

Appendix: Bluetooth LE

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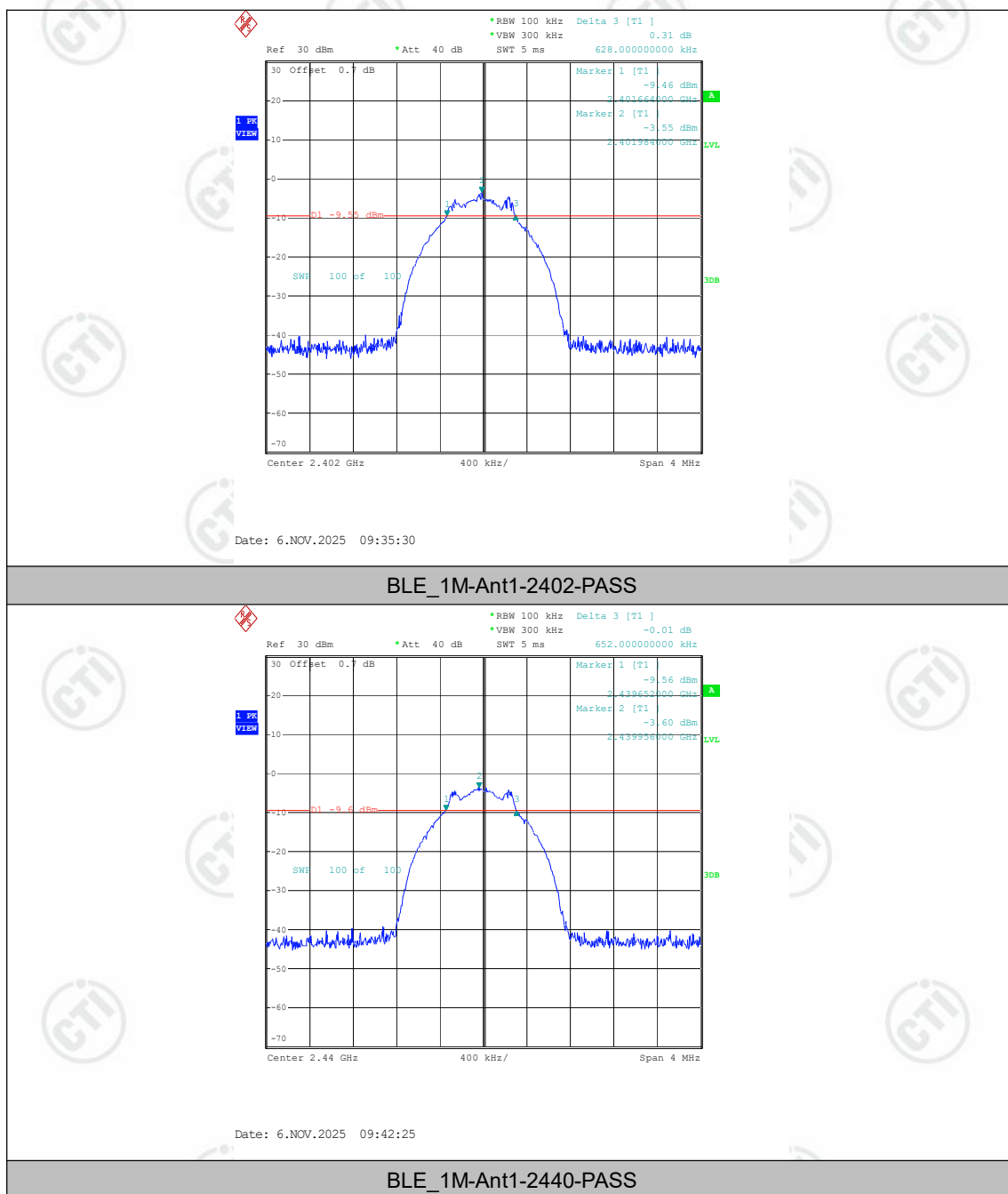
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.63	2401.66	2402.29	0.5	PASS
BLE_1M	Ant1	2440	0.65	2439.65	2440.30	0.5	PASS
BLE_1M	Ant1	2480	0.63	2479.66	2480.29	0.5	PASS

