

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	0.64	2401.66	2402.30	0.5	PASS
BLE_1M	Ant1	2440	0.64	2439.66	2440.30	0.5	PASS
BLE_1M	Ant1	2480	0.64	2479.66	2480.30	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	1.0162	2401.4793	2402.4955	---	---
BLE_1M	Ant1	2440	1.0160	2439.4787	2440.4947	---	---
BLE_1M	Ant1	2480	1.0128	2479.4783	2480.4911	---	---

Test Graphs



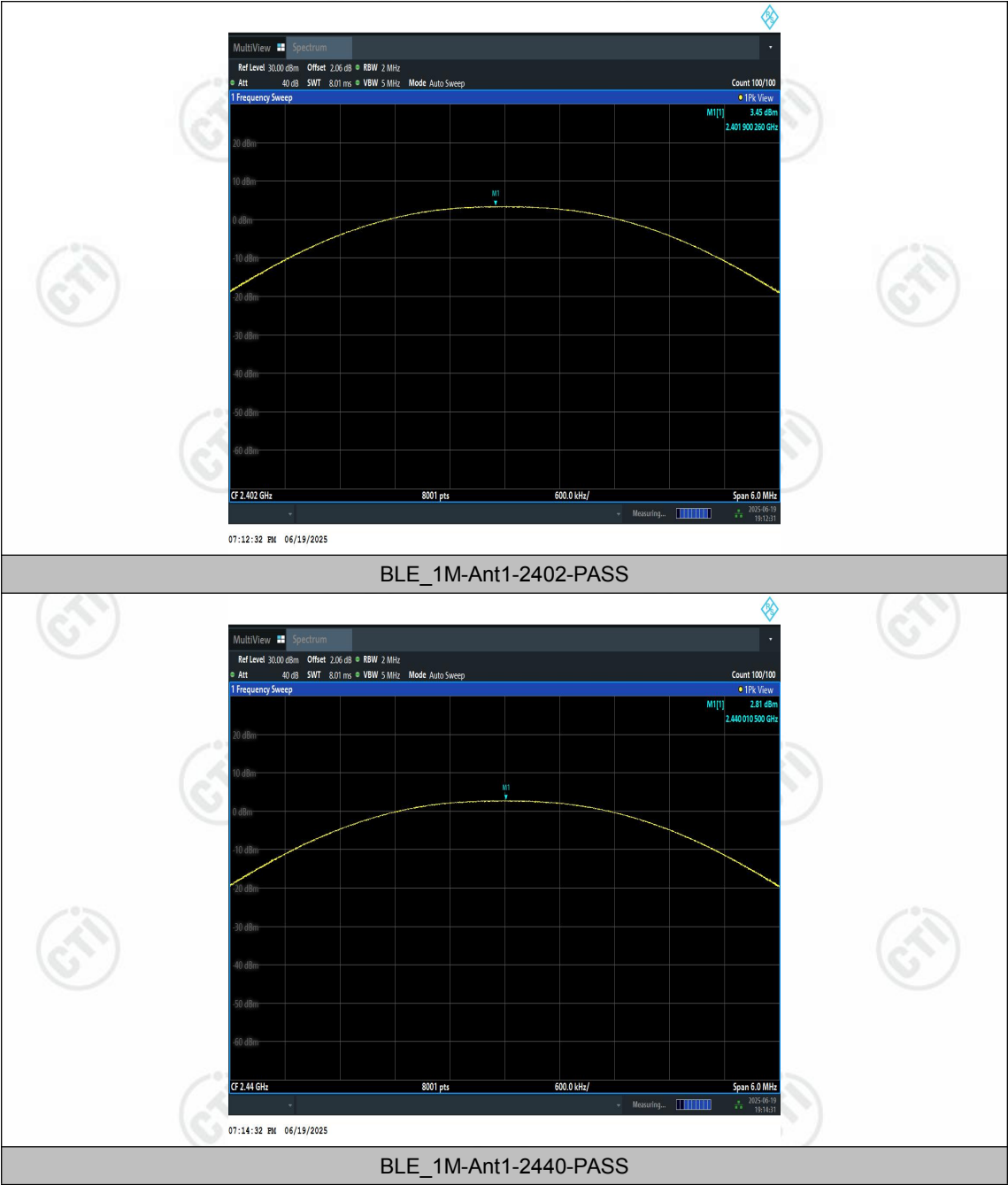


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.45	≤30	6.66	≤36	PASS
BLE_1M	Ant1	2440	2.81	≤30	6.02	≤36	PASS
BLE_1M	Ant1	2480	2.77	≤30	5.98	≤36	PASS

