

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

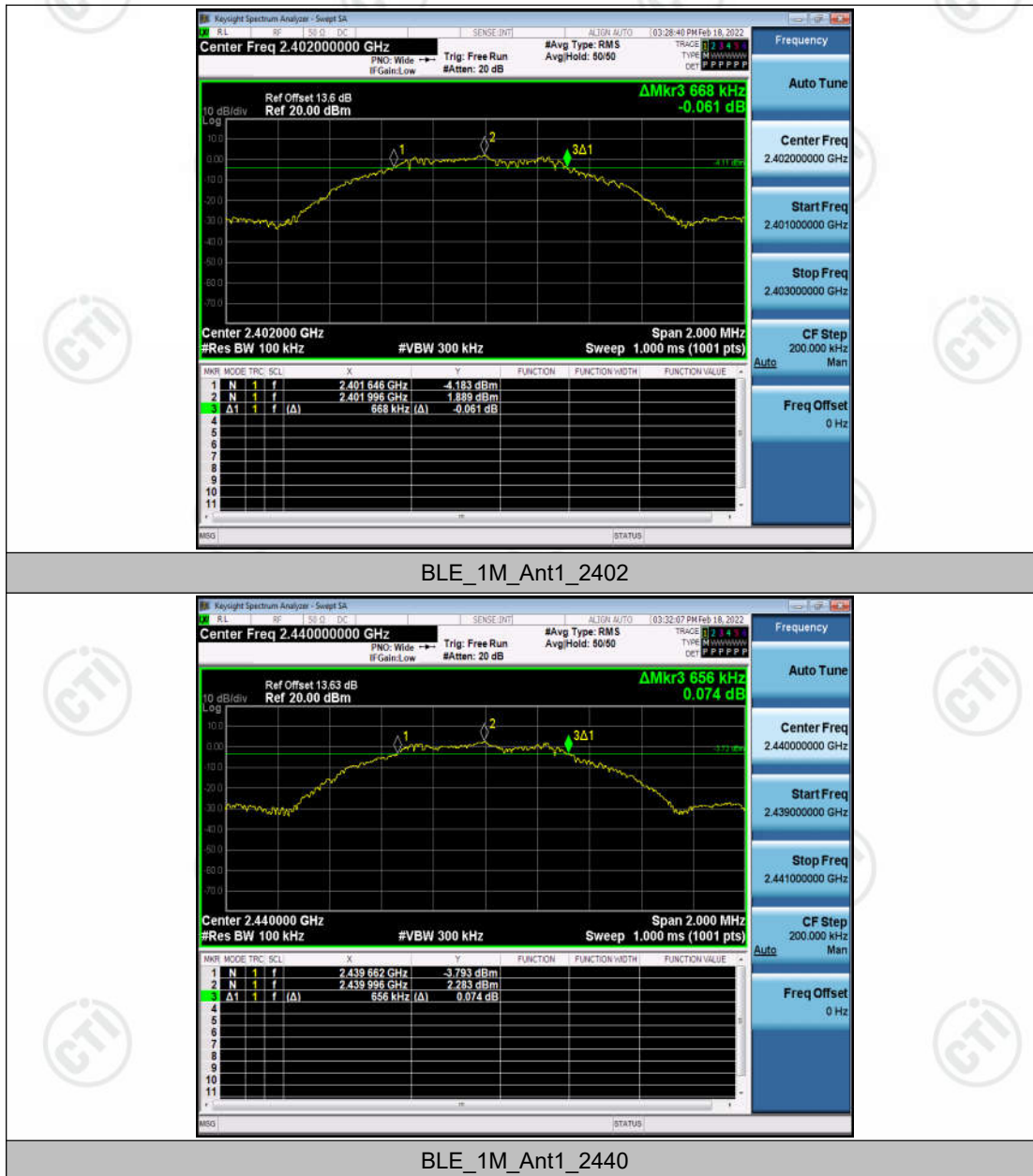
 Test Graphs.....24

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.646	2402.314	0.5	PASS
		2440	0.656	2439.662	2440.318	0.5	PASS
		2480	0.656	2479.658	2480.314	0.5	PASS

