

Appendix: Bluetooth LE

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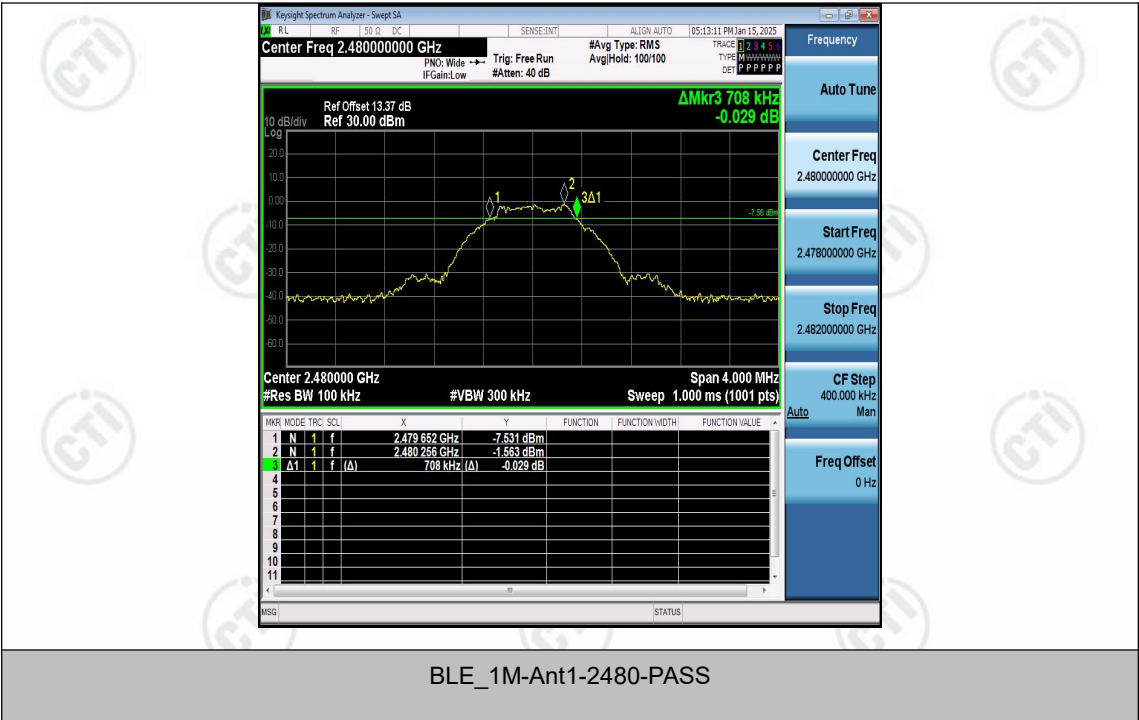
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.652	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.680	2439.668	2440.348	0.5	PASS
BLE_1M	Ant1	2480	0.708	2479.652	2480.360	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	1.0478	2401.4955	2402.5433	---	---
BLE_1M	Ant1	2440	1.0473	2439.4920	2440.5393	---	---
BLE_1M	Ant1	2480	1.0469	2479.4913	2480.5382	---	---

