

Appendix: Bluetooth LE

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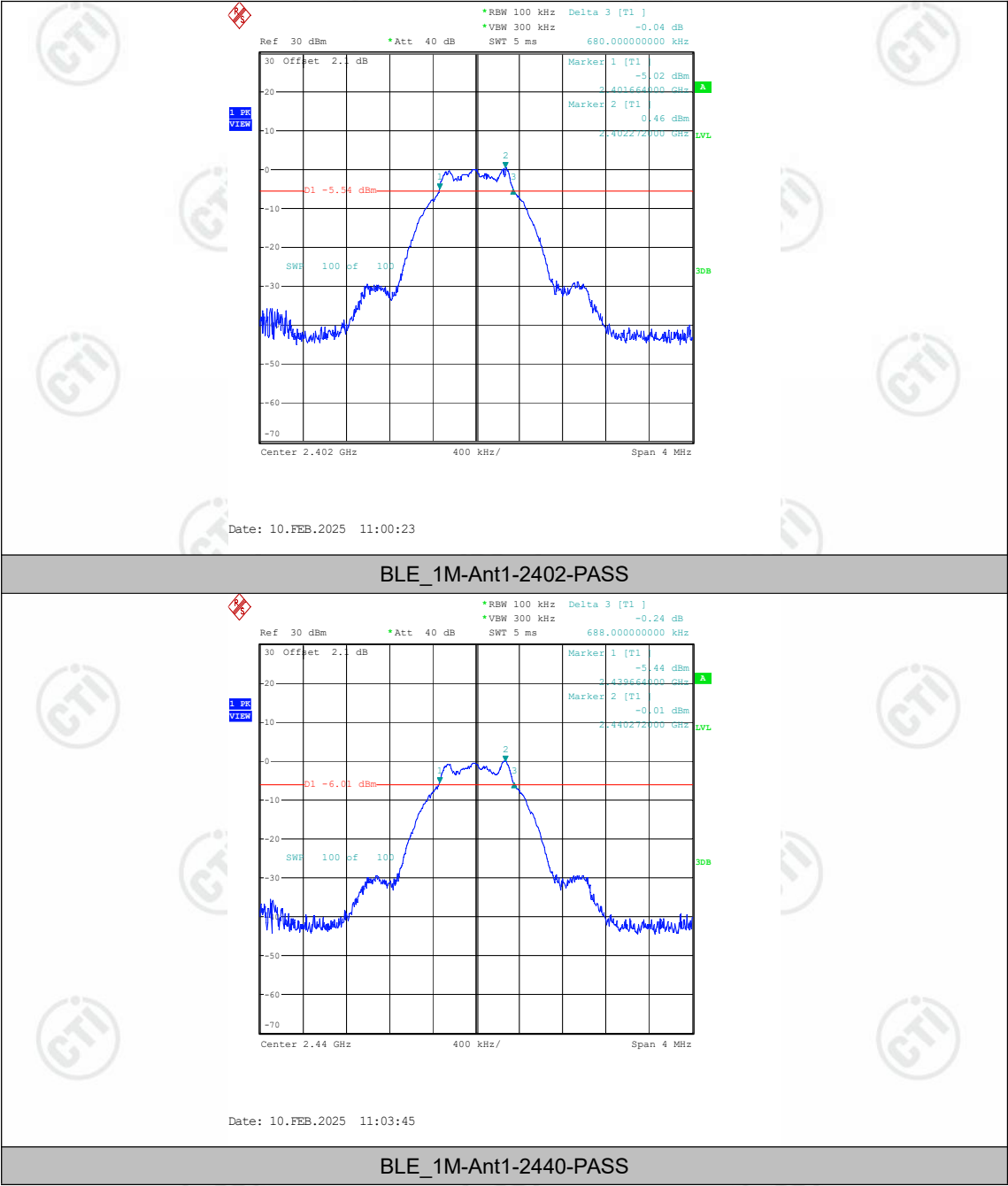
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.66	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.69	2439.66	2440.35	0.5	PASS
BLE_1M	Ant1	2480	0.72	2479.64	2480.36	0.5	PASS

