

Appendix: Bluetooth LE

Contents

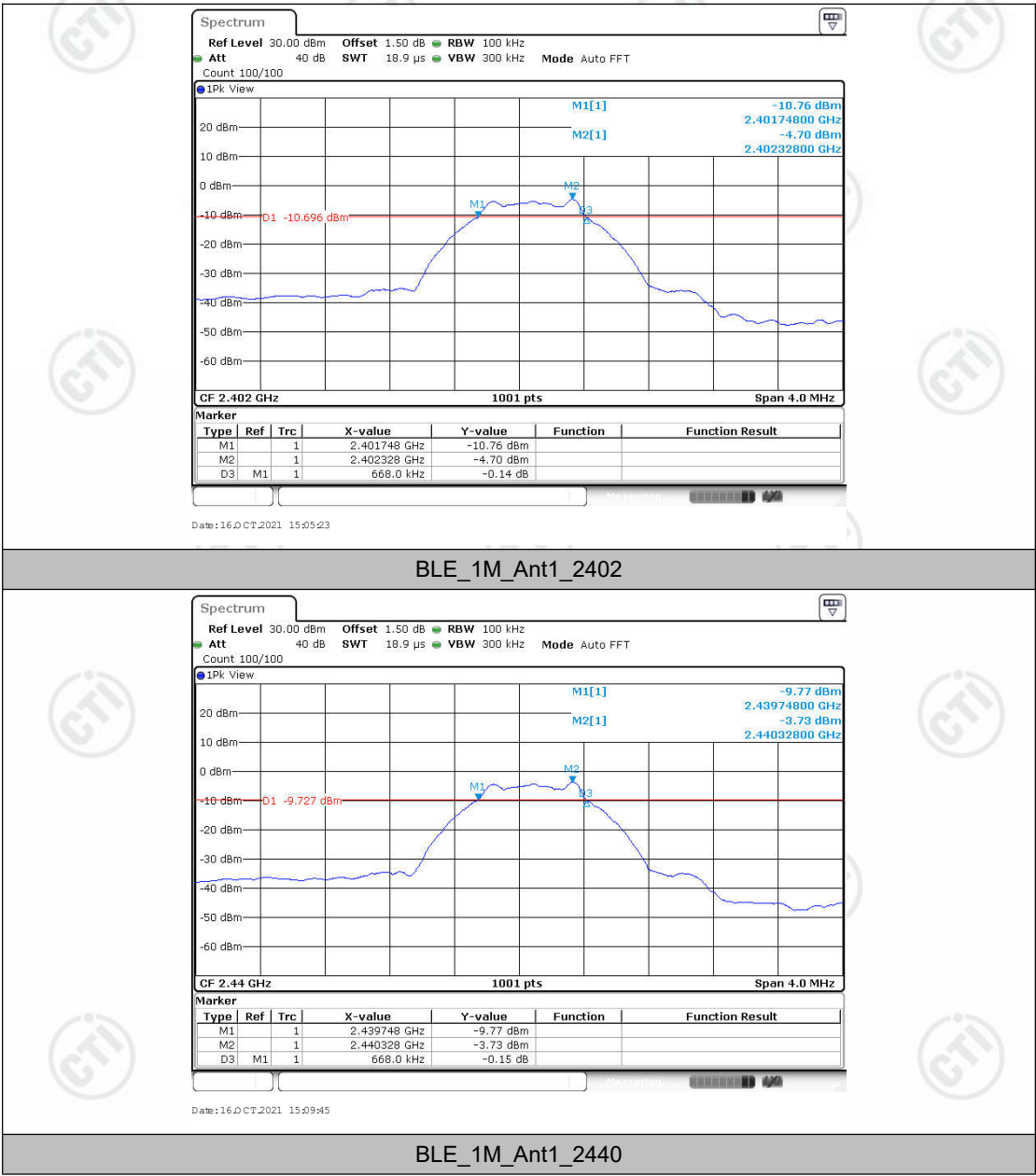
Appendix A: DTS Bandwidth.....	3
Test Result.....	3
Test Graphs.....	4
Appendix B: Occupied Channel Bandwidth.....	6
Test Result.....	6
Test Graphs.....	7
Appendix C: Maximum conducted output power.....	9
Test Result.....	9
Test Graphs.....	10
Appendix D: Maximum power spectral density.....	12
Test Result.....	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

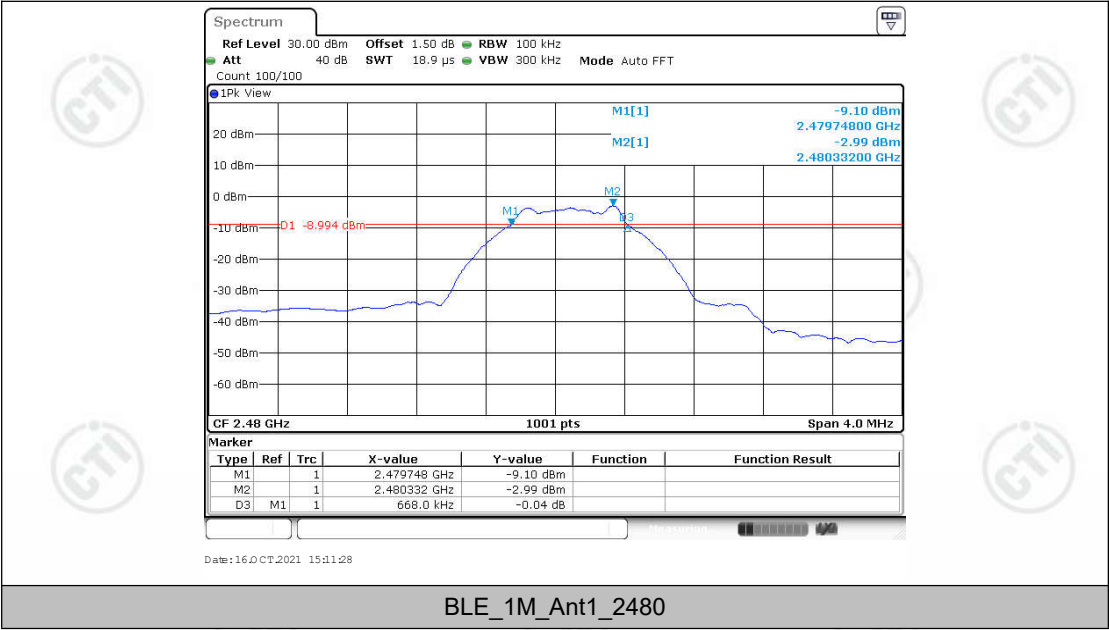
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.748	2402.416	0.5	PASS
		2440	0.668	2439.748	2440.416	0.5	PASS
		2480	0.668	2479.748	2480.416	0.5	PASS