Test Graphs



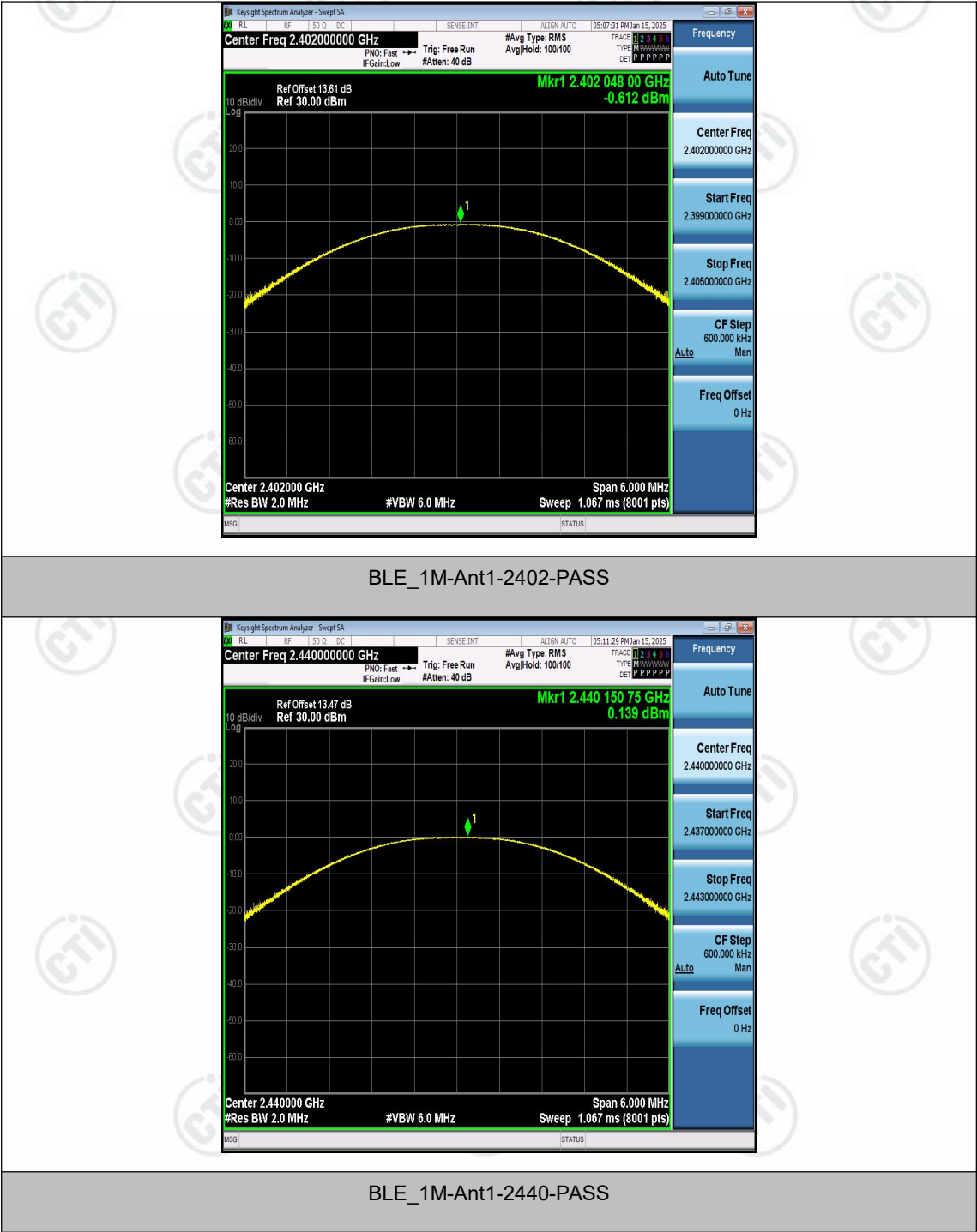


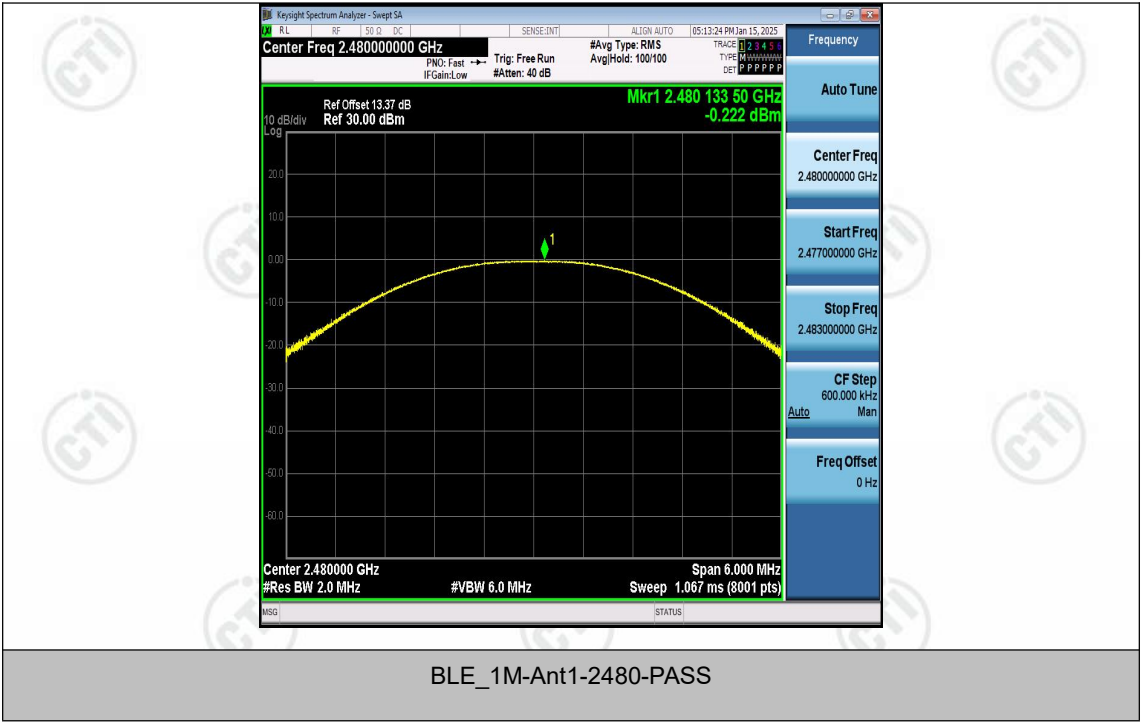
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.61	≤30	2.23	≤36	PASS
BLE_1M	Ant1	2440	0.14	≤30	2.98	≤36	PASS
BLE_1M	Ant1	2480	-0.22	≤30	2.62	≤36	PASS