Test Graphs



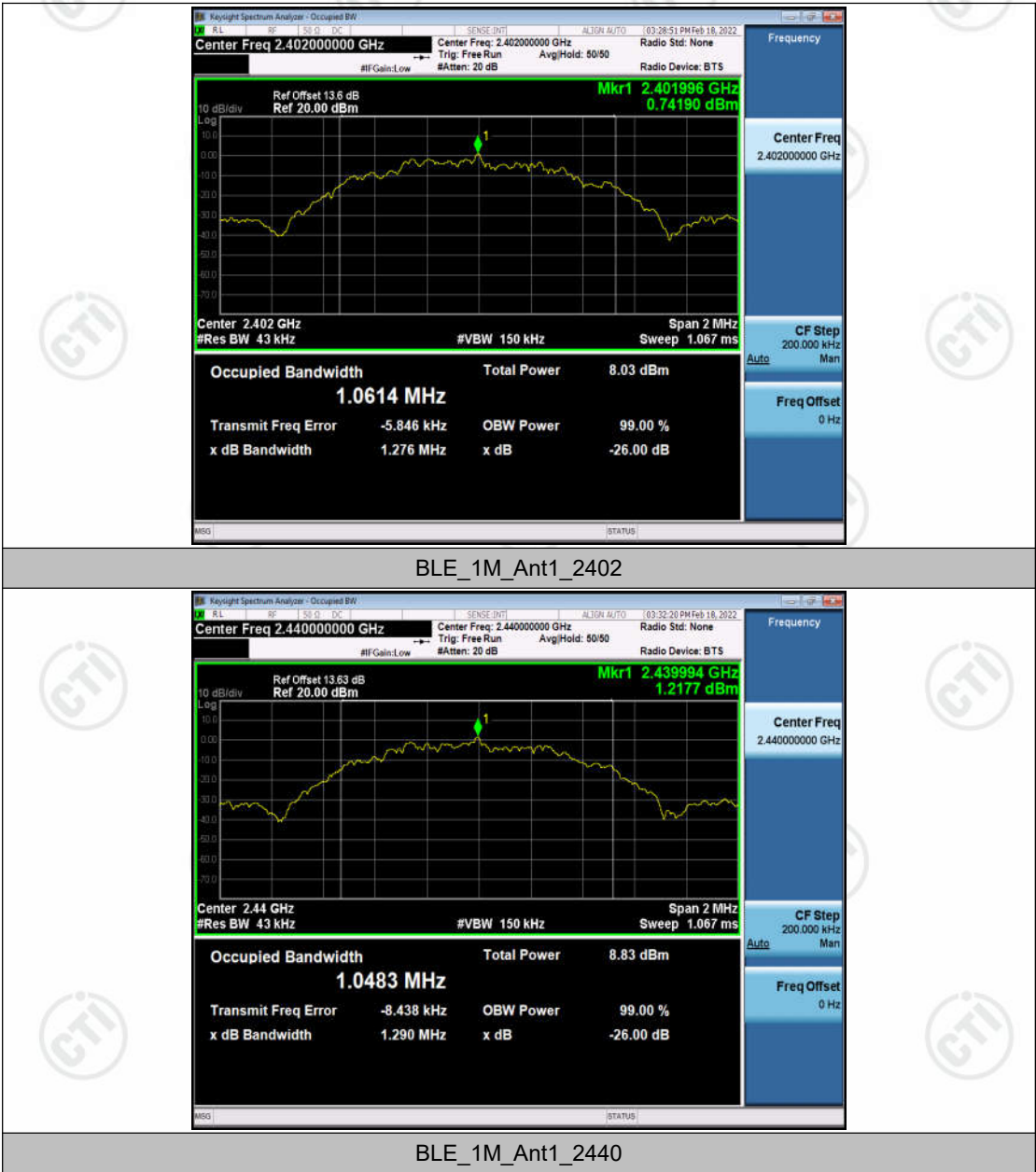


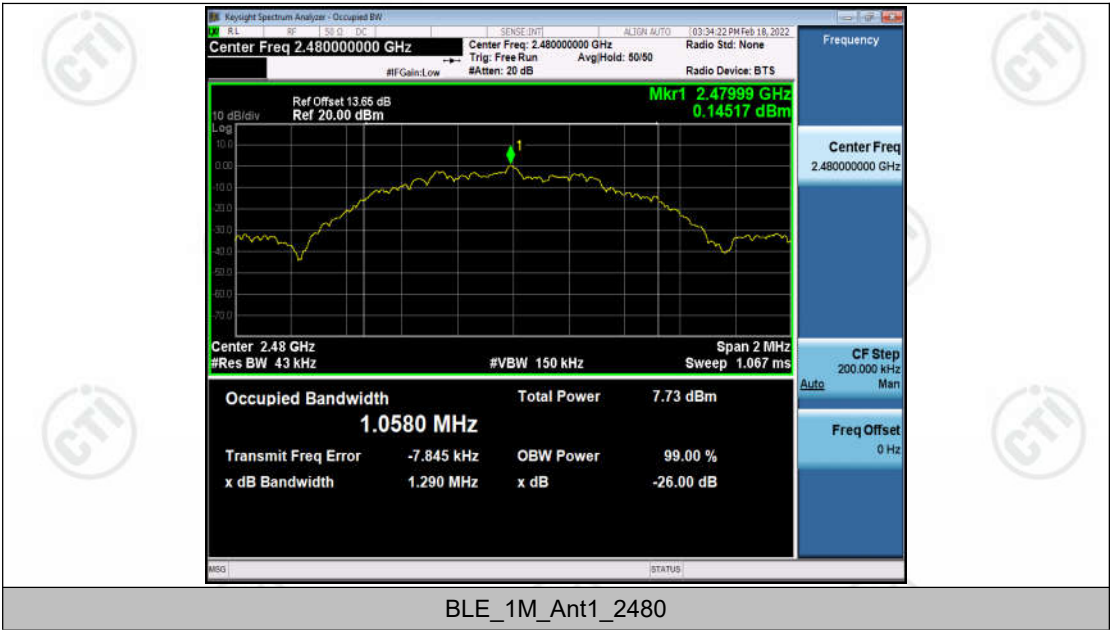
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0614	2401.463	2402.525	---	PASS
		2440	1.0483	2439.467	2440.516	---	PASS
		2480	1.0580	2479.463	2480.521	---	PASS

