

Appendix: Bluetooth LE

Contents

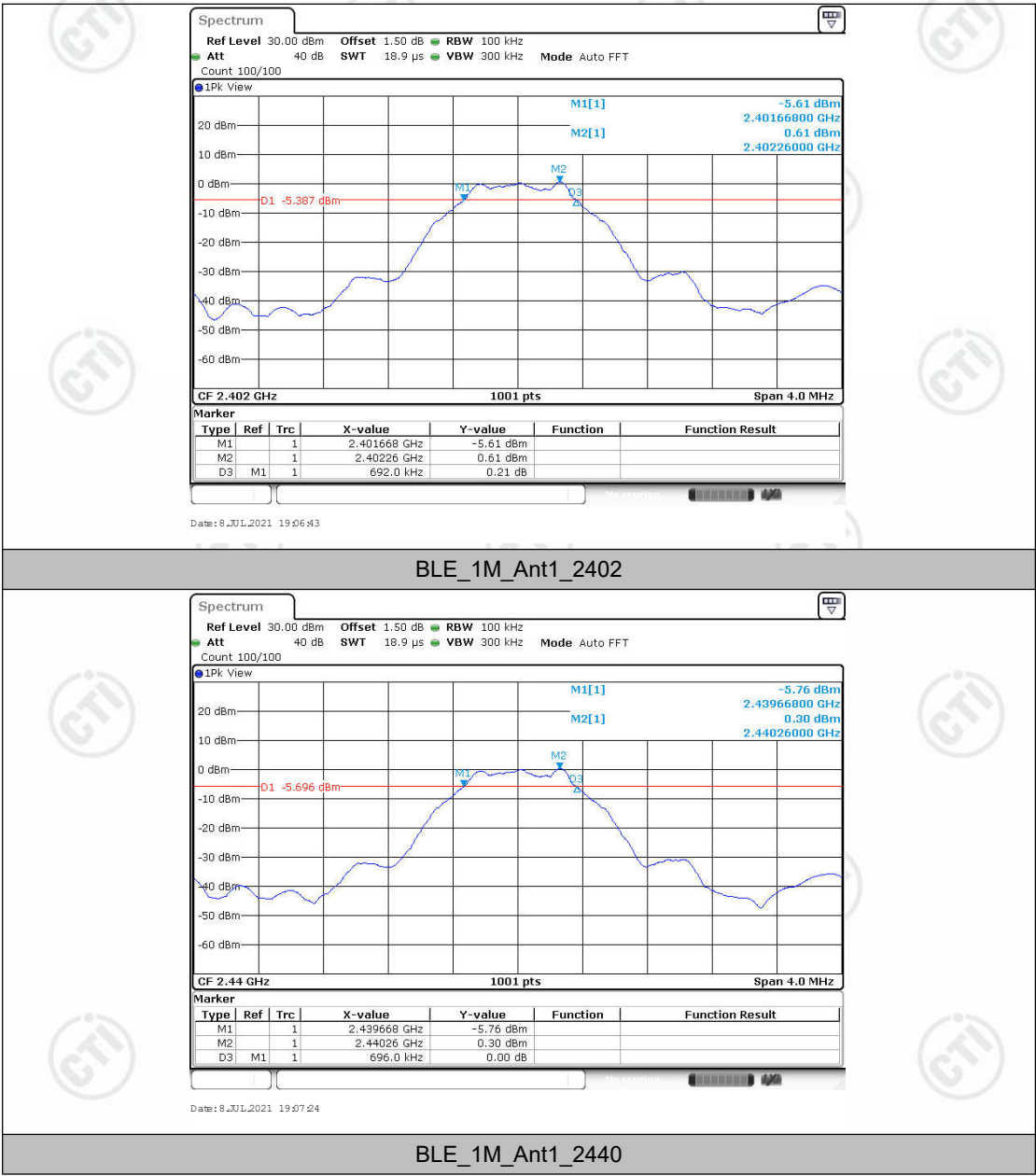
Appendix A: DTS Bandwidth.....	3
Test Result.....	3
Test Graphs.....	4
Appendix B: Occupied Channel Bandwidth.....	6
Test Result.....	6
Test Graphs.....	7
Appendix C: Maximum conducted output power.....	9
Test Result.....	9
Test Graphs.....	10
Appendix D: Maximum power spectral density.....	12
Test Result.....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

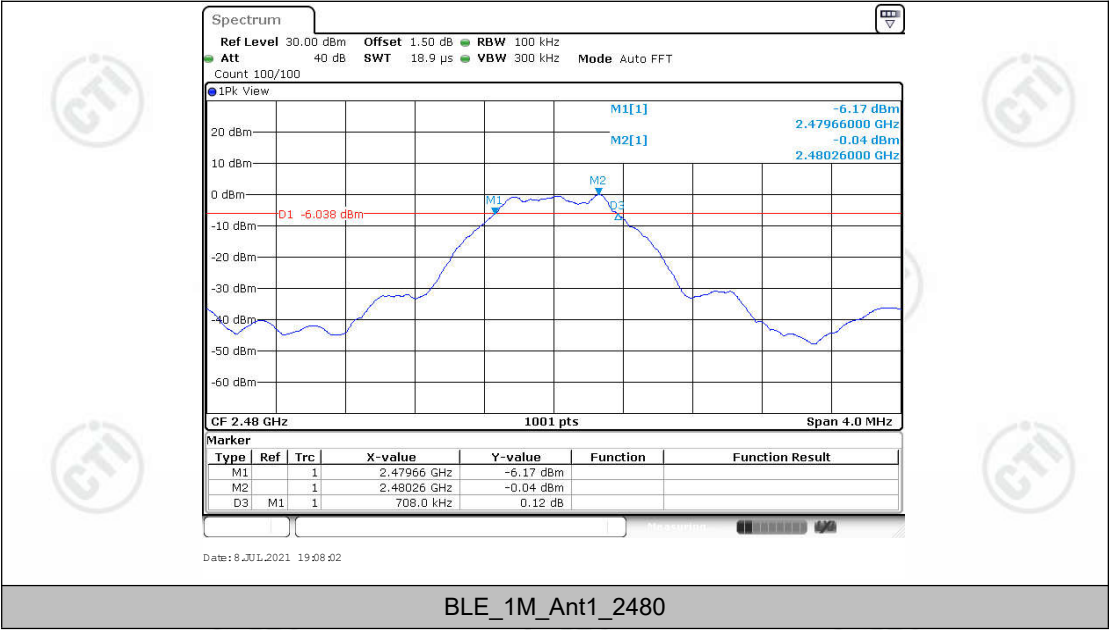
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.668	2402.360	0.5	PASS
		2440	0.696	2439.668	2440.364	0.5	PASS
		2480	0.708	2479.660	2480.368	0.5	PASS