Test Graphs



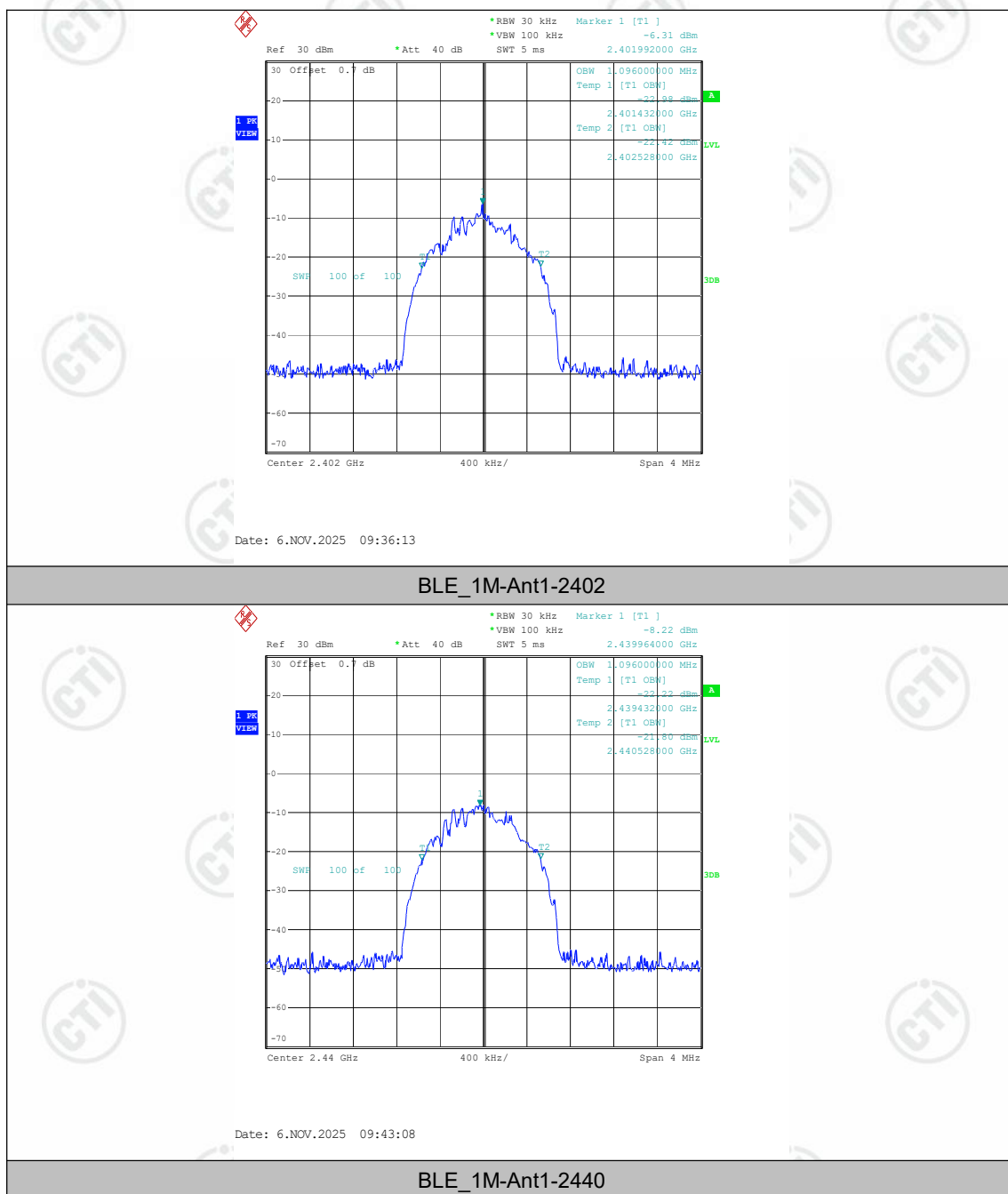


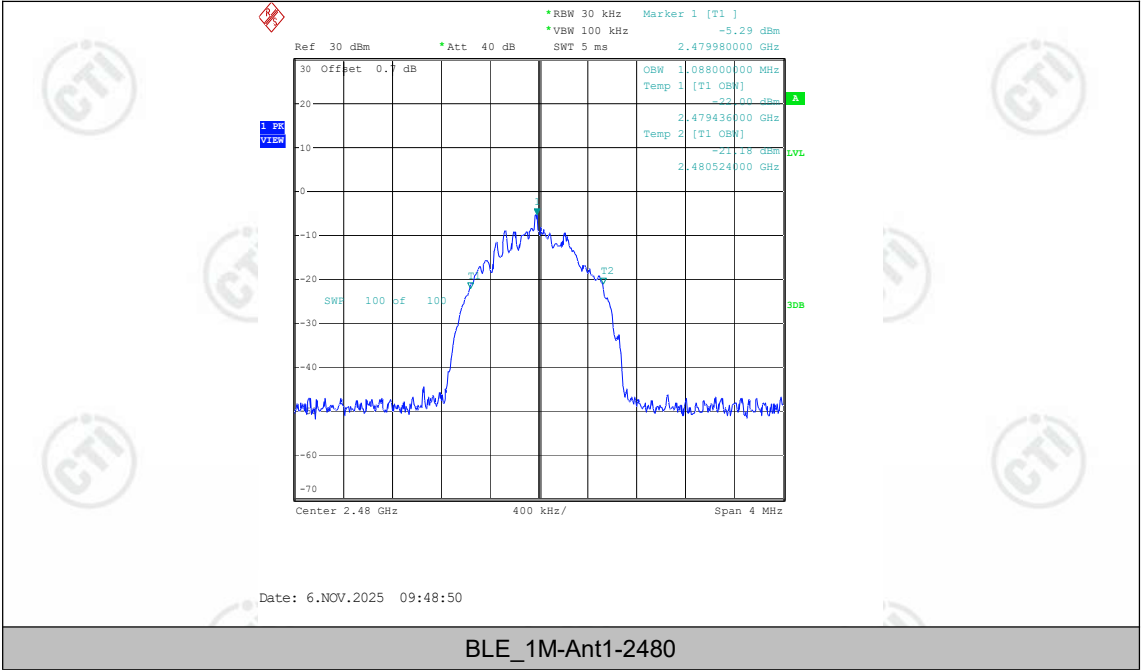
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0960	---	---
BLE_1M	Ant1	2440	1.0960	---	---
BLE_1M	Ant1	2480	1.0880	---	---

