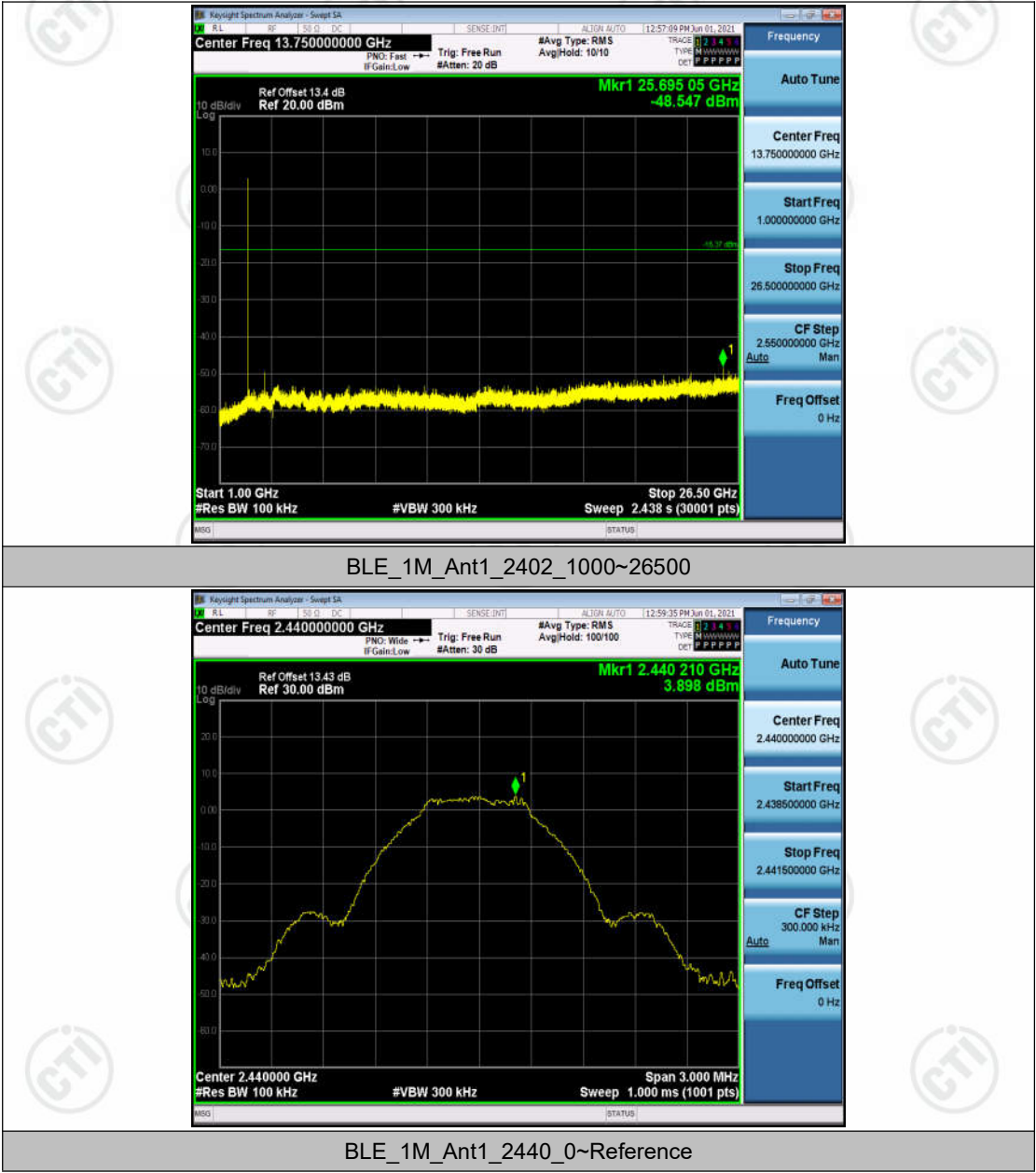
Appendix F: Conducted Spurious Emission

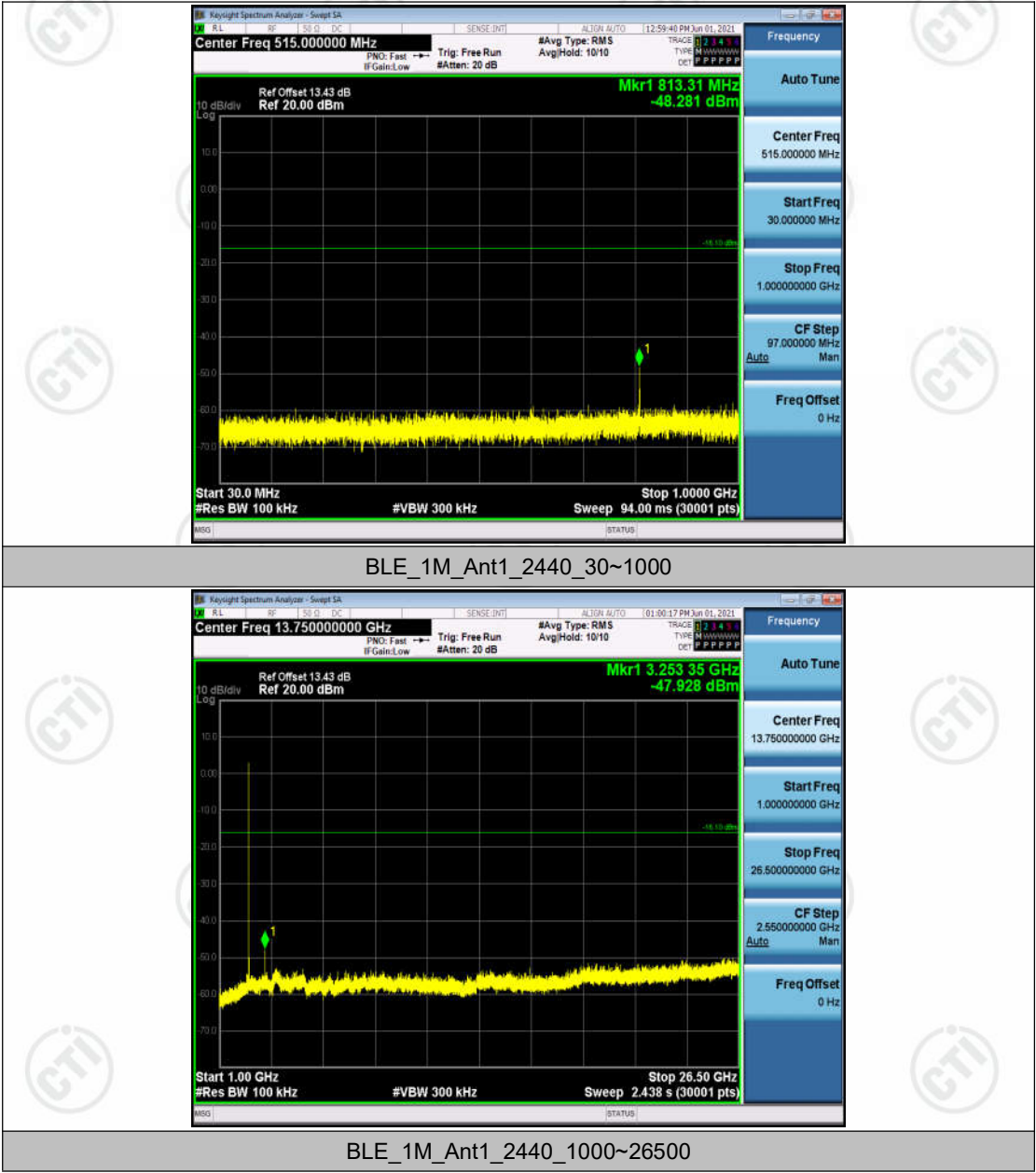
Test Result

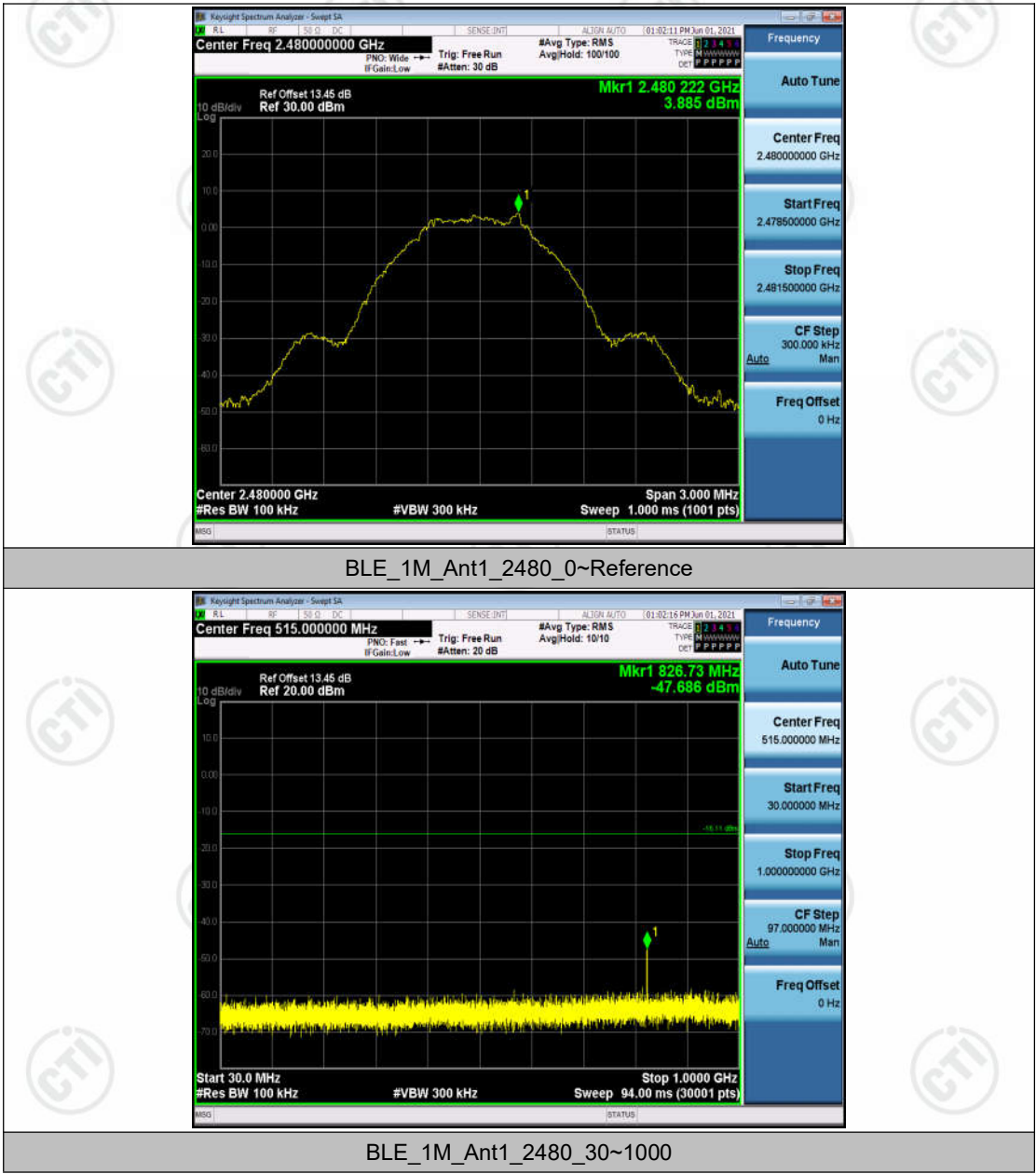
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.63	3.63	---	PASS
