

Appendix: Bluetooth LE for AP6256

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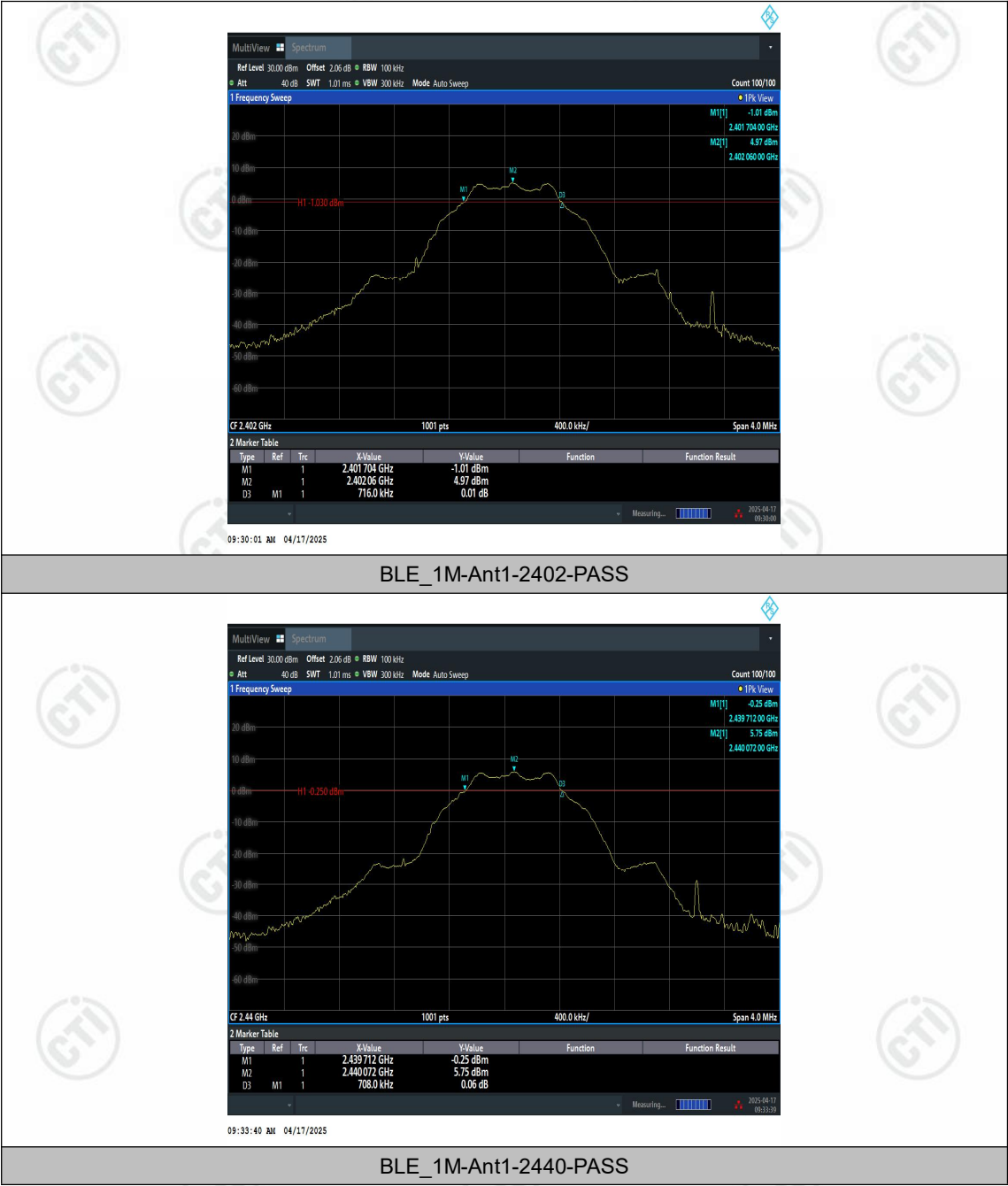
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.72	2401.70	2402.42	0.5	PASS
BLE_1M	Ant1	2440	0.71	2439.71	2440.42	0.5	PASS
BLE_1M	Ant1	2480	0.71	2479.72	2480.43	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	1.062	2401.5418	2402.6033	---	---
BLE_1M	Ant1	2440	1.067	2439.5423	2440.6097	---	---
BLE_1M	Ant1	2480	1.063	2479.5537	2480.6167	---	---