Test Graphs



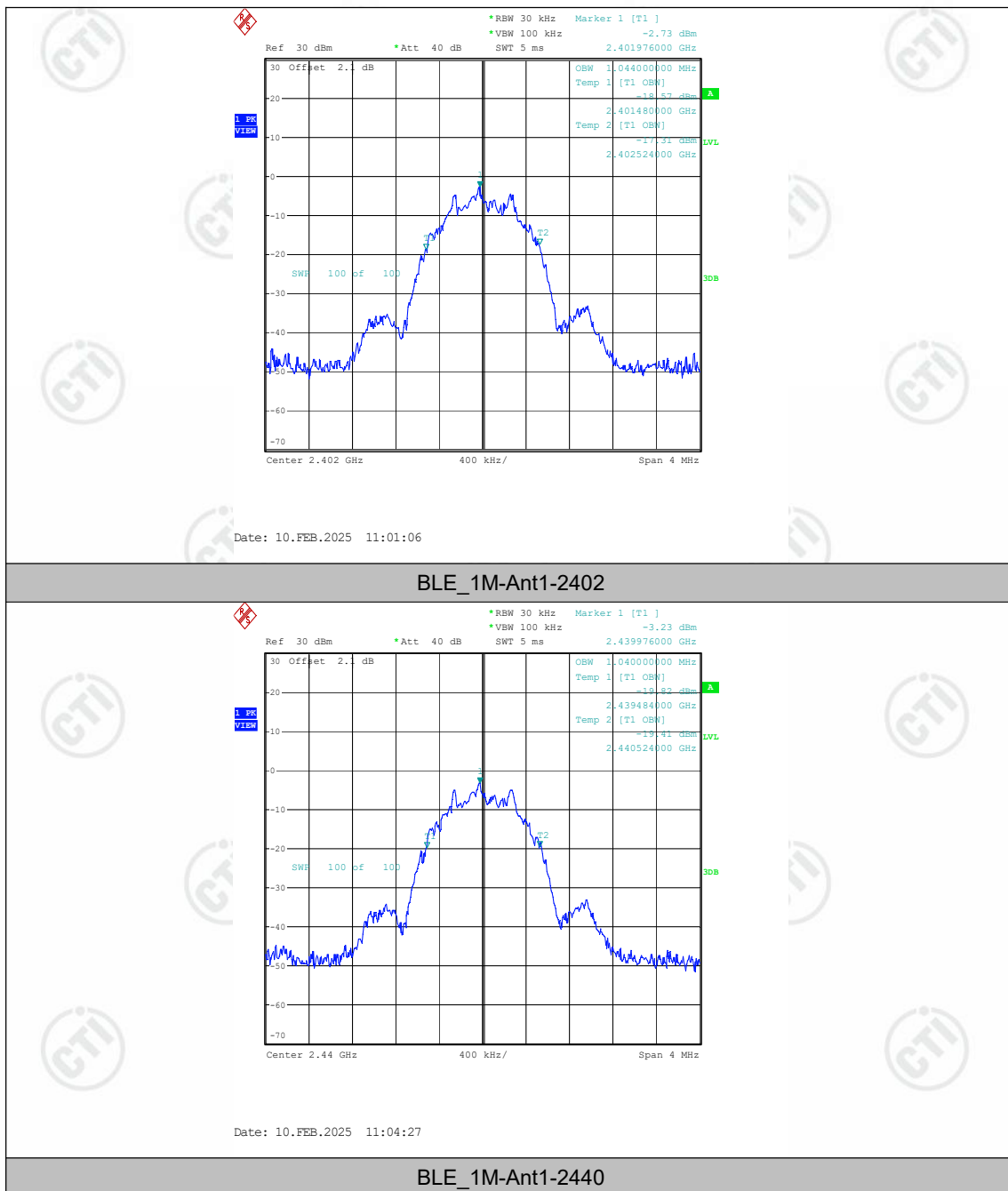


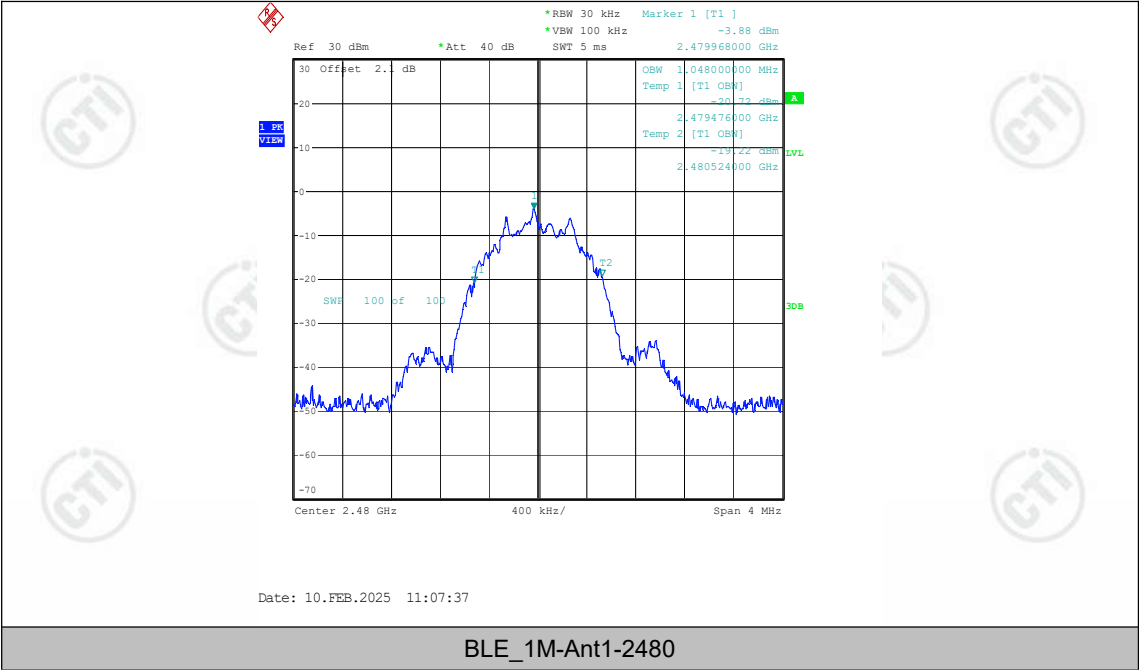
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.044	2401.480	24025.24	---	---
BLE_1M	Ant1	2440	1.040	2439.484	2440.524	---	---
BLE_1M	Ant1	2480	1.048	2479.476	2480.524	---	---