Test Graphs Peak



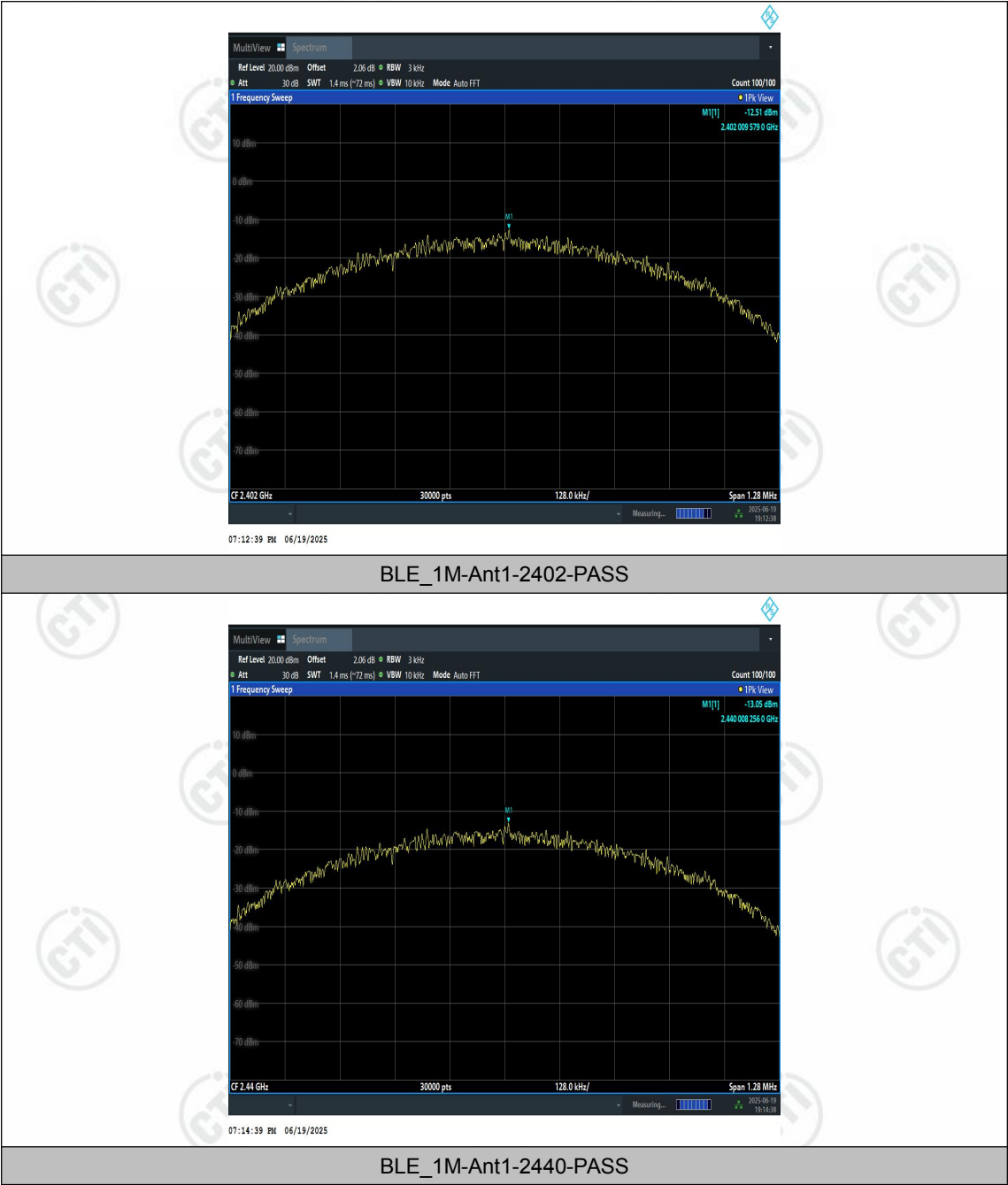


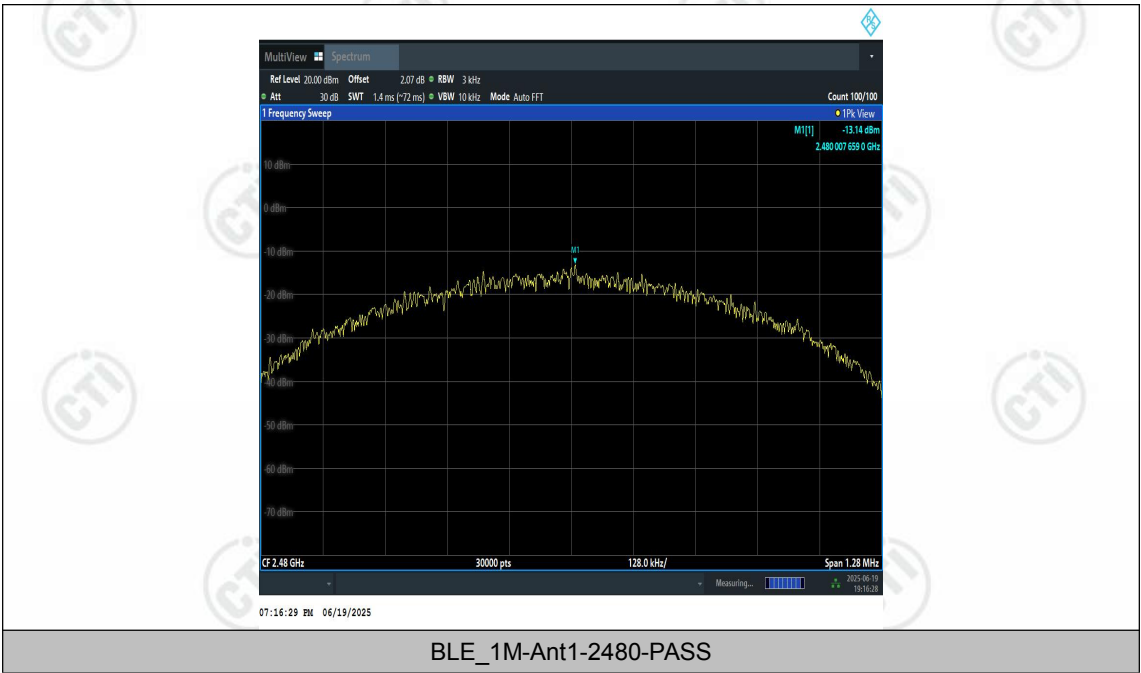
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.51	≤8.00	PASS
BLE_1M	Ant1	2440	-13.05	≤8.00	PASS
BLE_1M	Ant1	2480	-13.14	≤8.00	PASS