Test Graphs



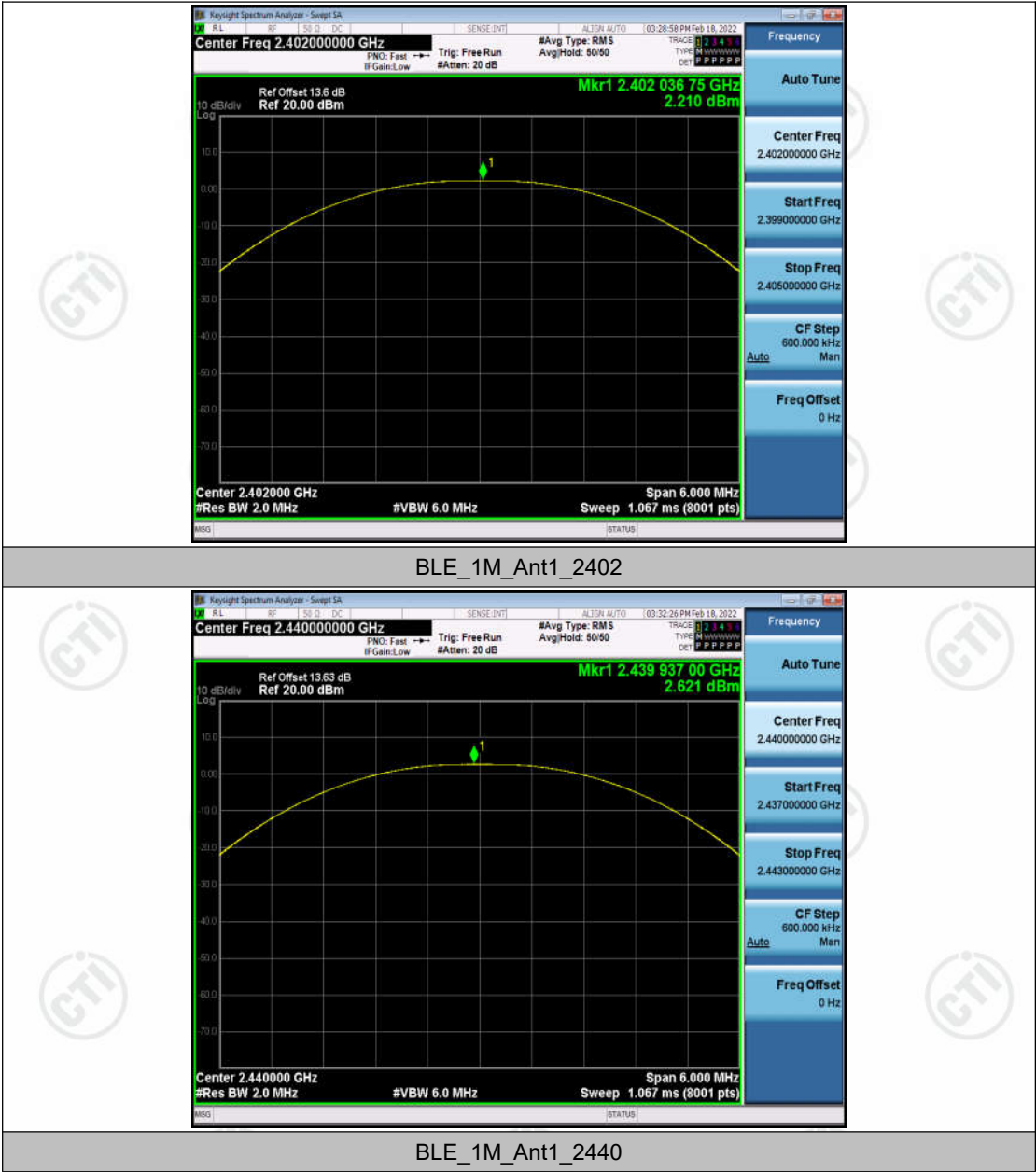


Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.21	<=30	PASS
		2440	2.62	<=30	PASS
		2480	1.49	<=30	PASS