Test Graphs

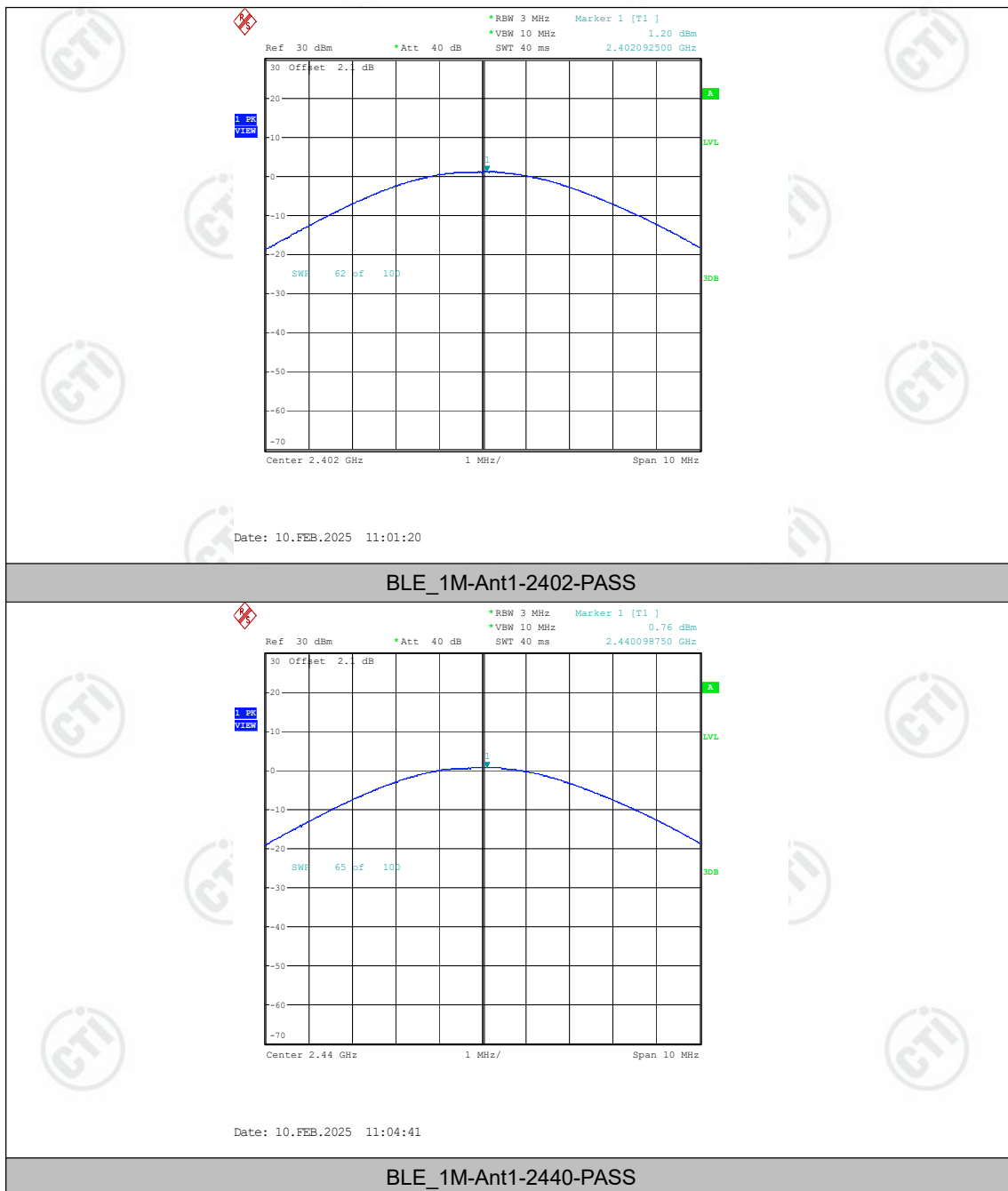


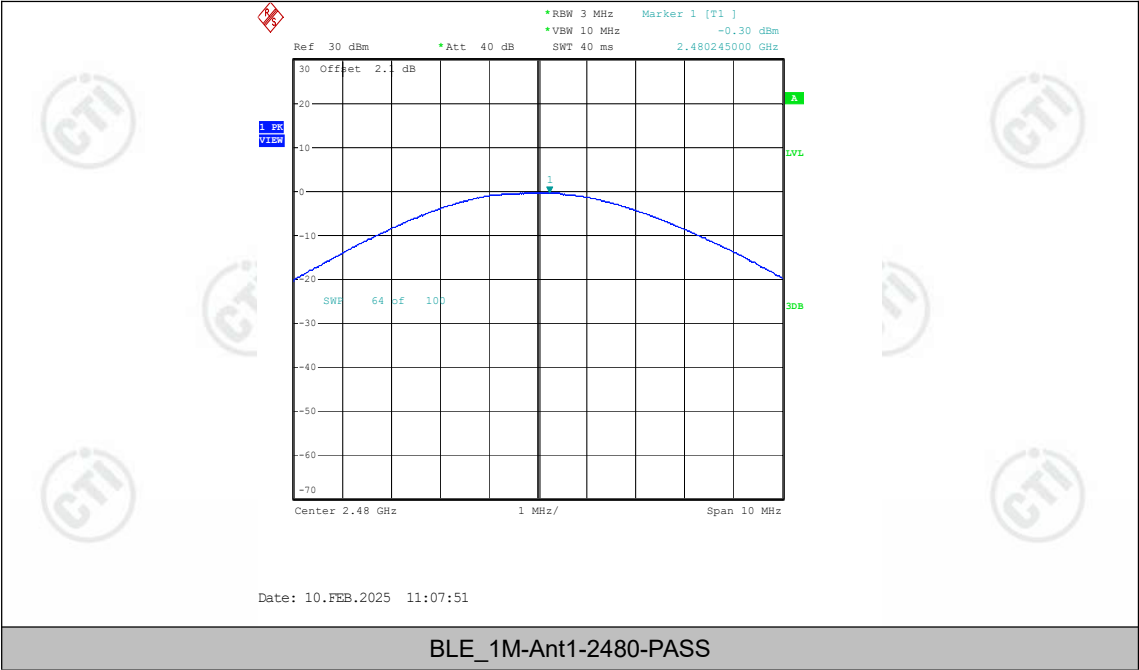


Appendix C: Maximum conducted output power**Test Result**

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.20	≤30	-0.18	≤36	PASS
BLE_1M	Ant1	2440	0.76	≤30	-0.62	≤36	PASS
BLE_1M	Ant1	2480	-0.30	≤30	-1.68	≤36	PASS

