

Appendix: Bluetooth LE

Contents

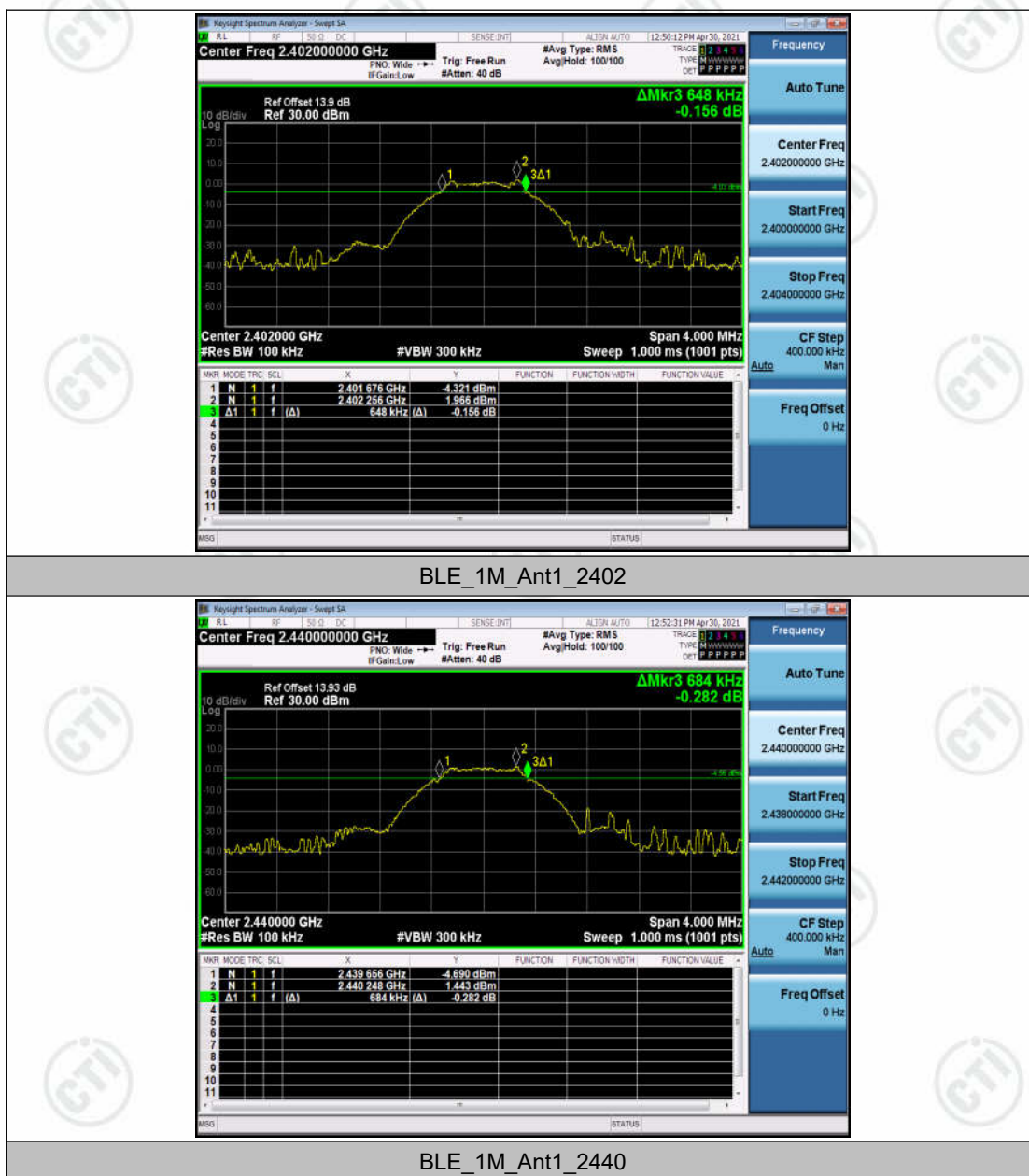
Appendix A: DTS Bandwidth.....	3
Test Result.....	3
Test Graphs.....	4
Appendix B: Occupied Channel Bandwidth.....	6
Test Result.....	6
Test Graphs.....	7
Appendix C: Maximum conducted output power.....	9
Test Result.....	9
Test Graphs.....	10
Appendix D: Maximum power spectral density.....	12
Test Result.....	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	0.648	2401.676	2402.324	0.5	PASS
		2440	0.684	2439.656	2440.340	0.5	PASS
		2480	0.700	2479.644	2480.344	0.5	PASS