Test Graphs



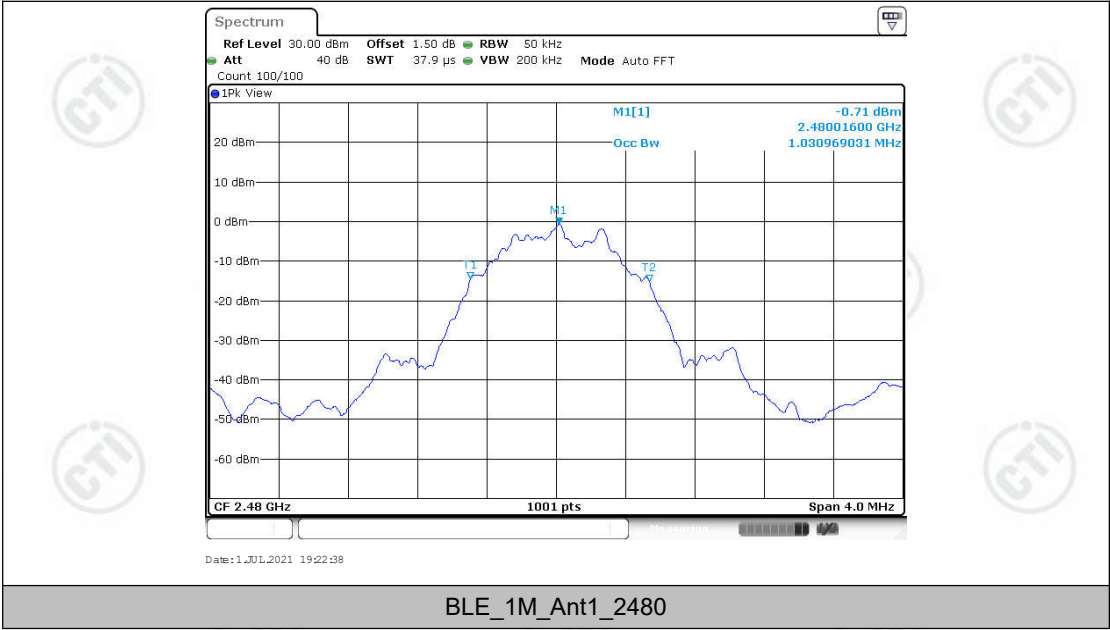


Appendix B: Occupied Channel Bandwidth**Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.023	2401.504	2402.527	---	PASS
		2440	1.023	2439.504	2440.527	---	PASS
		2480	1.031	2479.504	2480.535	---	PASS