Test Graphs



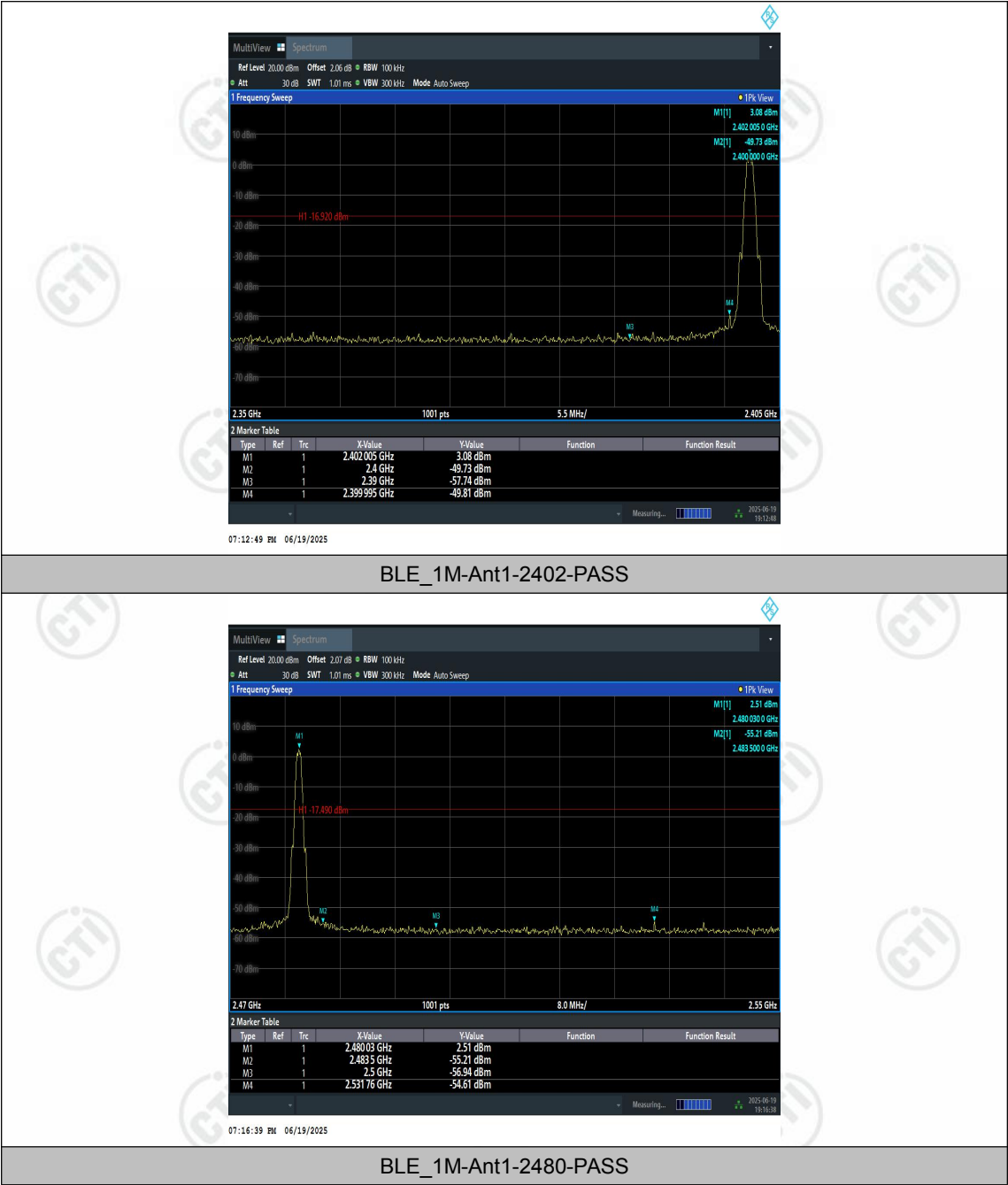


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.08	-49.81	≤-16.92	PASS
BLE_1M	Ant1	High	2480	2.51	-54.61	≤-17.49	PASS