Test Graphs Peak



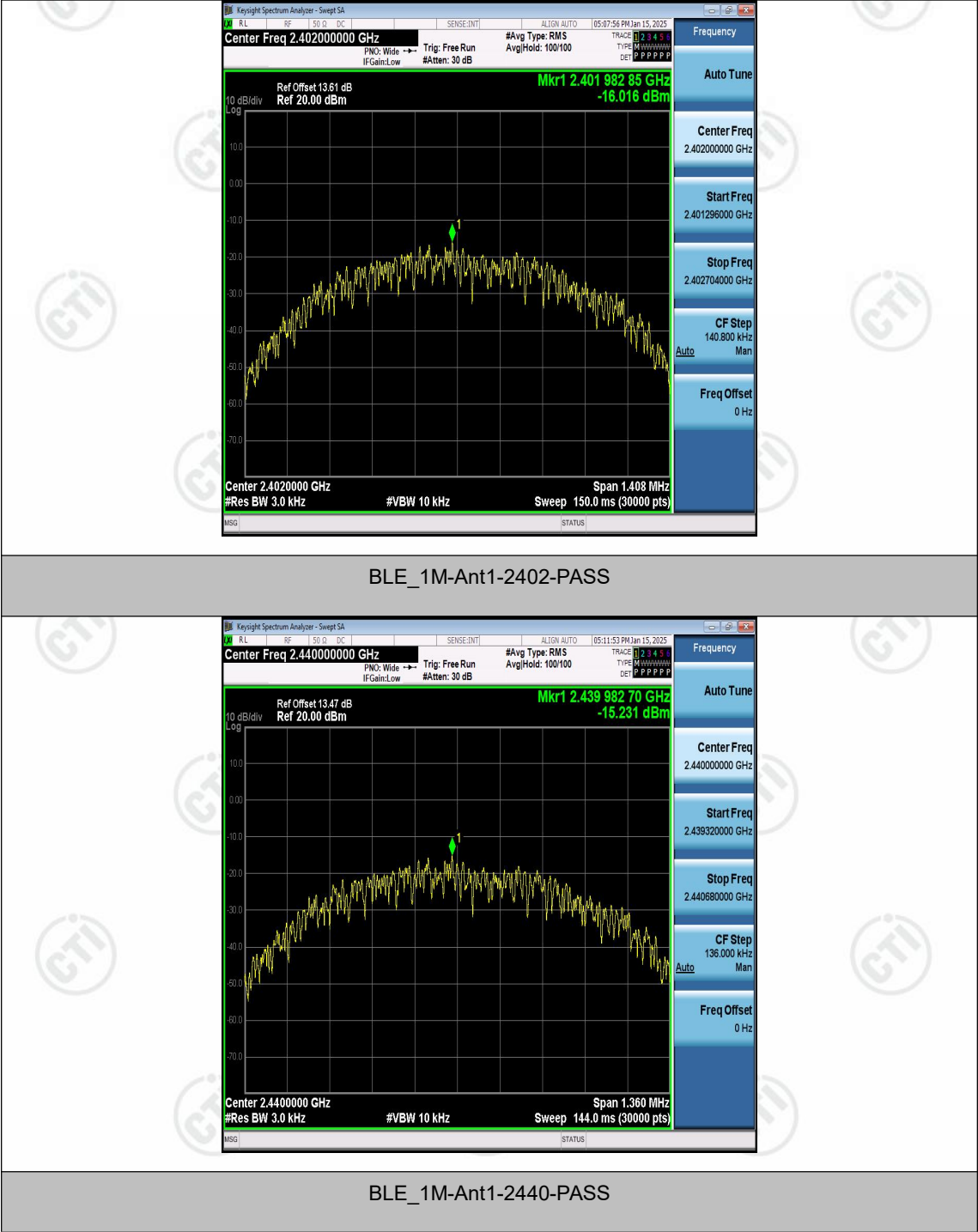


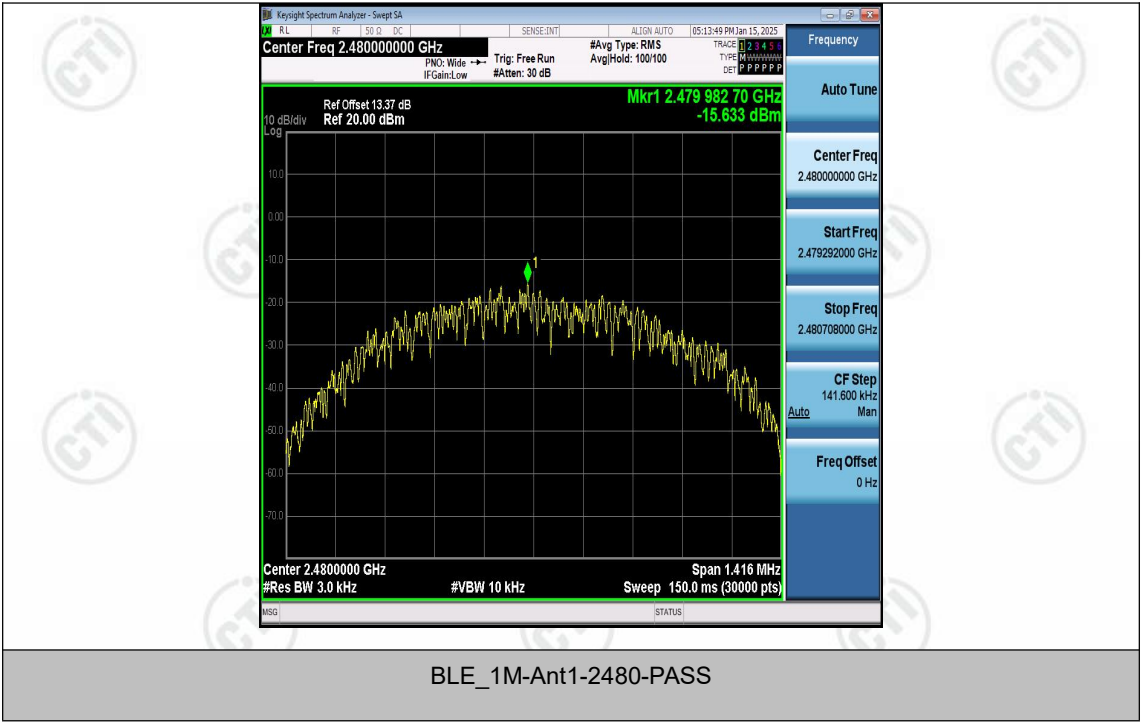
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.02	≤8.00	PASS
BLE_1M	Ant1	2440	-15.23	≤8.00	PASS
BLE_1M	Ant1	2480	-15.63	≤8.00	PASS