Test Graphs



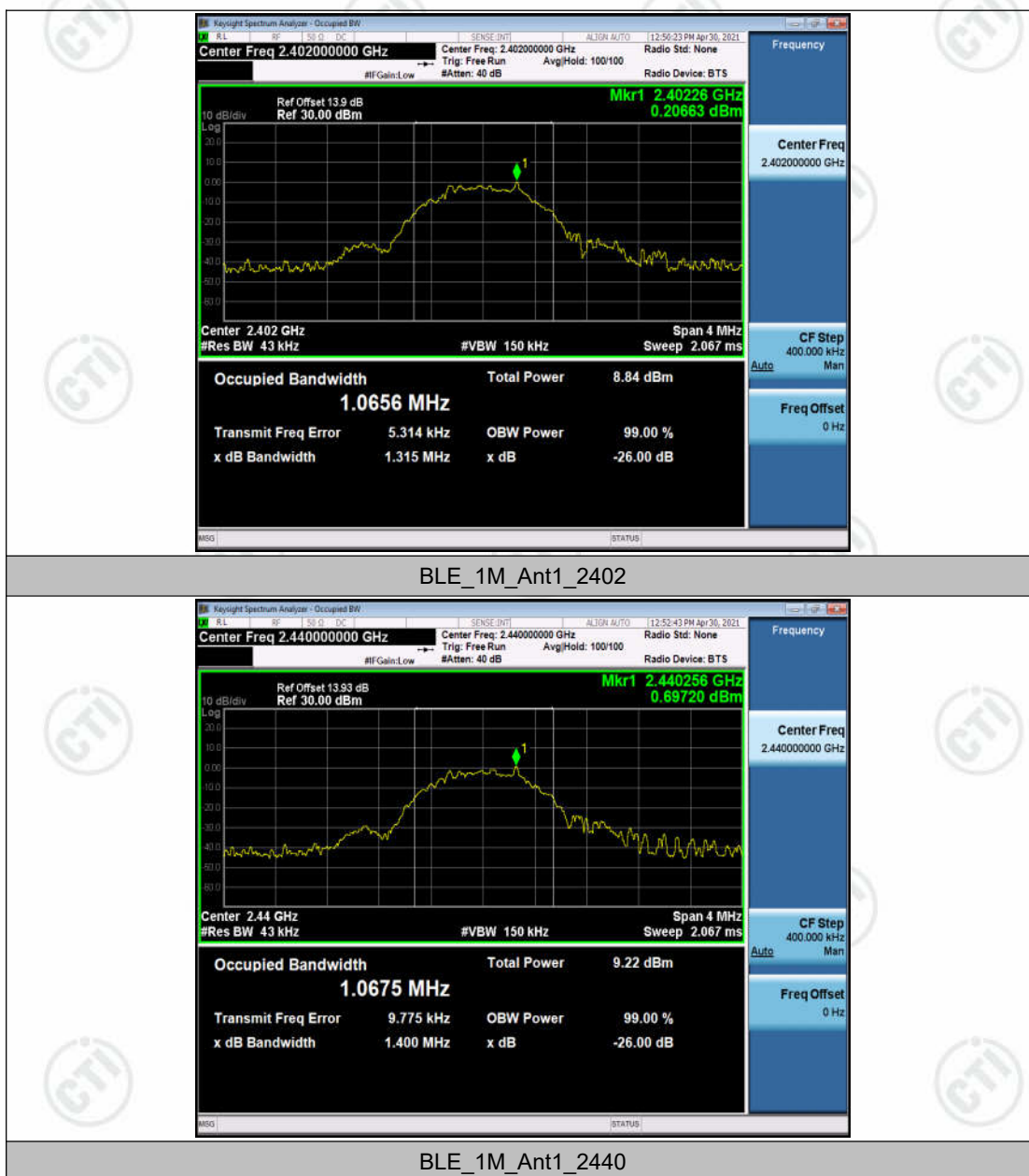


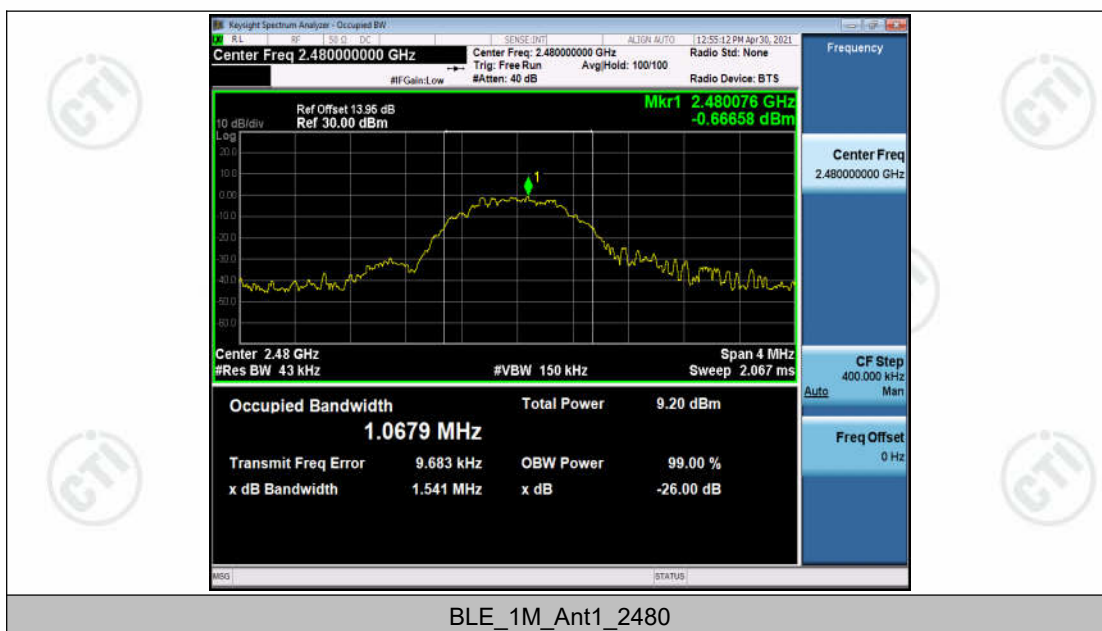
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0656	2401.473	2402.538	---	PASS
		2440	1.0675	2439.476	2440.544	---	PASS
		2480	1.0679	2479.476	2480.544	---	PASS