Test Graphs

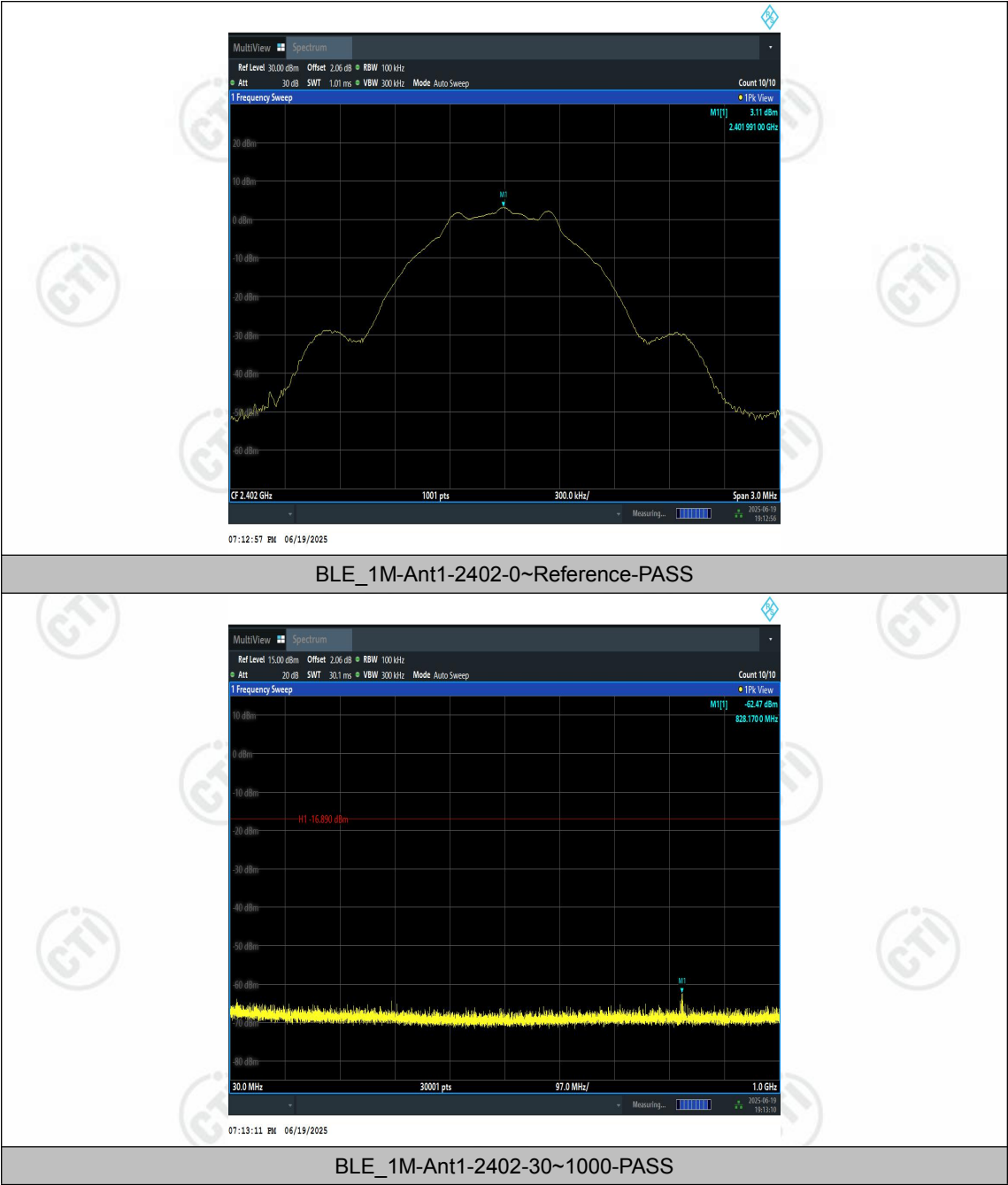


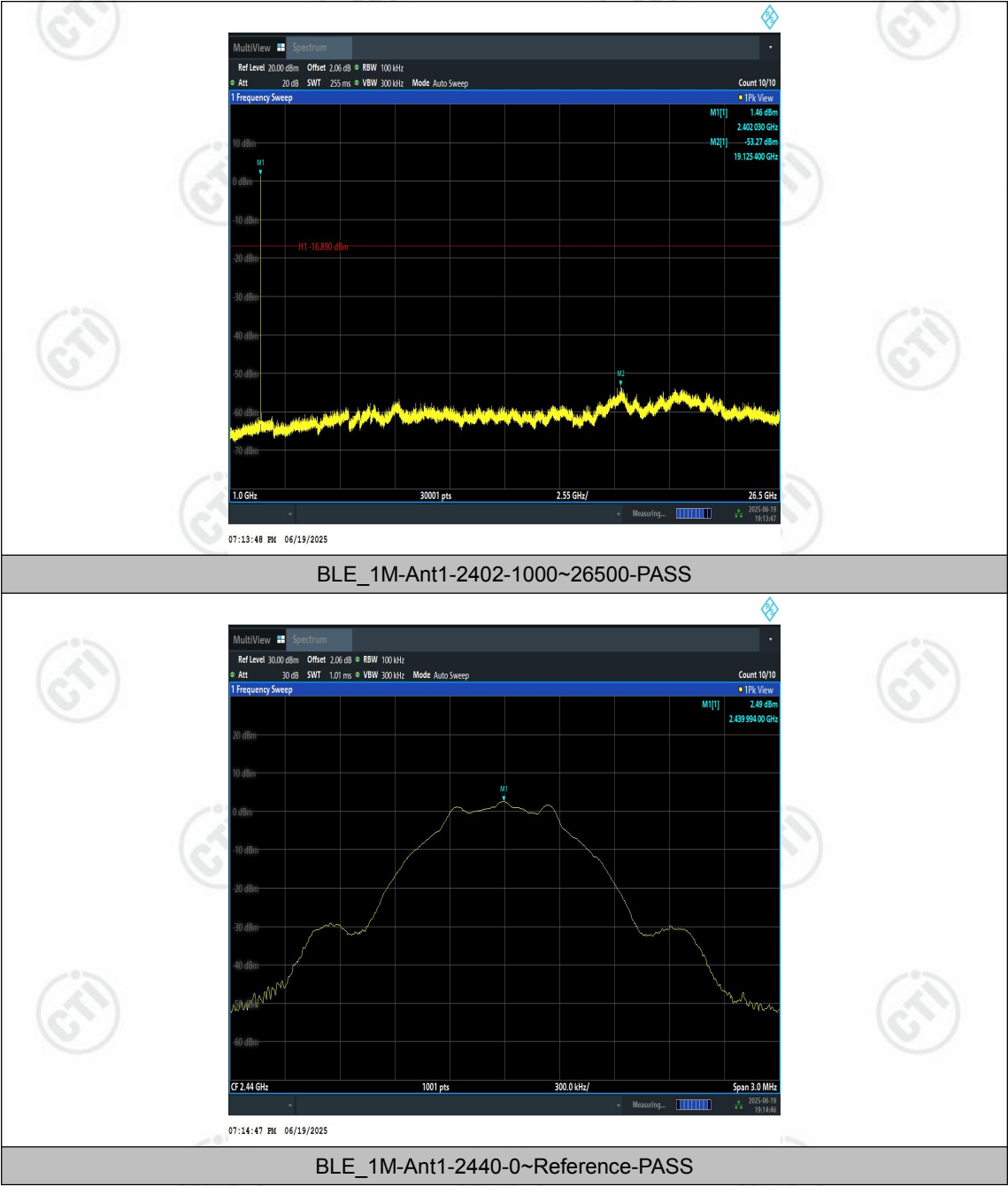
Appendix F: Conducted Spurious Emission

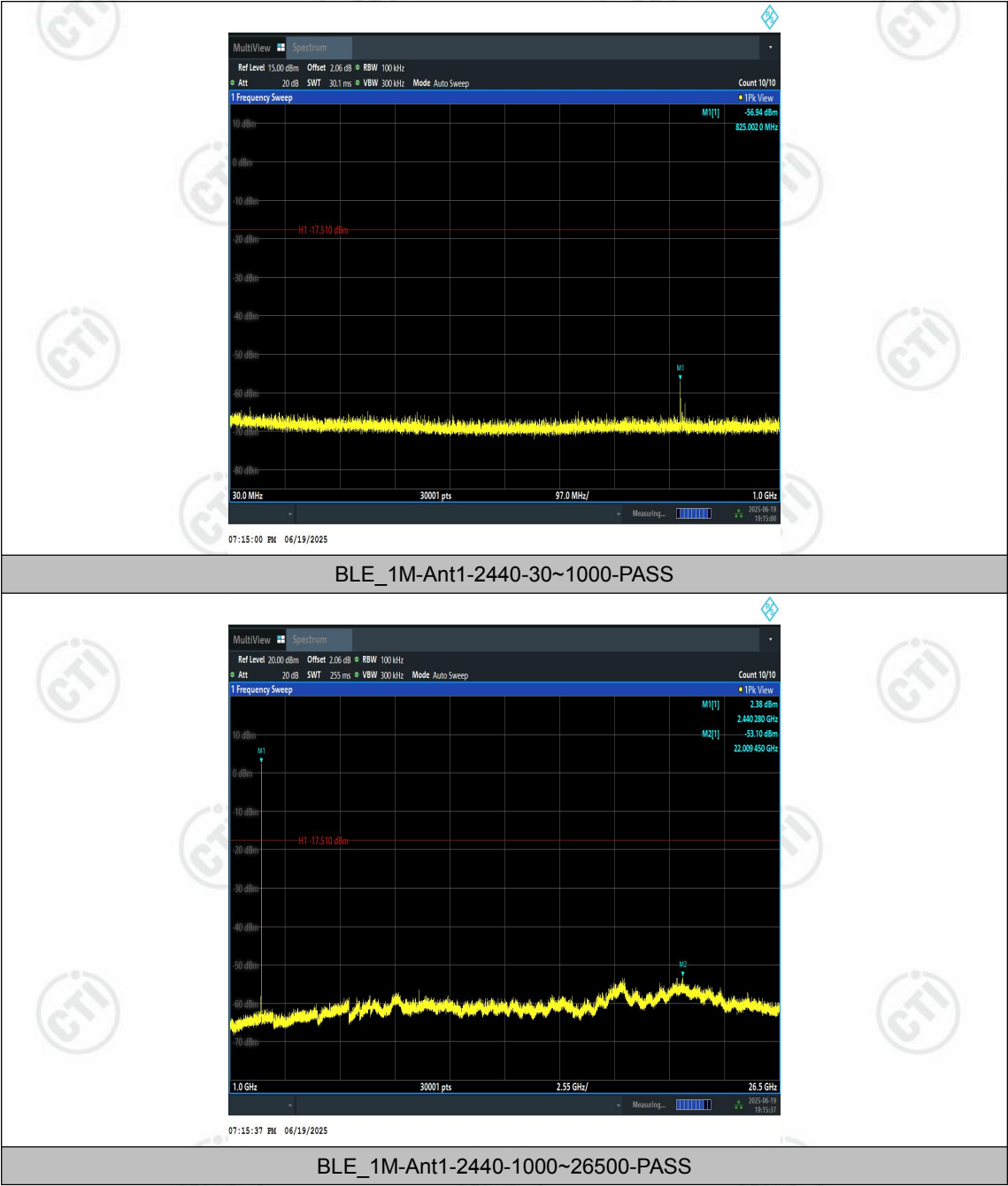
