

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	Ant1	2402	0.654	2401.672	2402.326	0.5	PASS
		2440	0.666	2439.664	2440.330	0.5	PASS
		2480	0.672	2479.660	2480.332	0.5	PASS

Test Graphs



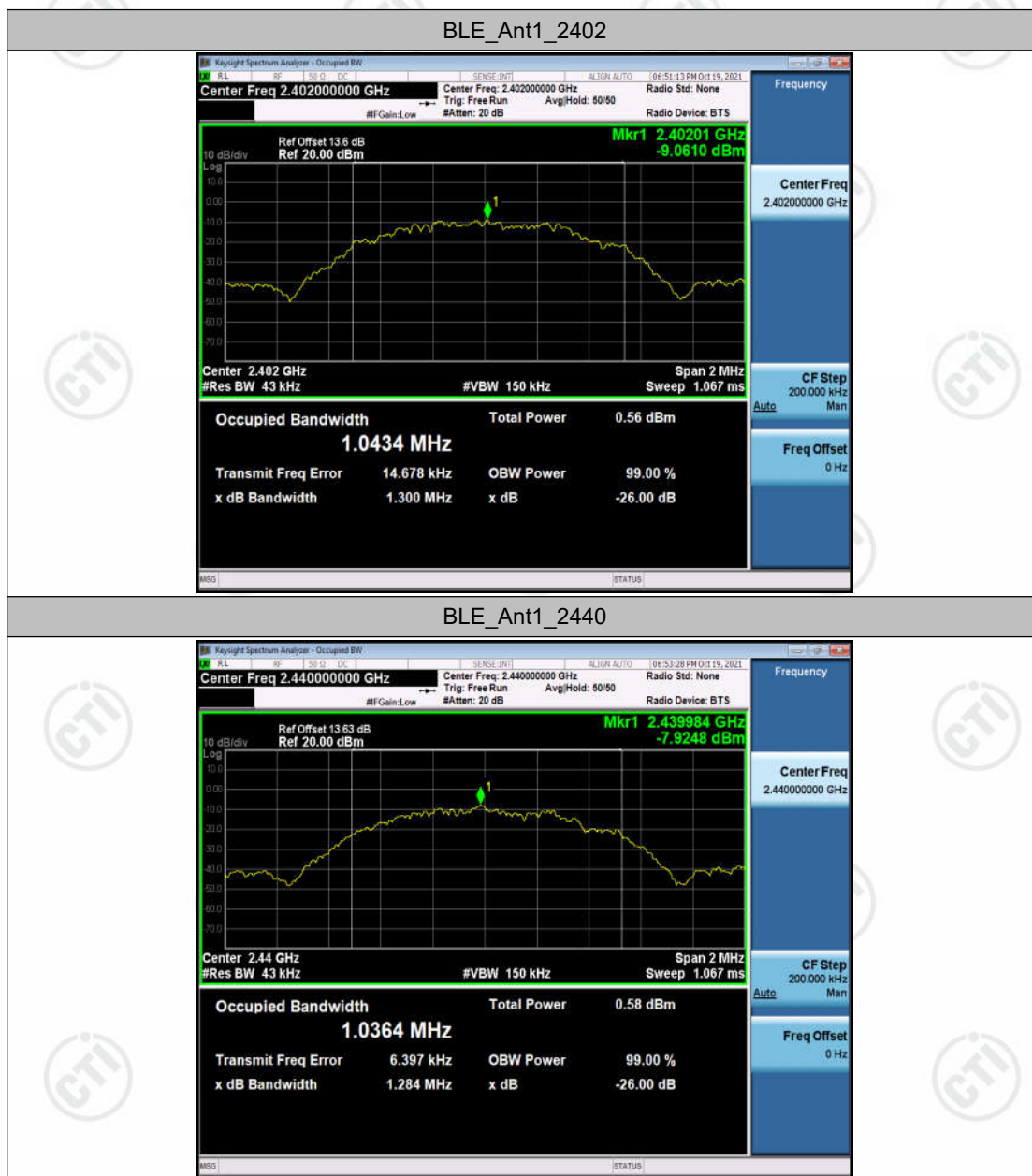


Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0434	2401.493	2402.536	---	PASS
		2440	1.0364	2439.488	2440.525	---	PASS
		2480	1.0361	2479.485	2480.521	---	PASS