Test Graphs



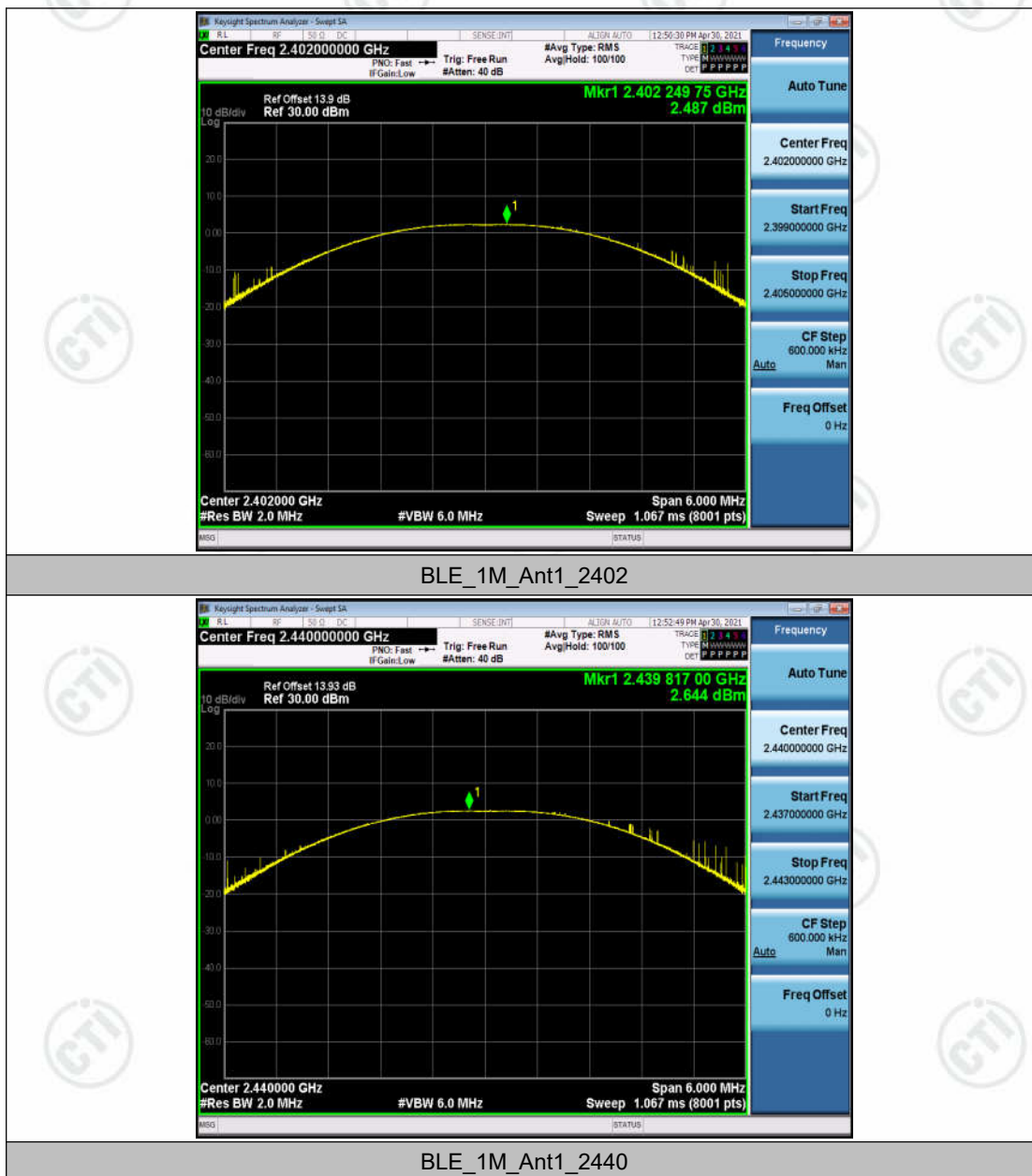


Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.49	<=30	PASS
		2440	2.64	<=30	PASS
		2480	2.89	<=30	PASS