Test Graphs



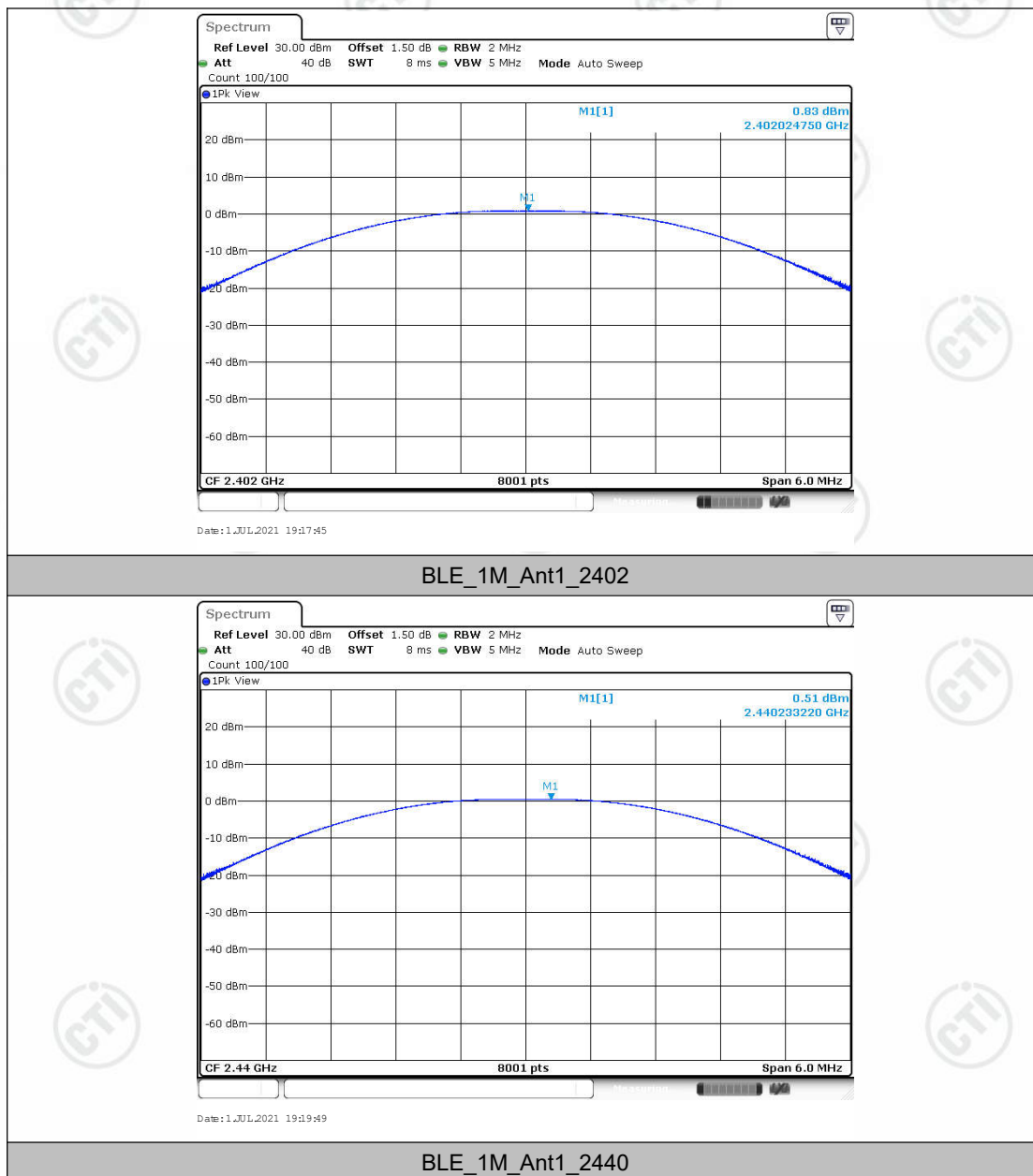


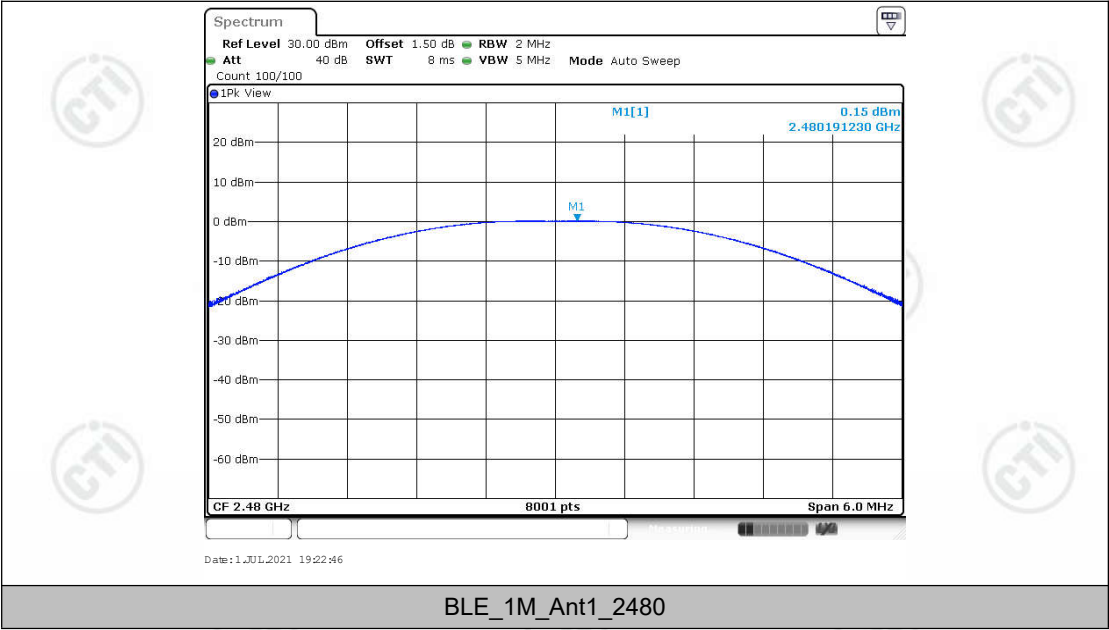
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.83	<=30	PASS
		2440	0.51	<=30	PASS
		2480	0.15	<=30	PASS