Test Graphs



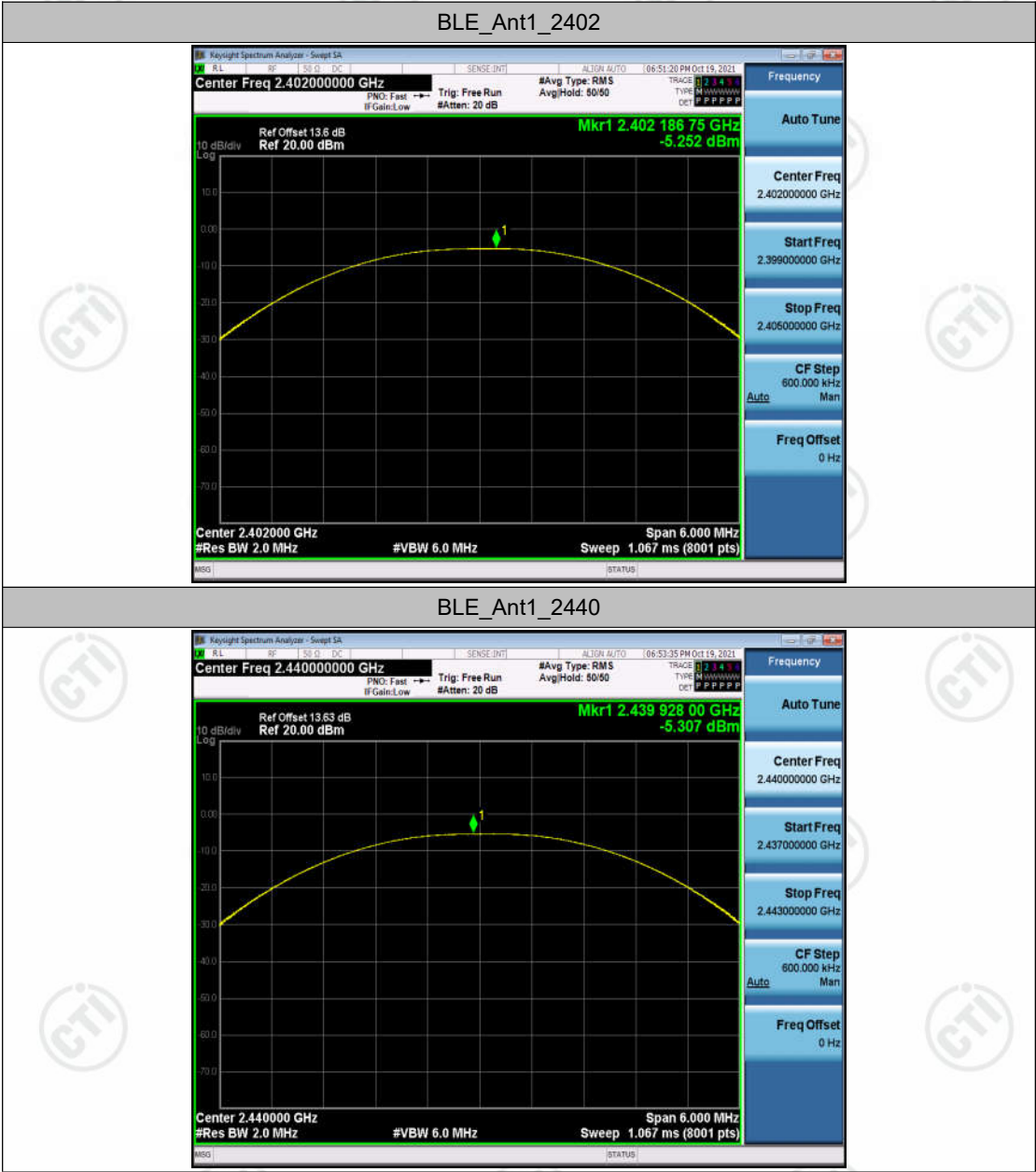


Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	-5.25	<=30	PASS
		2440	-5.31	<=30	PASS
		2480	-6.84	<=30	PASS