Test Graphs



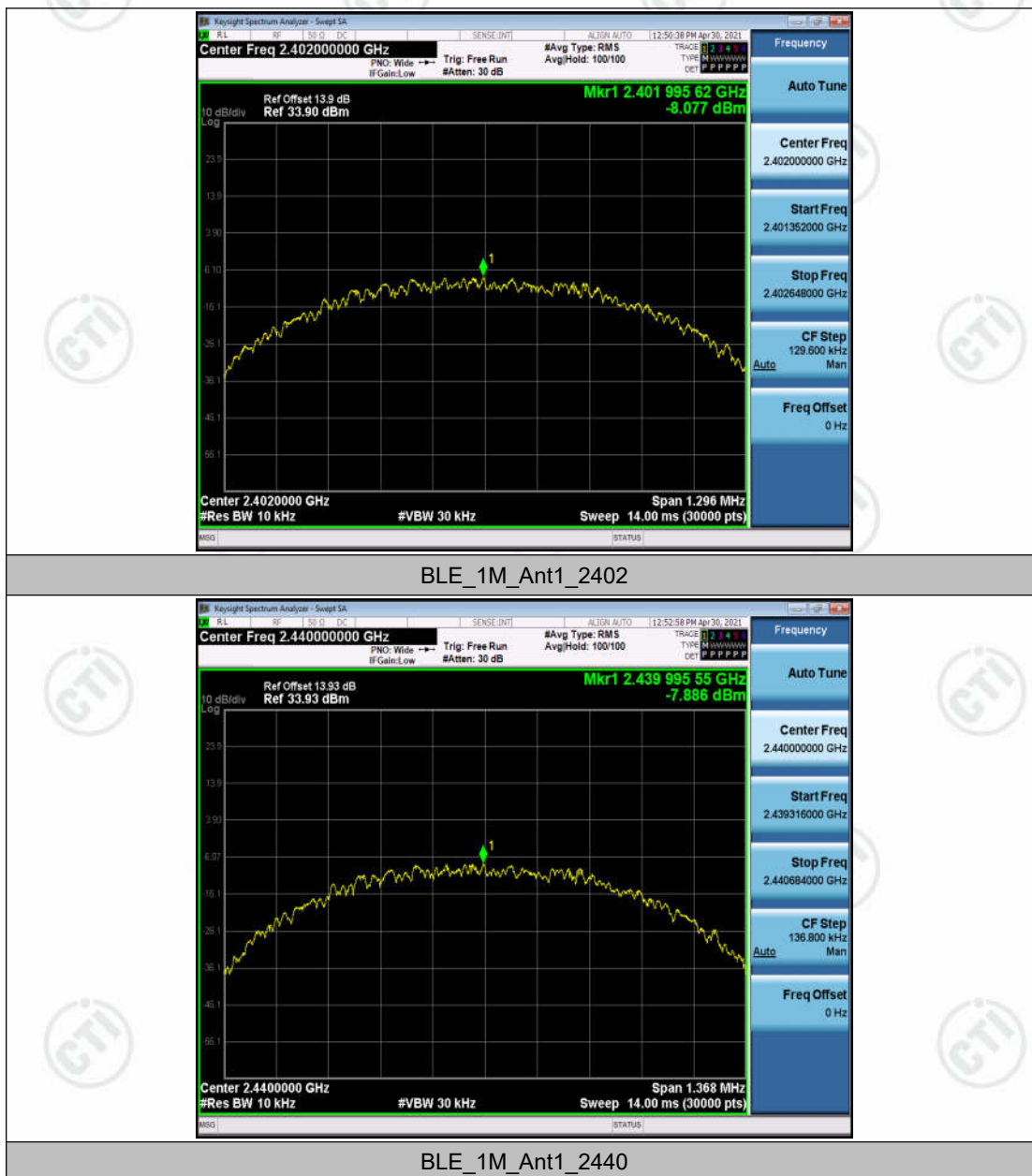


Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.08	<=8	PASS
		2440	-7.89	<=8	PASS
		2480	-7.57	<=8	PASS

Test Graphs



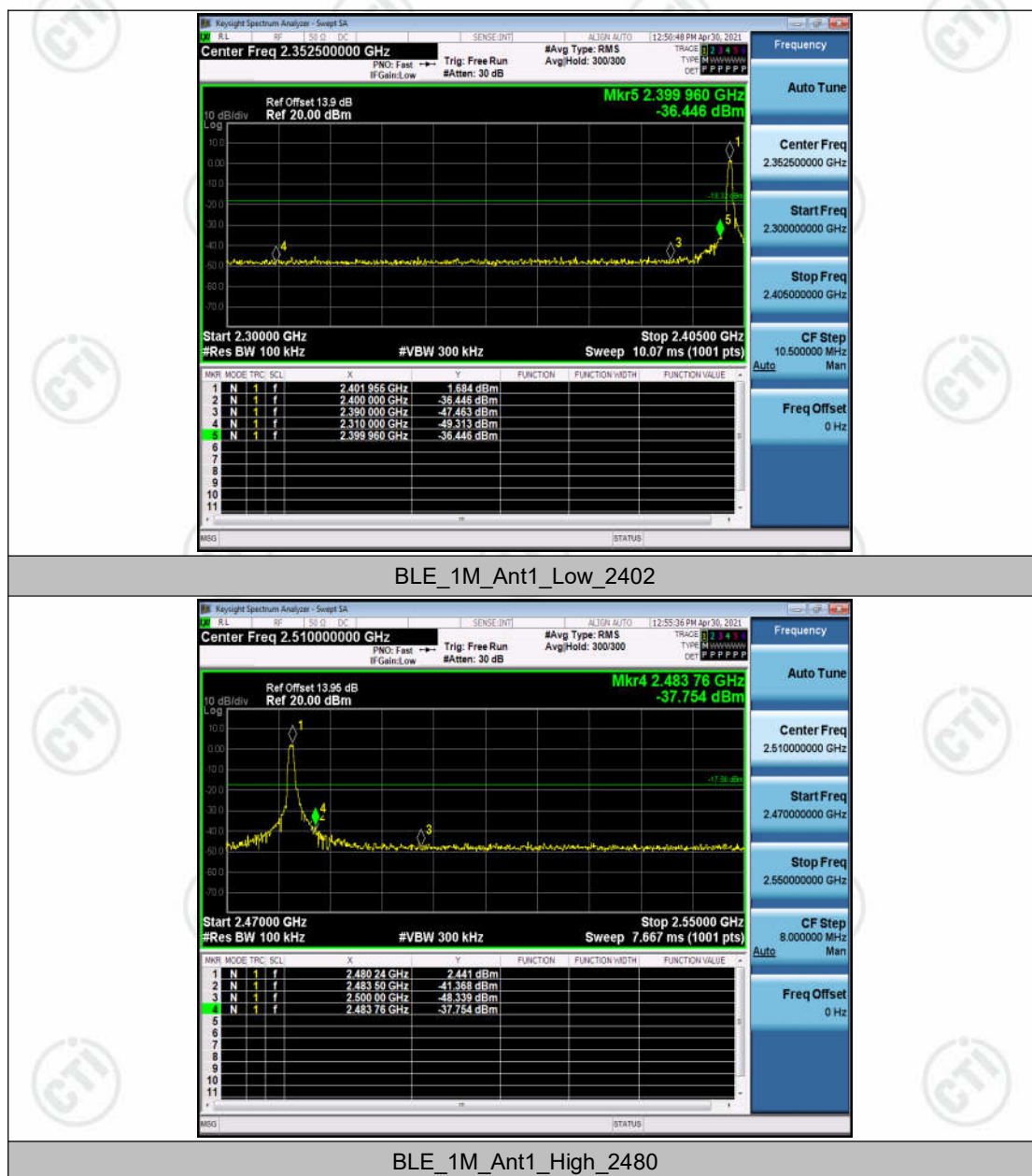


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.68	-36.45	<=-18.32	PASS
		High	2480	2.44	-37.75	<=-17.56	PASS

