

Appendix: Bluetooth LE

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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.664	2402.328	0.5	PASS
BLE_1M	Ant1	2440	0.684	2439.648	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.684	2479.648	2480.332	0.5	PASS

Test Graphs



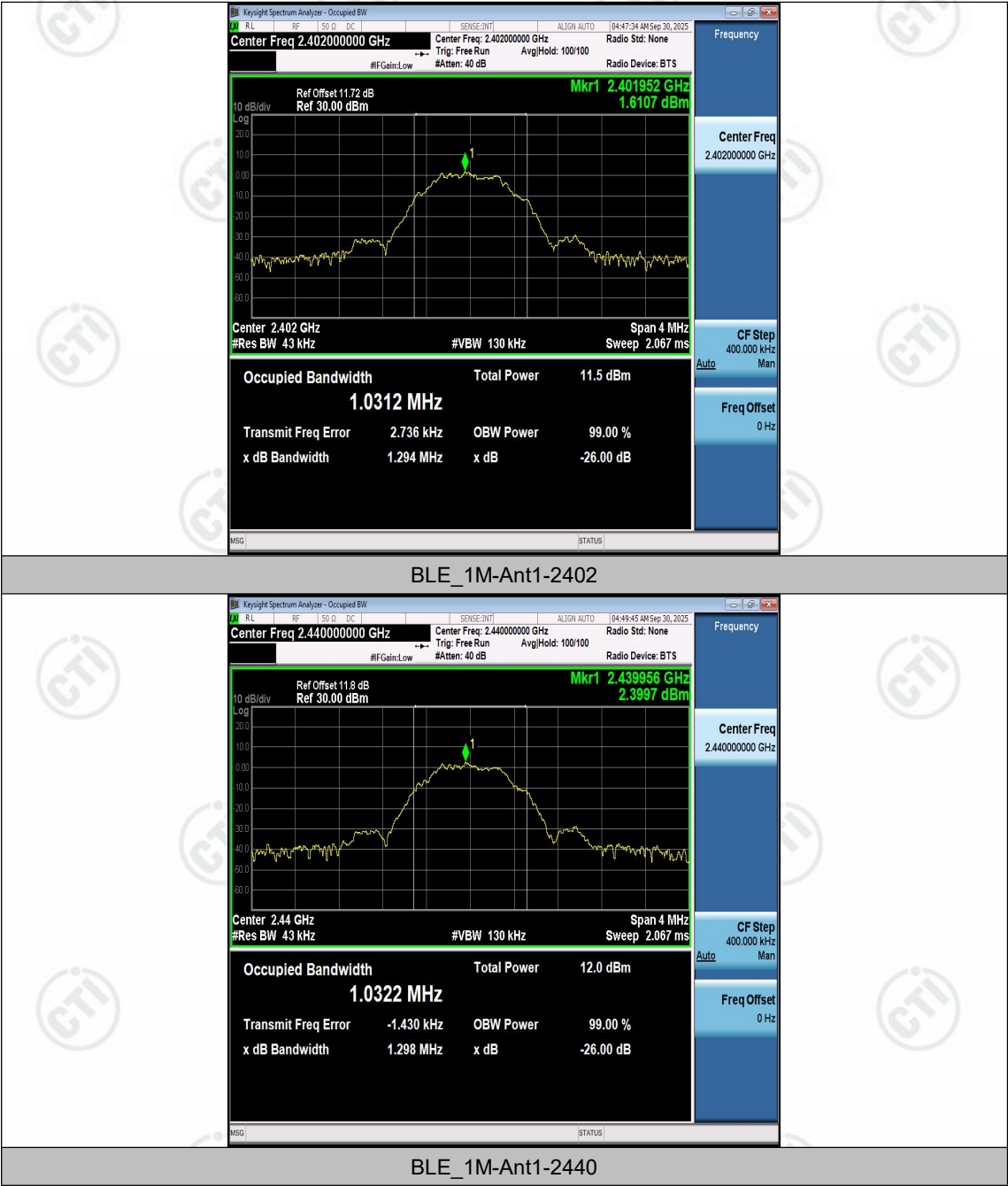


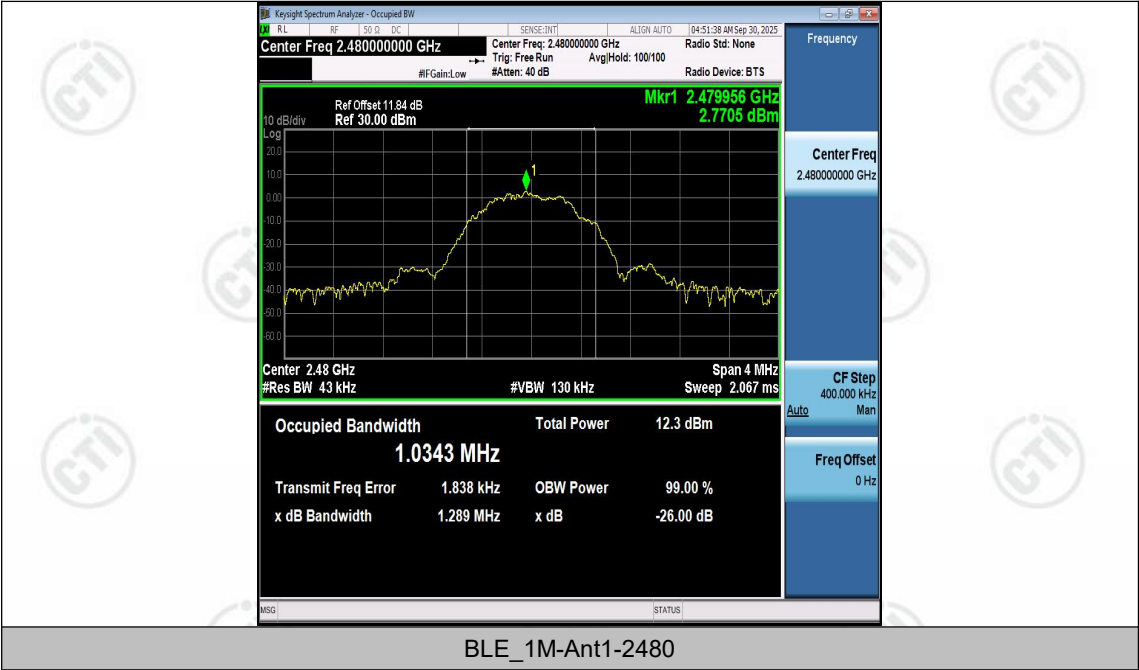
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0312	2401.4871	2402.5183	---	---
BLE_1M	Ant1	2440	1.0322	2439.4825	2440.5147	---	---
BLE_1M	Ant1	2480	1.0343	2479.4847	2480.5190	---	---