Test Graphs



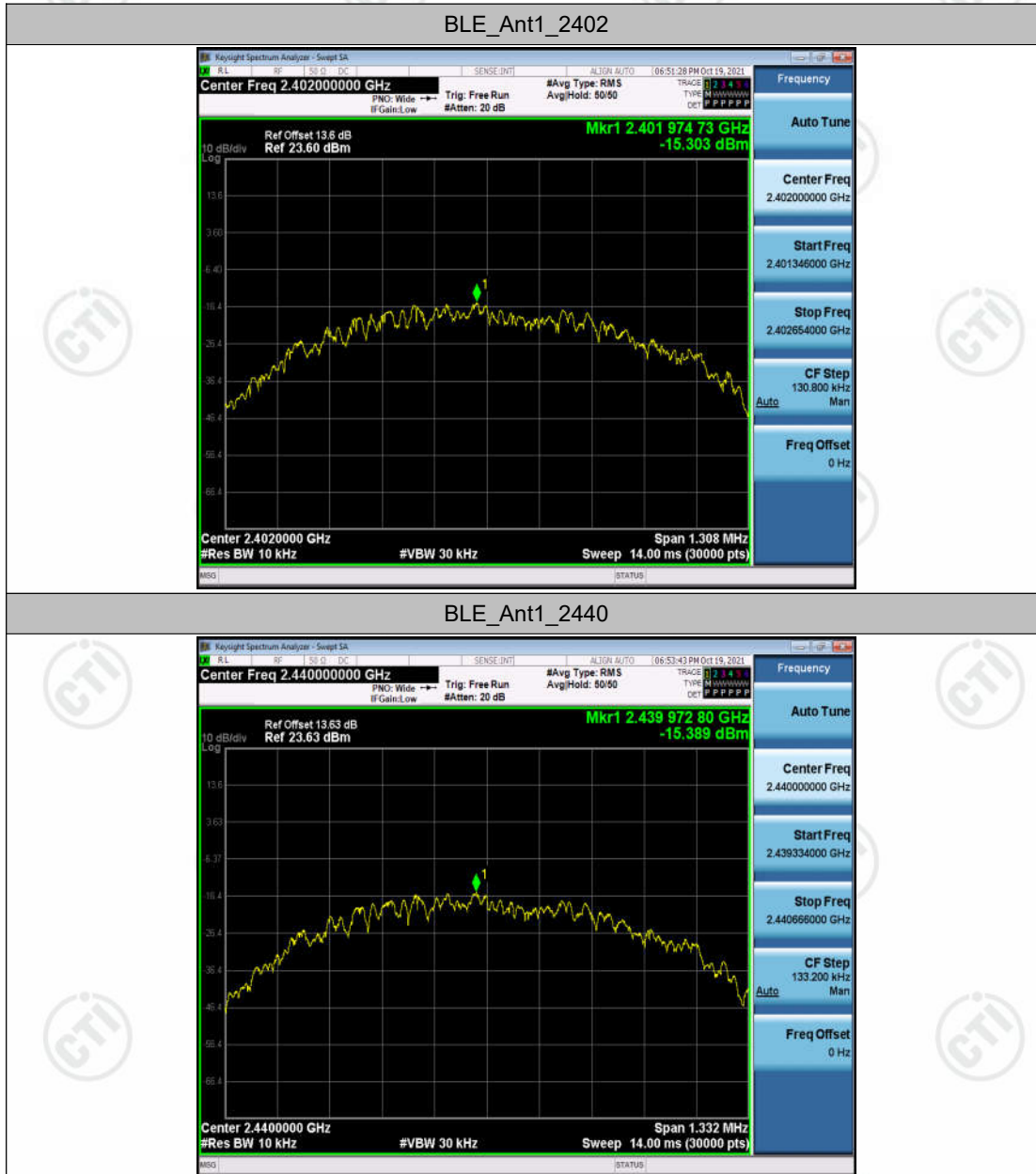


Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-15.3	<=8	PASS
		2440	-15.39	<=8	PASS
		2480	-16.88	<=8	PASS