Test Graphs

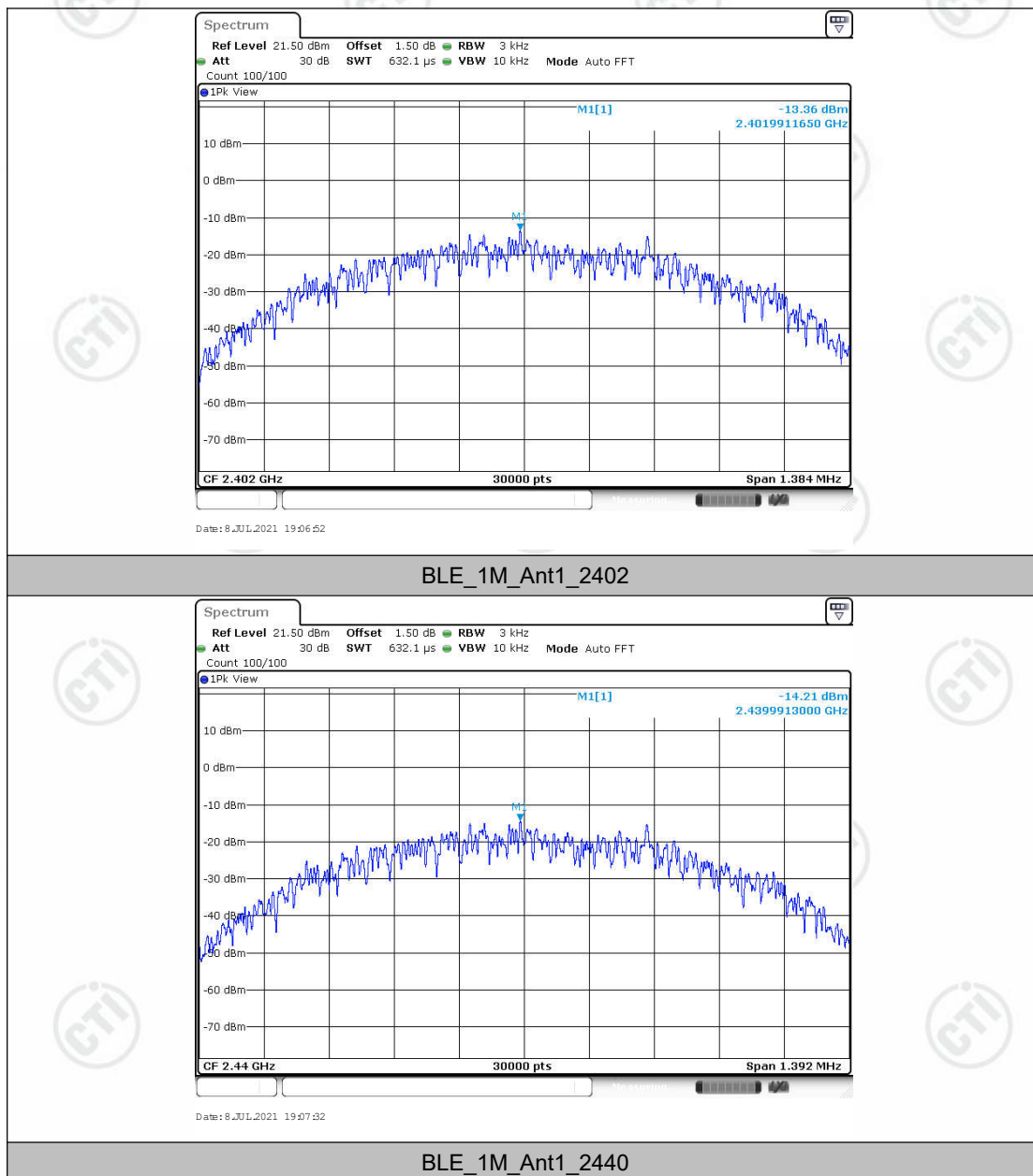


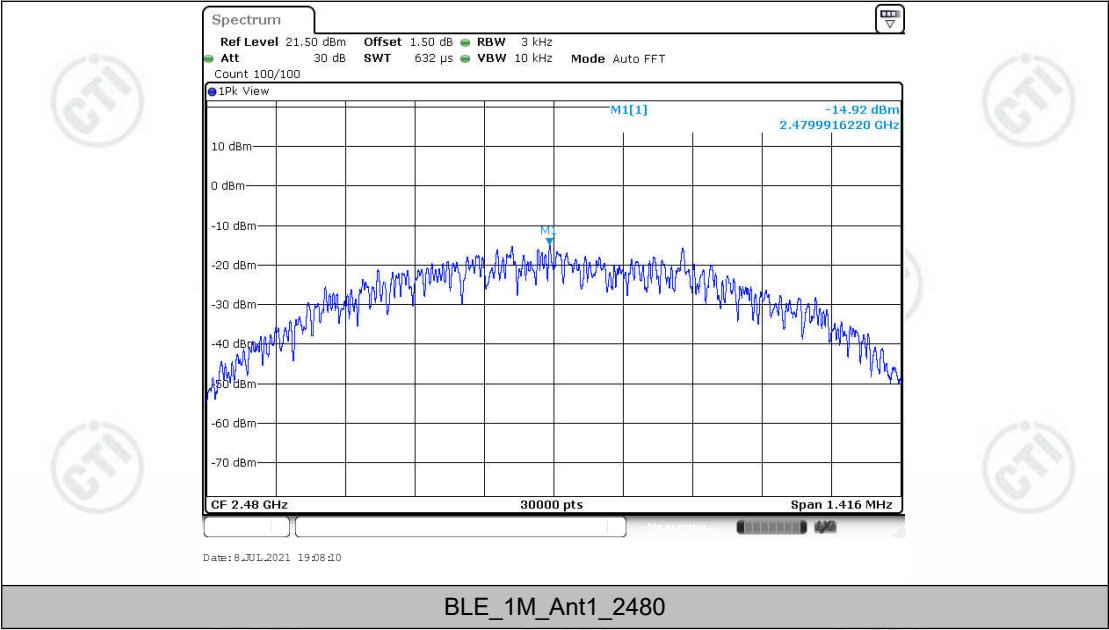


Appendix D: Maximum power spectral density**Test Result**

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.36	<=8	PASS
		2440	-14.21	<=8	PASS
		2480	-14.92	<=8	PASS