Test Graphs



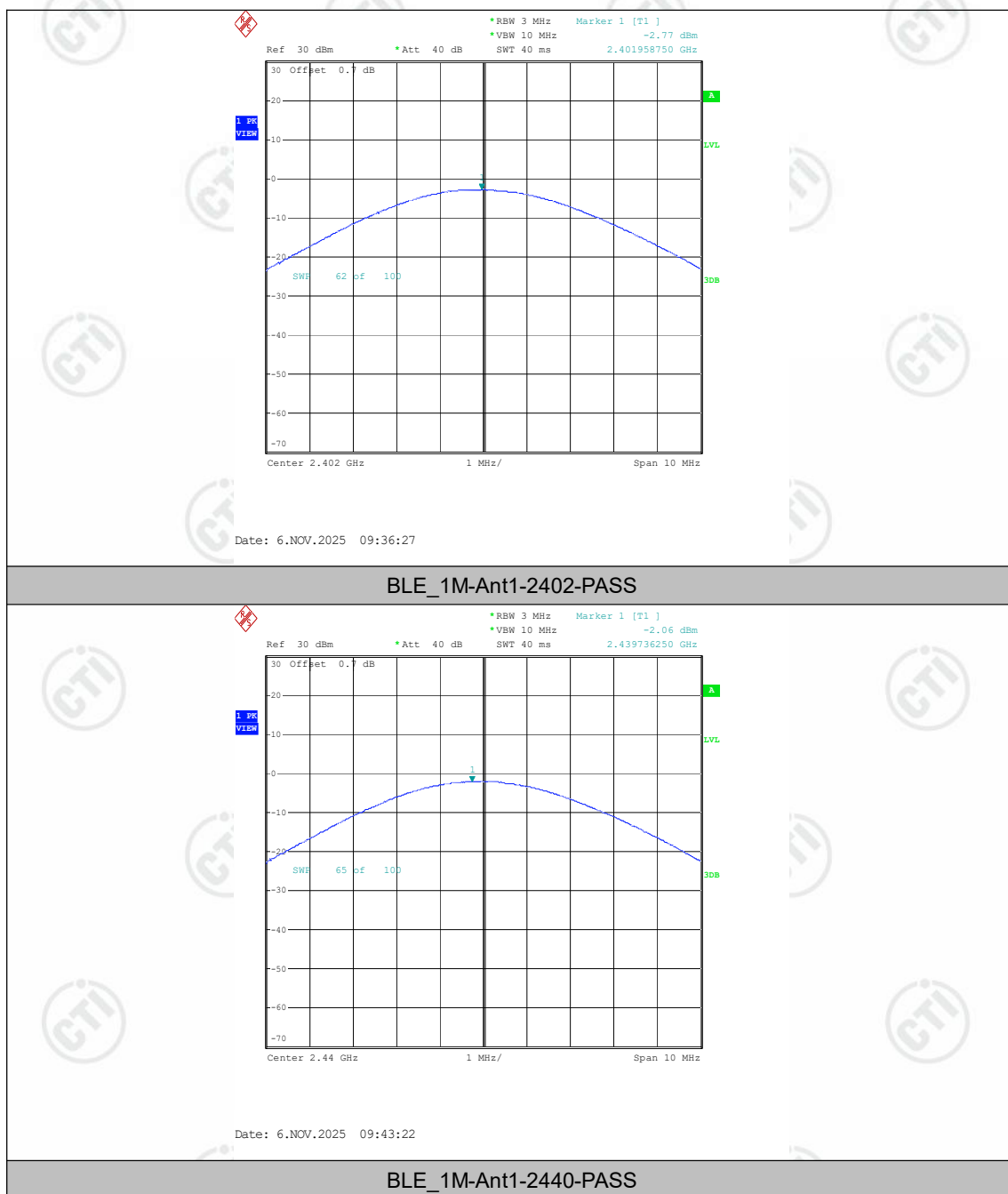


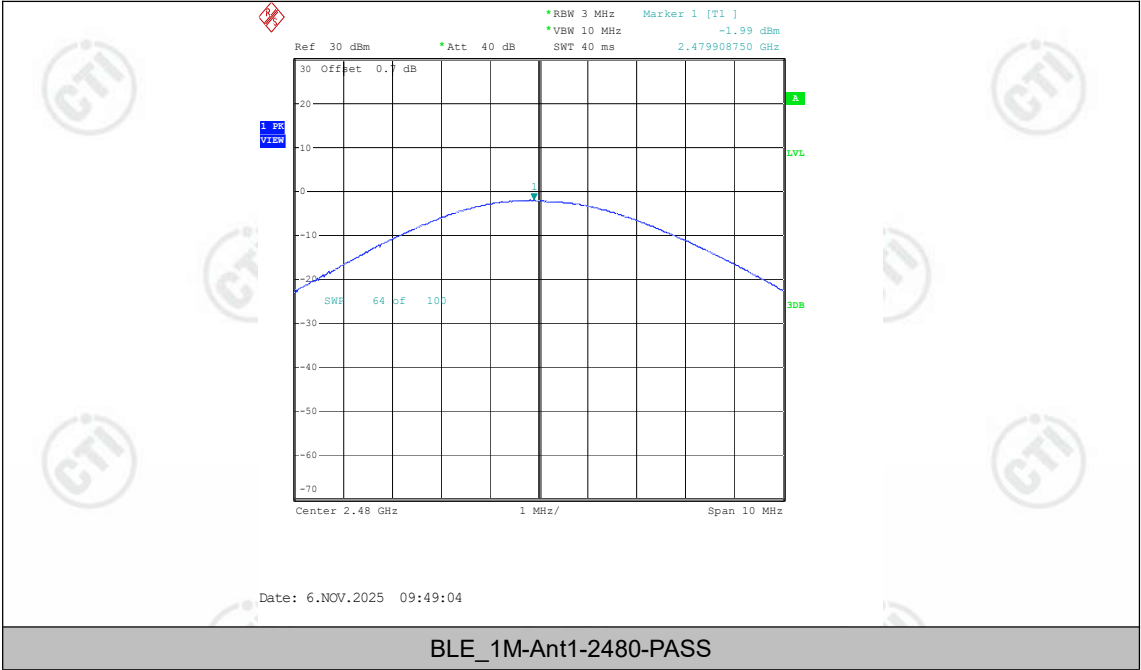
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.77	≤30	PASS
BLE_1M	Ant1	2440	-2.06	≤30	PASS
BLE_1M	Ant1	2480	-1.99	≤30	PASS