Test Graphs

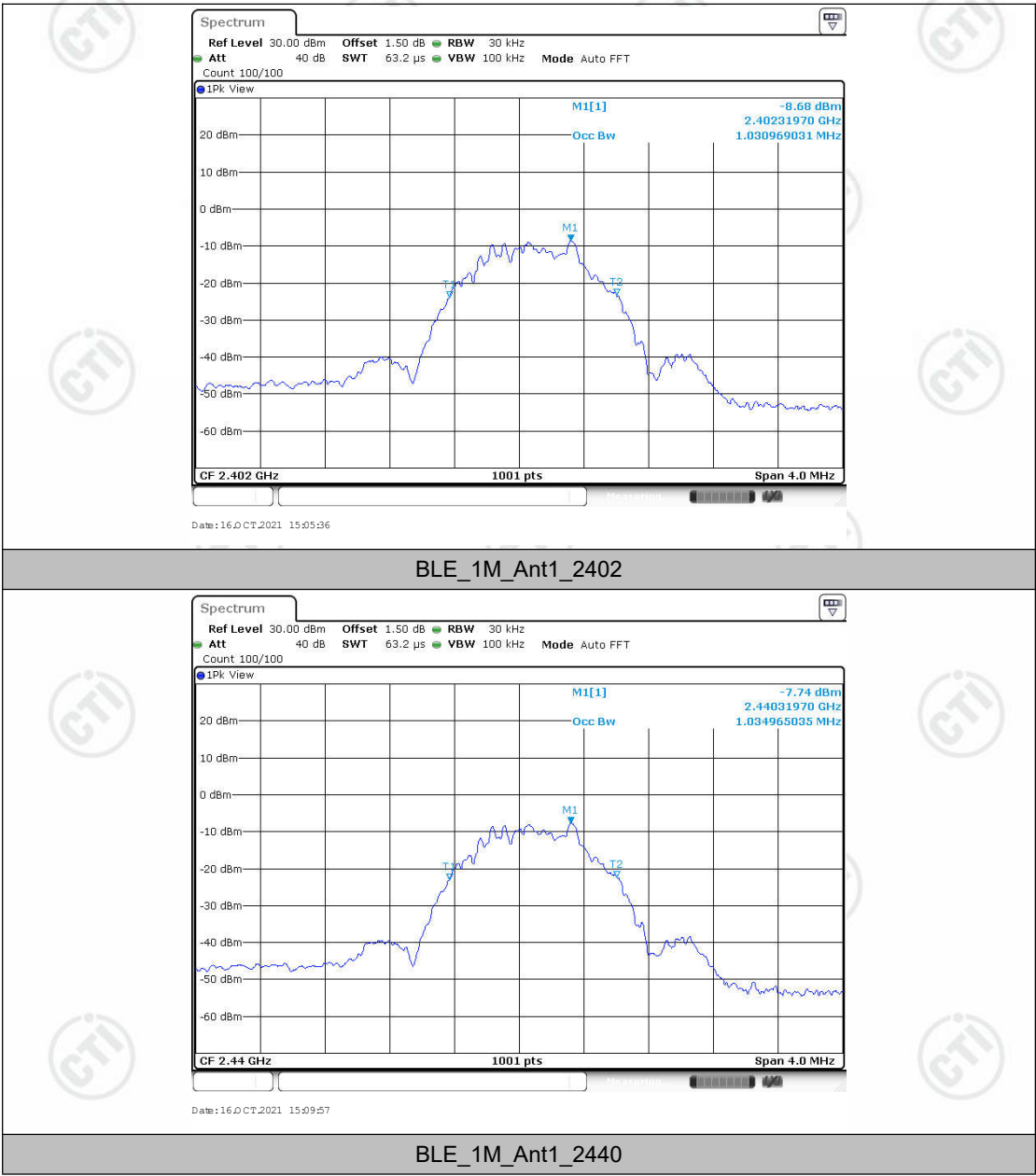


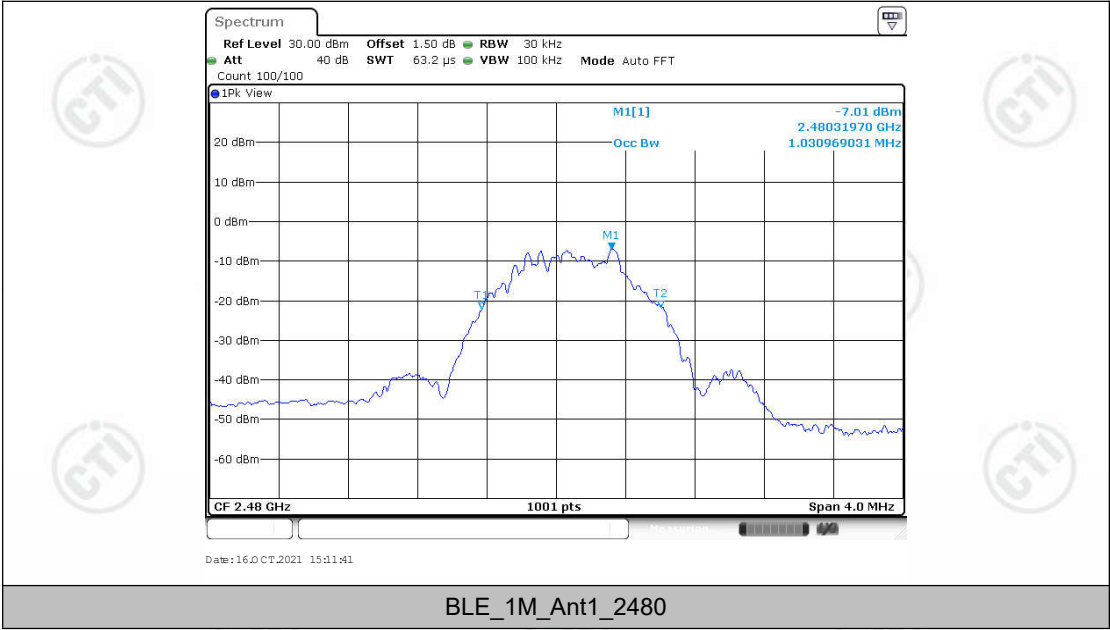


Appendix B: Occupied Channel Bandwidth**Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.031	2401.568	2402.599	---	PASS
		2440	1.035	2439.568	2440.603	---	PASS
		2480	1.031	2479.572	2480.603	---	PASS