Test Graphs



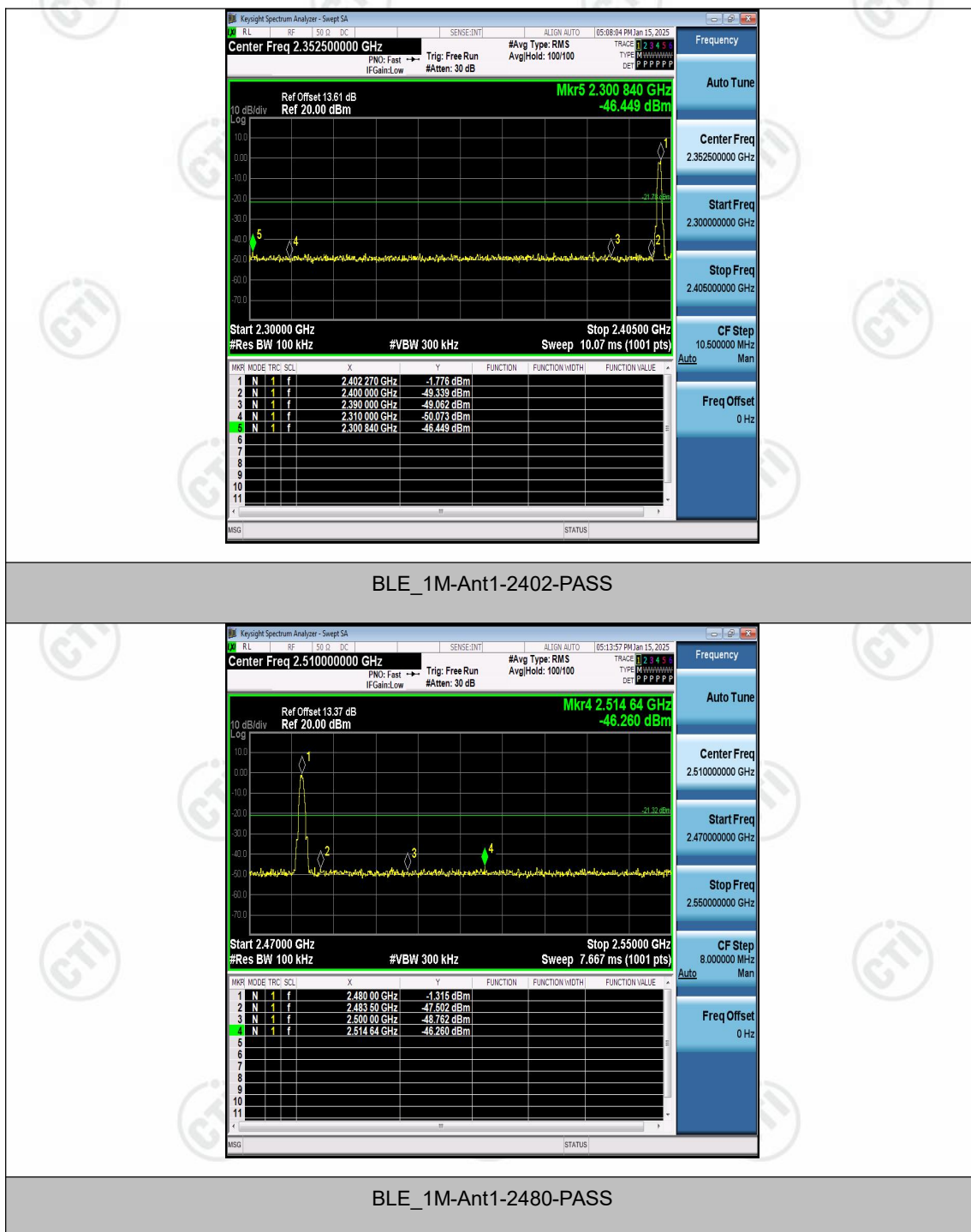


Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.78	-46.45	≤-21.78	PASS
BLE_1M	Ant1	High	2480	-1.32	-46.26	≤-21.32	PASS