Test Graphs

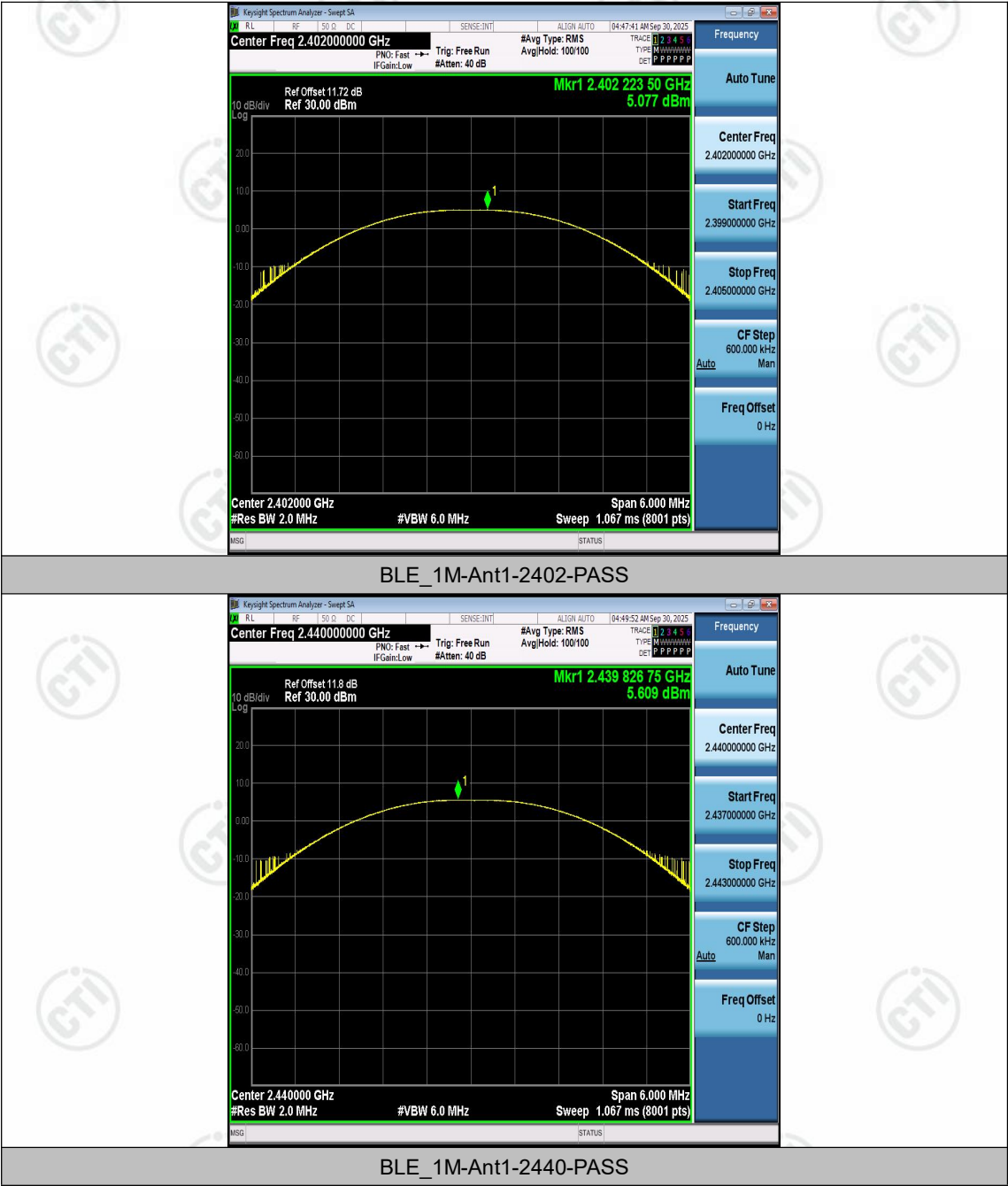


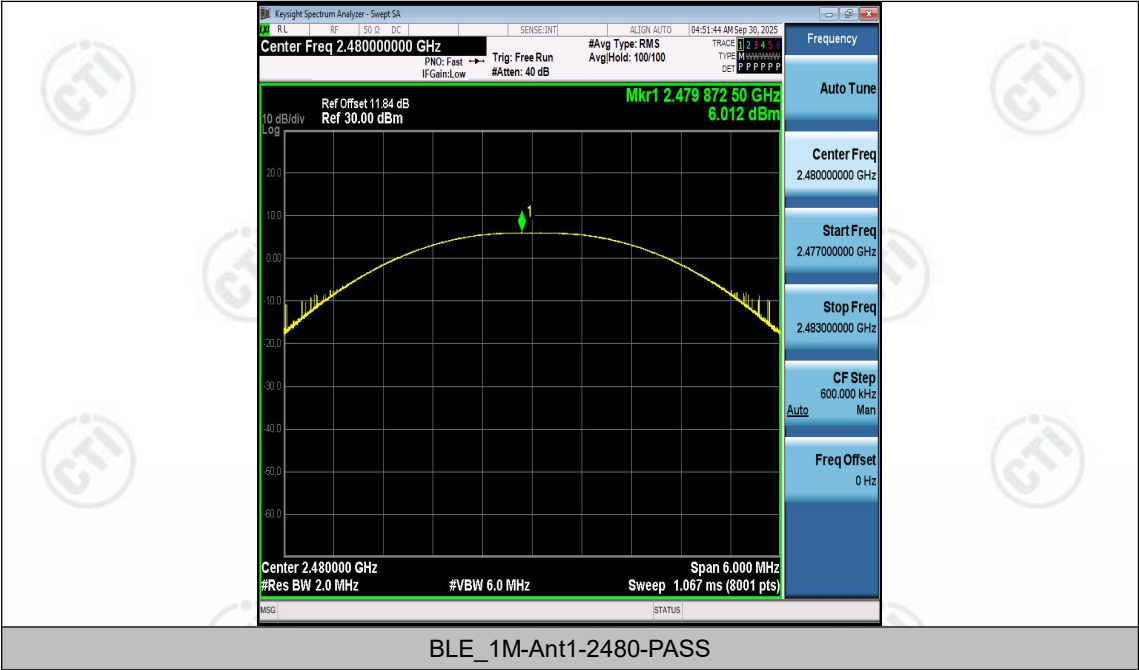


Appendix C: Maximum conducted output power**Test Result Peak**

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.08	≤30	PASS
BLE_1M	Ant1	2440	5.61	≤30	PASS
BLE_1M	Ant1	2480	6.01	≤30	PASS