Test Graphs Peak



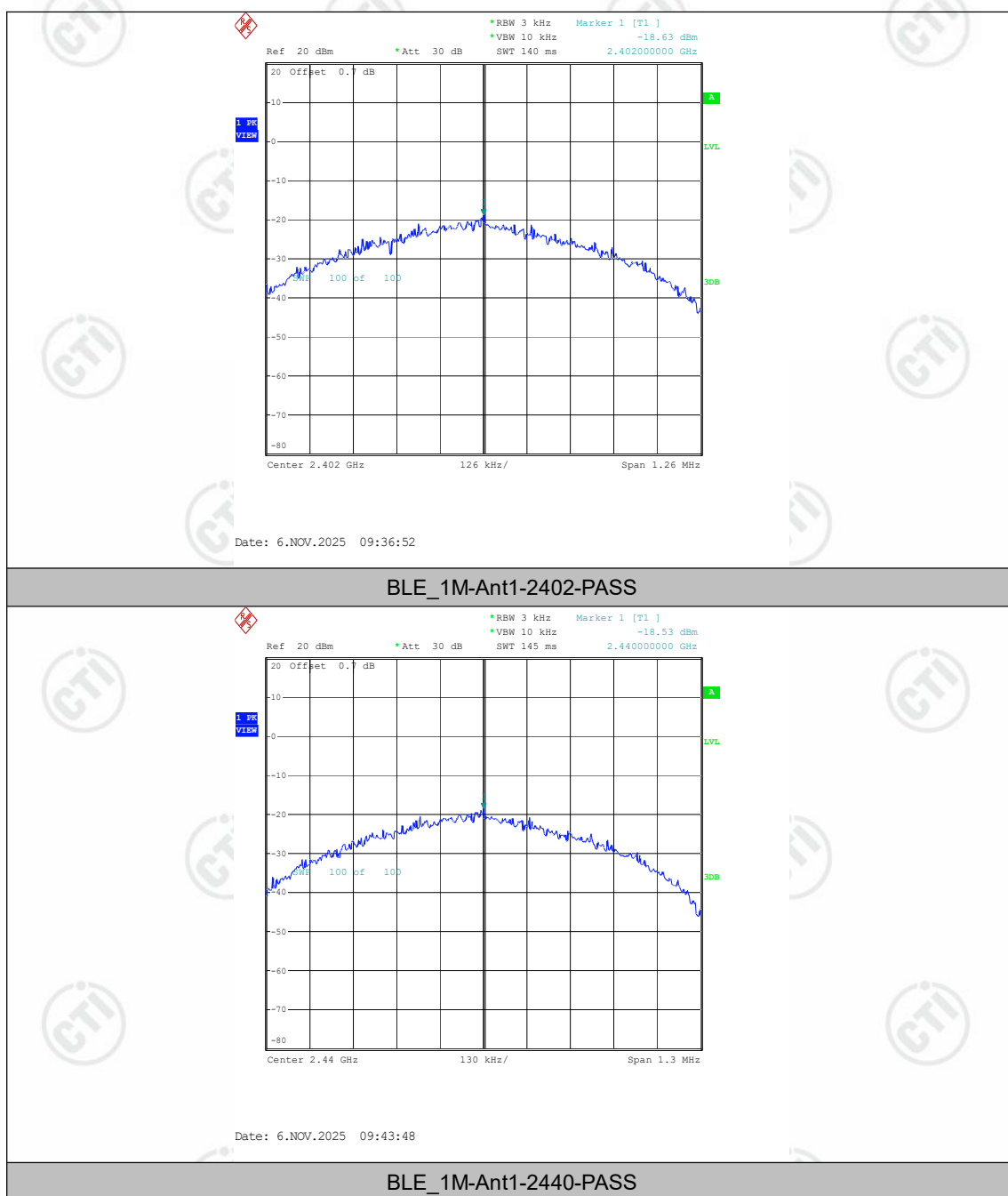


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.63	≤8.00	PASS
BLE_1M	Ant1	2440	-18.53	≤8.00	PASS
BLE_1M	Ant1	2480	-17.86	≤8.00	PASS