Test Graphs

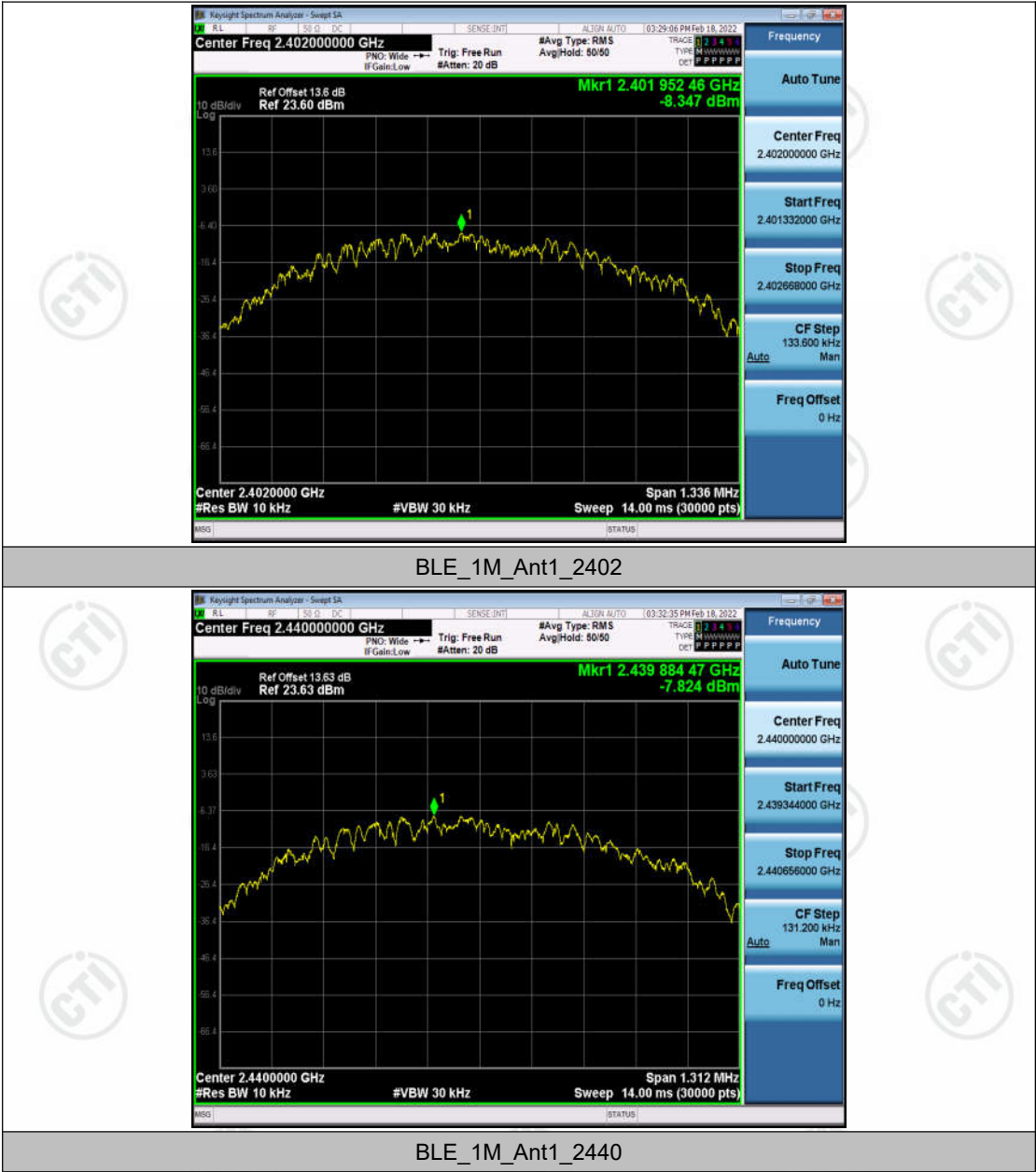


Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.35	<=8	PASS
		2440	-7.82	<=8	PASS
		2480	-8.96	<=8	PASS