Test Graphs

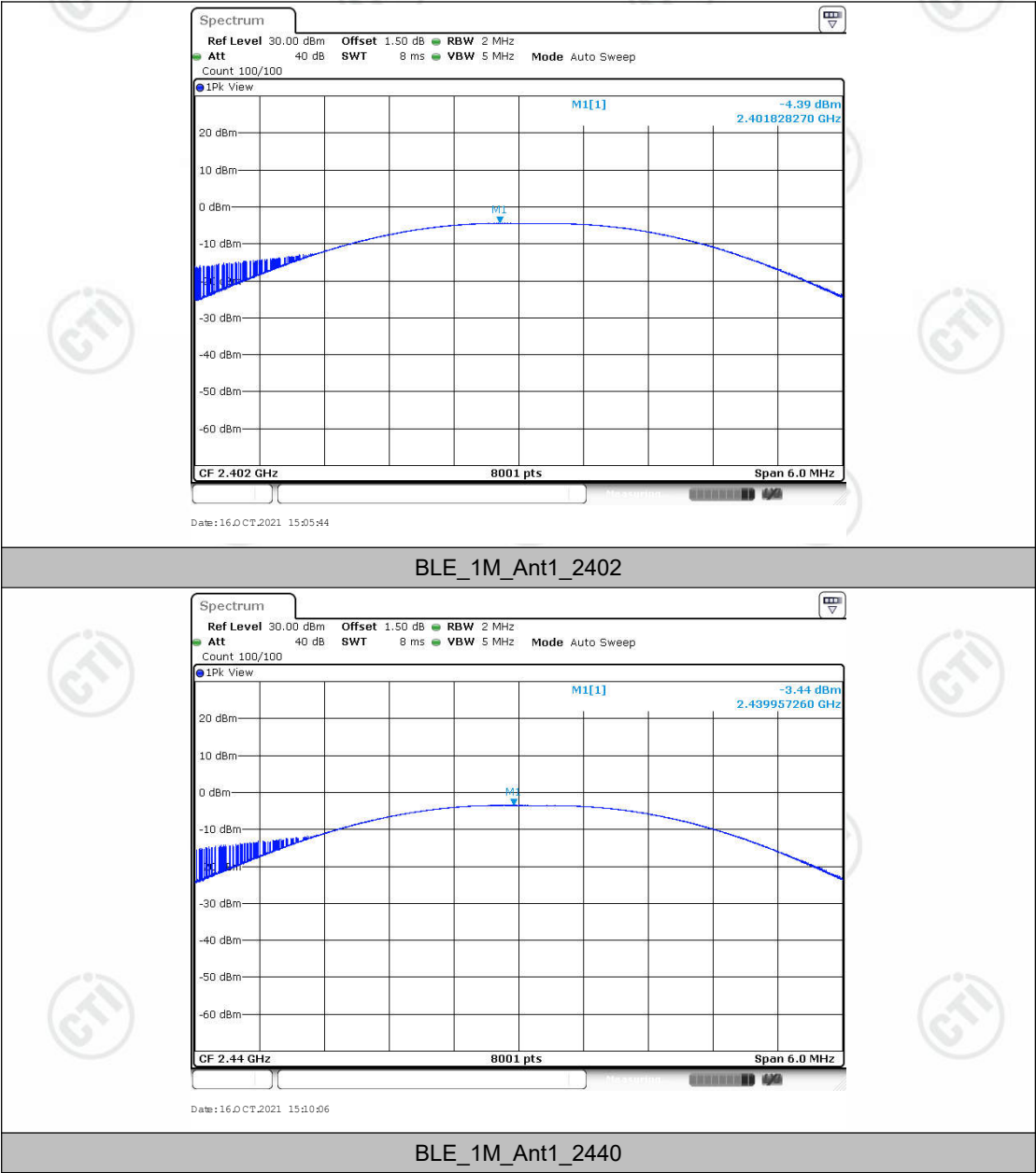


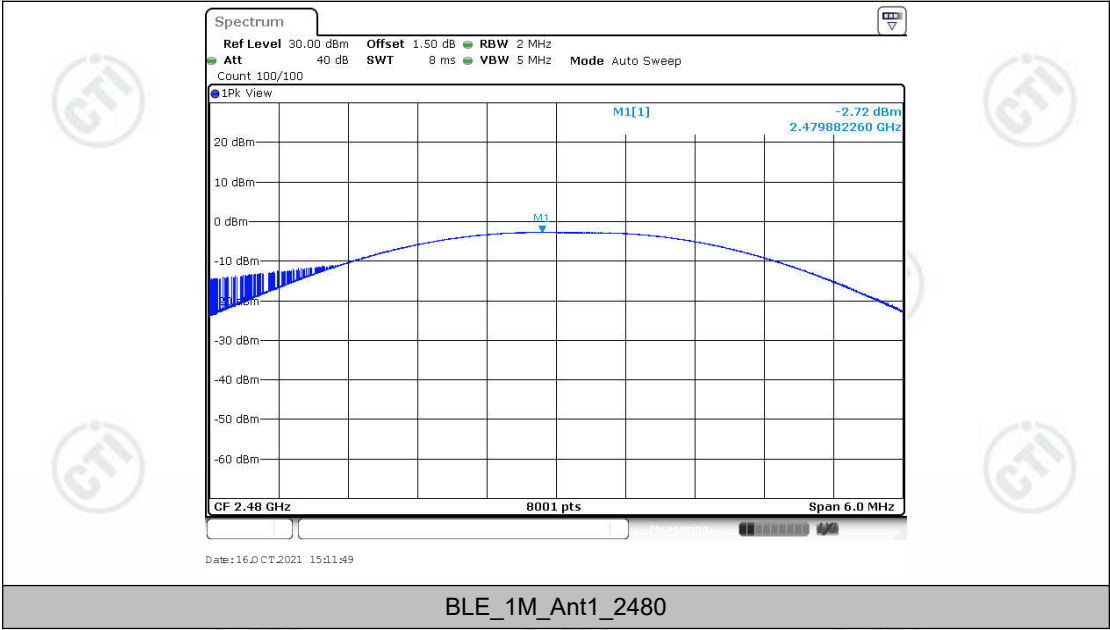


Appendix C: Maximum conducted output power**Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-4.39	<=30	PASS
		2440	-3.44	<=30	PASS
		2480	-2.72	<=30	PASS