Test Graphs



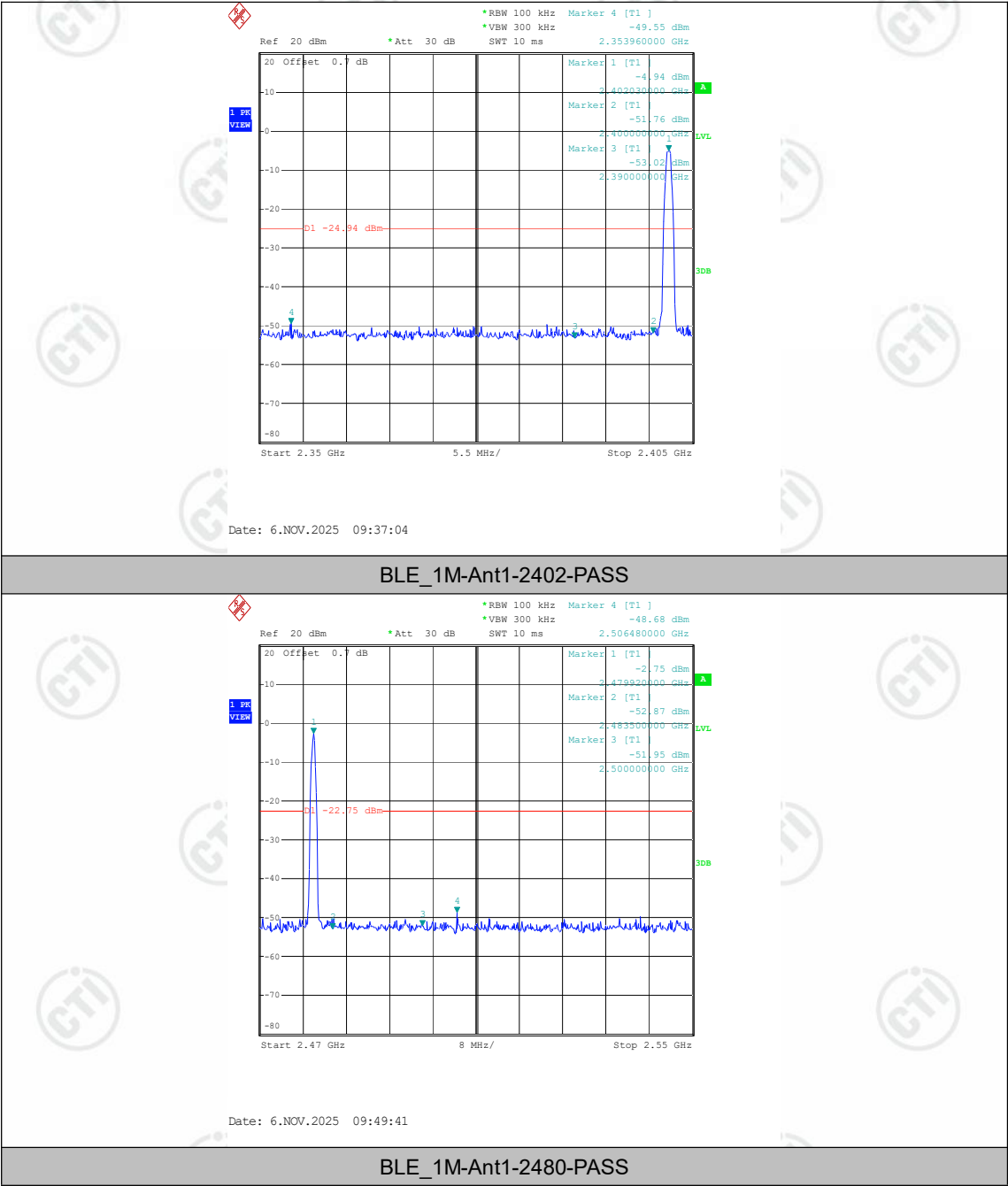


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.94	-49.55	≤-24.94	PASS
BLE_1M	Ant1	High	2480	-2.75	-48.68	≤-22.75	PASS