Test Graphs



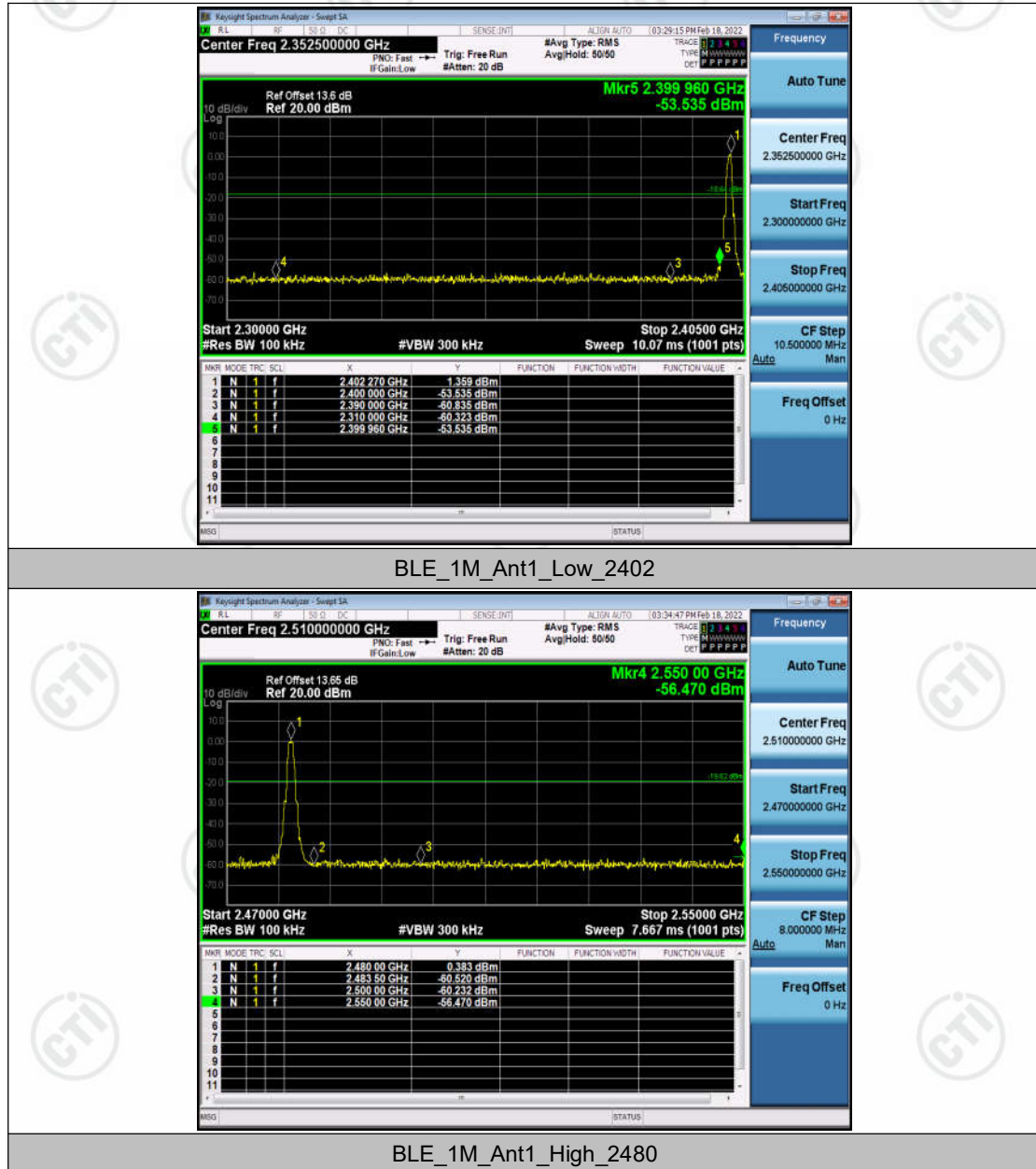


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.36	-53.54	<=-18.64	PASS
		High	2480	0.38	-56.47	<=-19.62	PASS