Test Graphs



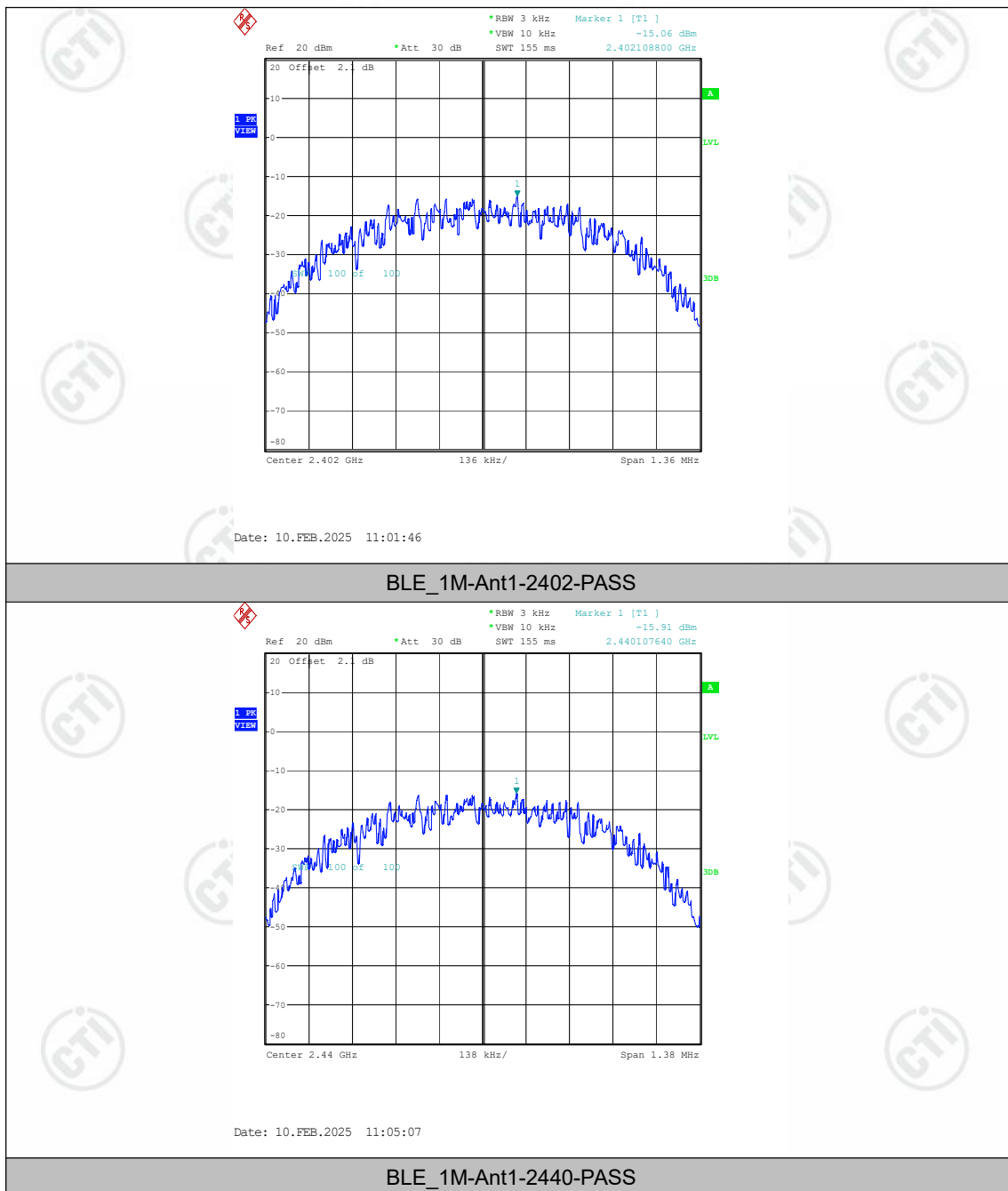


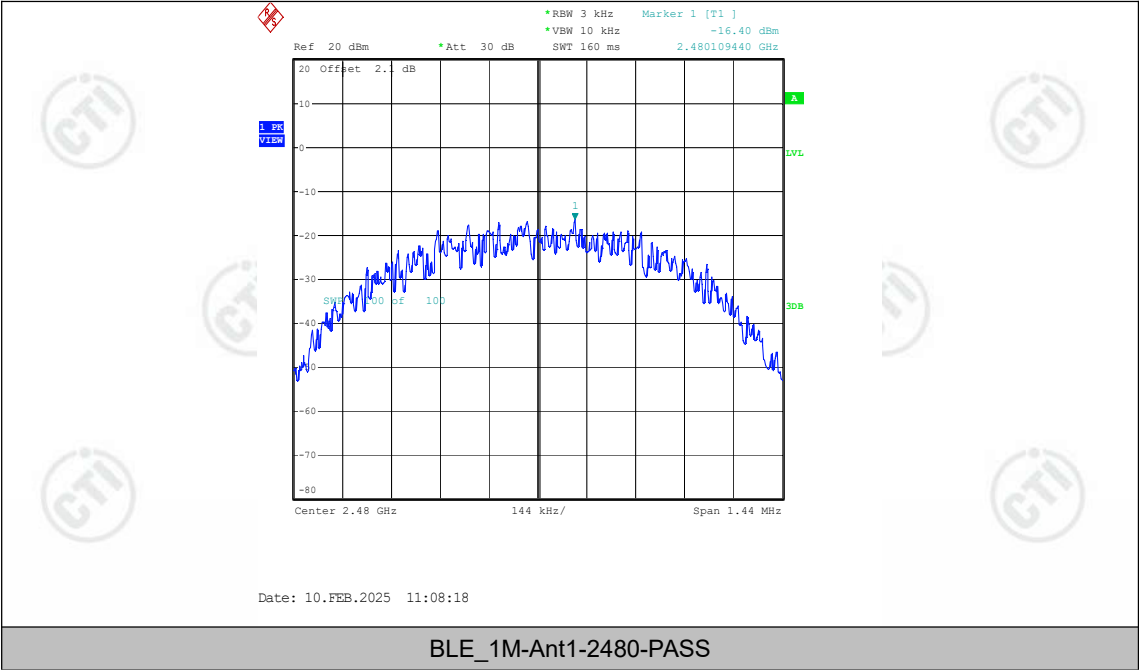
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.06	≤8.00	PASS
BLE_1M	Ant1	2440	-15.91	≤8.00	PASS
BLE_1M	Ant1	2480	-16.40	≤8.00	PASS