Test Graphs

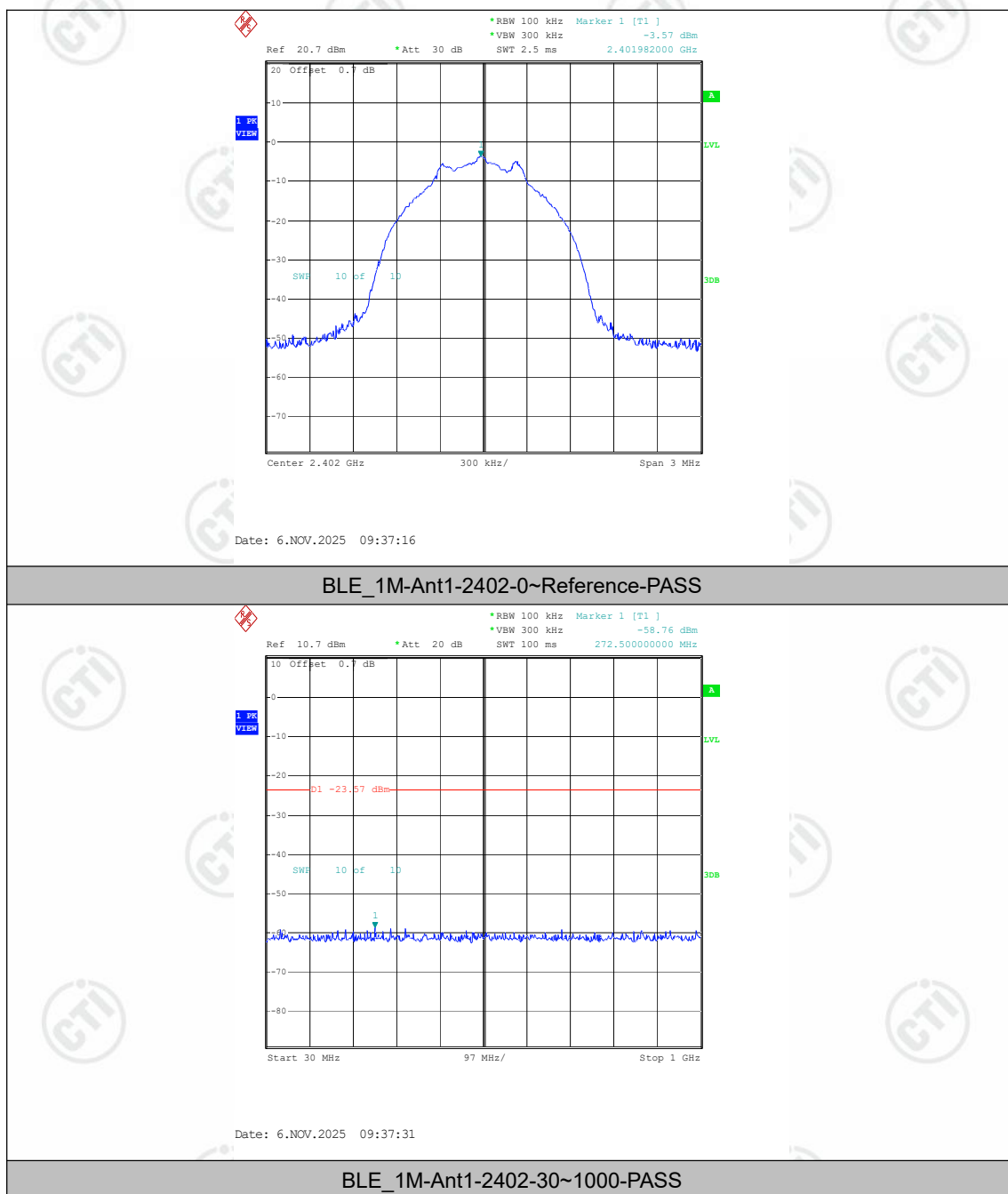