Test Result

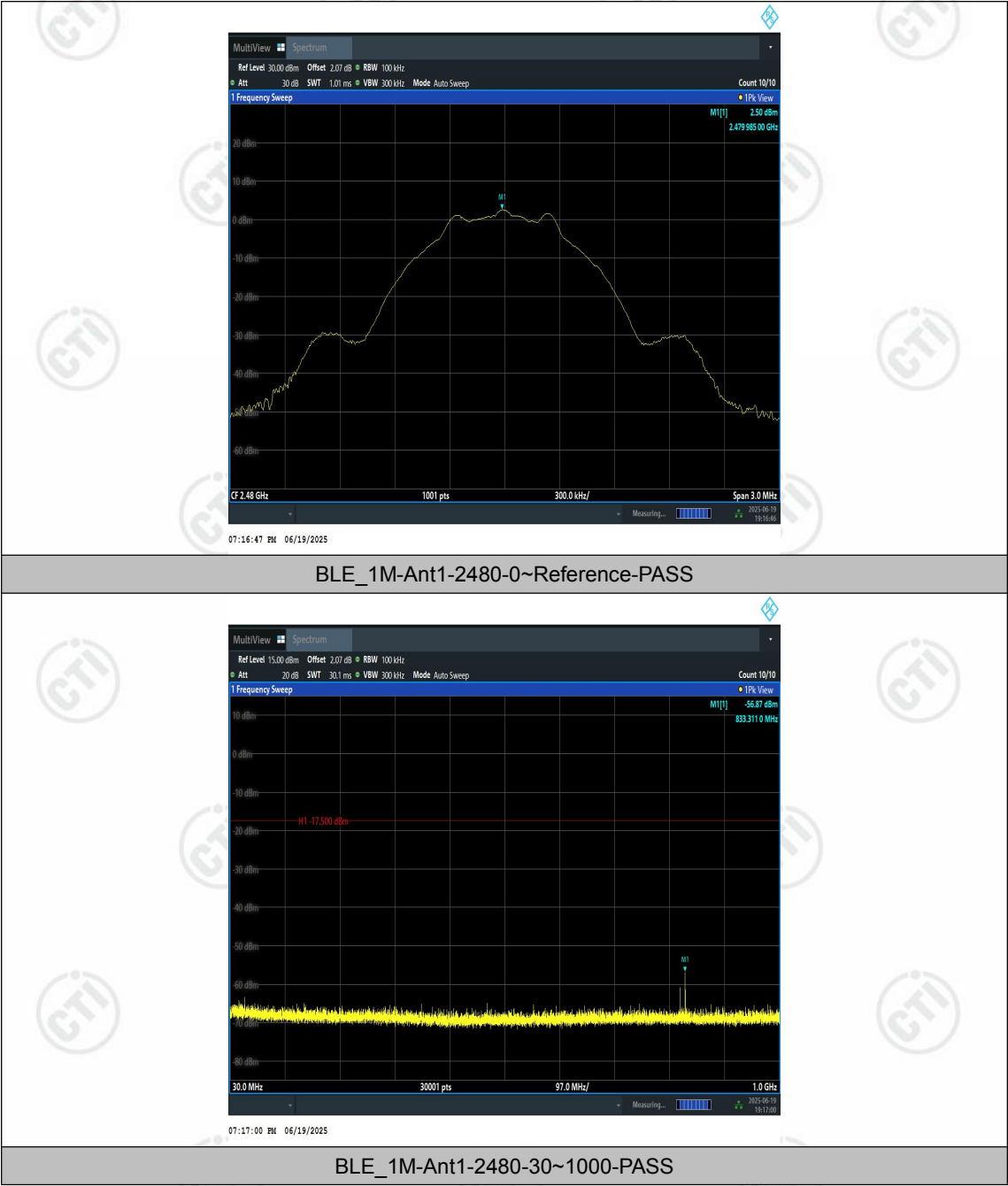
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.11	3.11	---	PASS
BLE_1M	Ant1	2402	30~1000	3.11	-62.47	≤-16.89	PASS
BLE_1M	Ant1	2402	1000~26500	3.11	-53.27	≤-16.89	PASS
BLE_1M	Ant1	2440	0~Reference	2.49	2.49	---	PASS
BLE_1M	Ant1	2440	30~1000	2.49	-56.94	≤-17.51	PASS
BLE_1M	Ant1	2440	1000~26500	2.49	-53.1	≤-17.51	PASS
BLE_1M	Ant1	2480	0~Reference	2.50	2.50	---	PASS
BLE_1M	Ant1	2480	30~1000	2.50	-56.87	≤-17.5	PASS
BLE_1M	Ant1	2480	1000~26500	2.50	-52.82	≤-17.5	PASS