Test Graphs



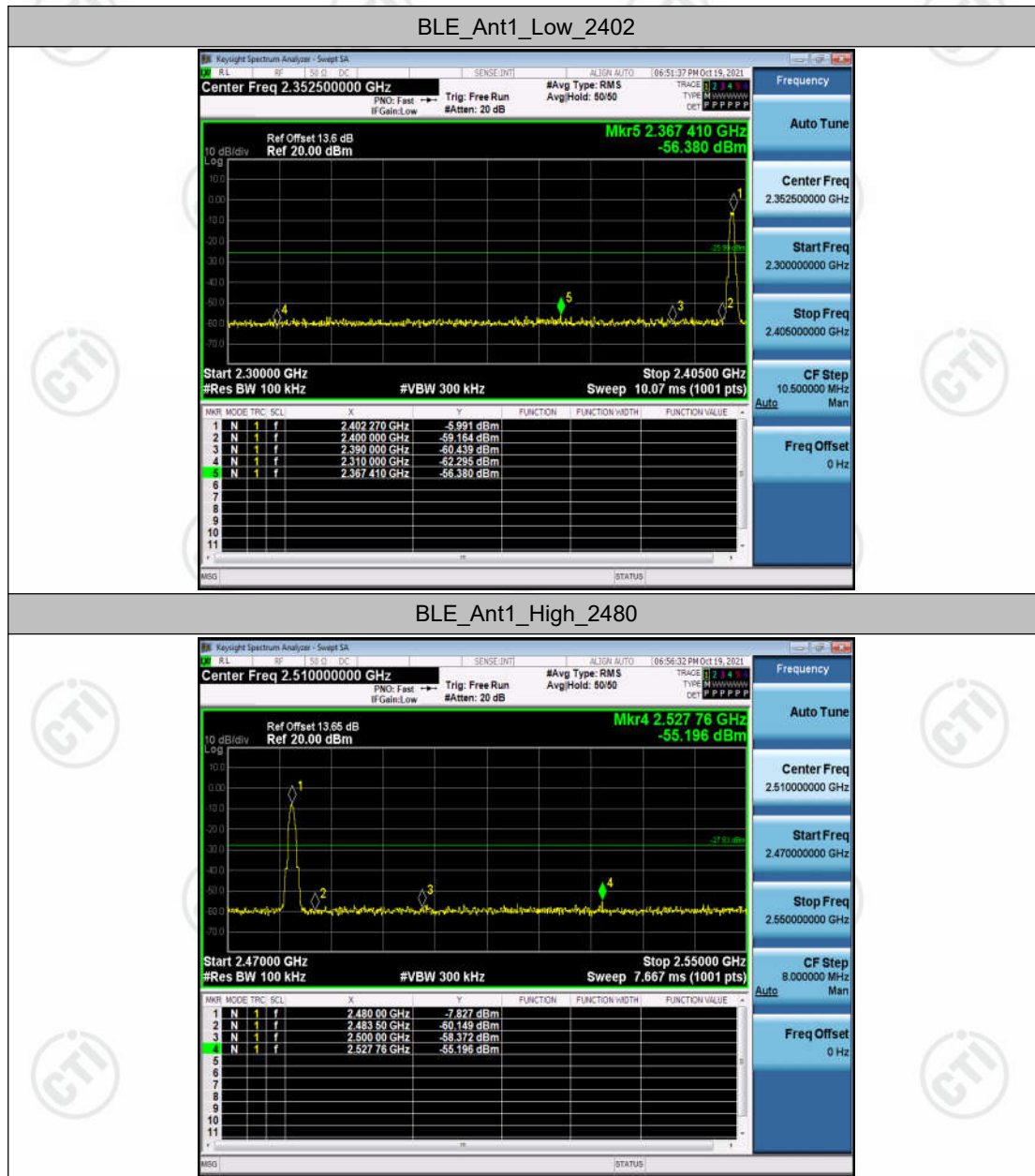


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-5.99	-56.38	<=-25.99	PASS
		High	2480	-7.83	-55.2	<=-27.83	PASS