Test Graphs

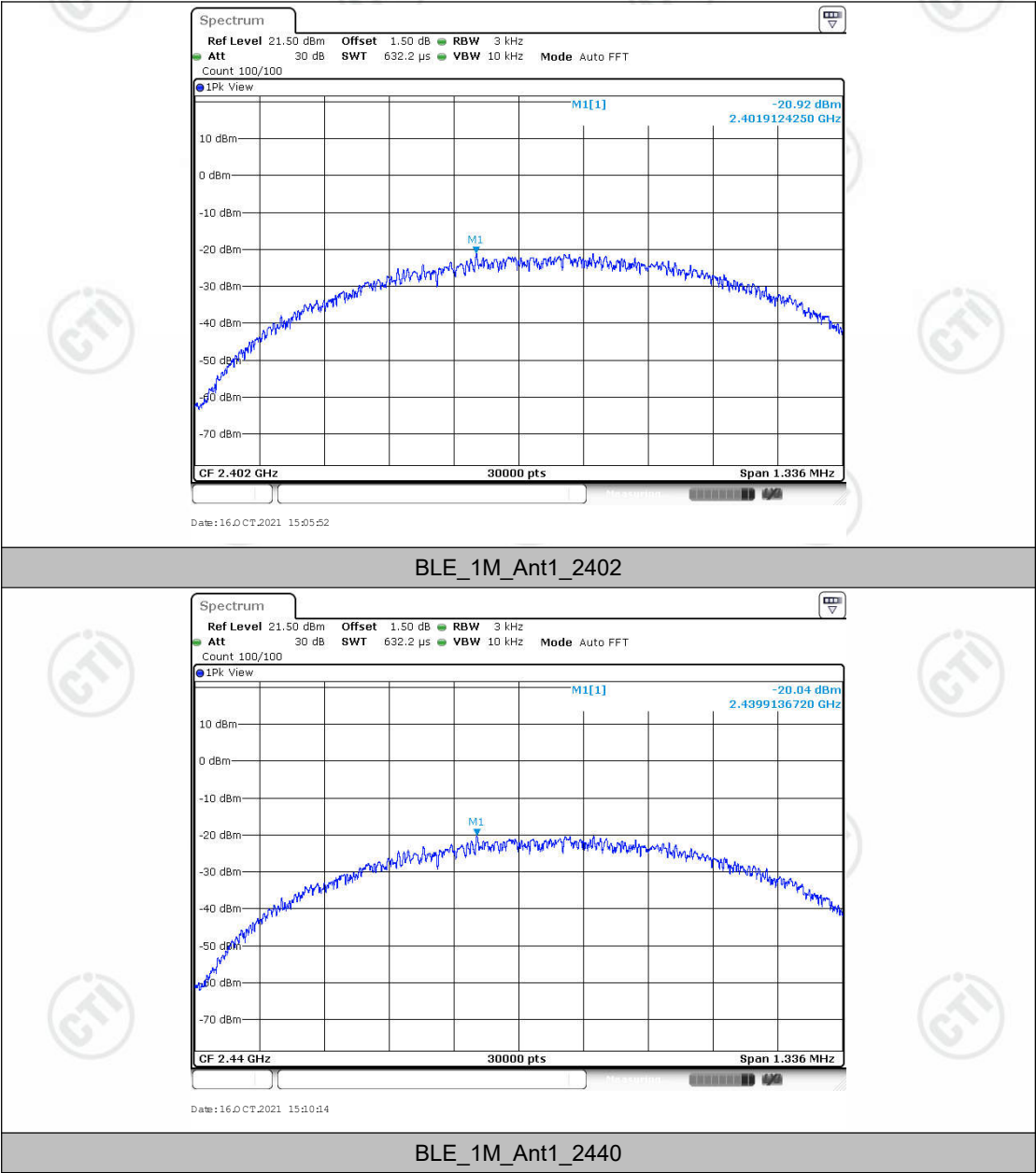


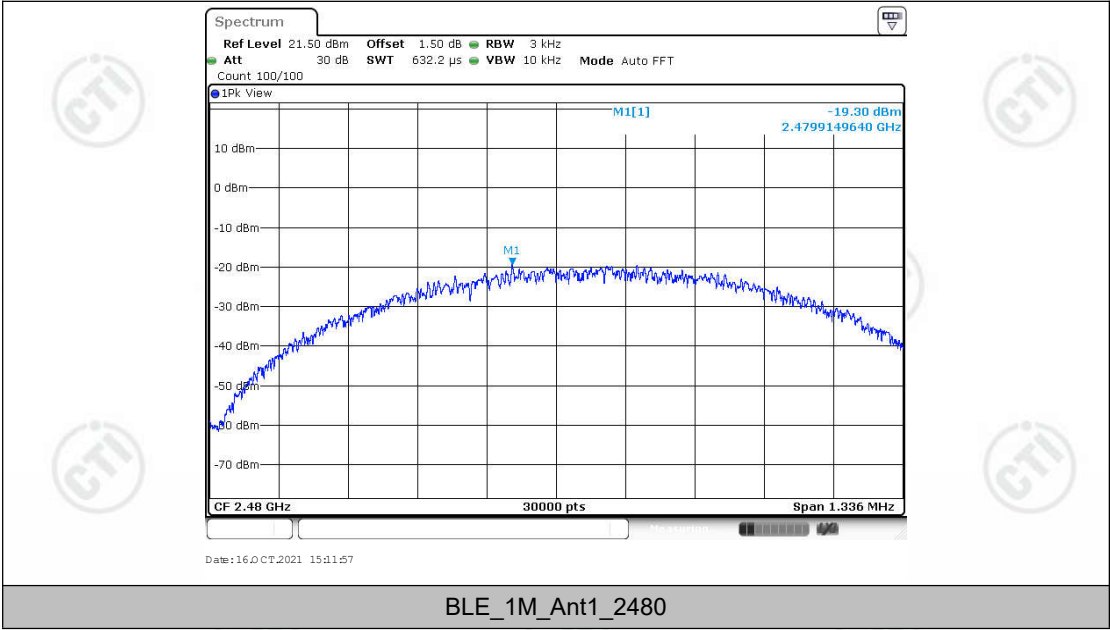


Appendix D: Maximum power spectral density**Test Result**

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.92	<=8	PASS
		2440	-20.04	<=8	PASS
		2480	-19.3	<=8	PASS