Test Graphs



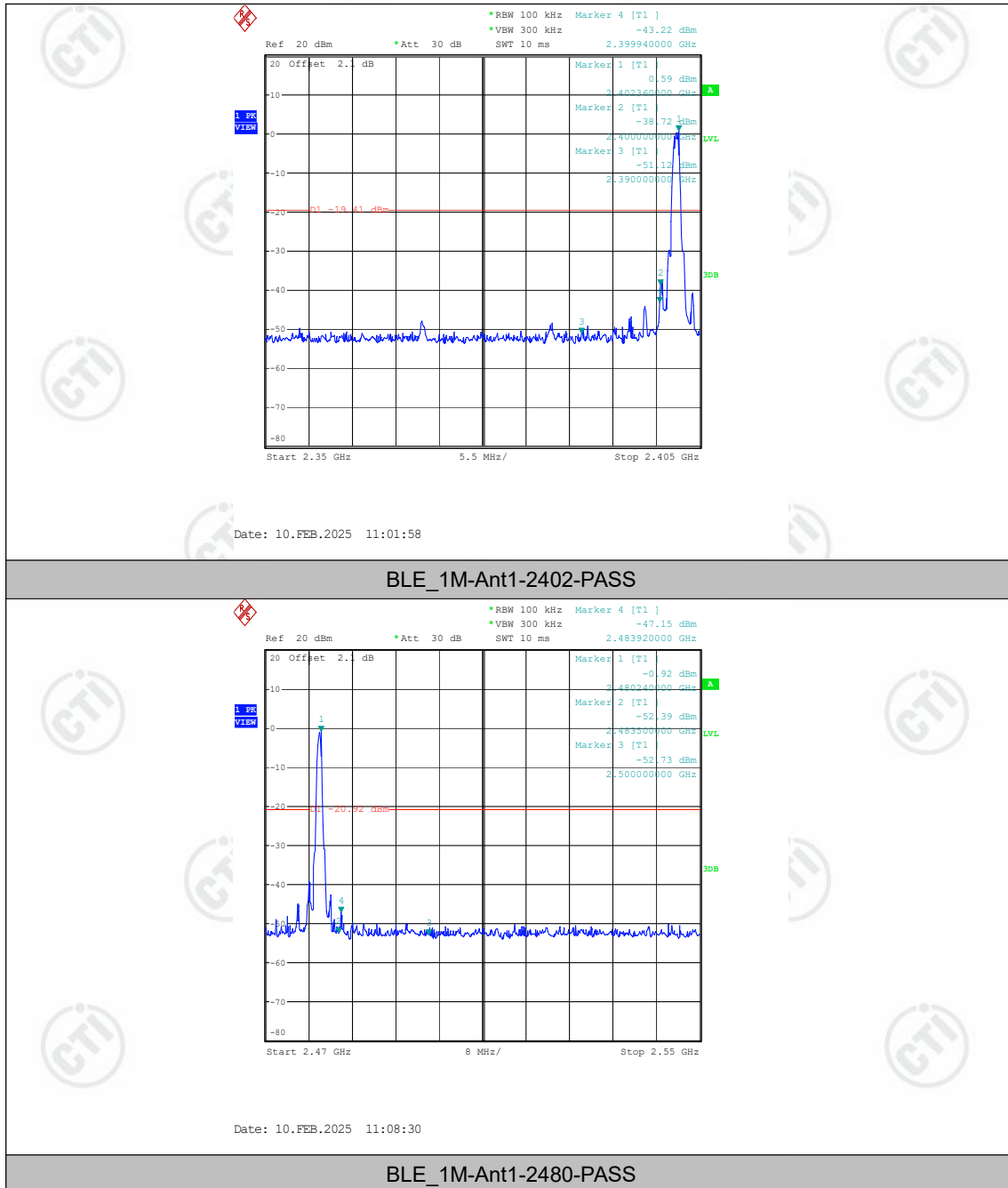


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.59	-43.22	≤-19.41	PASS
BLE_1M	Ant1	High	2480	-0.92	-47.15	≤-20.92	PASS