Test Graphs

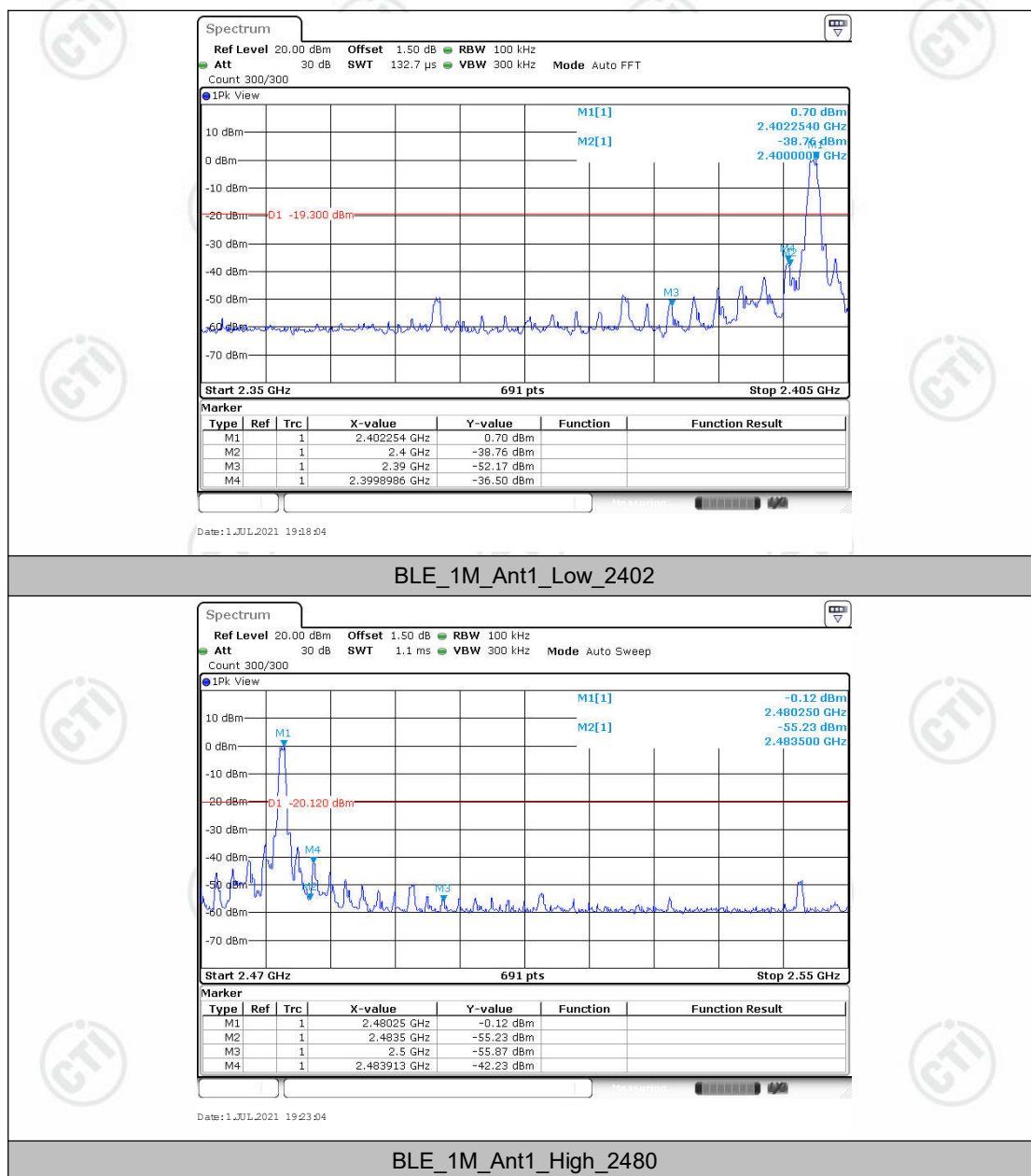




Appendix E: Band edge measurements**Test Result**

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.70	-36.5	<=-19.3	PASS
		High	2480	-0.12	-42.23	<=-20.12	PASS