Test Graphs

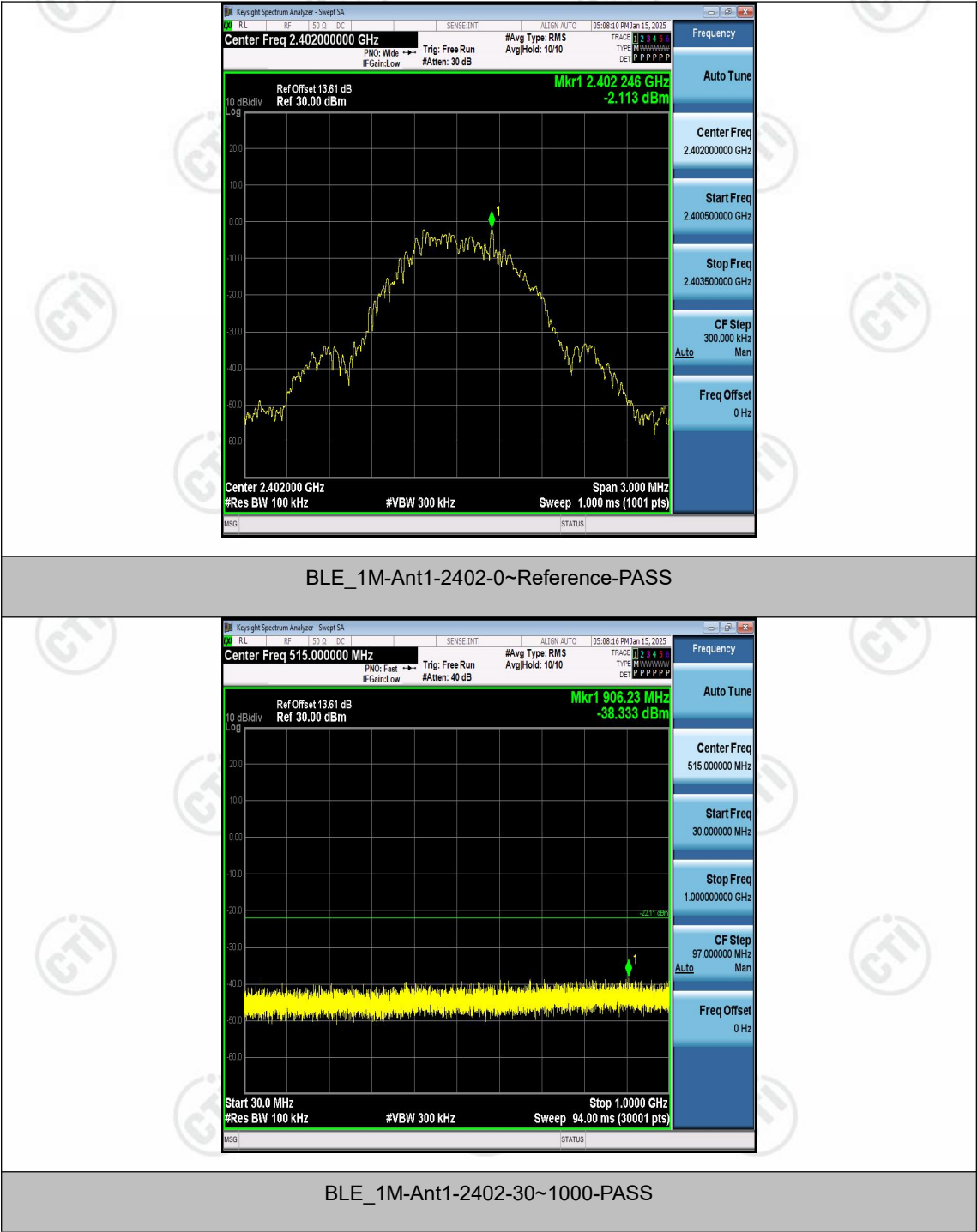


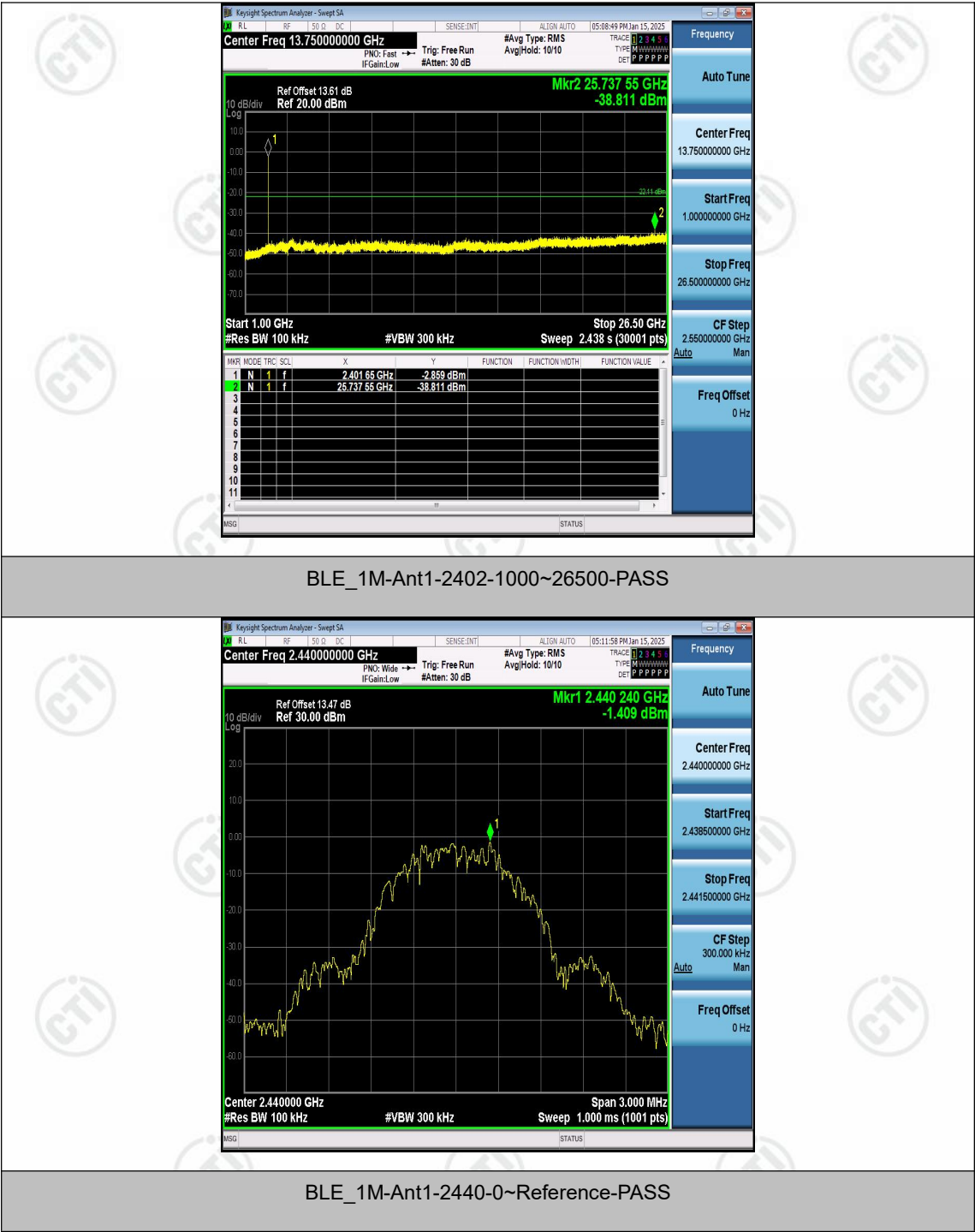
Appendix G: Conducted Spurious Emission

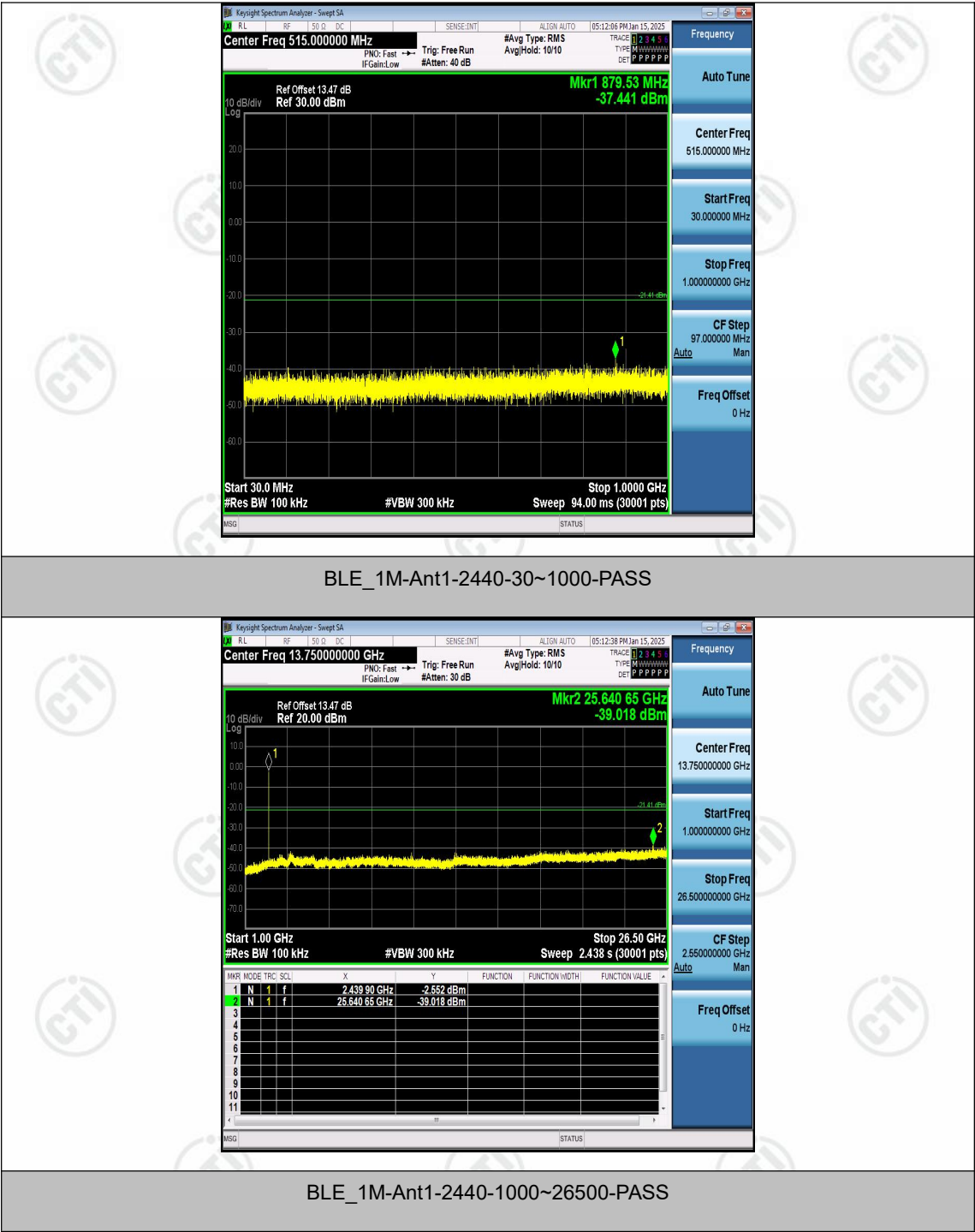
Test Result

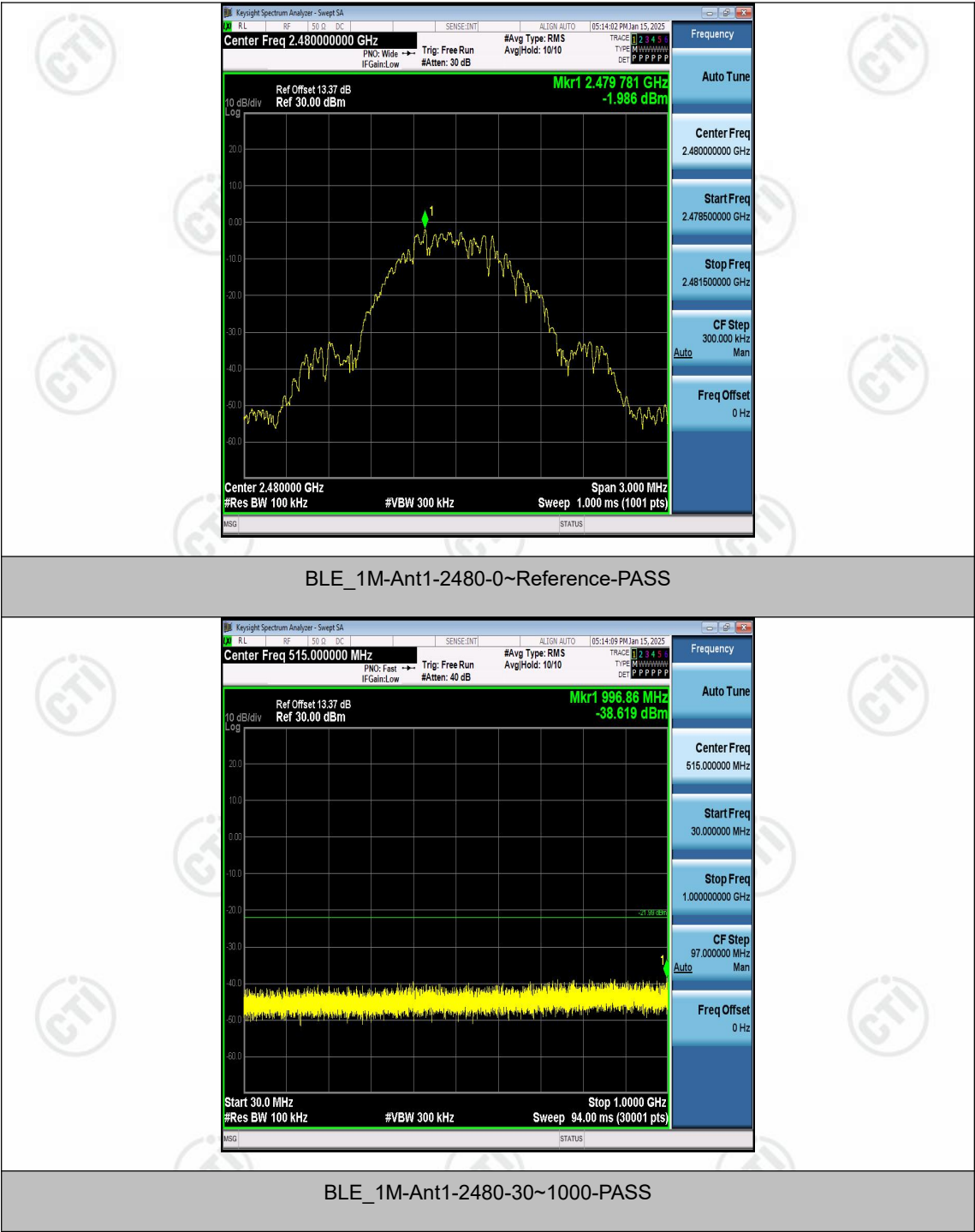
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.11	-2.11	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.11	-38.33	≤-22.11	PASS
BLE_1M	Ant1	2402	1000~265 00	-2.11	-38.81	≤-22.11	PASS
BLE_1M	Ant1	2440	Reference	-1.41	-1.41	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.41	-37.44	≤-21.41	PASS
BLE_1M	Ant1	2440	1000~265 00	-1.41	-39.02	≤-21.41	PASS
BLE_1M	Ant1	2480	Reference	-1.99	-1.99	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.99	-38.62	≤-21.99	PASS
BLE_1M	Ant1	2480	1000~265 00	-1.99	-40.09	≤-21.99	PASS