Test Graphs Peak



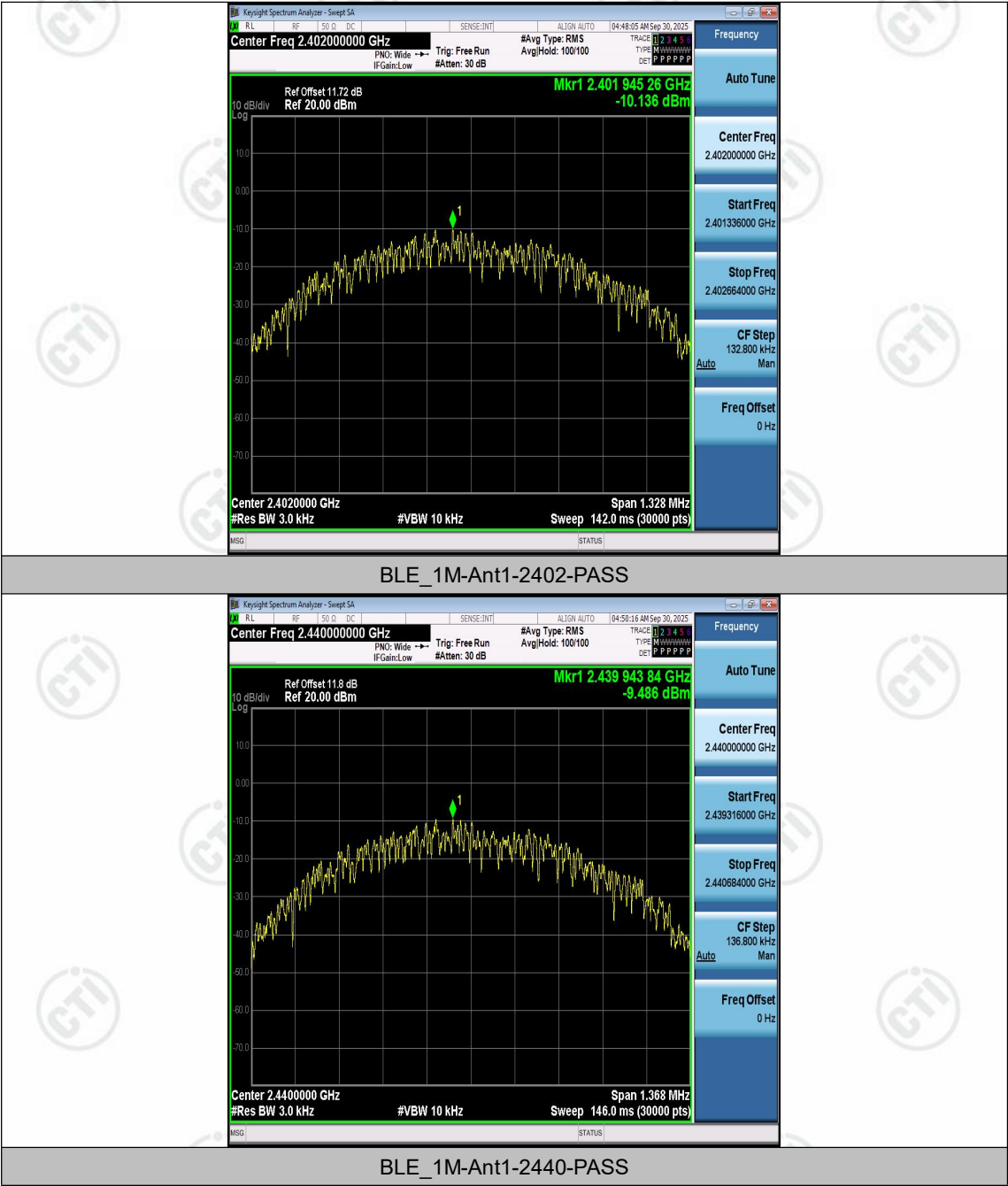


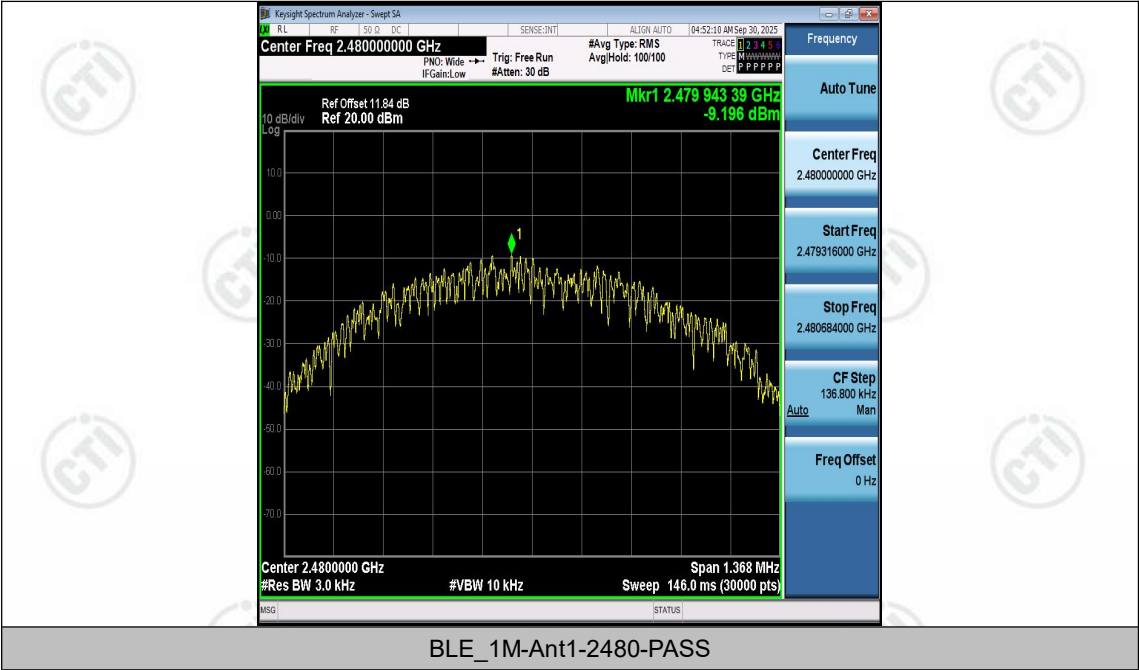
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.14	≤8.00	PASS
BLE_1M	Ant1	2440	-9.49	≤8.00	PASS
BLE_1M	Ant1	2480	-9.20	≤8.00	PASS