Test Graphs

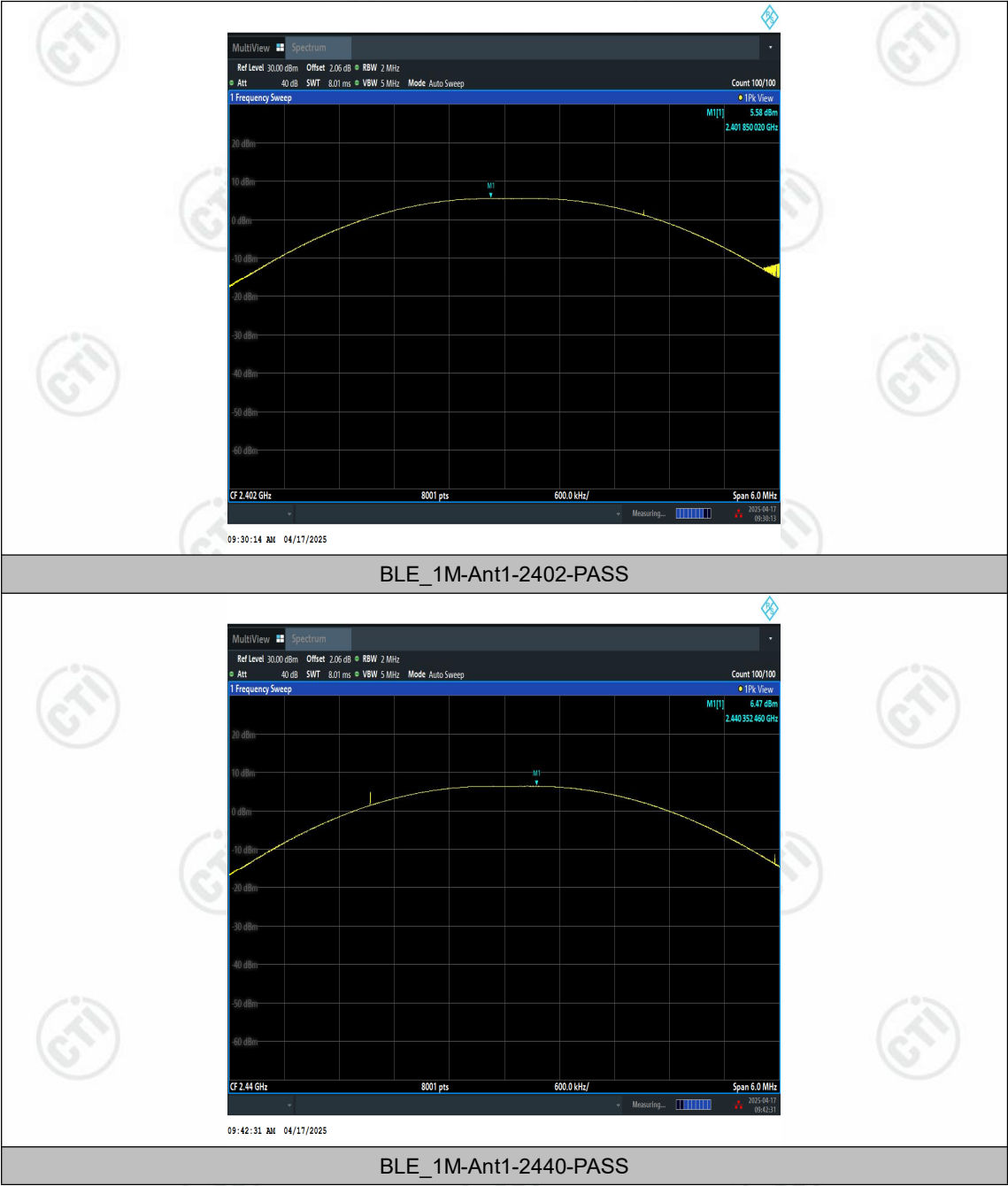




Appendix C: Maximum conducted output power**Test Result Peak**

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.58	≤30	PASS
BLE_1M	Ant1	2440	6.47	≤30	PASS
BLE_1M	Ant1	2480	5.09	≤30	PASS