Test Graphs

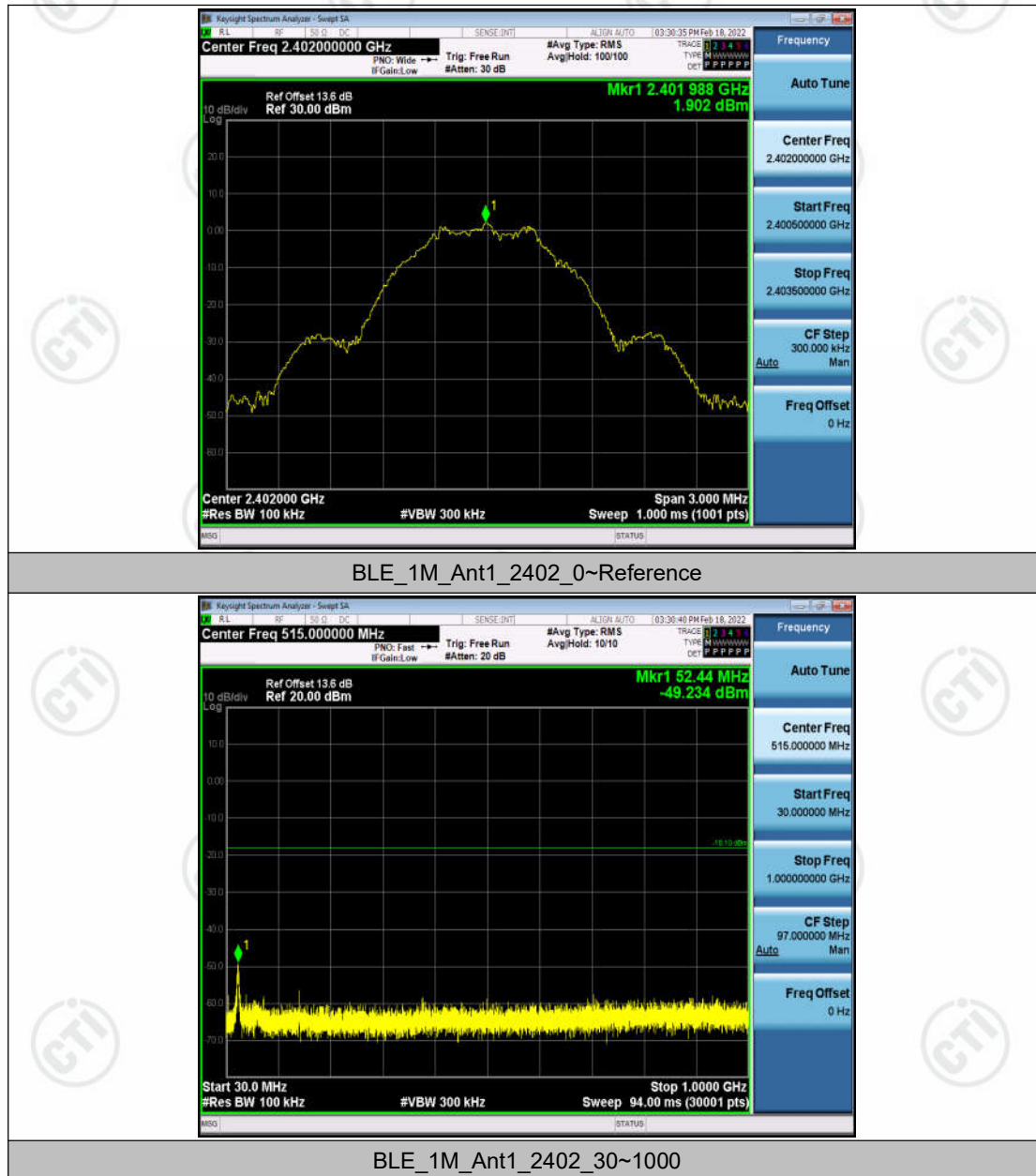


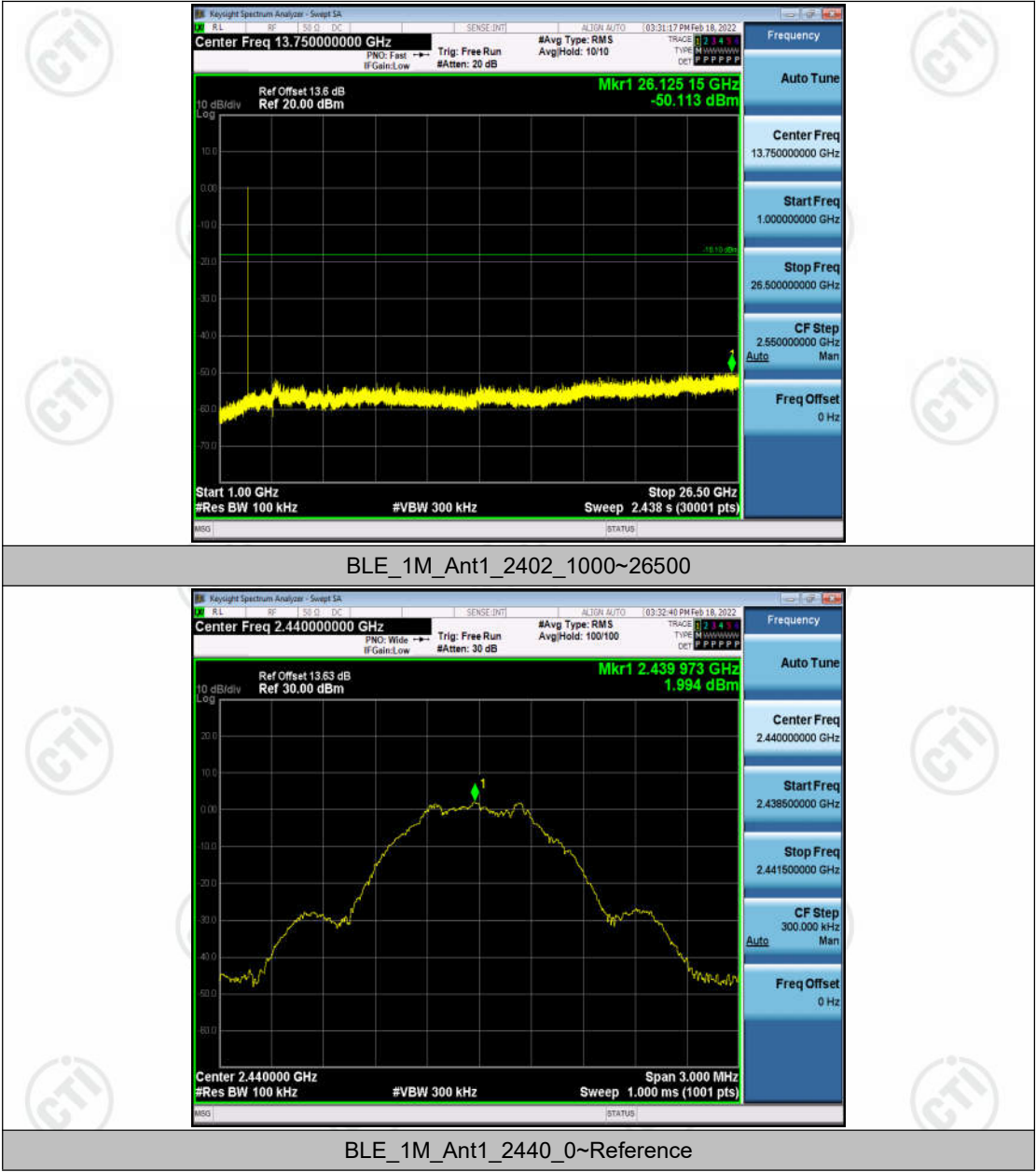
Appendix F: Conducted Spurious Emission

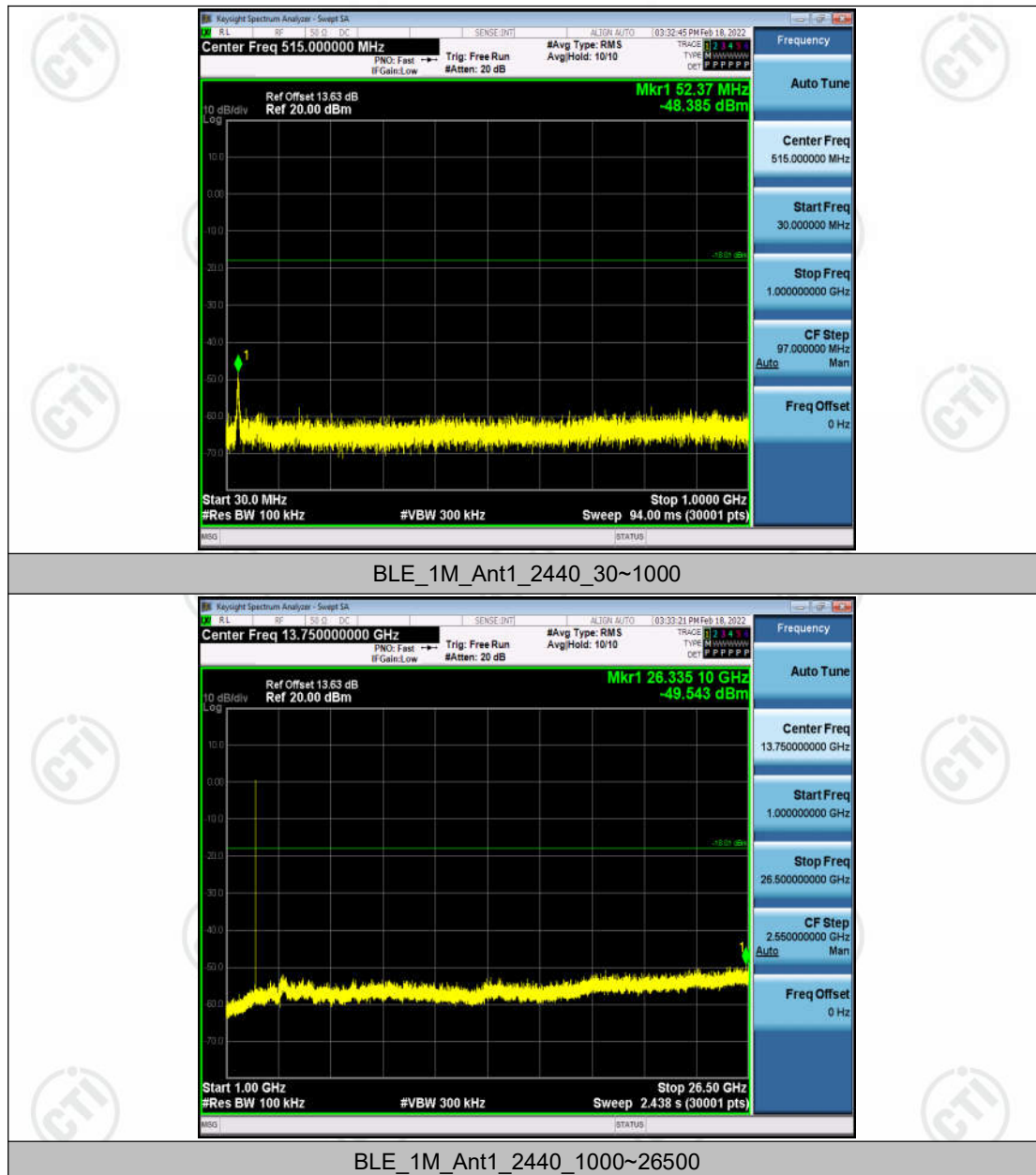
Test Result

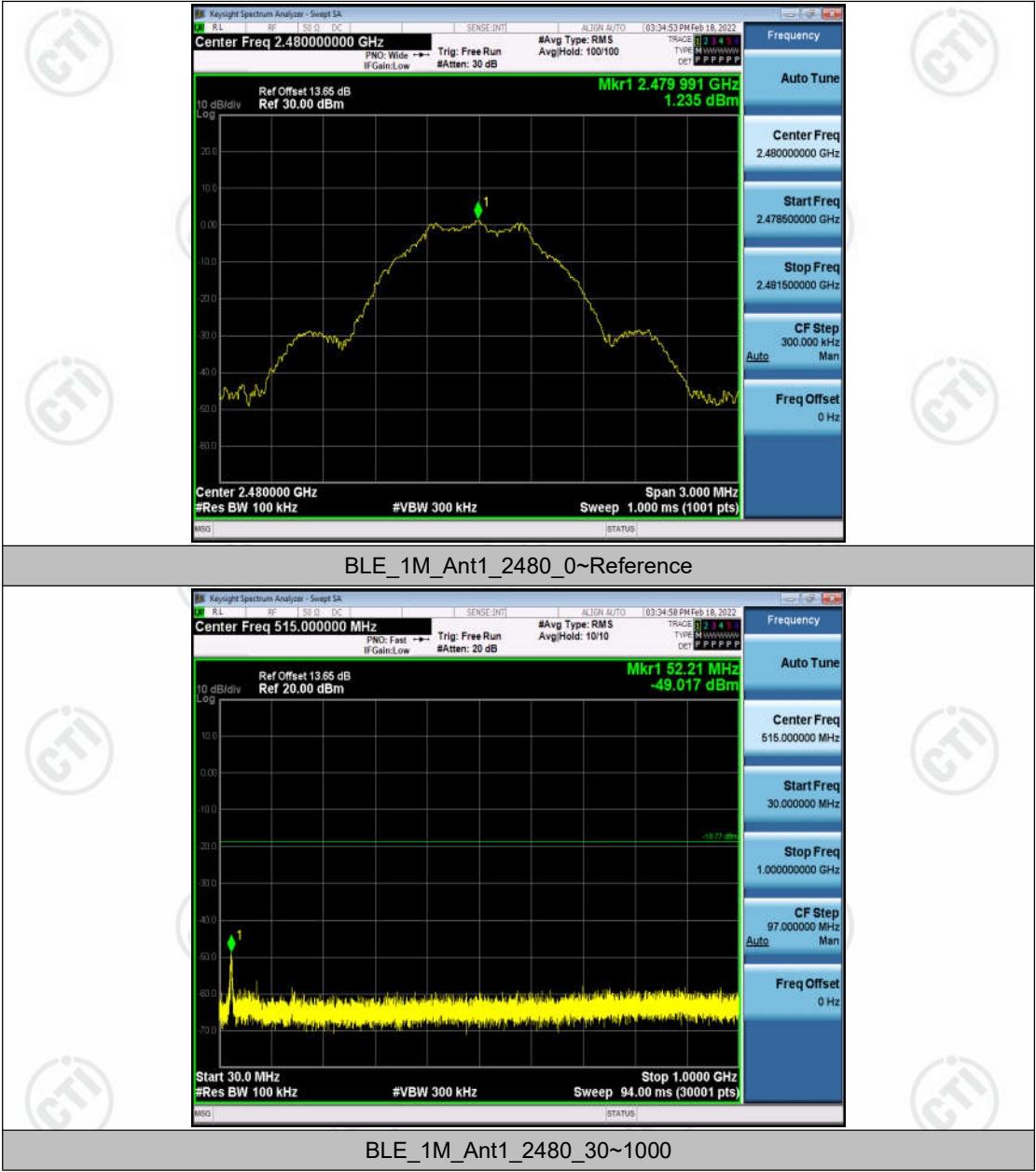
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.90	1.90	---	PASS