Test Graphs



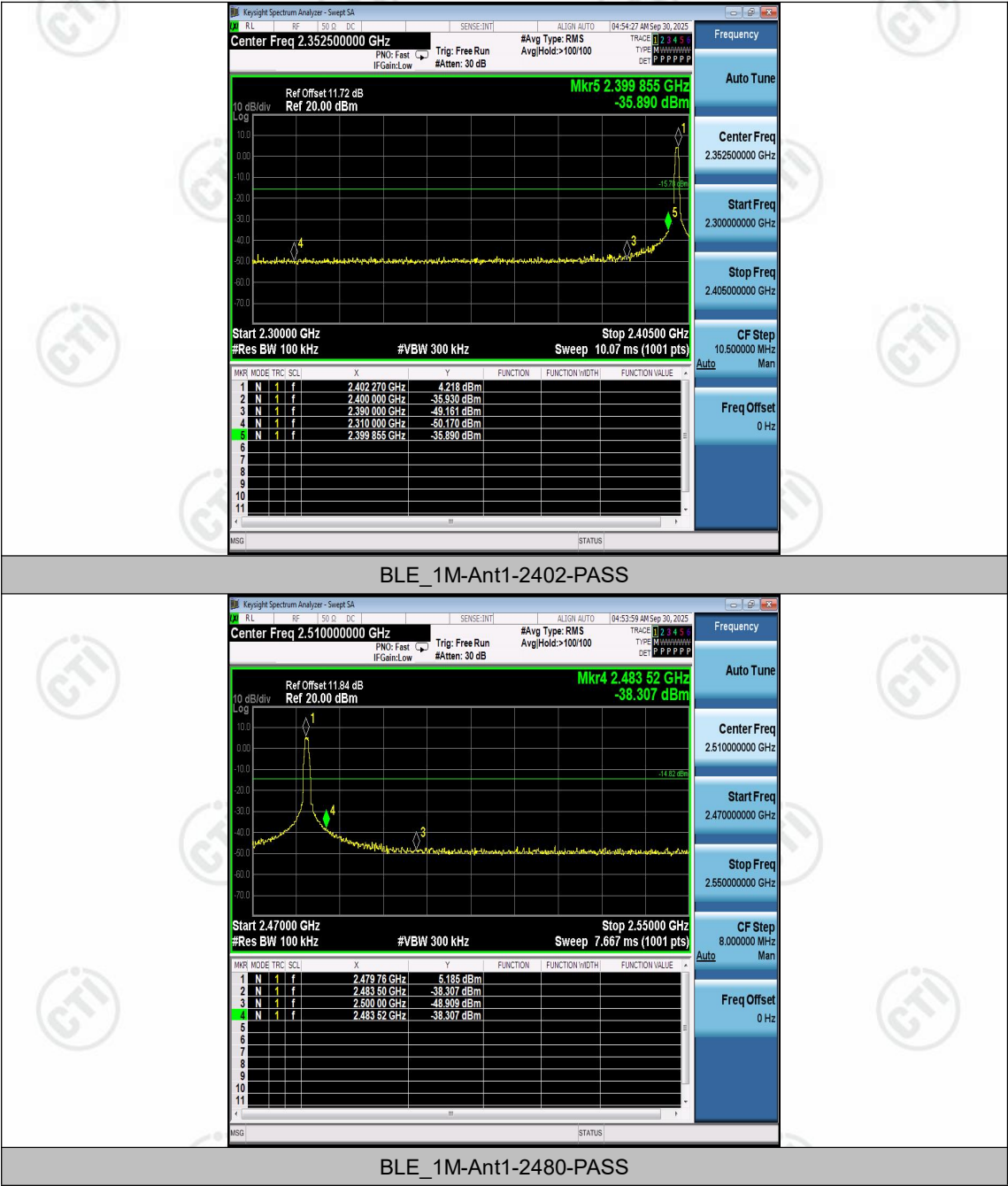


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.22	-35.89	≤-15.78	PASS
BLE_1M	Ant1	High	2480	5.19	-38.31	≤-14.82	PASS