Test Graphs Peak



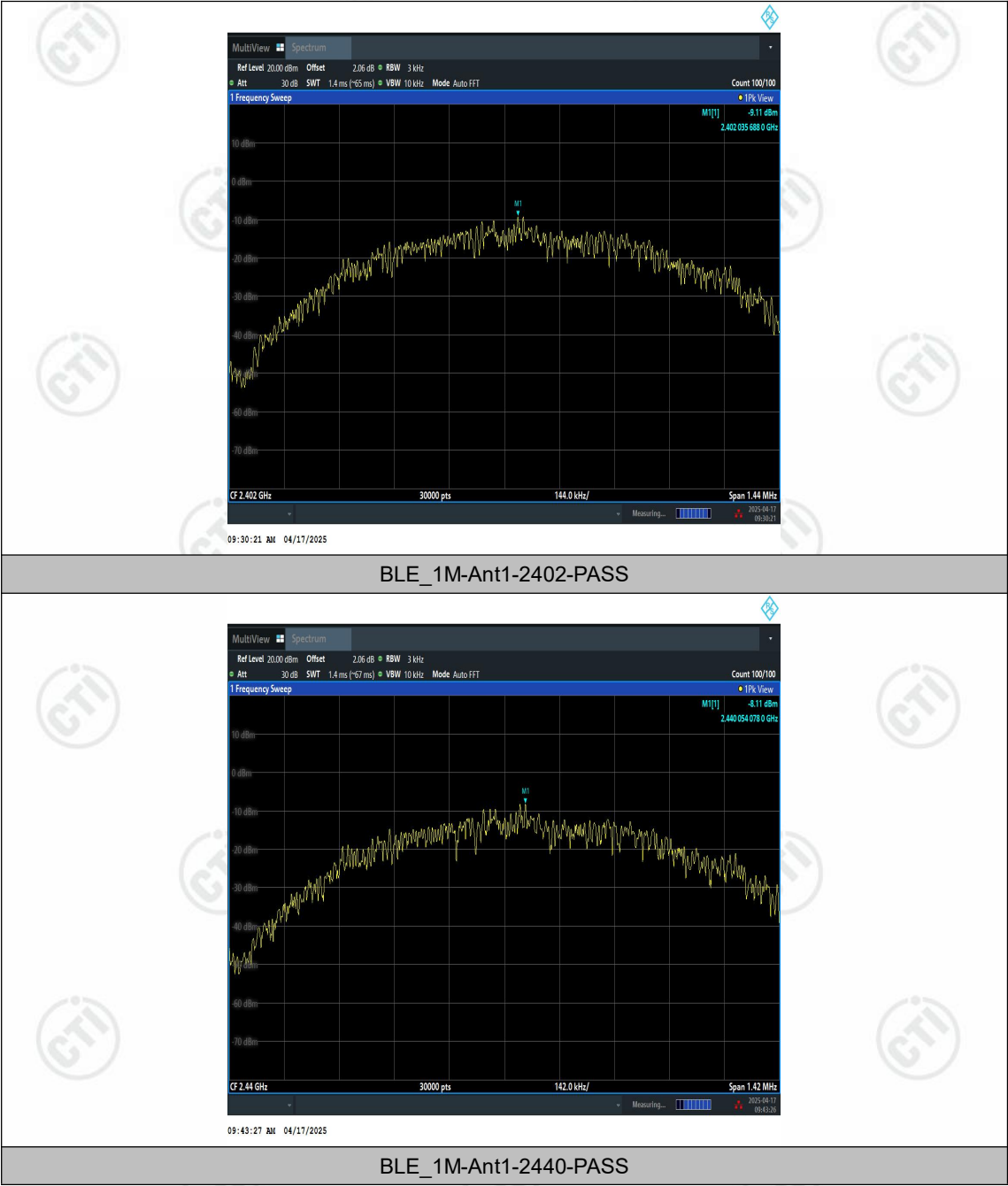


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.11	≤8.00	PASS
BLE_1M	Ant1	2440	-8.11	≤8.00	PASS
BLE_1M	Ant1	2480	-9.49	≤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	4.80	-51.08	≤-15.2	PASS
BLE_1M	Ant1	High	2480	4.29	-55.77	≤-15.71	PASS