Test Graphs



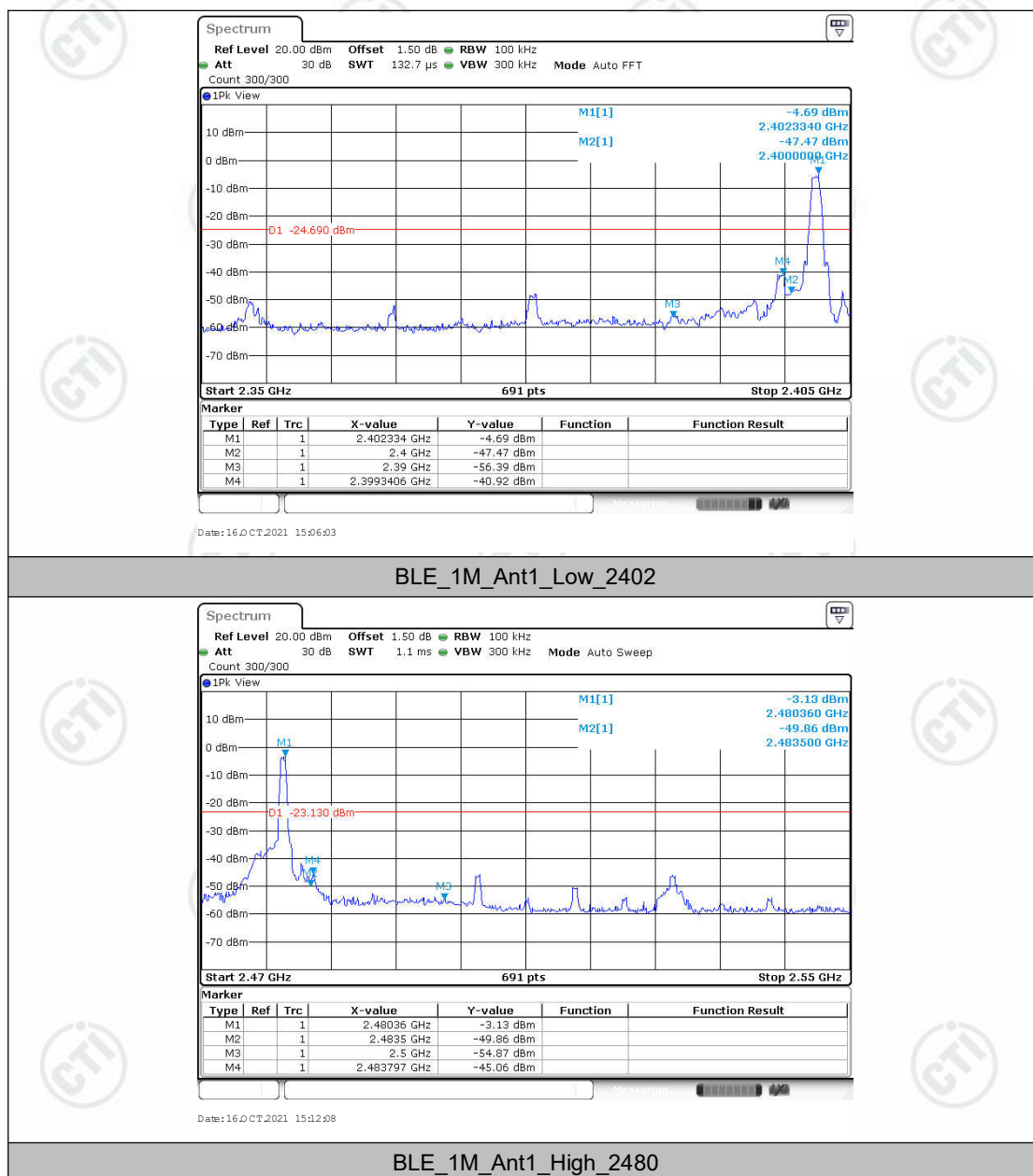


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.69	-40.92	<=-24.69	PASS
		High	2480	-3.13	-45.06	<=-23.13	PASS