Test Graphs

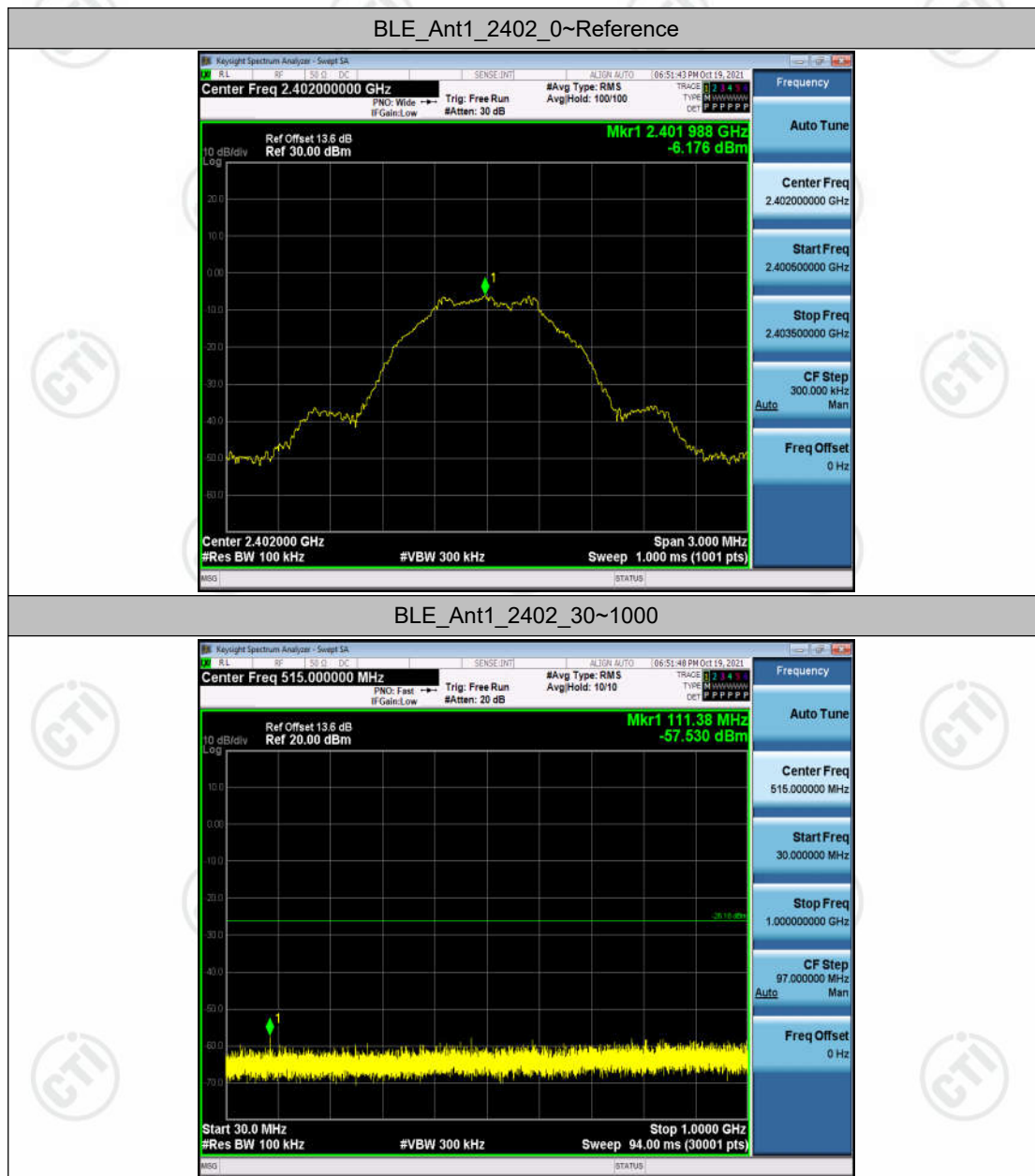


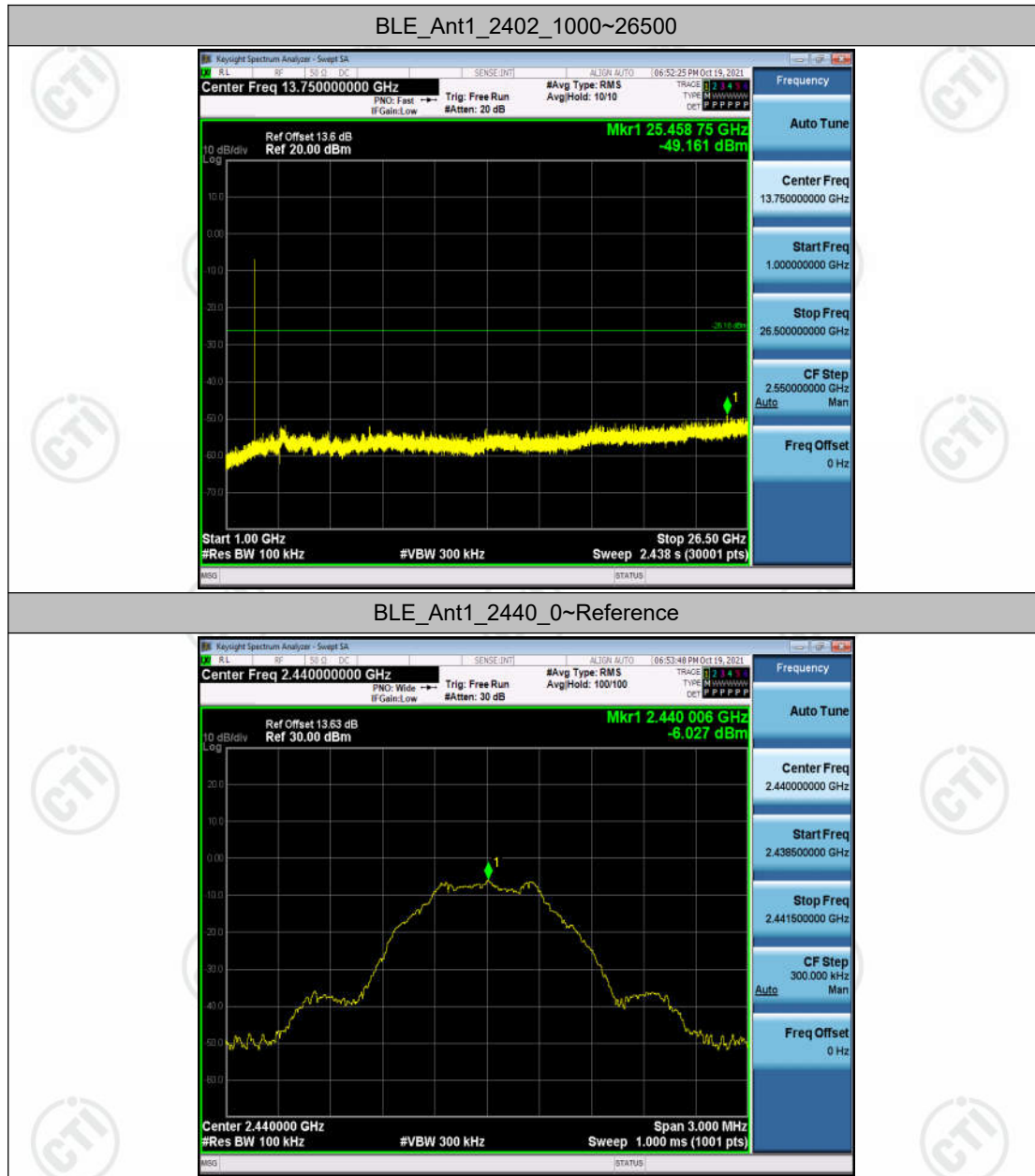
Appendix F: Conducted Spurious Emission

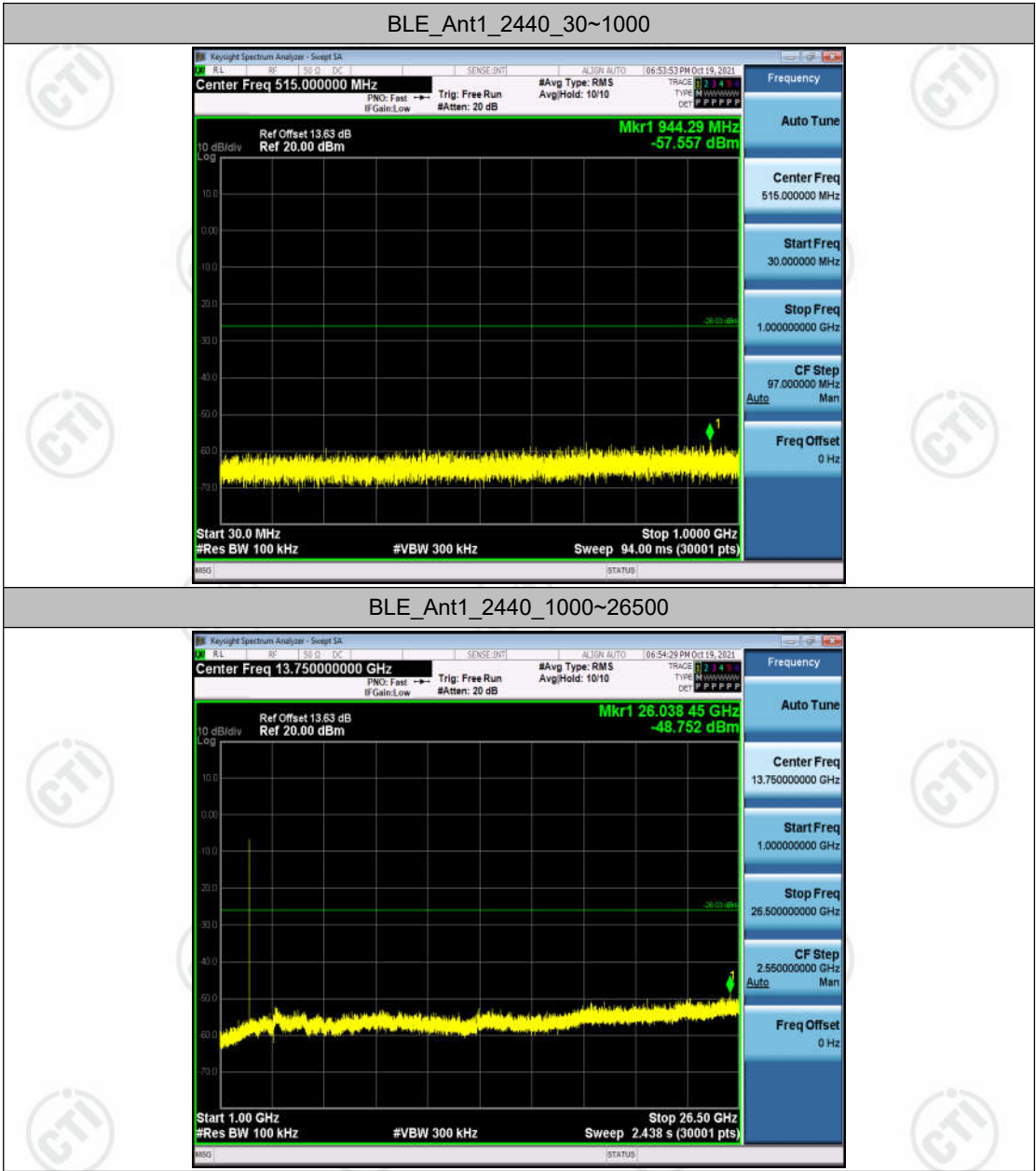
Test Result