Test Graphs

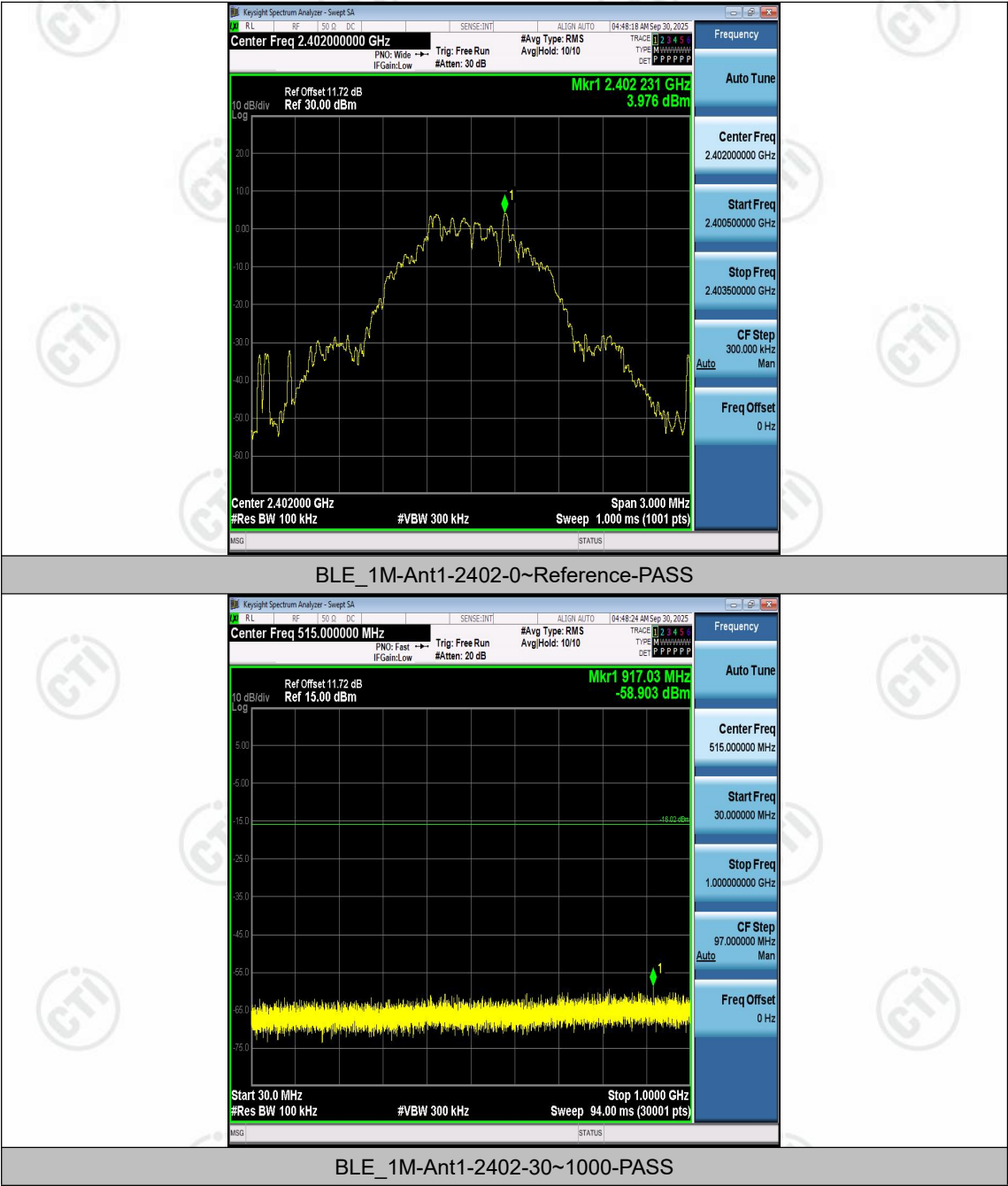


Appendix F: Conducted Spurious Emission

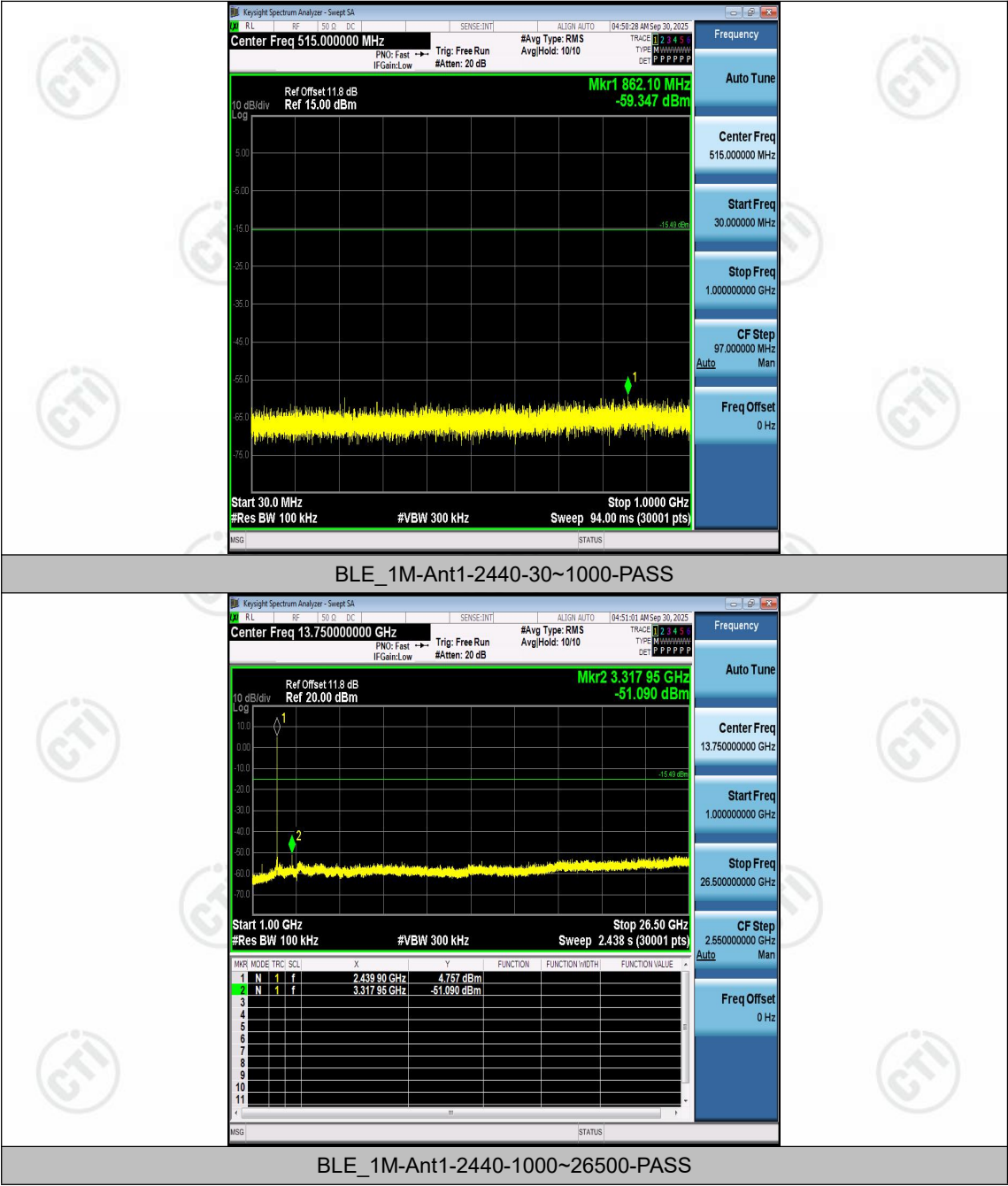
Test Result

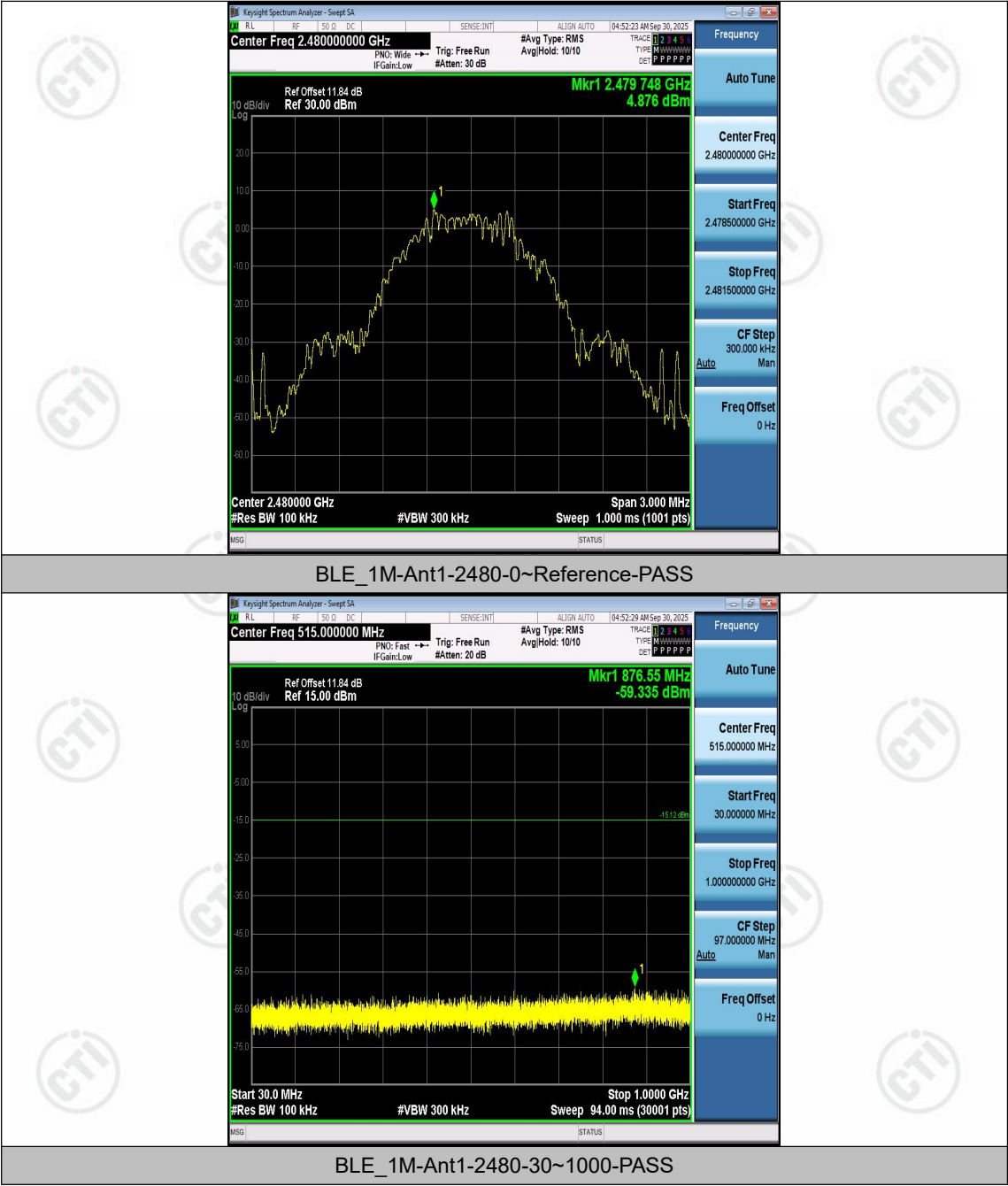
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.98	3.98	---	PASS
BLE_1M	Ant1	2402	30~1000	3.98	-58.9	≤-16.02	PASS
BLE_1M	Ant1	2402	1000~26500	3.98	-51.34	≤-16.02	PASS
BLE_1M	Ant1	2440	0~Reference	4.51	4.51	---	PASS
BLE_1M	Ant1	2440	30~1000	4.51	-59.35	≤-15.49	PASS
BLE_1M	Ant1	2440	1000~26500	4.51	-51.09	≤-15.49	PASS
BLE_1M	Ant1	2480	0~Reference	4.88	4.88	---	PASS
BLE_1M	Ant1	2480	30~1000	4.88	-59.34	≤-15.12	PASS
BLE_1M	Ant1	2480	1000~26500	4.88	-50.54	≤-15.12	PASS