Test Graphs

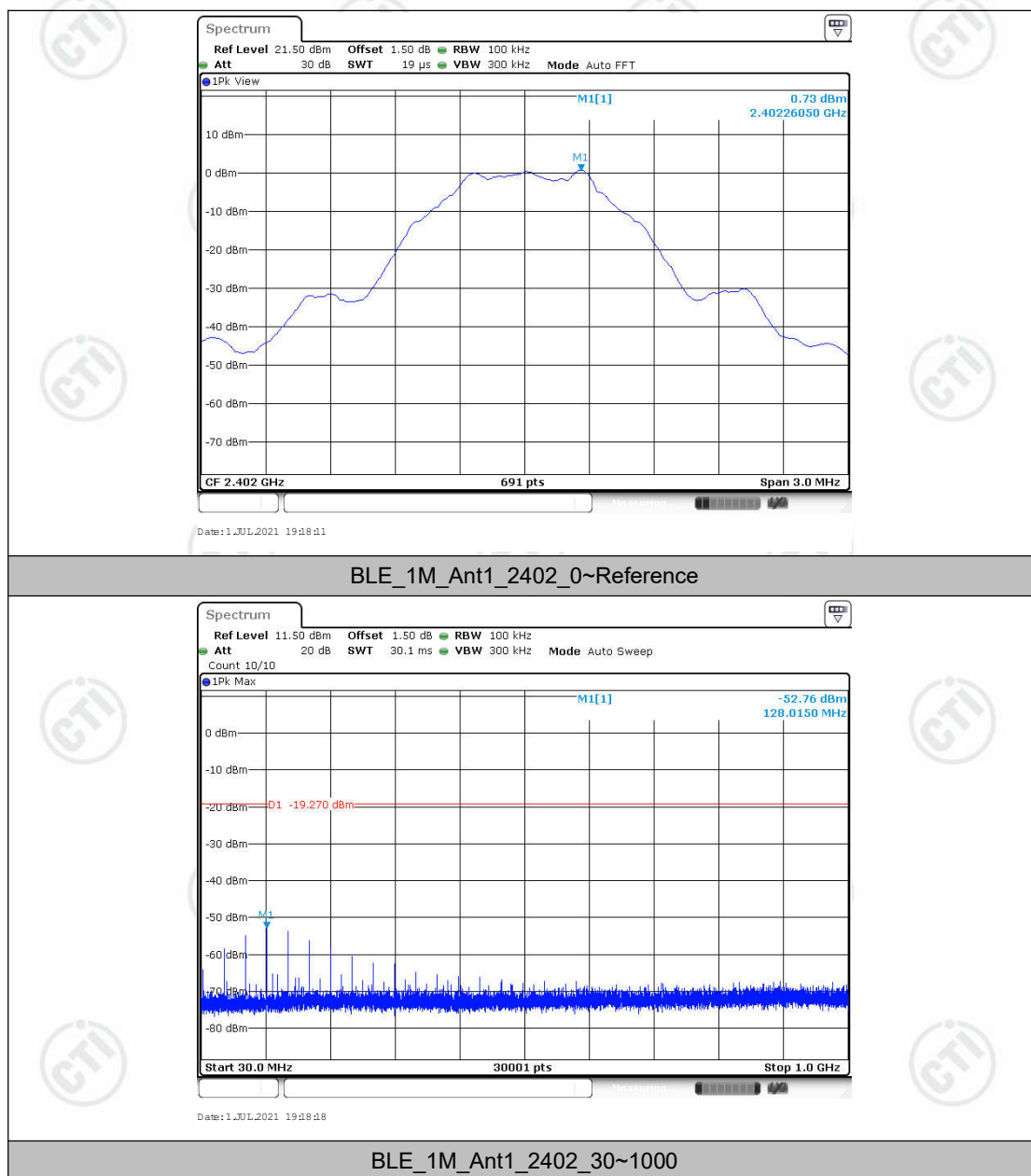


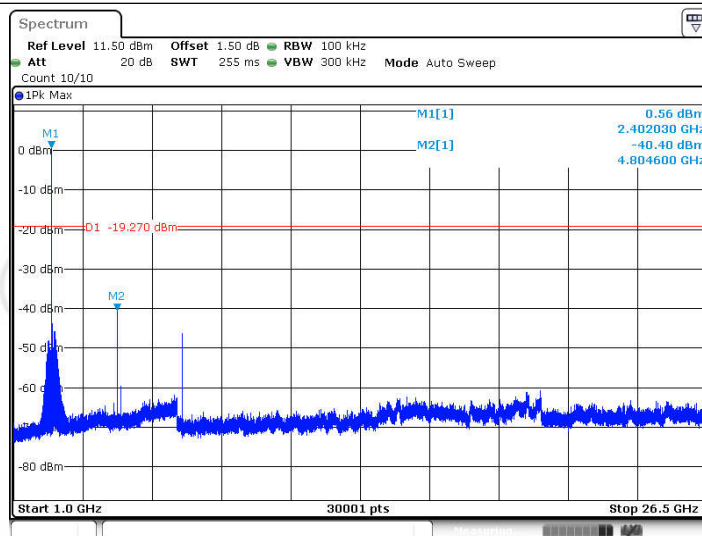
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.73	0.73	---	PASS
			30~1000	0.73	-52.76	<=-19.27	PASS
			1000~26500	0.73	-40.4	<=-19.27	PASS
		2440	Reference	0.38	0.38	---	PASS
			30~1000	0.38	-52.77	<=-19.62	PASS
			1000~26500	0.38	-42.71	<=-19.62	PASS
		2480	Reference	-0.04	-0.04	---	PASS
			30~1000	-0.04	-52.49	<=-20.04	PASS
			1000~26500	-0.04	-41.19	<=-20.04	PASS