Test Graphs

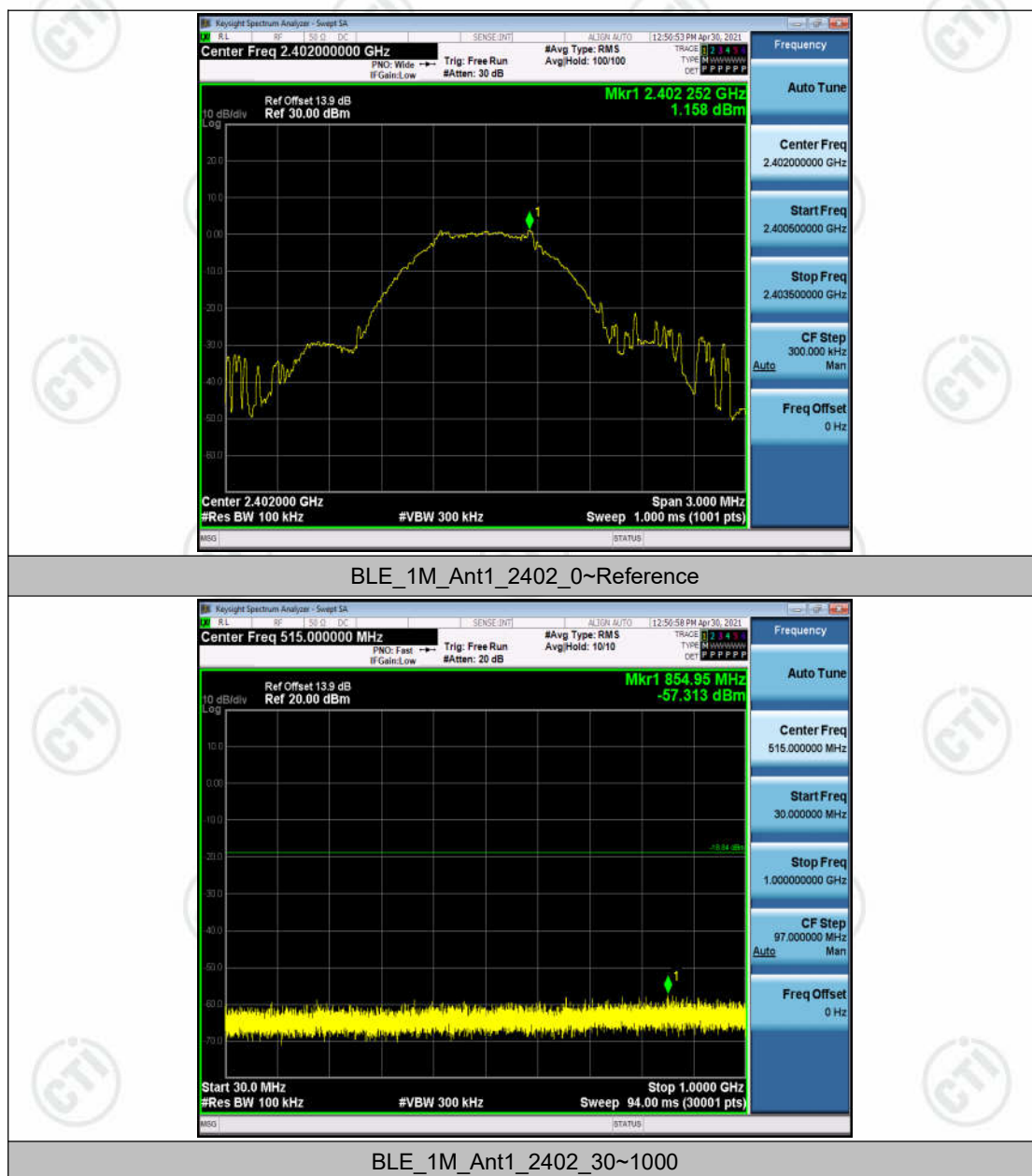


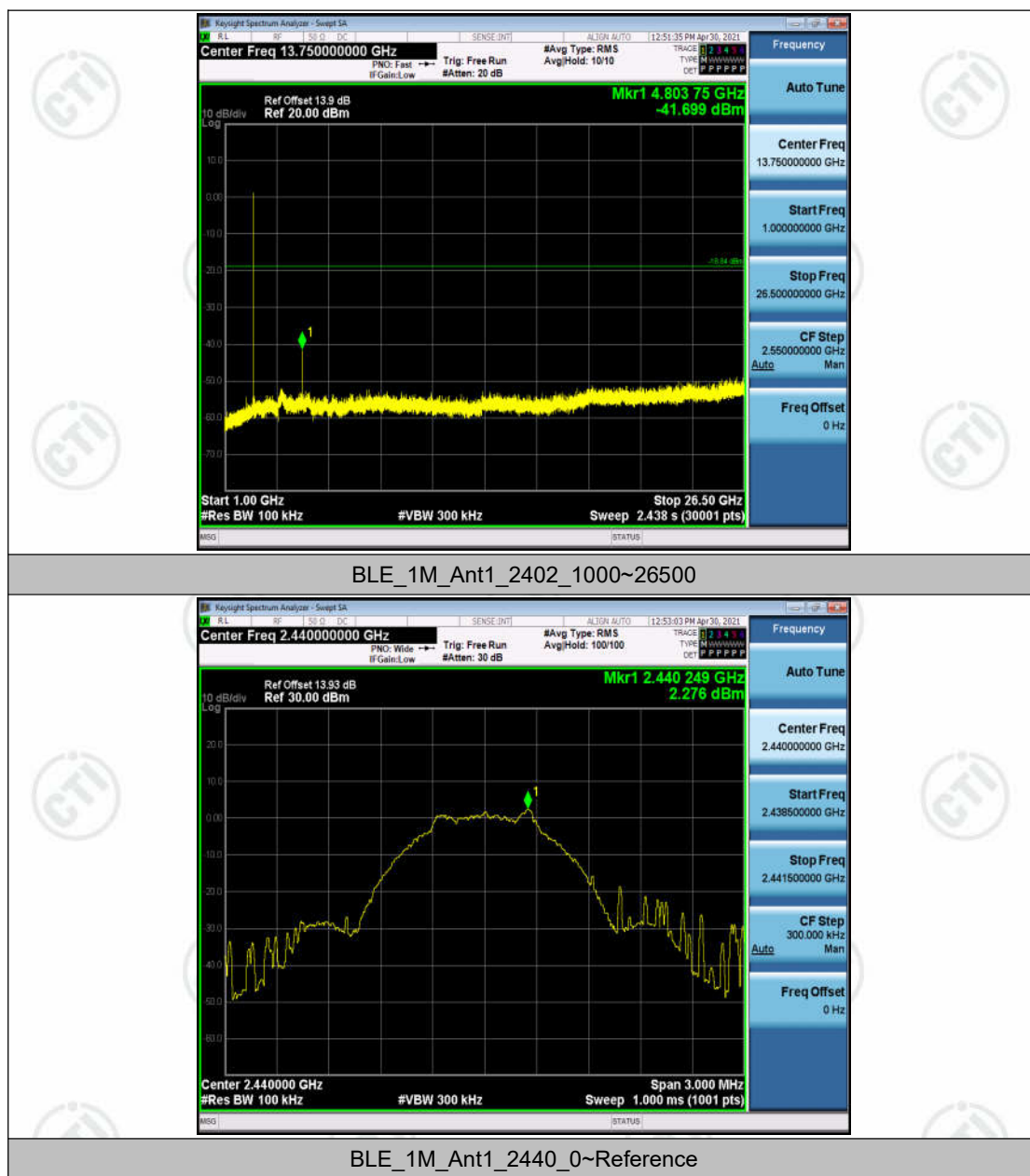
Appendix F: Conducted Spurious Emission

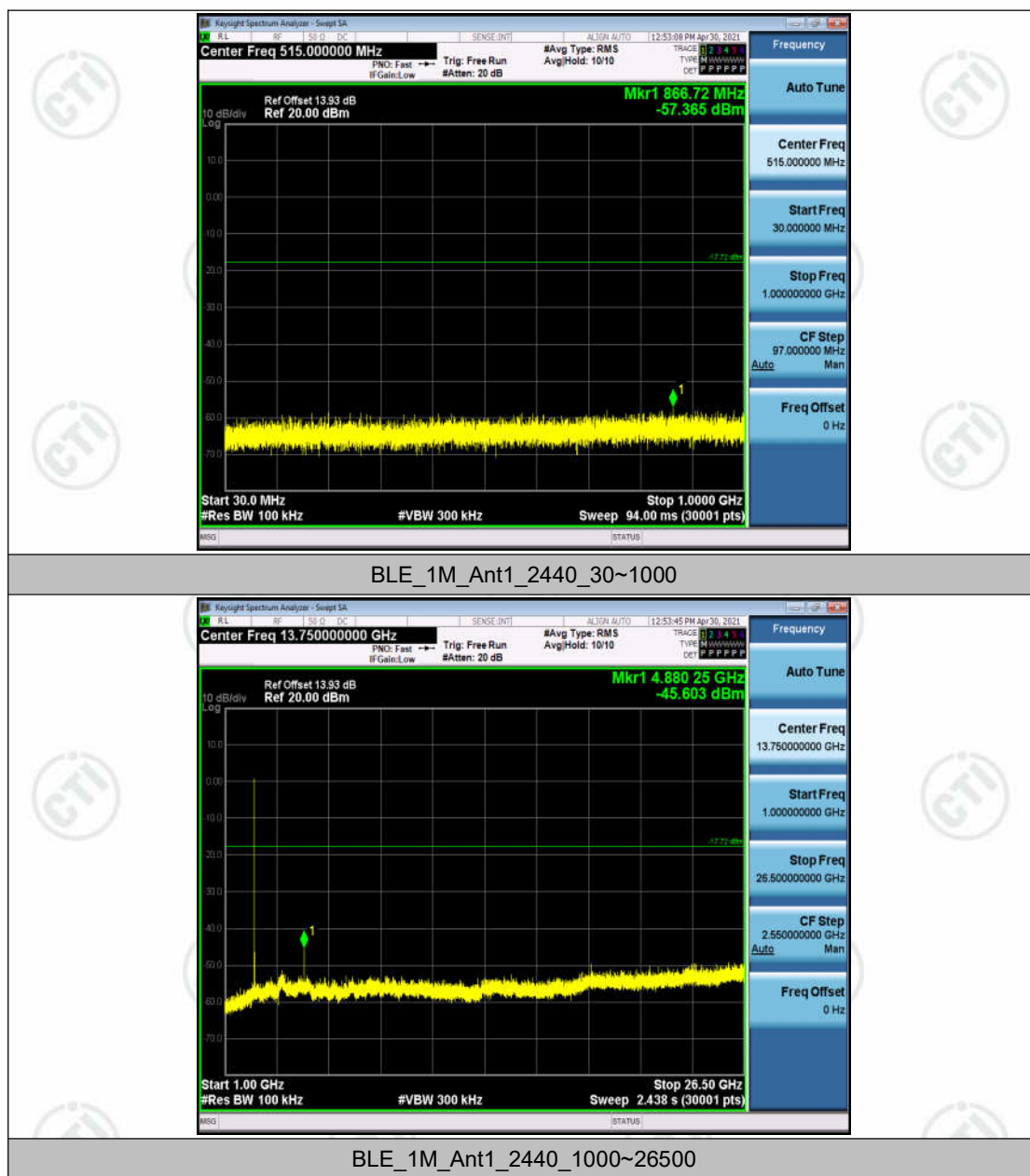
Test Result

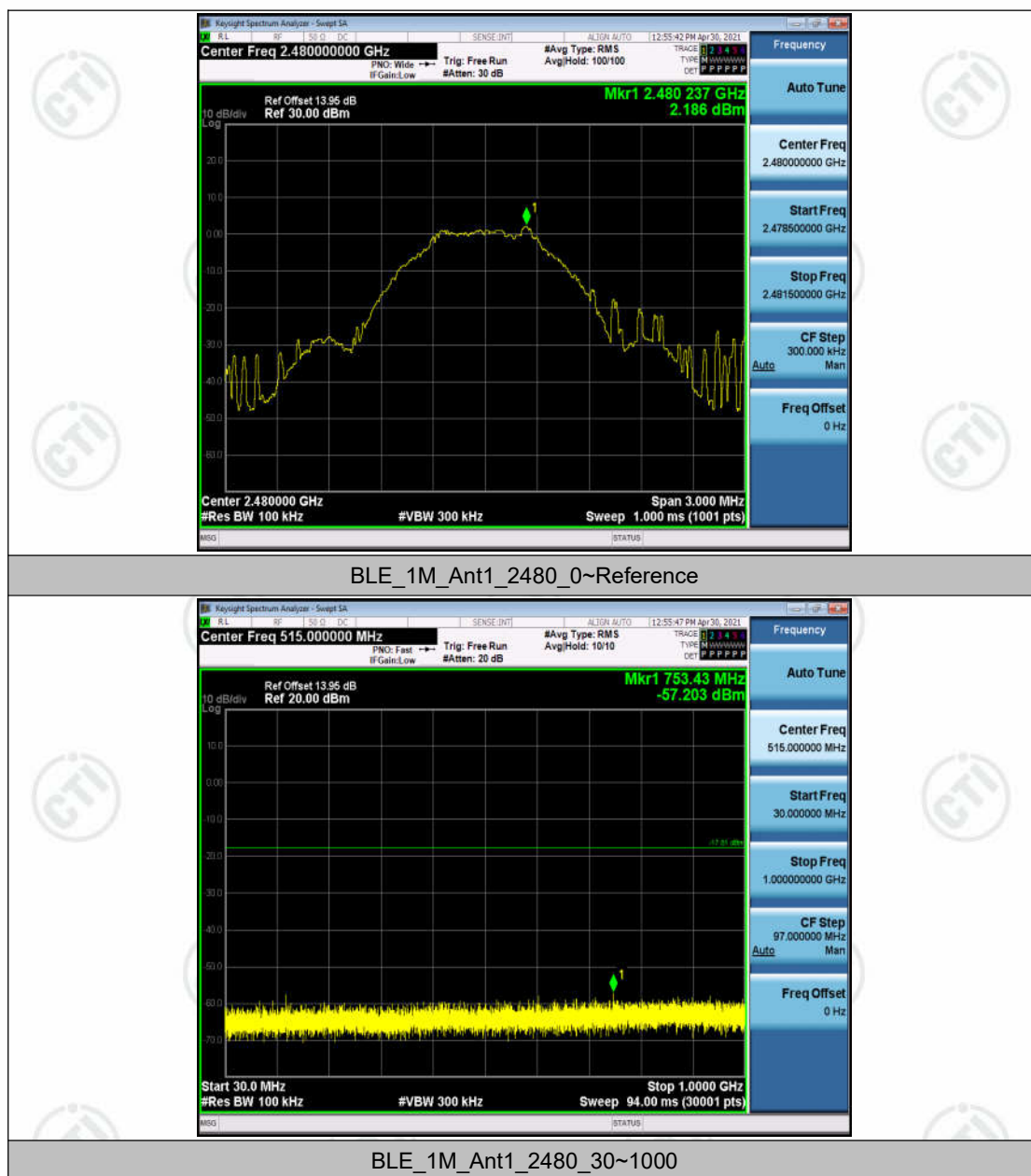
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.16	1.16	---	PASS
			30~1000	30~1000	-57.313	<=-18.842	PASS
			1000~26500	1000~26500	-41.699	<=-18.842	PASS
		2440	Reference	2.28	2.28	---	PASS
			30~1000	30~1000	-57.365	<=-17.724	PASS
			1000~26500	1000~26500	-45.603	<=-17.724	PASS
		2480	Reference	2.19	2.19	---	PASS
			30~1000	30~1000	-57.203	<=-17.814	PASS
			1000~26500	1000~26500	-46.945	<=-17.814	PASS