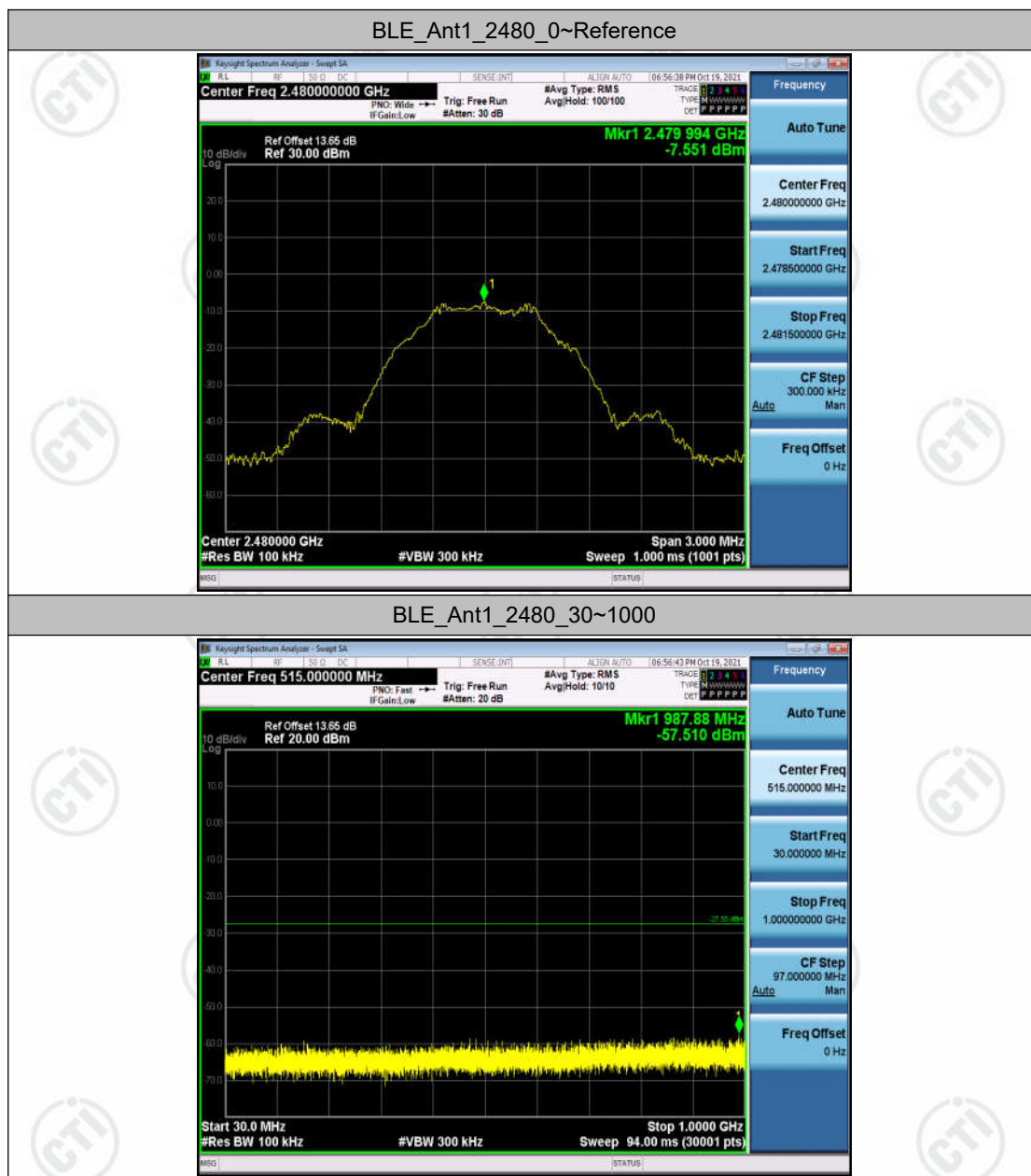
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-6.18	-6.18	---	PASS
			30~1000	---	-57.53	<=-26.176	PASS
			1000~26500	---	-49.161	<=-26.176	PASS
		2440	Reference	-6.03	-6.03	---	PASS
			30~1000	---	-57.557	<=-26.027	PASS
			1000~26500	---	-48.752	<=-26.027	PASS
		2480	Reference	-7.55	-7.55	---	PASS
			30~1000	---	-57.51	<=-27.551	PASS
			1000~26500	---	-46.976	<=-27.551	PASS