Test Graphs

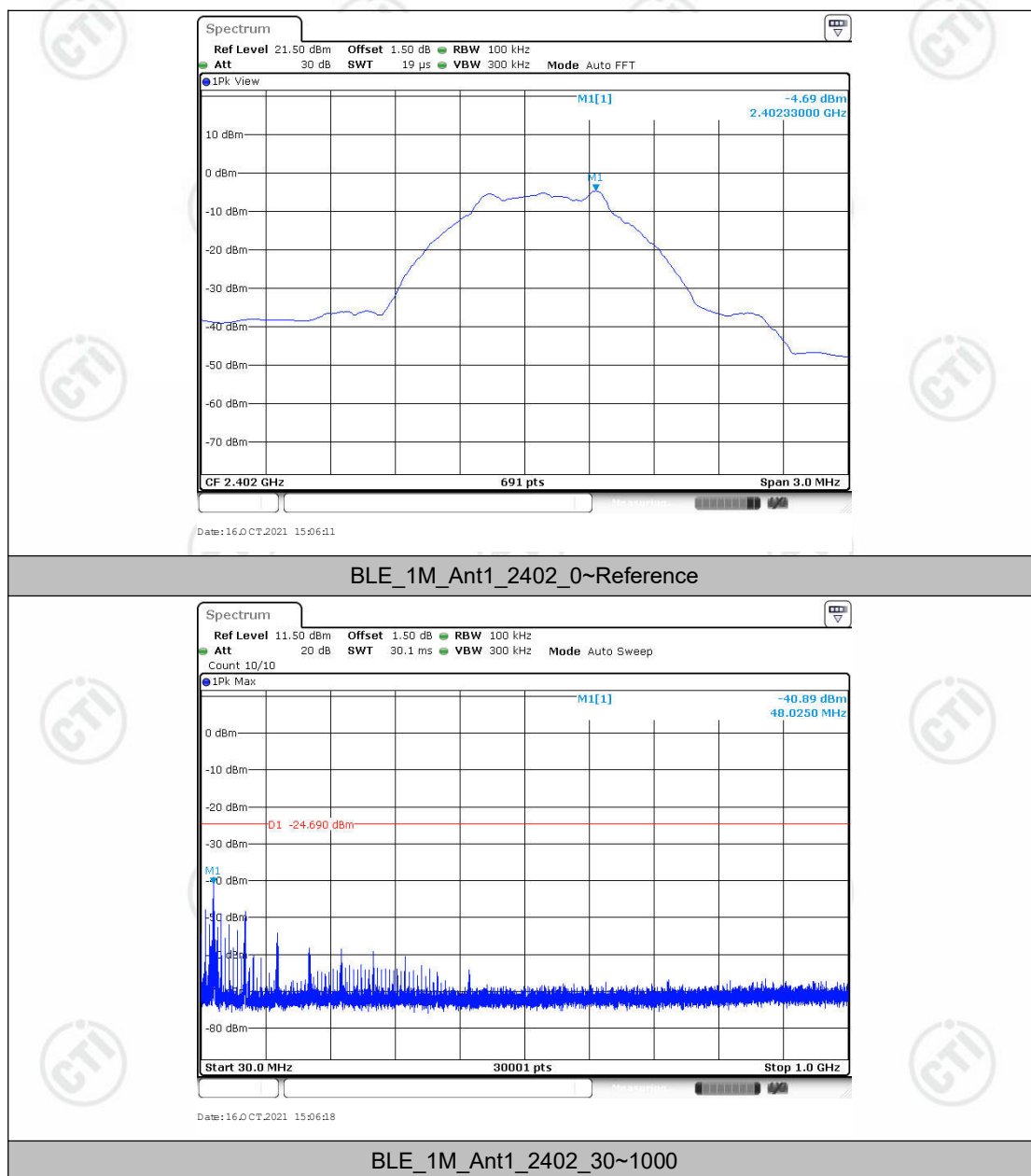


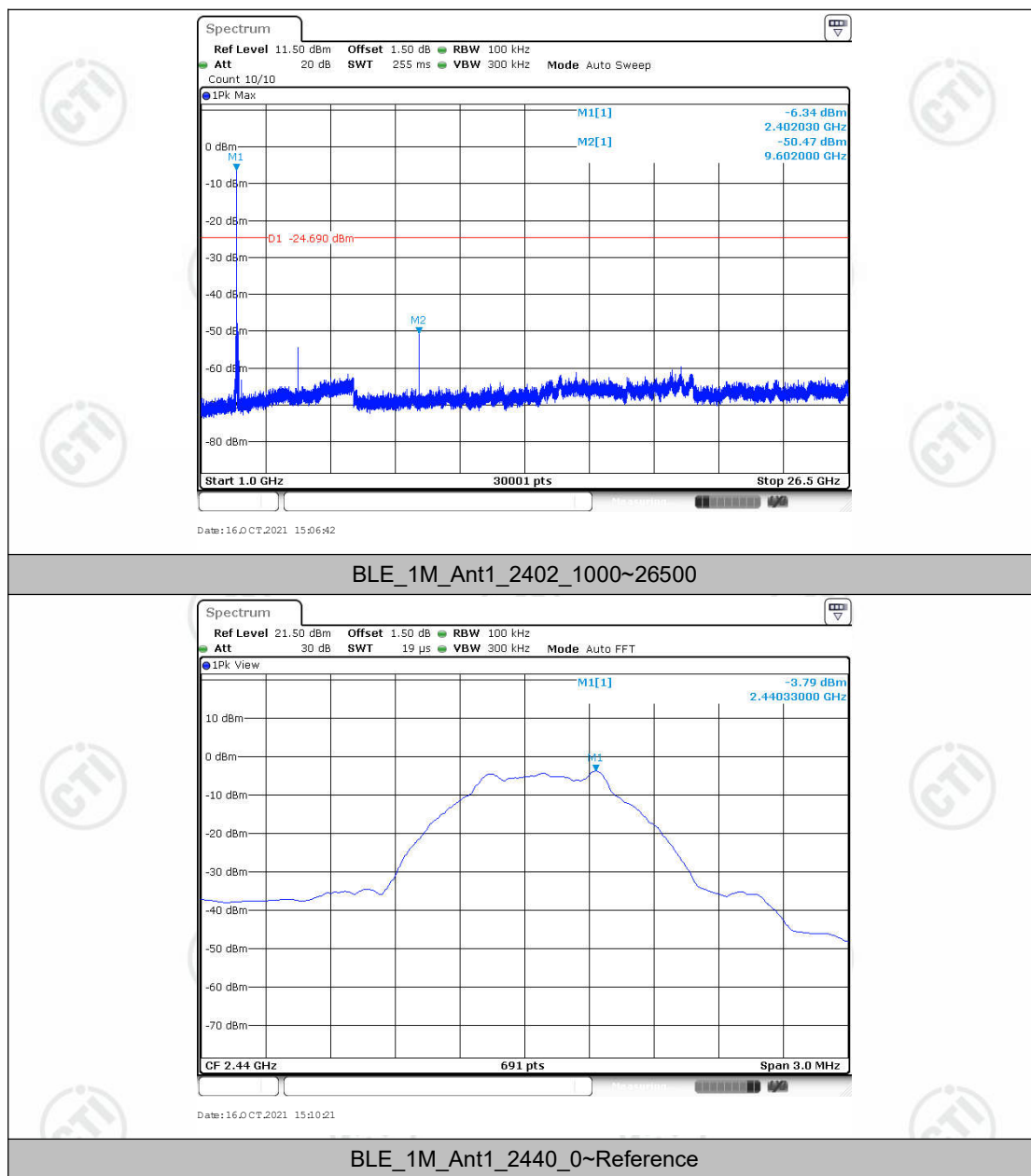
Appendix F: Conducted Spurious Emission

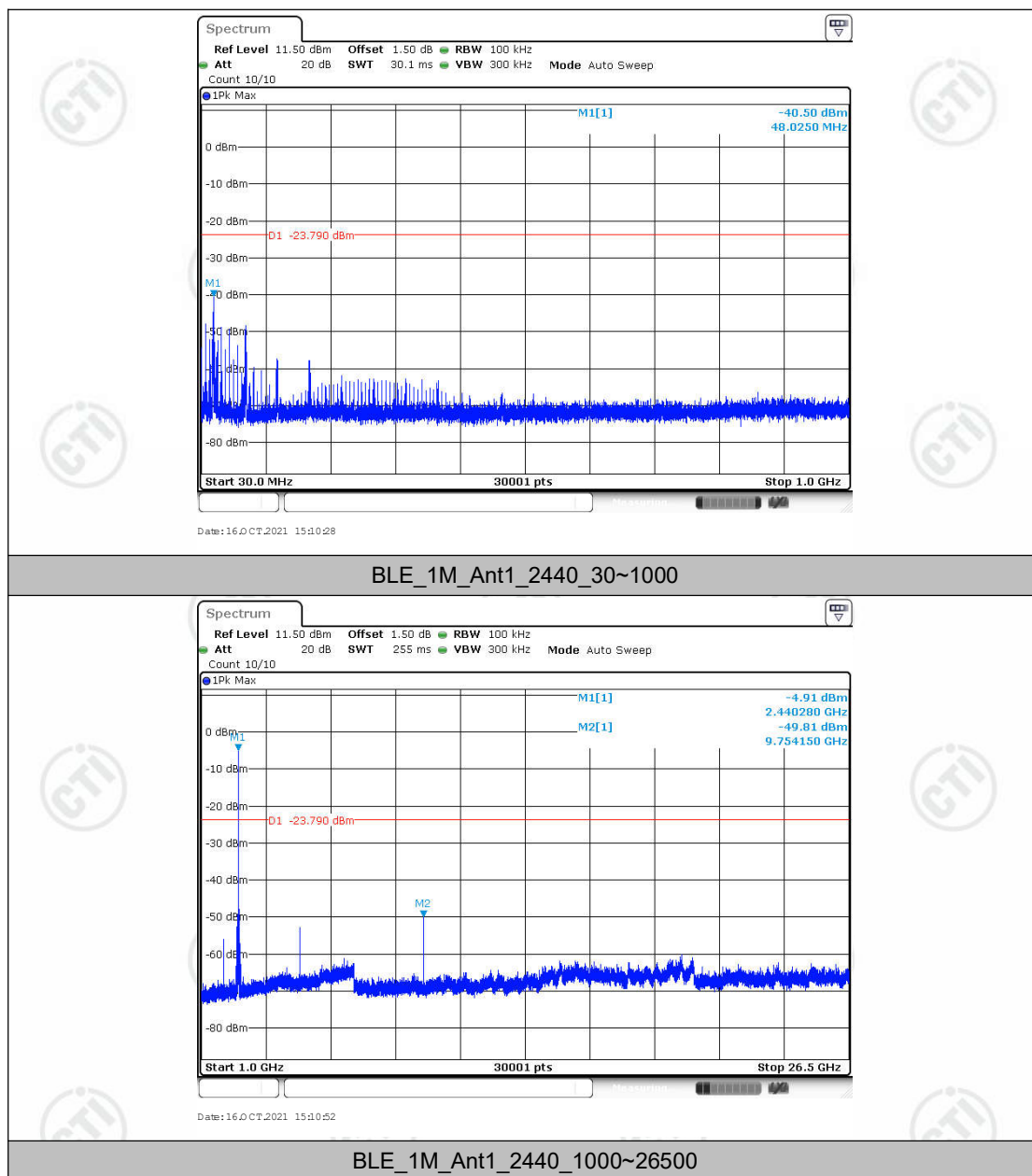
Test Result

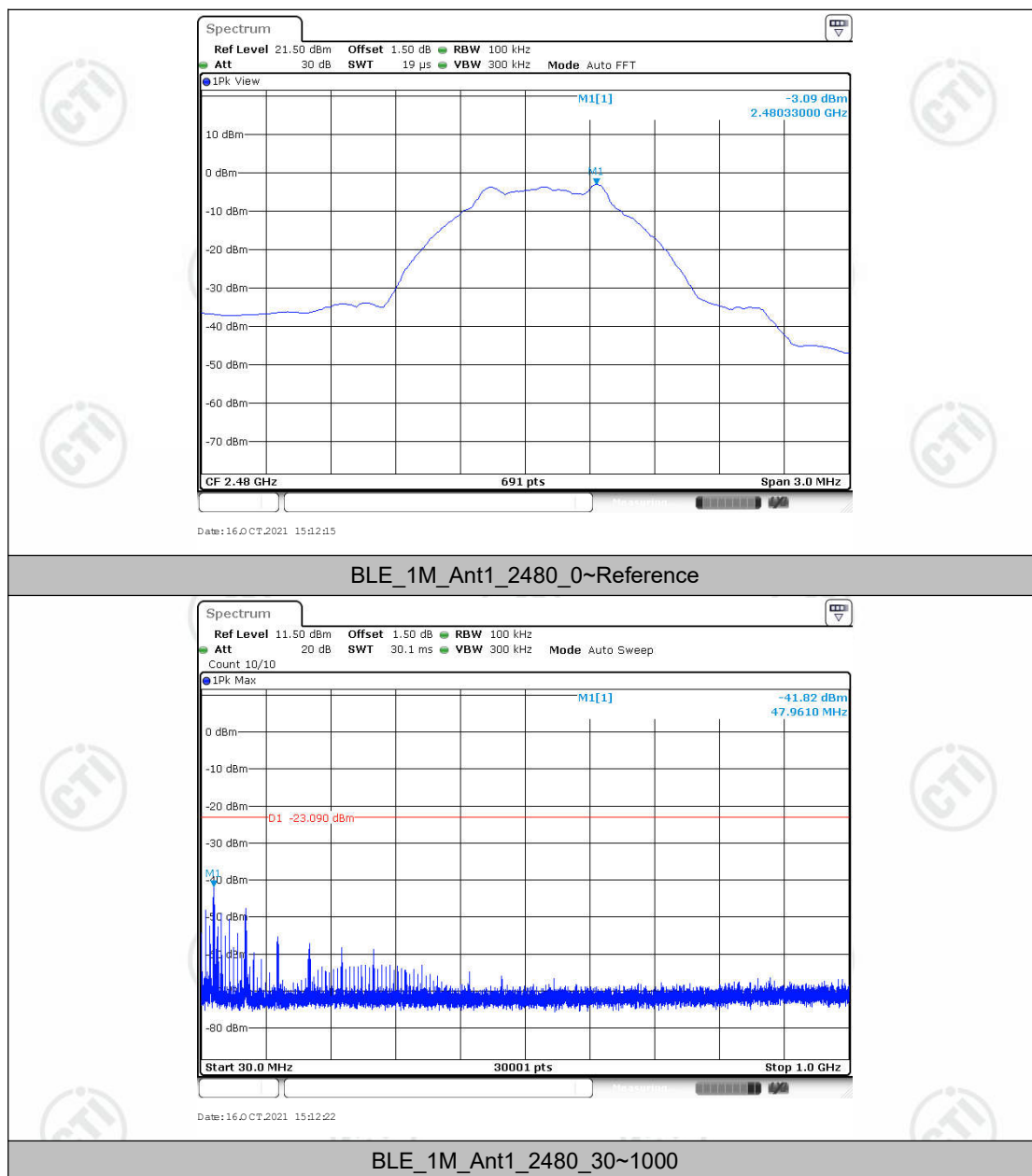
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.69	-4.69	---	PASS
			30~1000	-4.69	-40.89	<=-24.69	PASS
			1000~26500	-4.69	-50.47	<=-24.69	PASS
		2440	Reference	-3.79	-3.79	---	PASS
			30~1000	-3.79	-40.5	<=-23.79	PASS
			1000~26500	-3.79	-49.81	<=-23.79	PASS
		2480	Reference	-3.09	-3.09	---	PASS
			30~1000	-3.09	-41.82	<=-23.09	PASS
			1000~26500	-3.09	-49.02	<=-23.09	PASS