Test Graphs

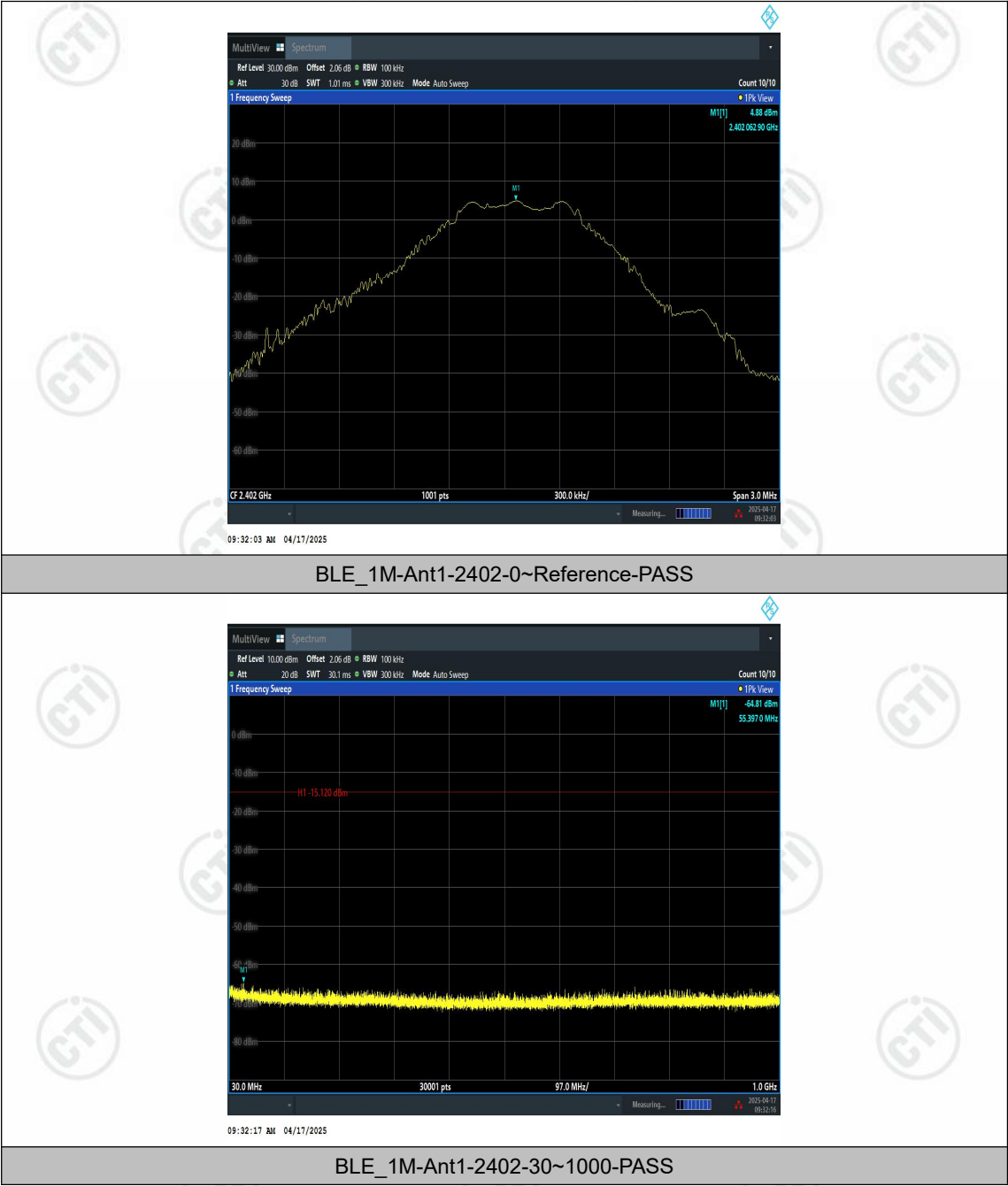


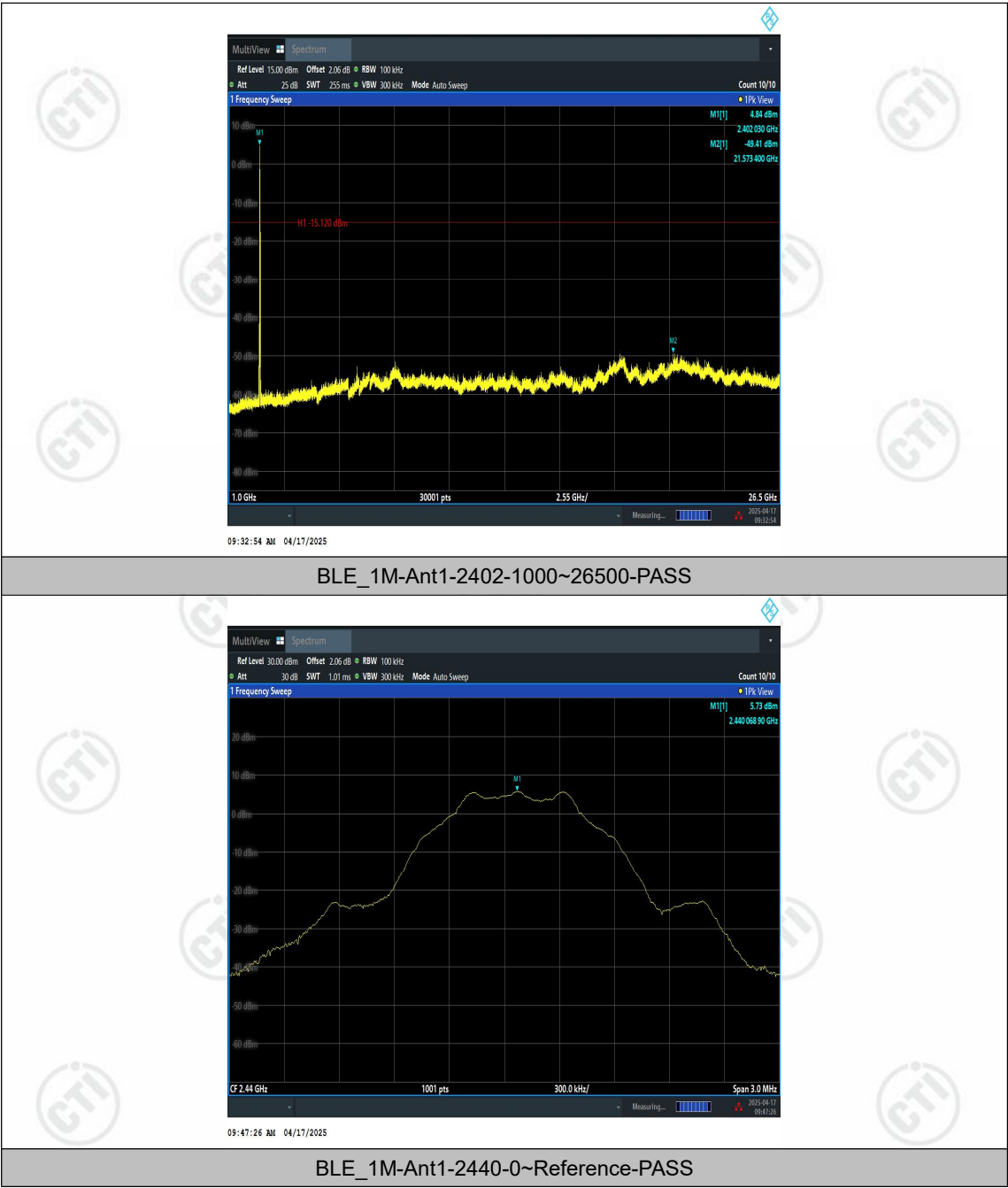
Appendix F: Conducted Spurious Emission

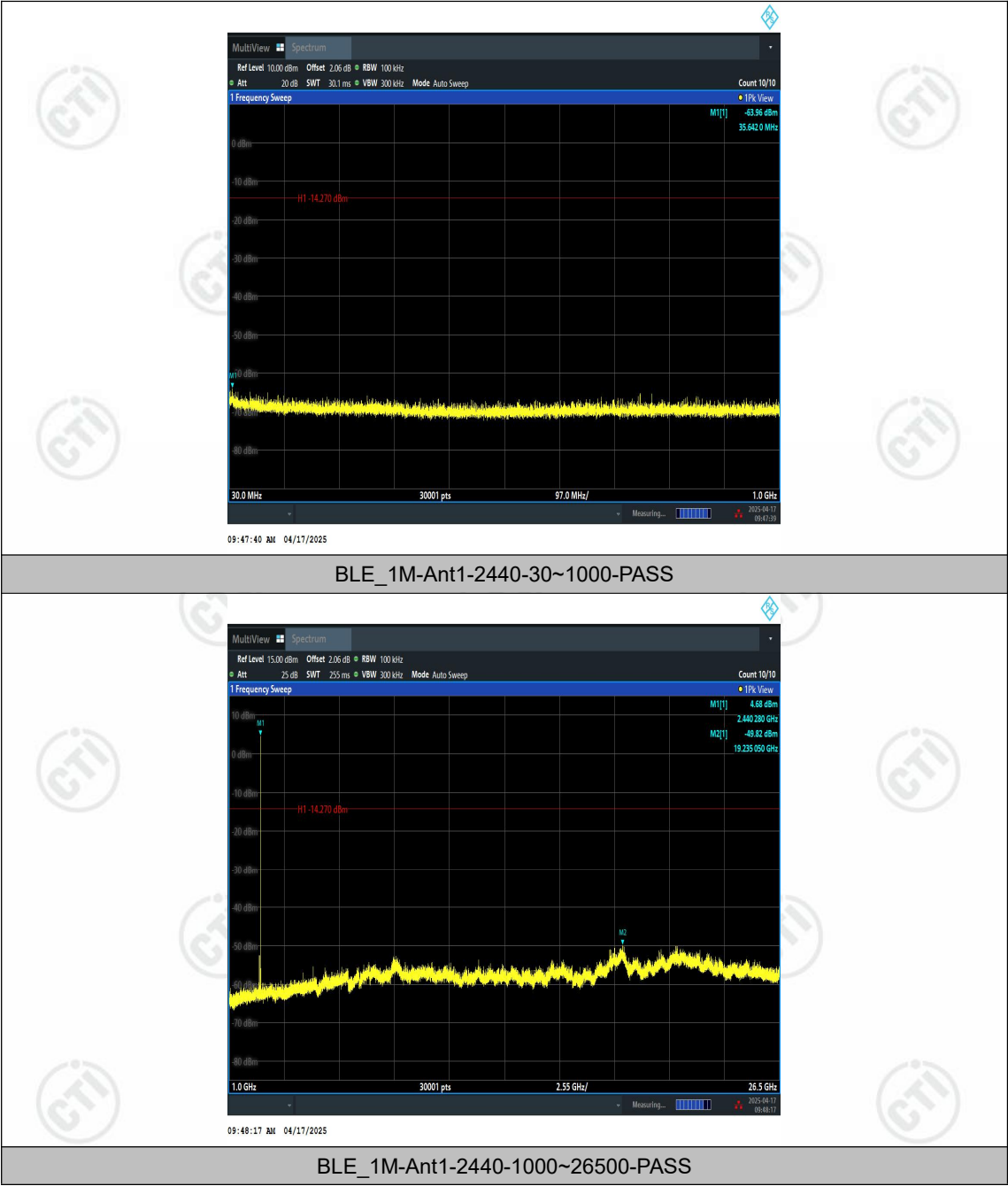