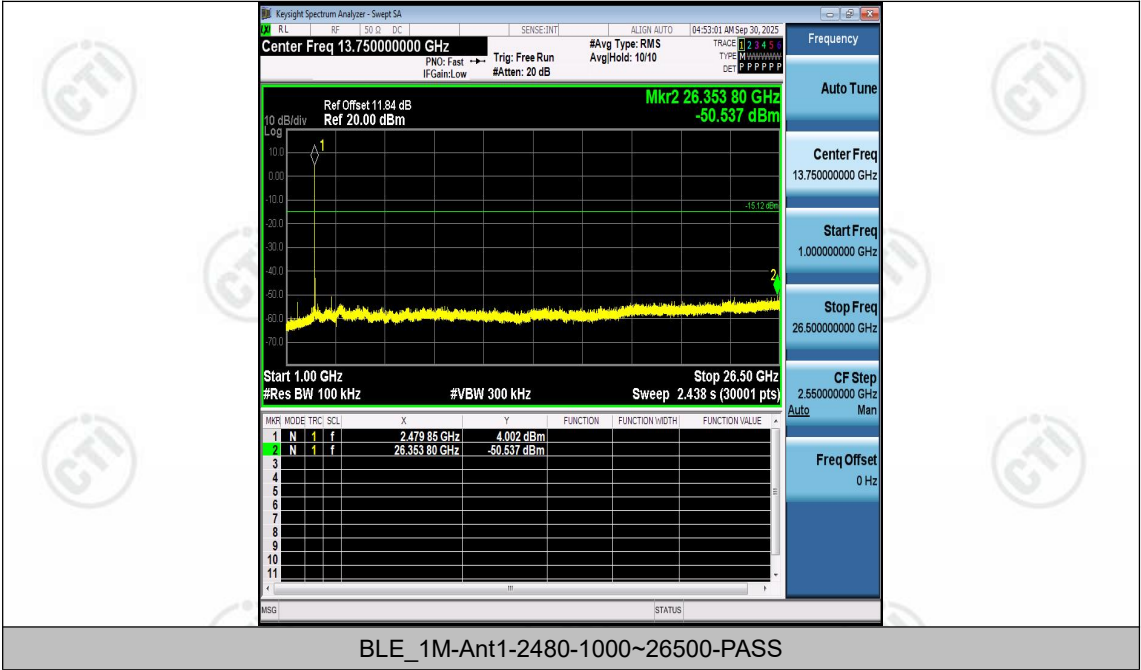
Test Graphs









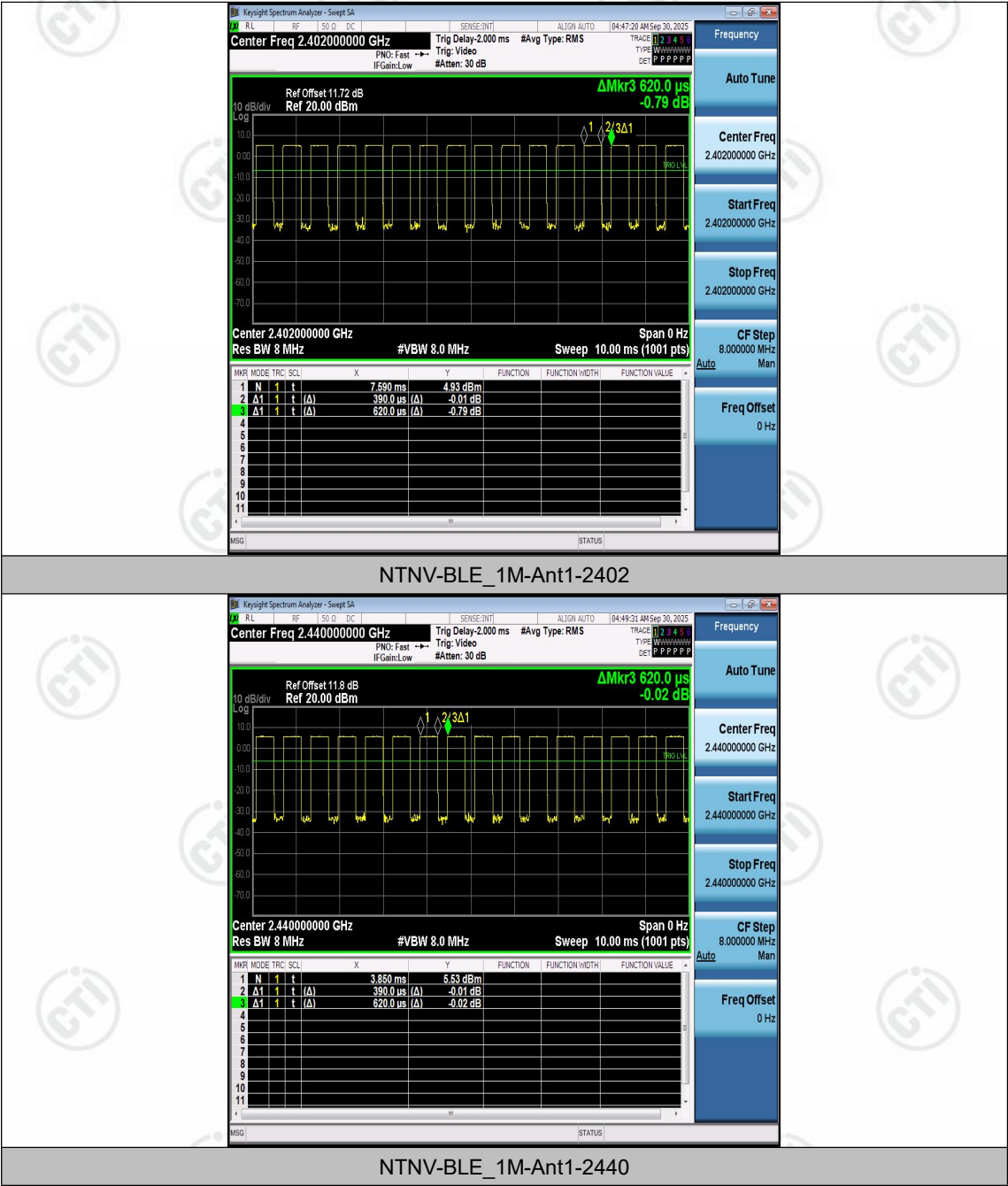


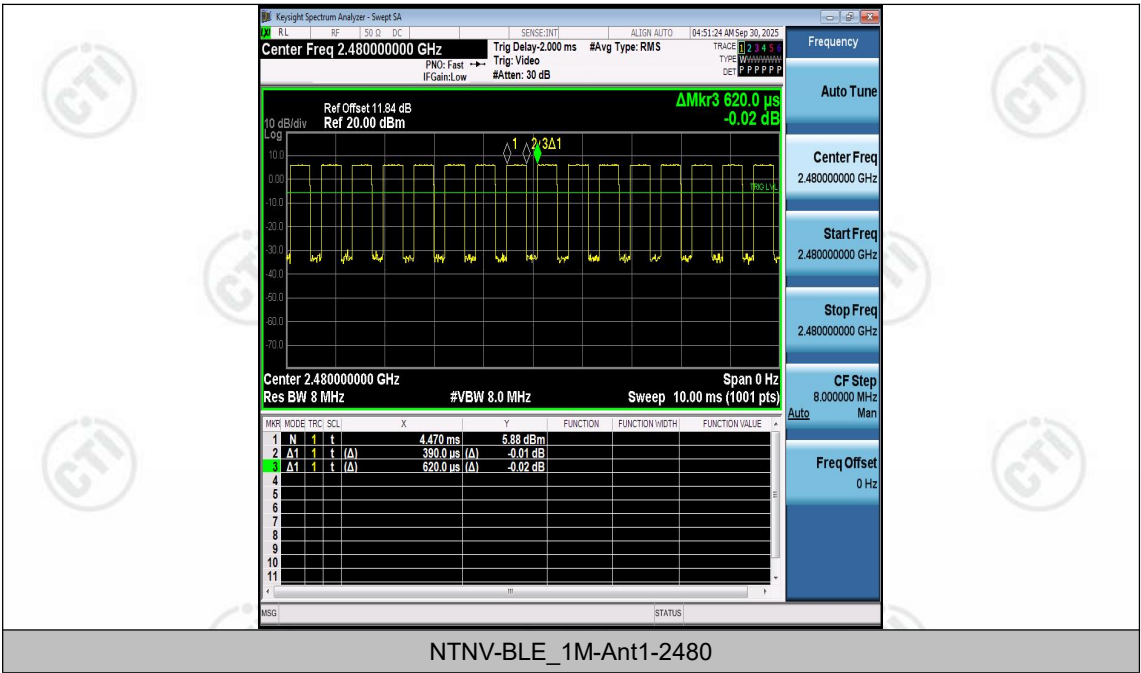
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2440	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2480	0.39	0.62	62.90	2.01

Test Graphs





*** End of Report ***