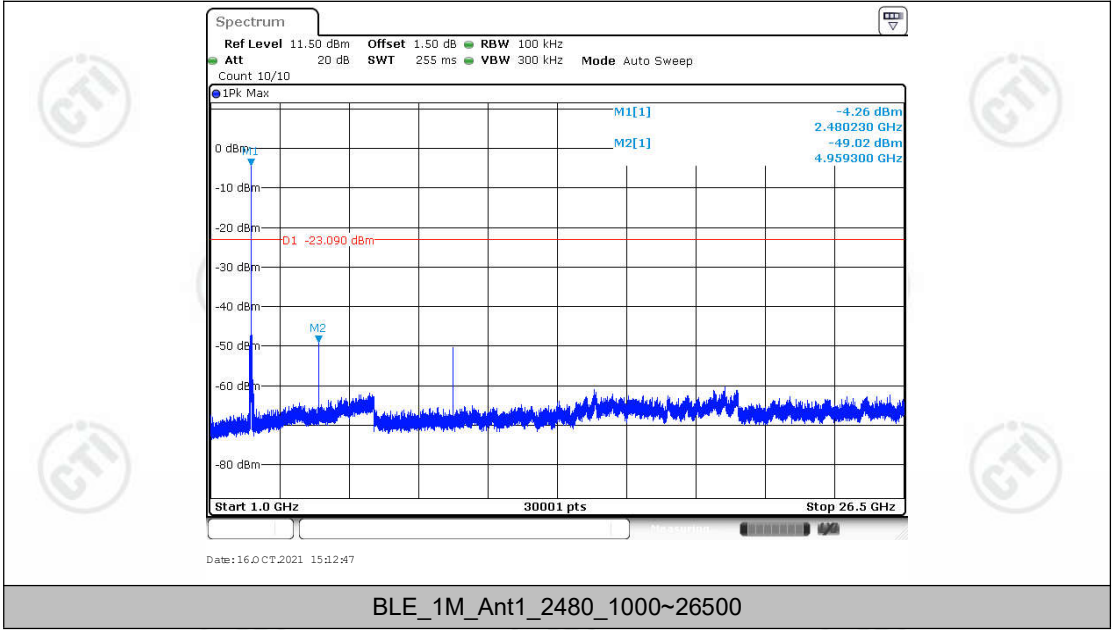
Test Graphs









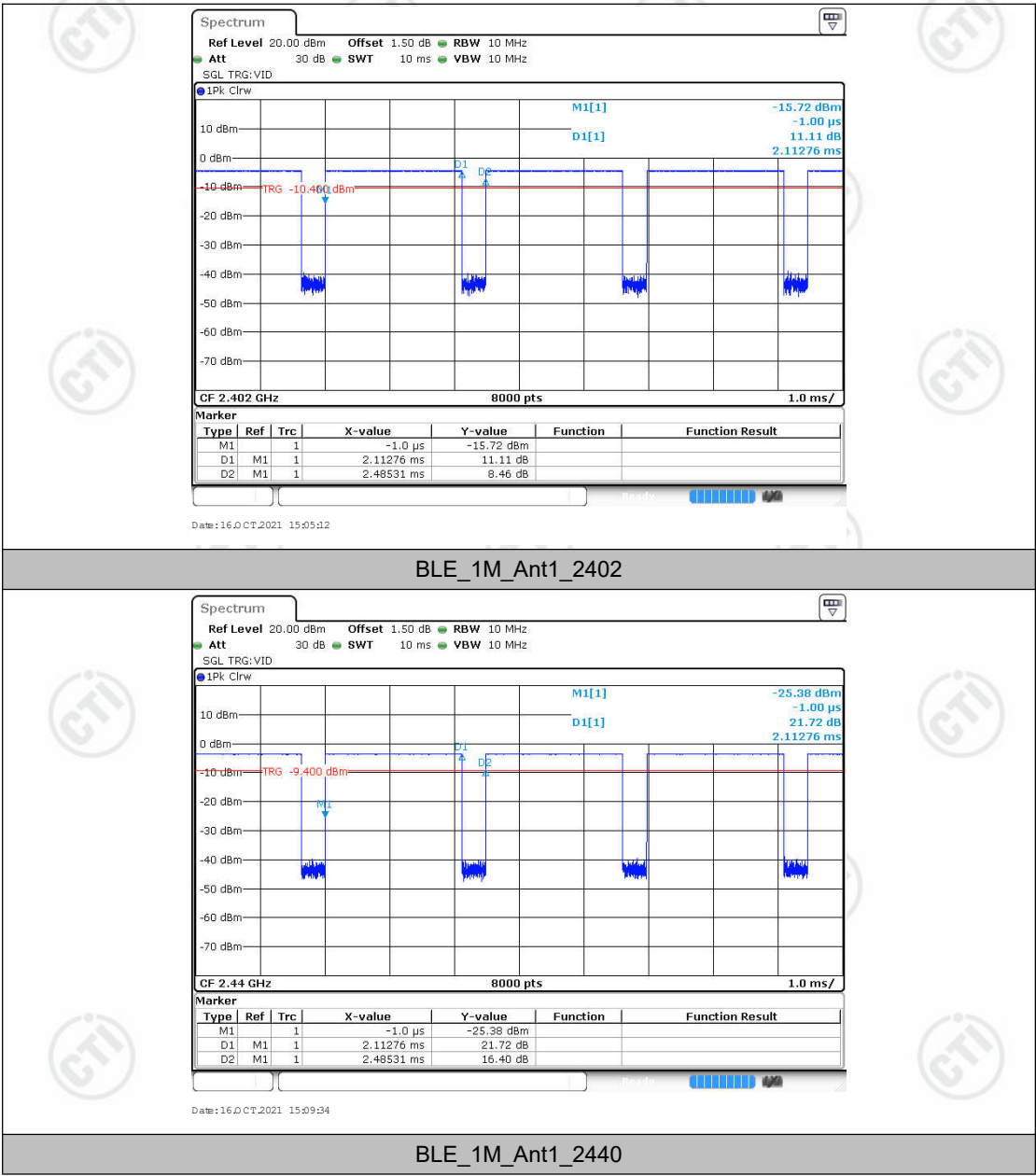


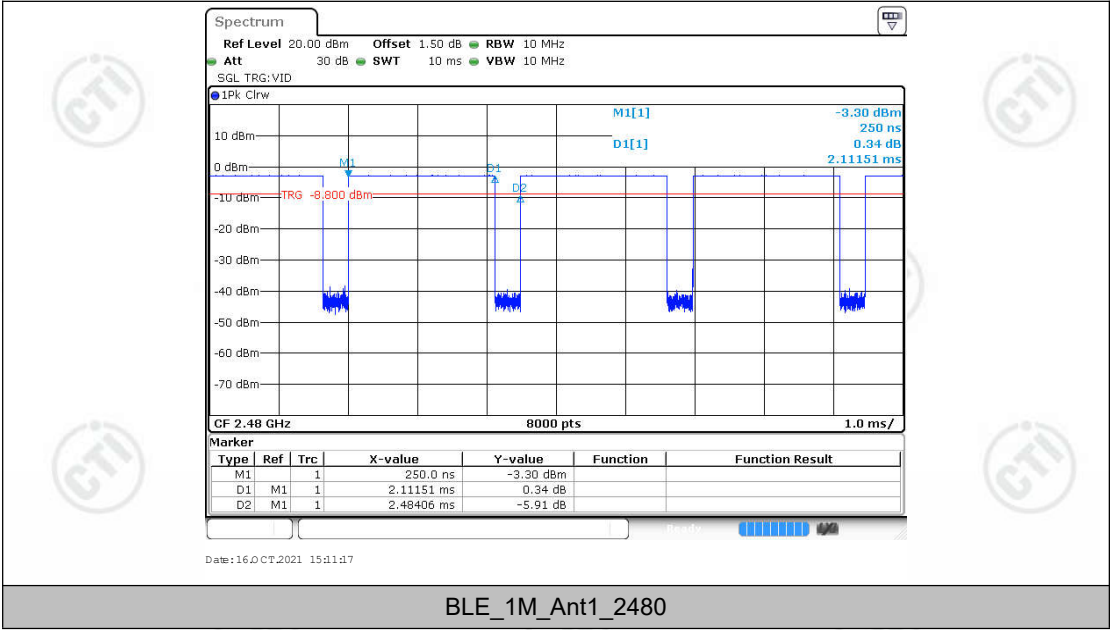
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	2.11	2.49	84.74	---	PASS
		2440	2.11	2.49	84.74	---	PASS
		2480	2.11	2.48	85.08	---	PASS

Test Graphs





*** End of Report ***