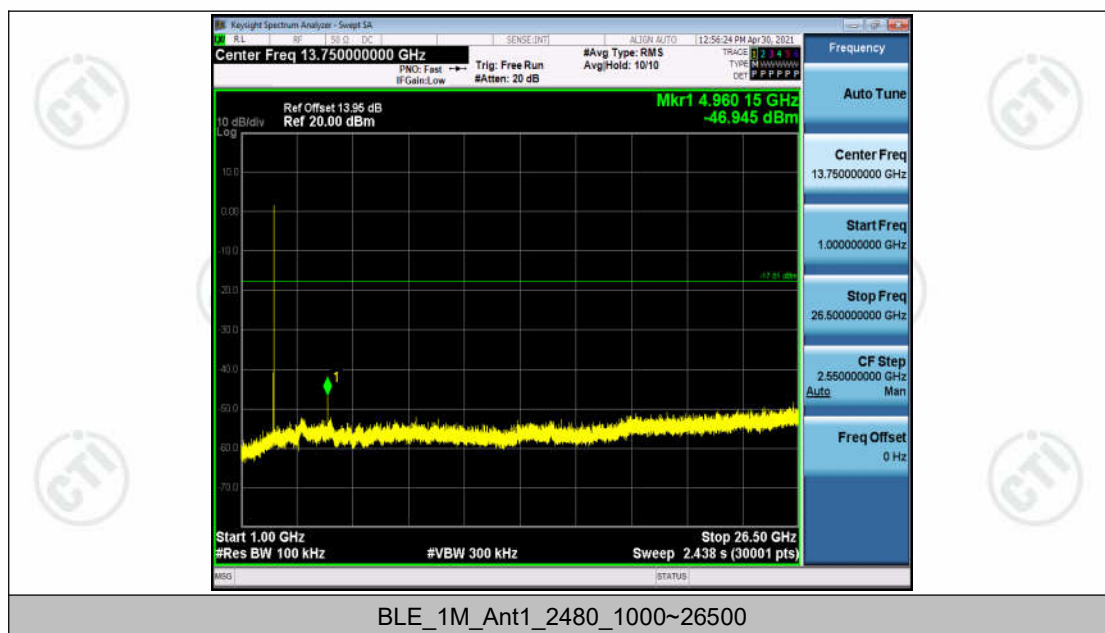
Test Graphs









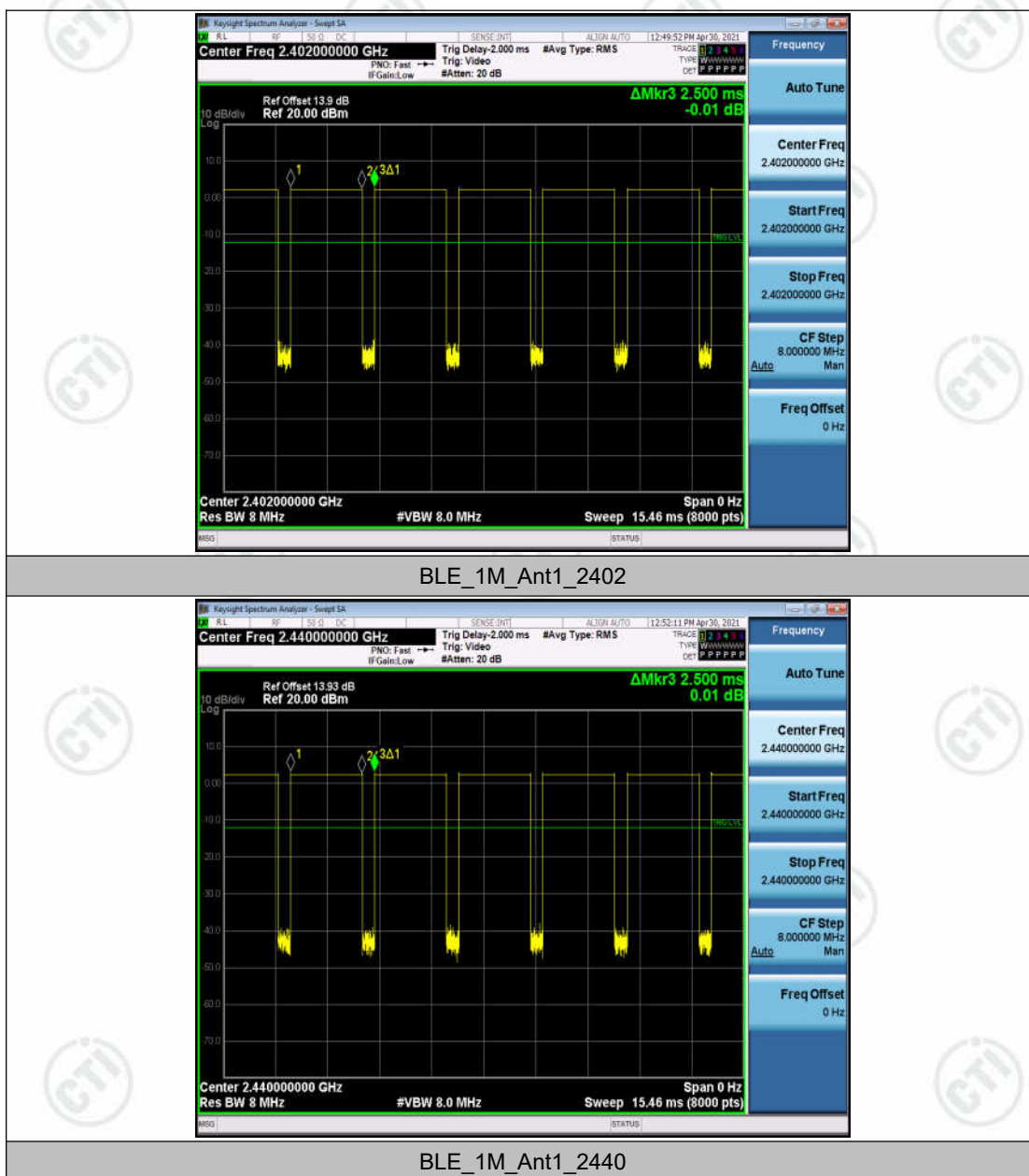


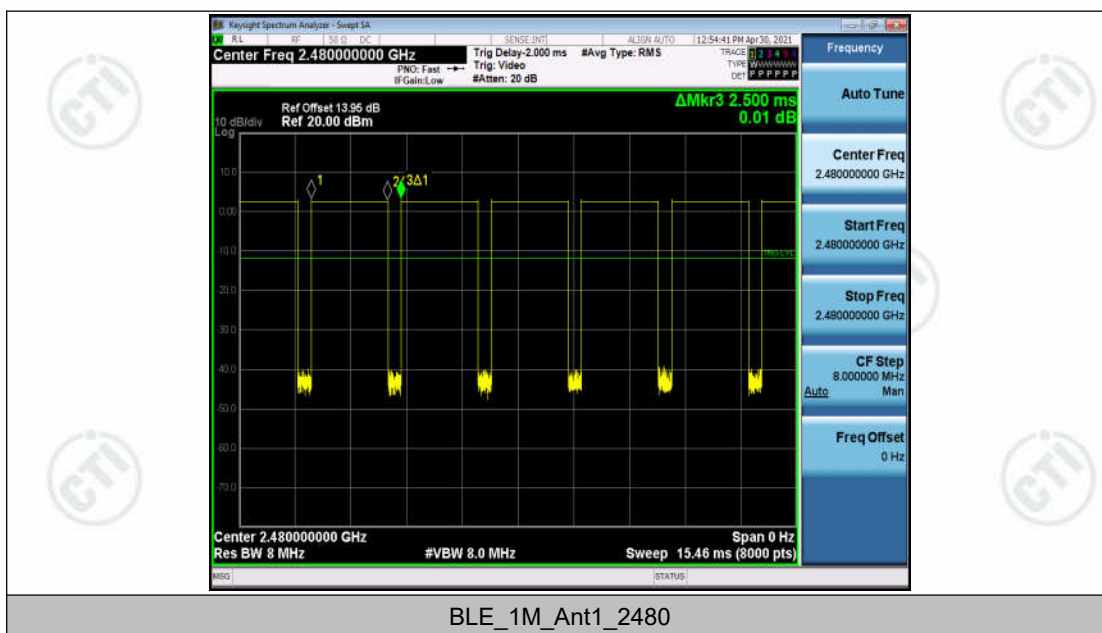
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	2.12	2.50	85.00	---	PASS
		2440	2.13	2.50	85.07	---	PASS
		2480	2.12	2.50	85.00	---	PASS

Test Graphs





*** End of Report ***