			30~1000	30~1000	-49.234	<=-18.098	PASS
			1000~26500	1000~26500	-50.113	<=-18.098	PASS
		2440	Reference	1.99	1.99	---	PASS
			30~1000	30~1000	-48.385	<=-18.006	PASS
			1000~26500	1000~26500	-49.543	<=-18.006	PASS
		2480	Reference	1.24	1.24	---	PASS
			30~1000	30~1000	-49.017	<=-18.765	PASS
			1000~26500	1000~26500	-48.462	<=-18.765	PASS

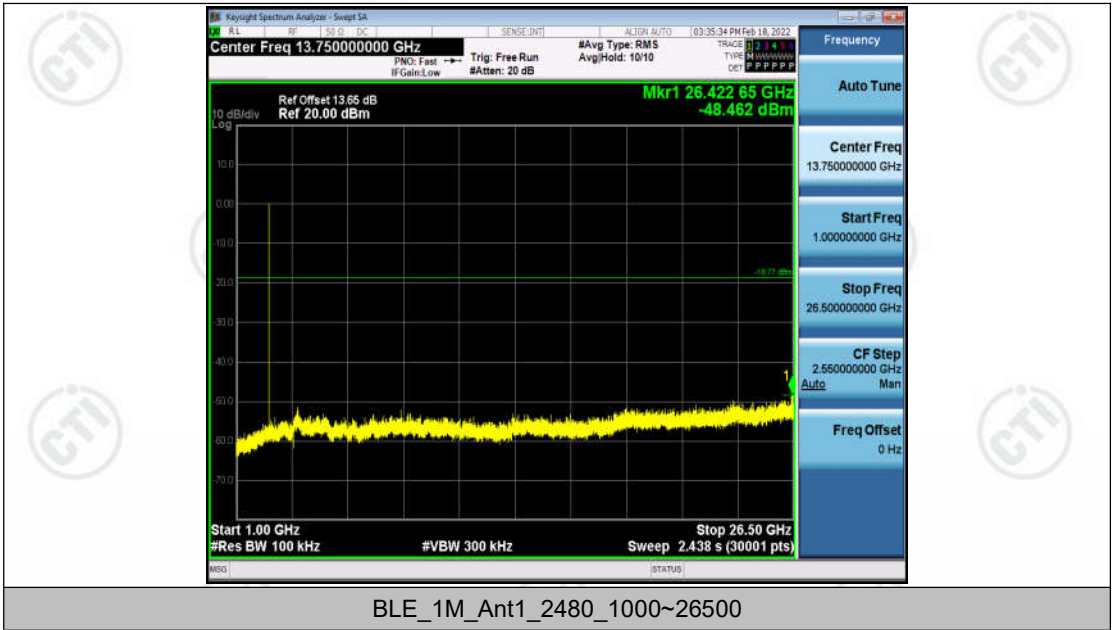
Test Graphs











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	62.60	---	PASS
		2440	0.39	0.63	62.60	---	PASS
		2480	0.39	0.63	62.60	---	PASS

Test Graphs