Test Graphs









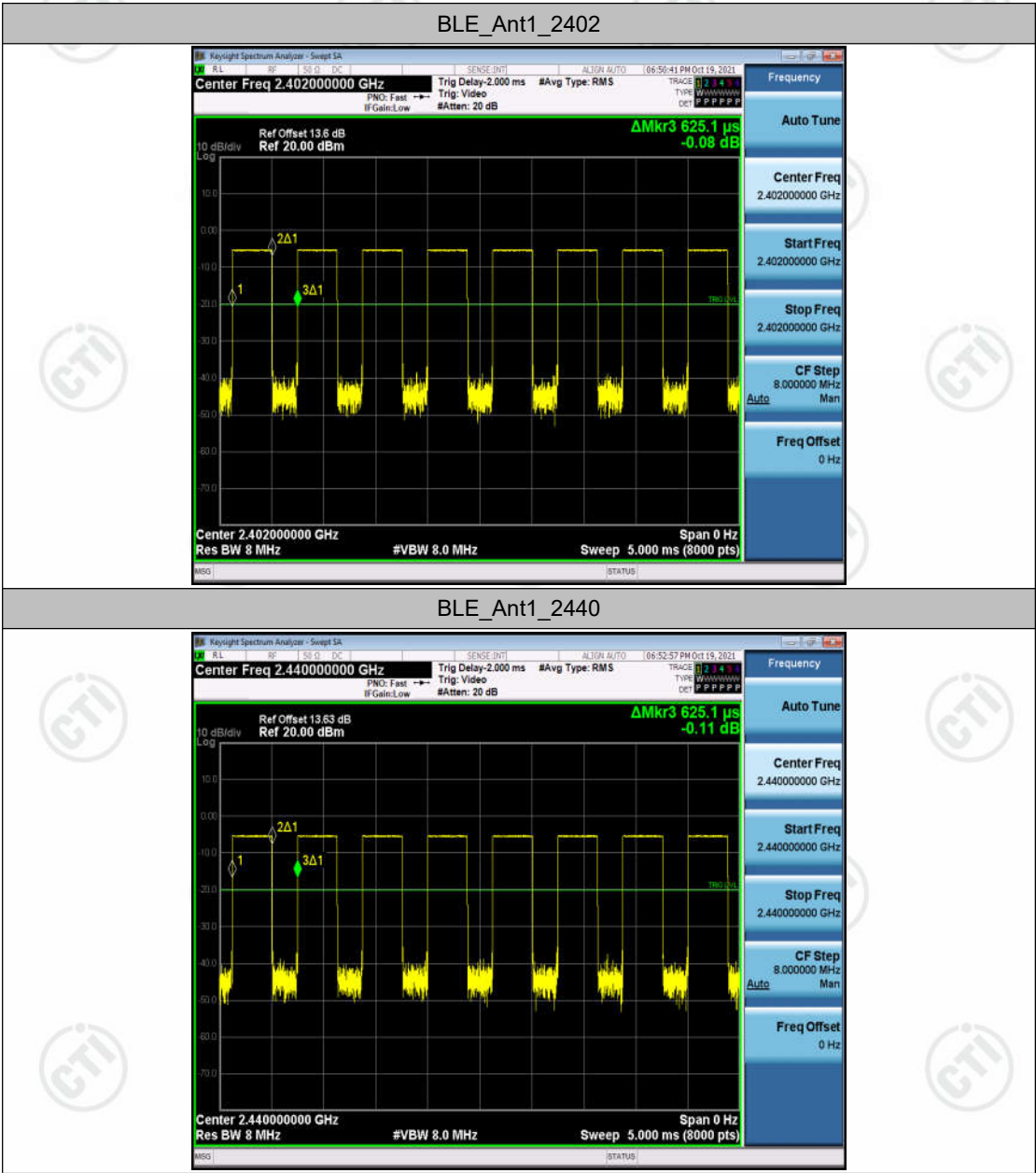


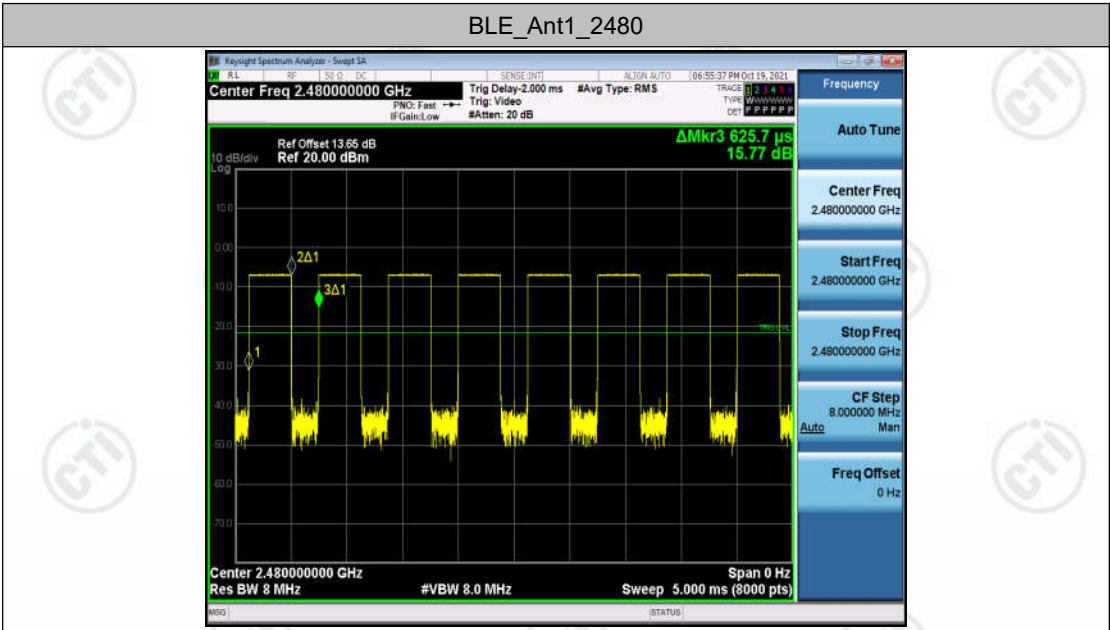
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE	Ant1	2402	0.38	0.63	61.20	---	PASS
		2440	0.38	0.63	61.20	---	PASS
		2480	0.38	0.63	61.14	---	PASS

Test Graphs





*** End of Report ***