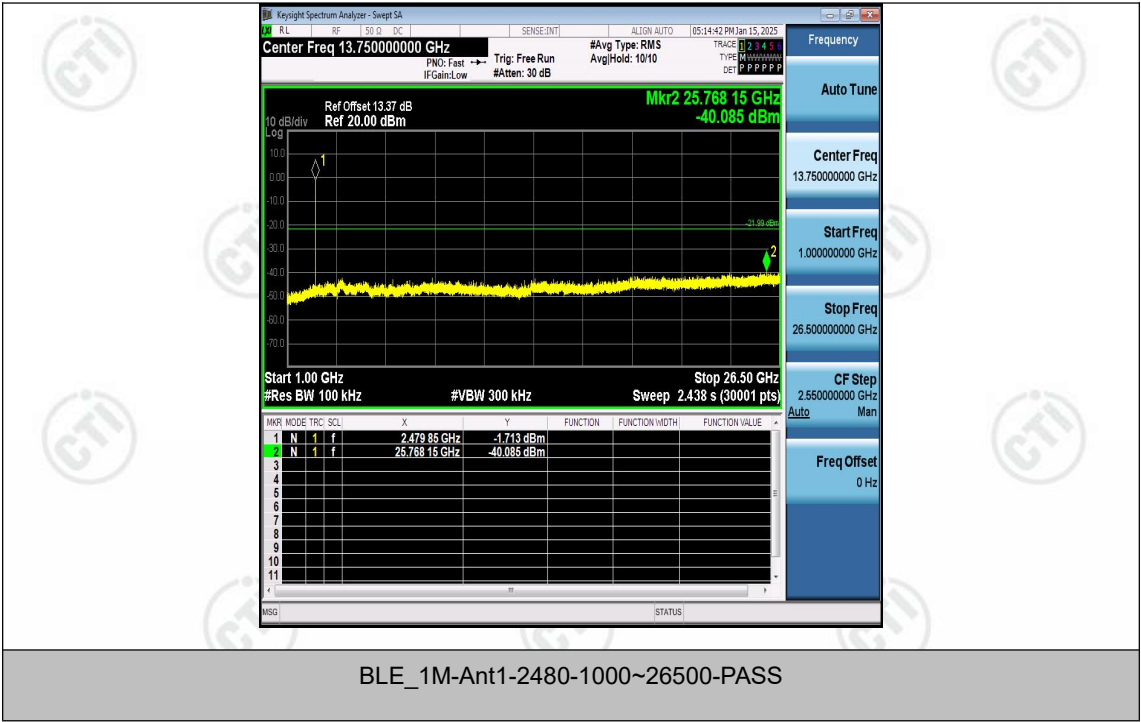
Test Graphs









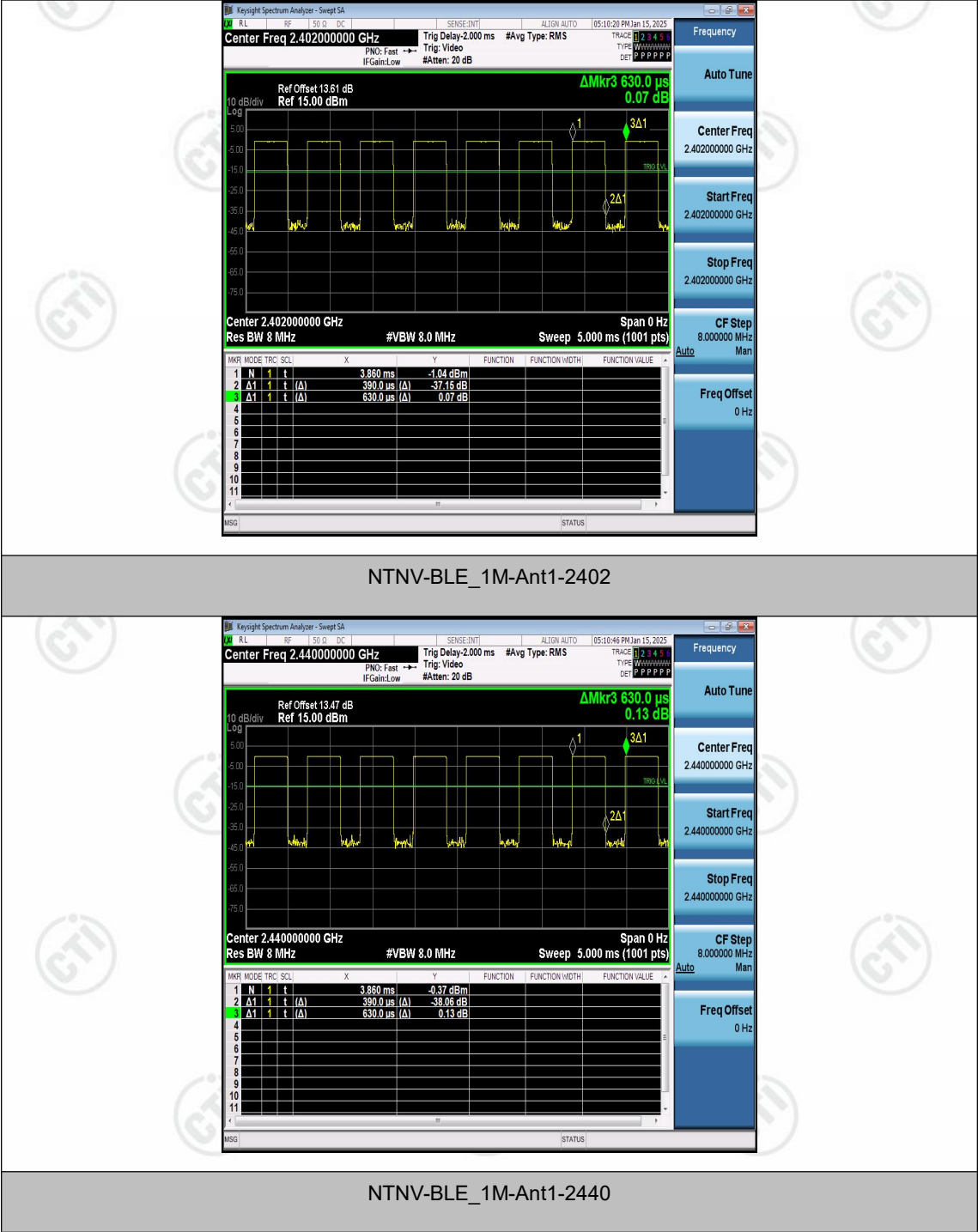


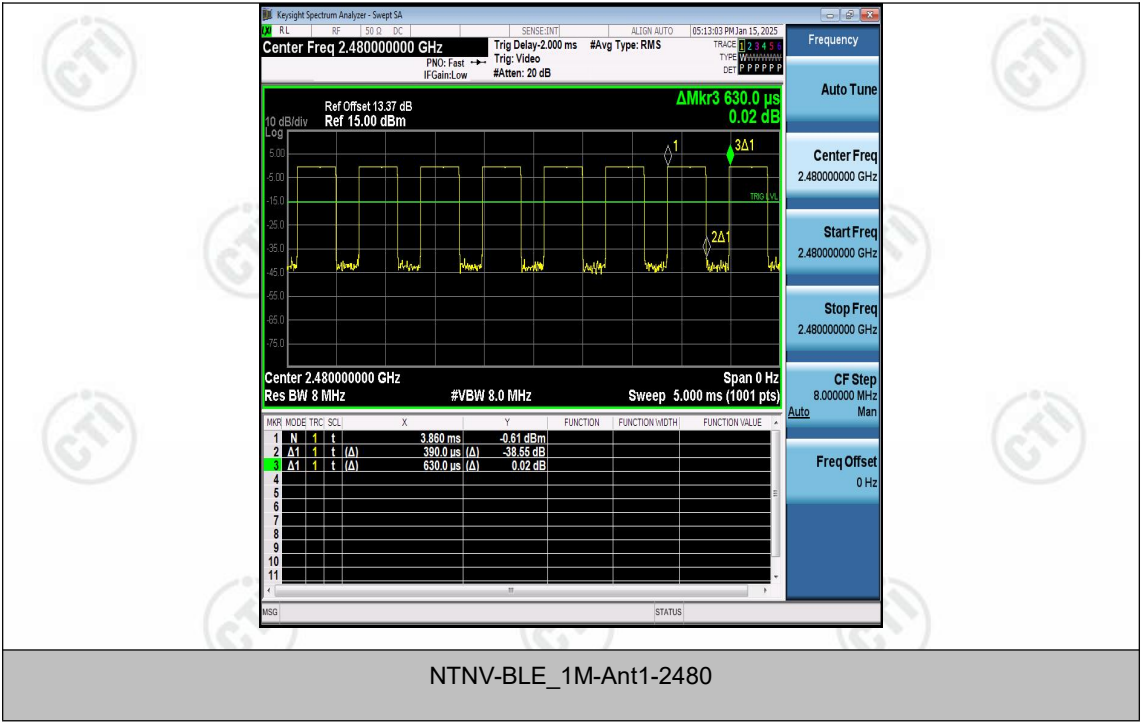
Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08

Test Graphs





*** End of Report ***