Test Graphs





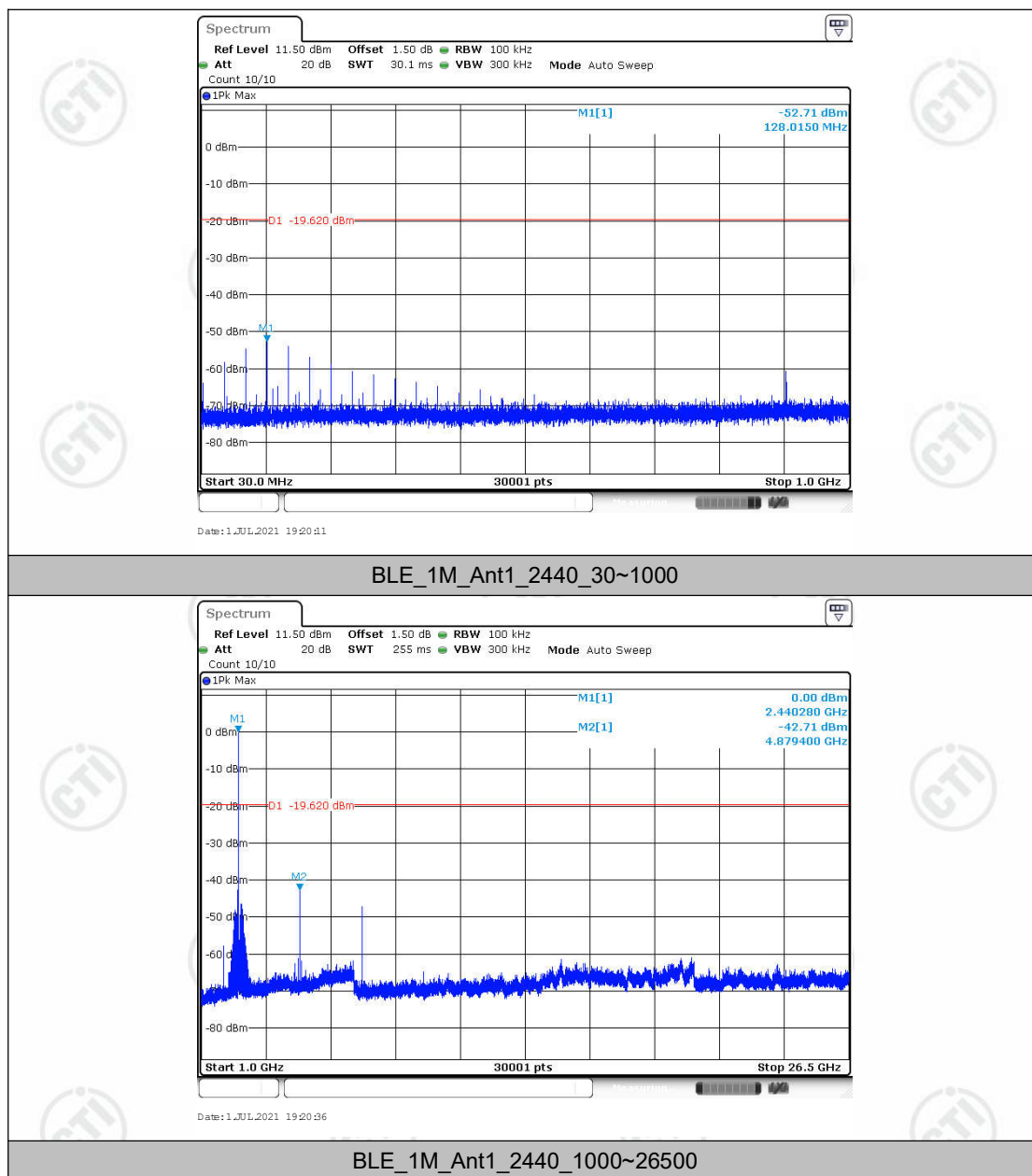
Date: 1 JUL 2021 19:18:42

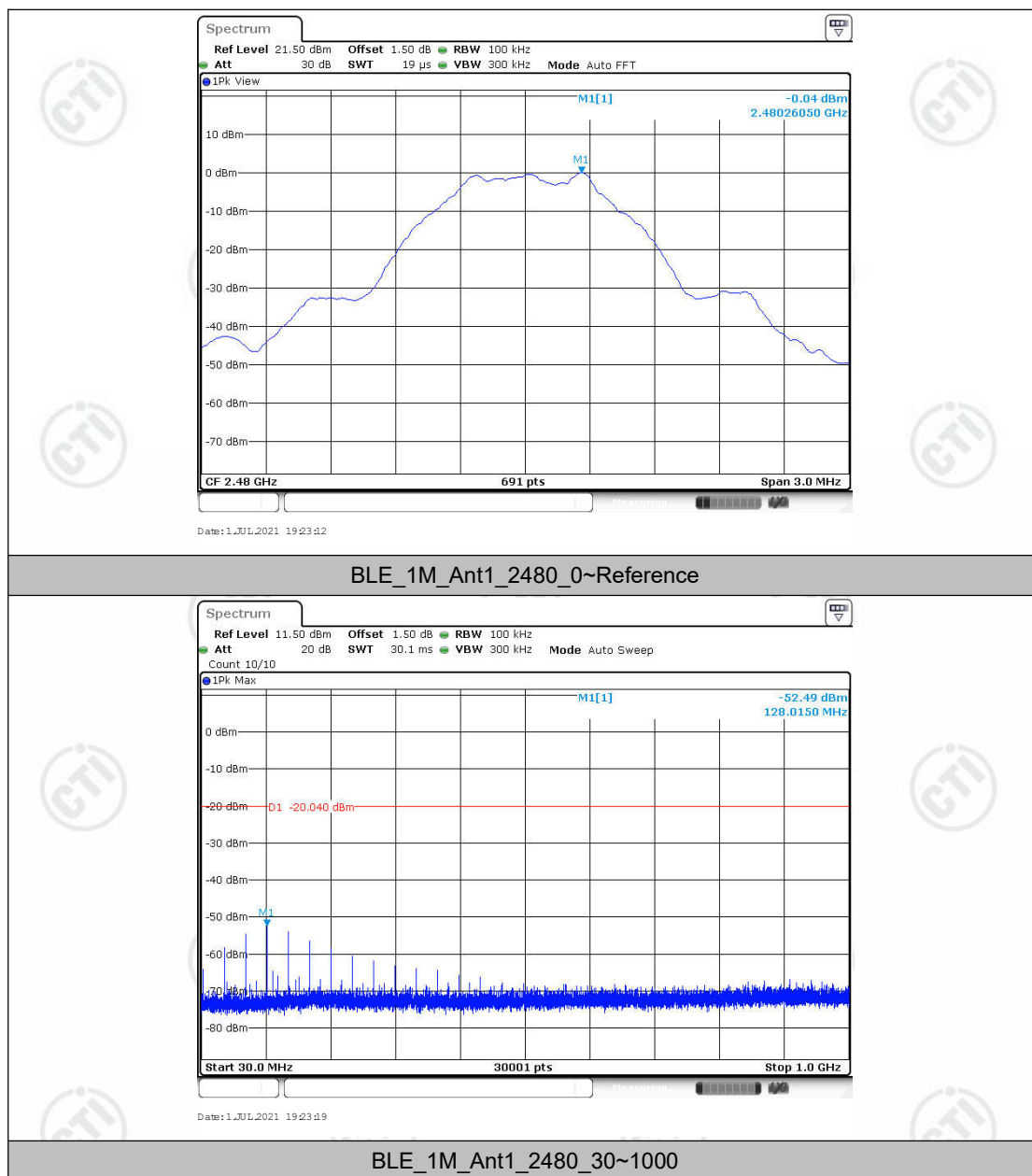
BLE_1M_Ant1_2402_1000~26500

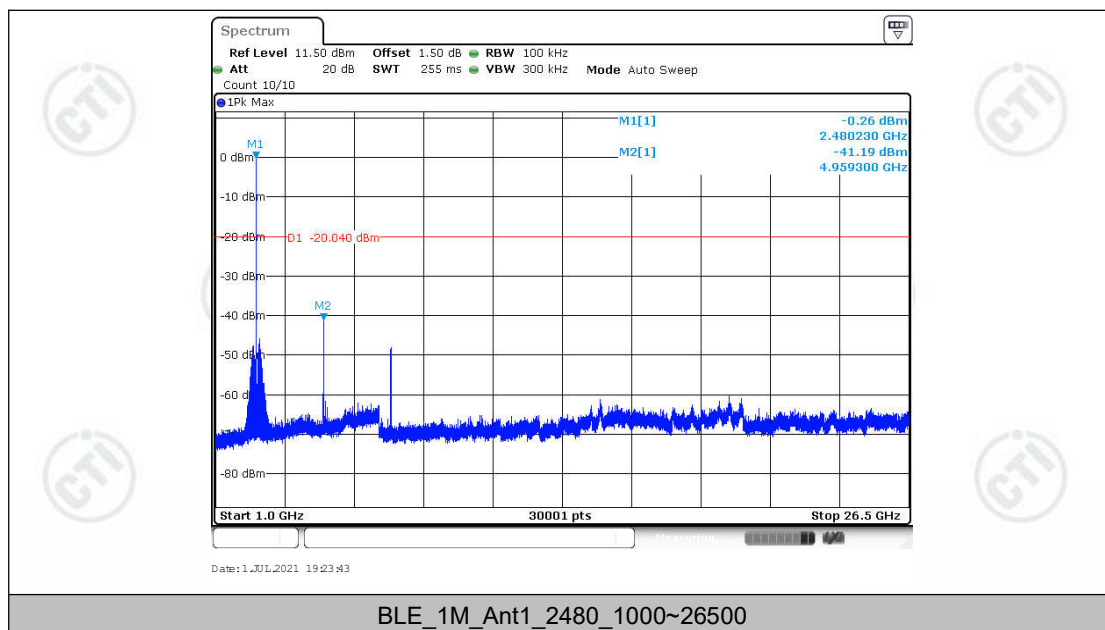


Date: 1 JUL 2021 19:20:05

BLE_1M_Ant1_2440_0~Reference