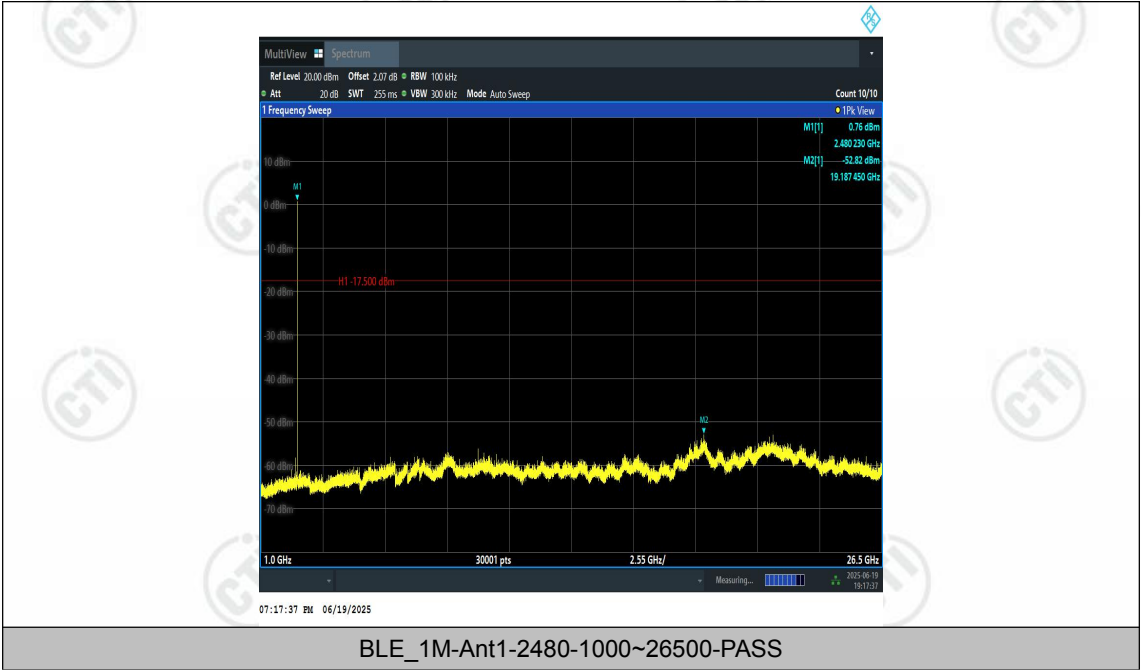
Test Graphs











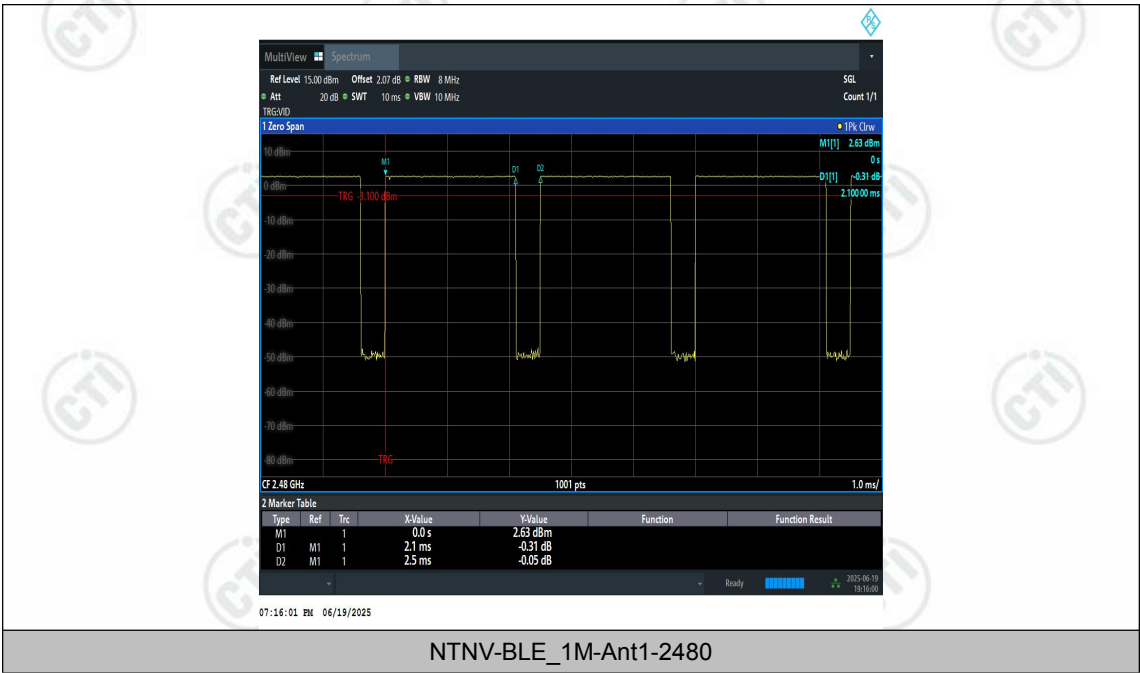
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.51	83.67	0.77
BLE_1M	Ant1	2440	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2480	2.10	2.50	84.00	0.76

Test Graphs





*** End of Report ***