Test Result

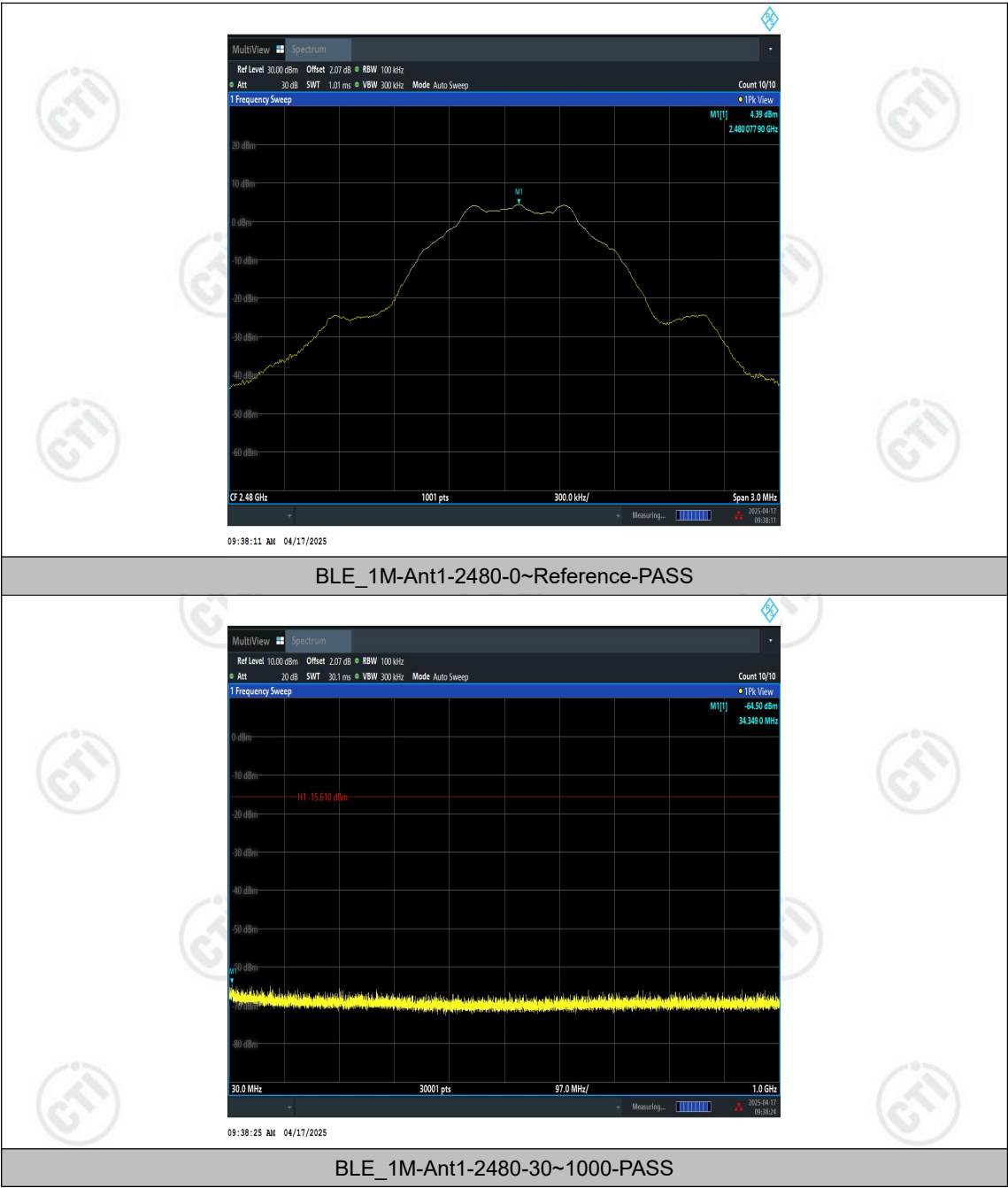
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	4.88	4.88	---	PASS
BLE_1M	Ant1	2402	30~1000	4.88	-64.81	≤-15.12	PASS
BLE_1M	Ant1	2402	1000~26500	4.88	-49.41	≤-15.12	PASS
BLE_1M	Ant1	2440	0~Reference	5.73	5.73	---	PASS
BLE_1M	Ant1	2440	30~1000	5.73	-63.96	≤-14.27	PASS
BLE_1M	Ant1	2440	1000~26500	5.73	-49.82	≤-14.27	PASS
BLE_1M	Ant1	2480	0~Reference	4.39	4.39	---	PASS
BLE_1M	Ant1	2480	30~1000	4.39	-64.5	≤-15.61	PASS
BLE_1M	Ant1	2480	1000~26500	4.39	-49.26	≤-15.61	PASS