			30~1000	30~1000	-49.826	<=-16.371	PASS
			1000~26500	1000~26500	-48.547	<=-16.371	PASS
		2440	Reference	3.90	3.90	---	PASS
			30~1000	30~1000	-48.281	<=-16.102	PASS
			1000~26500	1000~26500	-47.928	<=-16.102	PASS
		2480	Reference	3.89	3.89	---	PASS
			30~1000	30~1000	-47.686	<=-16.115	PASS
			1000~26500	1000~26500	-48.127	<=-16.115	PASS

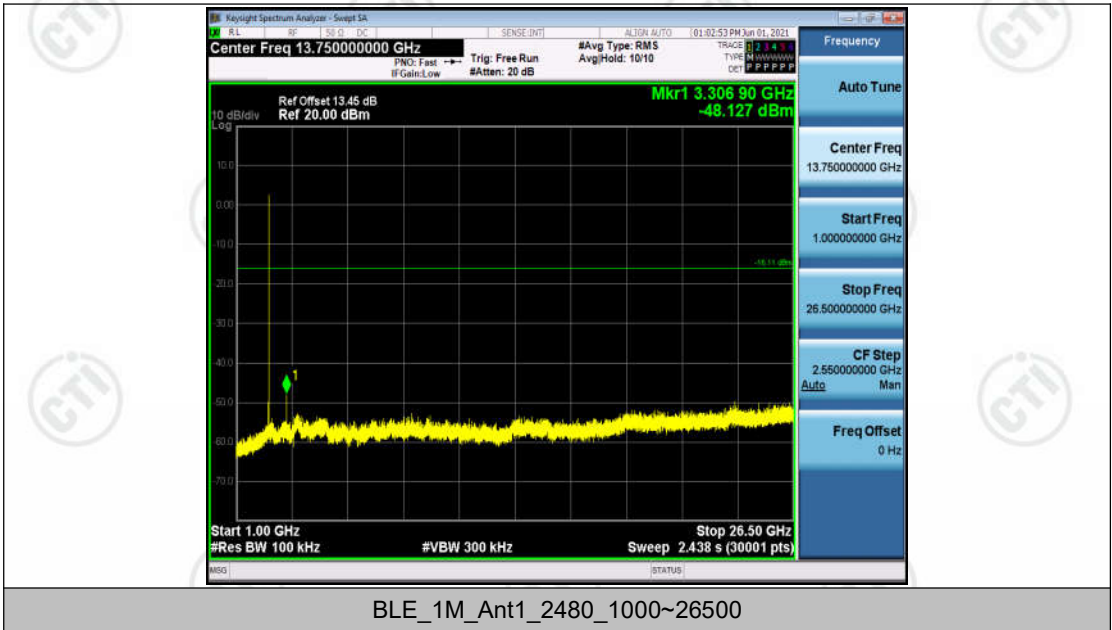
Test Graphs











Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.63	62.80	---	PASS
		2440	0.39	0.63	62.80	---	PASS
		2480	0.39	0.63	62.80	---	PASS

Test Graphs