Test Graphs

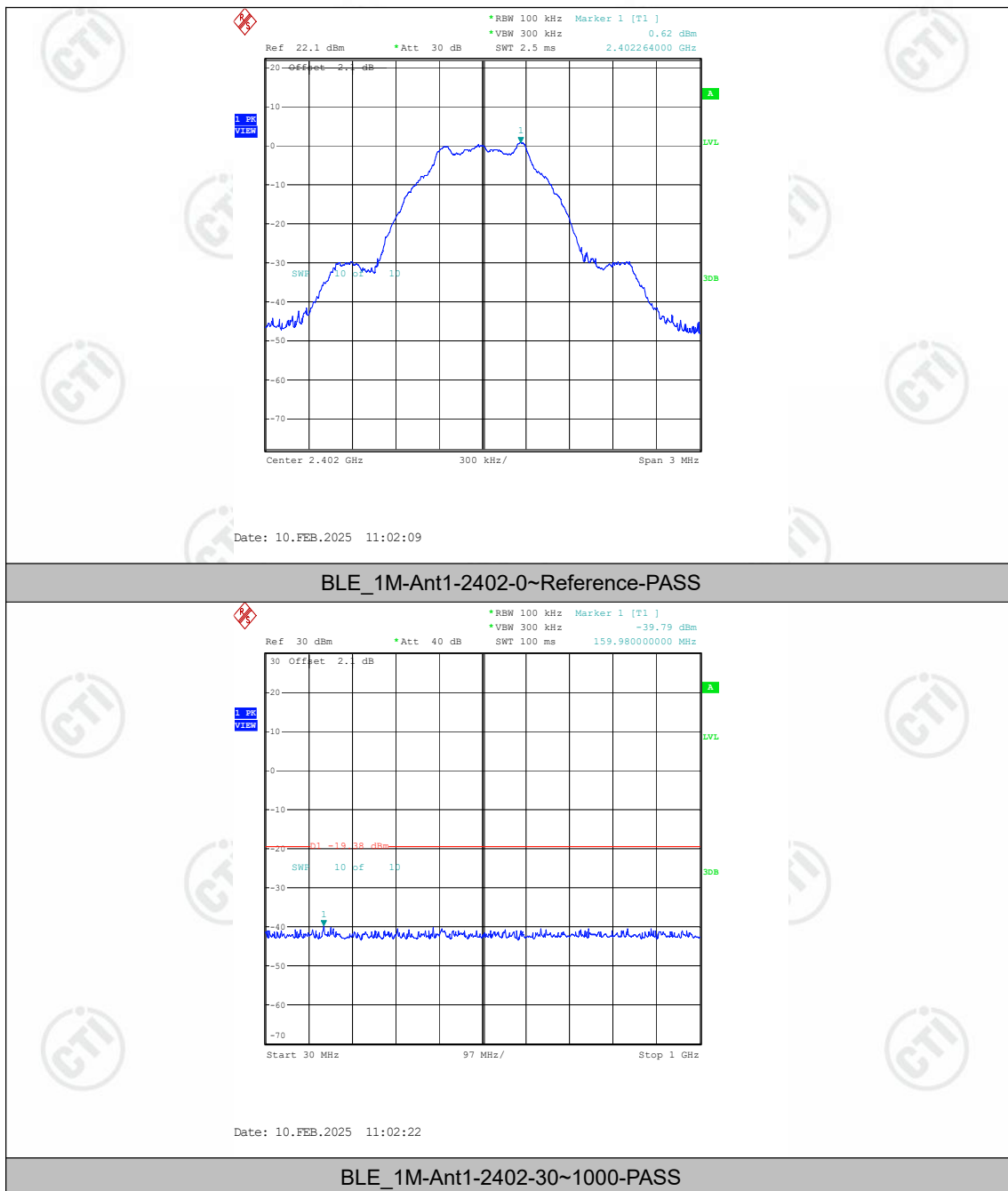


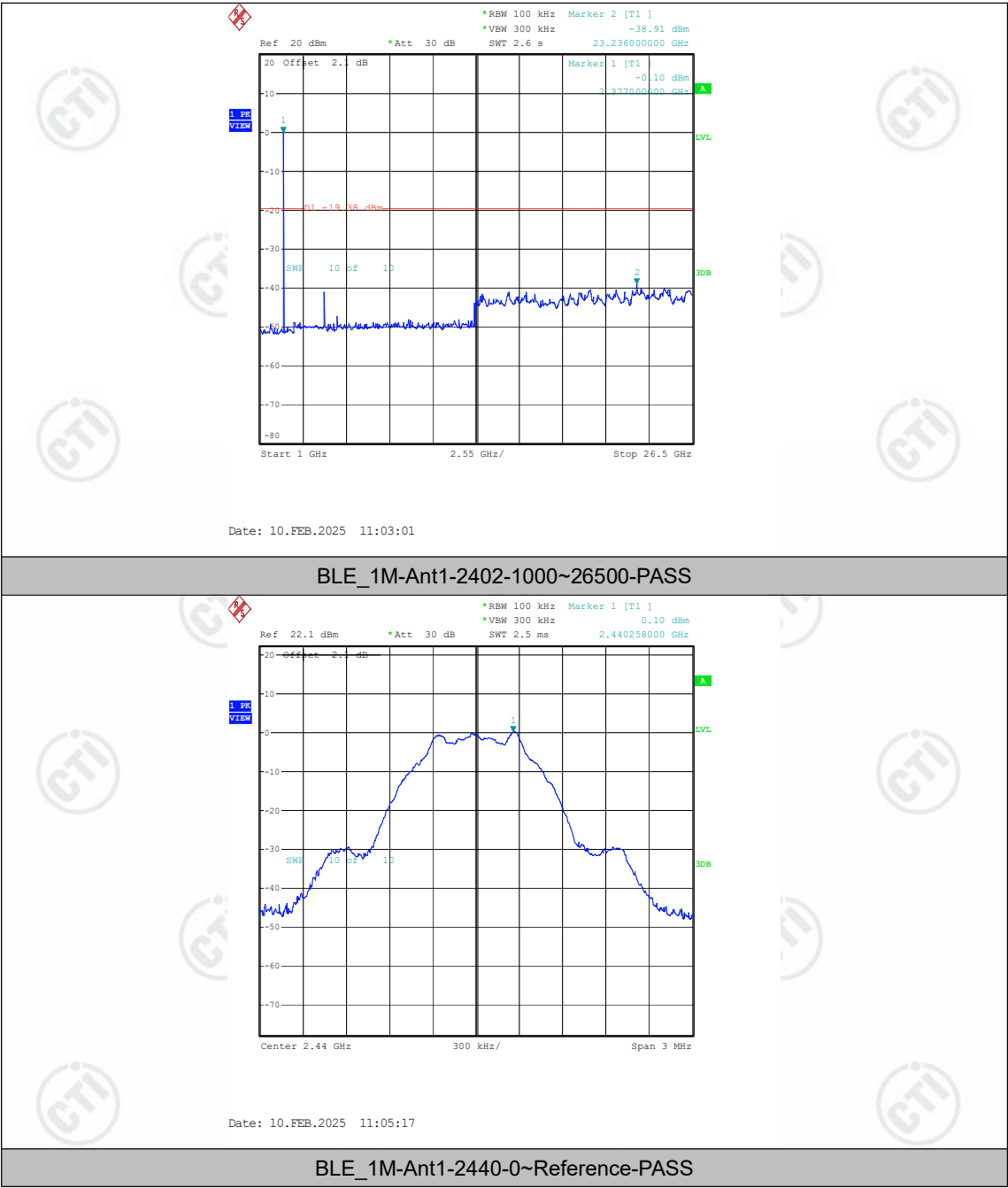
Appendix F: Conducted Spurious Emission

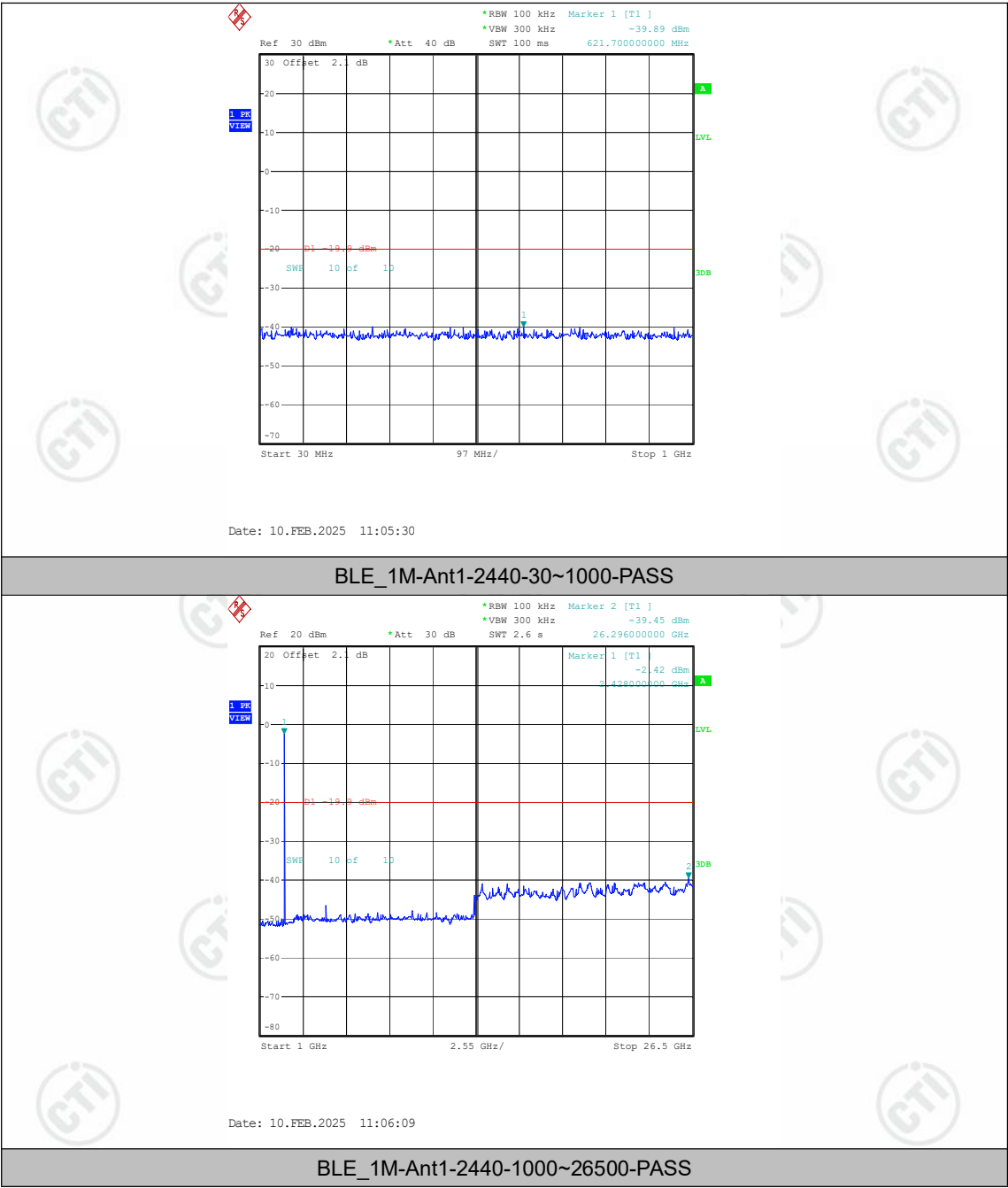
Test Result

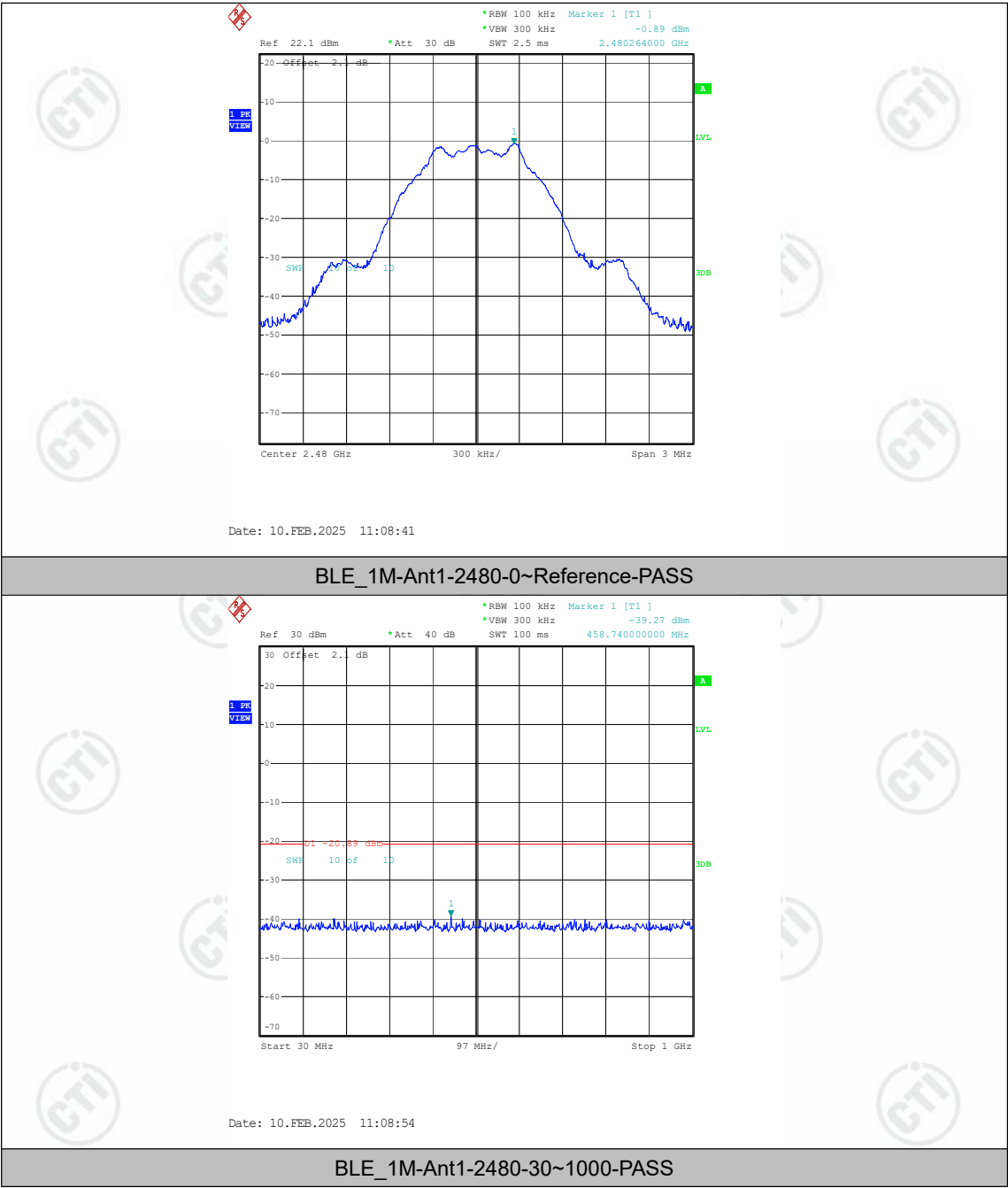
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.62	0.62	---	PASS