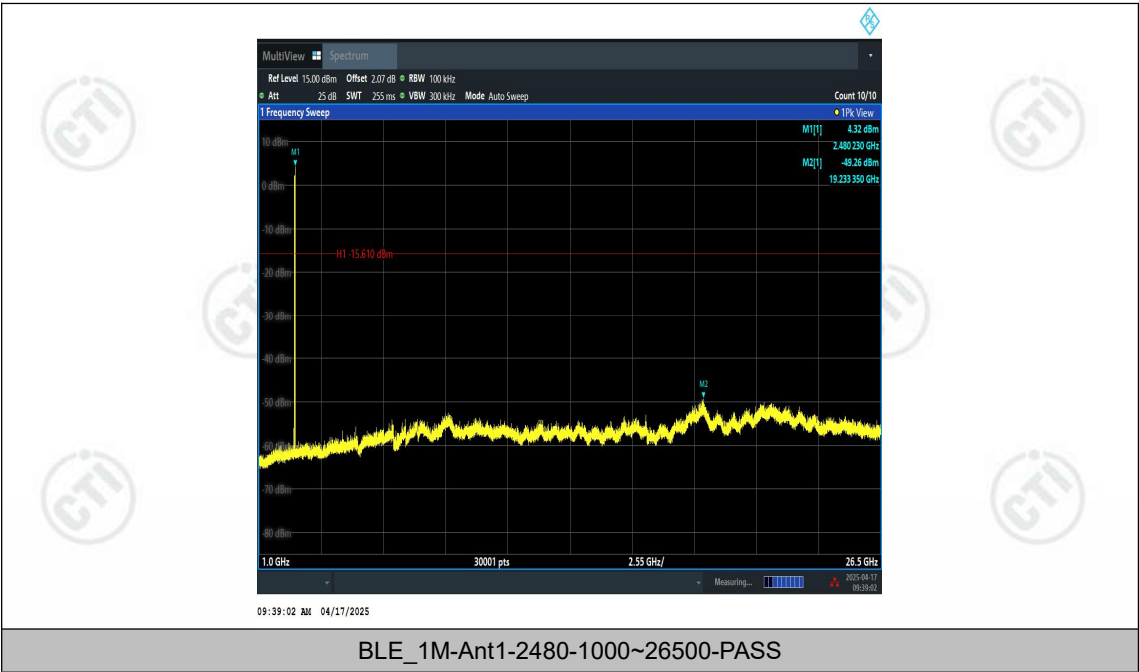
Test Graphs











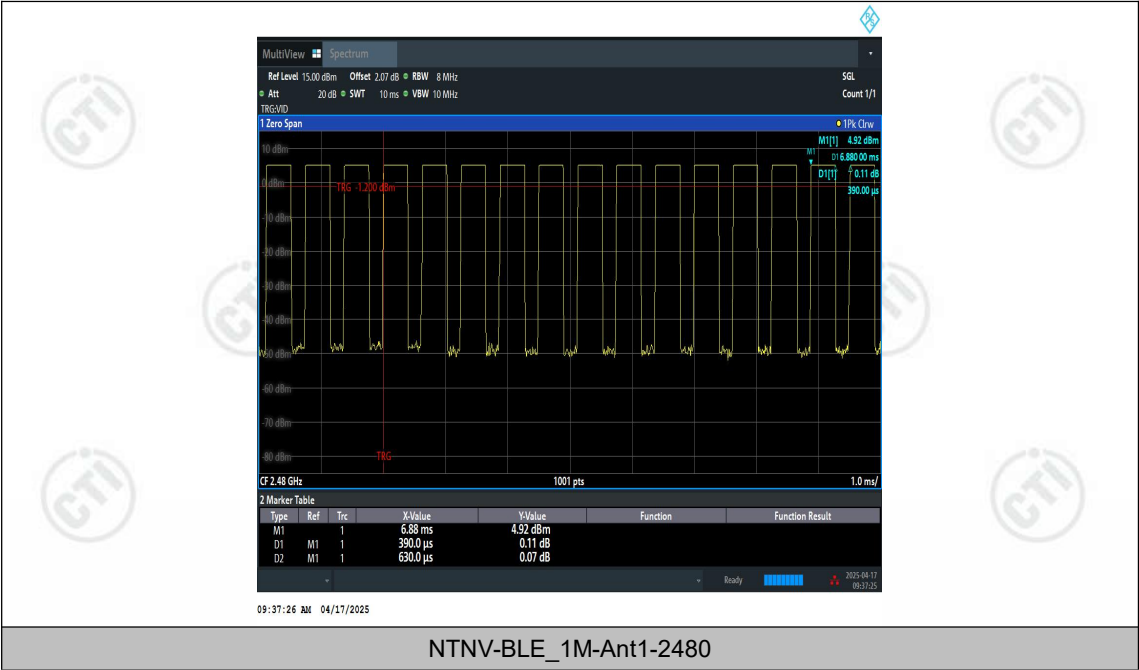
Appendix G: Duty Cycle

Test Result

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