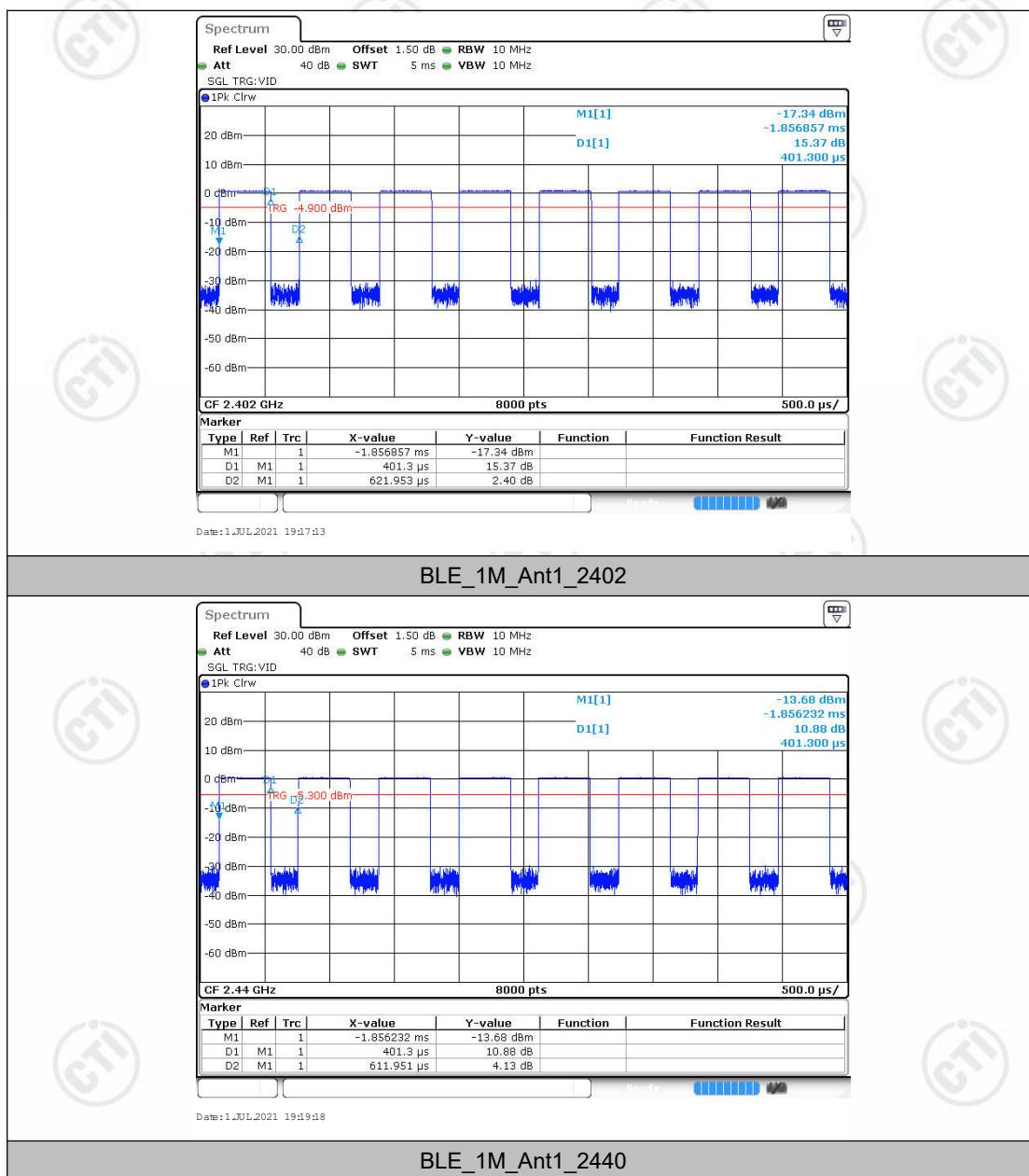


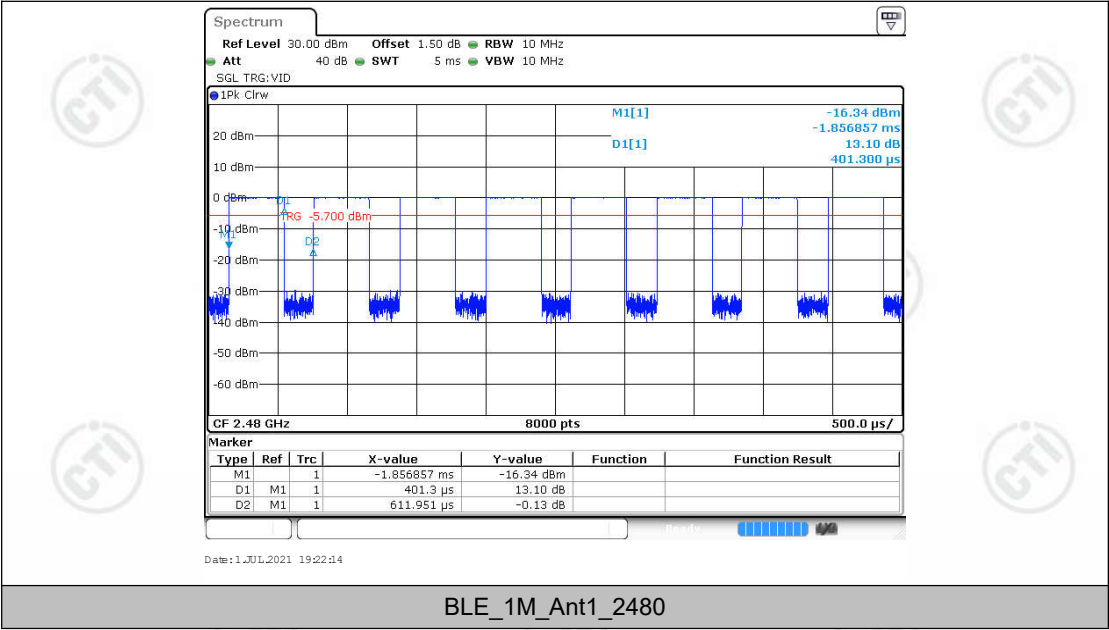
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.40	0.62	64.52	---	PASS
		2440	0.40	0.61	65.57	---	PASS
		2480	0.40	0.61	65.57	---	PASS

Test Graphs





*** End of Report ***