BLE_1M	Ant1	2402	30~1000	0.62	-39.79	≤-19.38	PASS
BLE_1M	Ant1	2402	1000~26500	0.62	-38.91	≤-19.38	PASS
BLE_1M	Ant1	2440	0~Reference	0.10	0.10	---	PASS
BLE_1M	Ant1	2440	30~1000	0.10	-39.89	≤-19.9	PASS
BLE_1M	Ant1	2440	1000~26500	0.10	-39.45	≤-19.9	PASS
BLE_1M	Ant1	2480	0~Reference	-0.89	-0.89	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.89	-39.27	≤-20.89	PASS
BLE_1M	Ant1	2480	1000~26500	-0.89	-38.9	≤-20.89	PASS

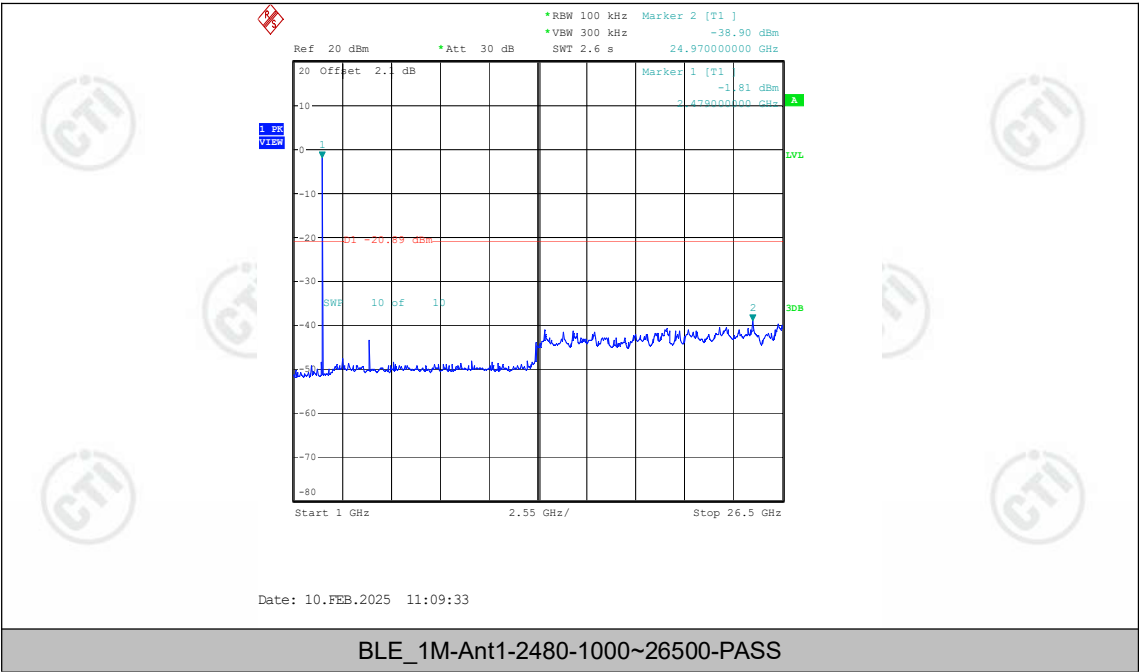
Test Graphs











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	0.41	0.64	64.06	1.93
BLE_1M	Ant1	2440	0.41	0.64	64.06	1.93
BLE_1M	Ant1	2480	0.41	0.63	65.08	1.87

Test Graphs