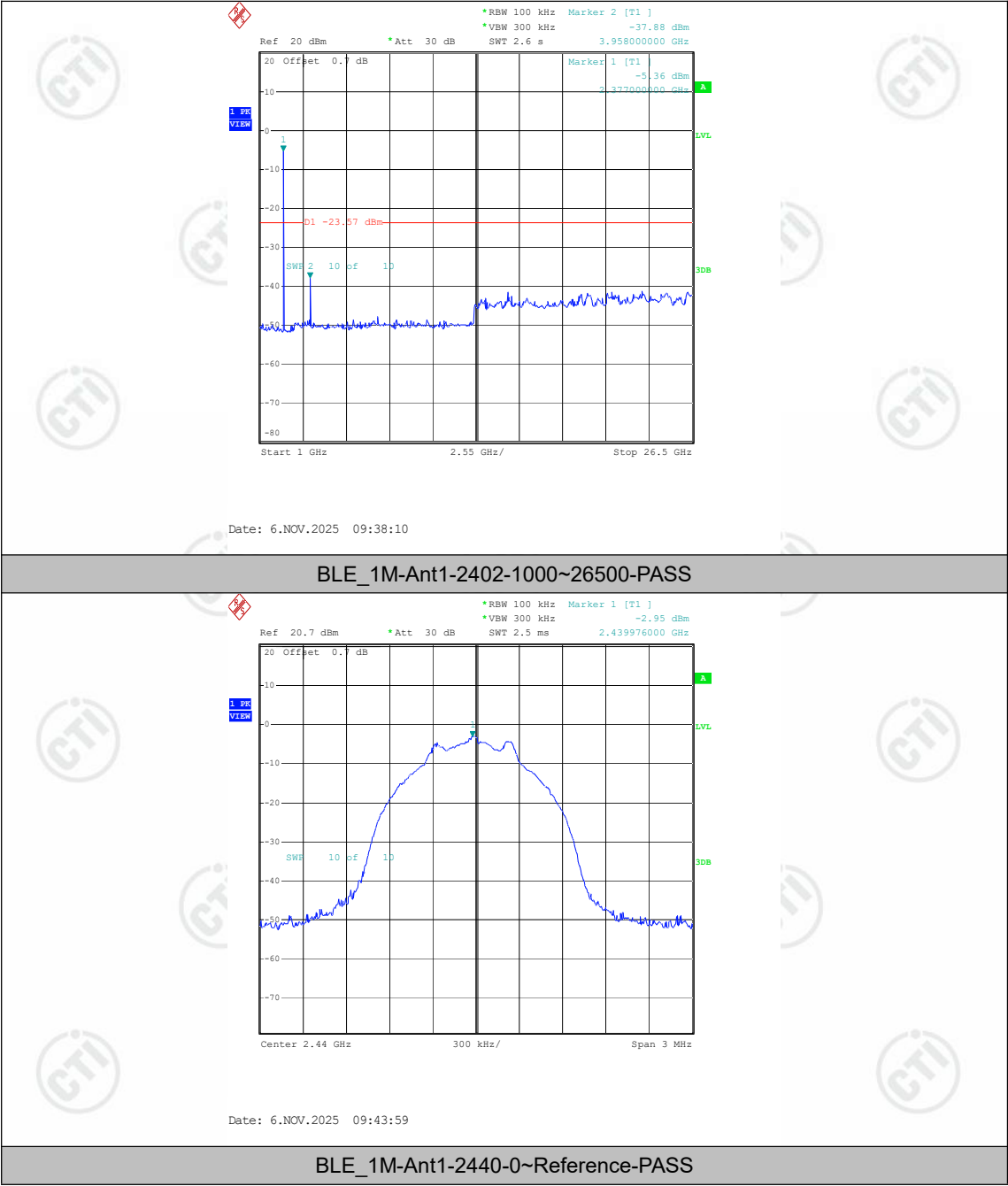
Appendix G: Conducted Spurious Emission

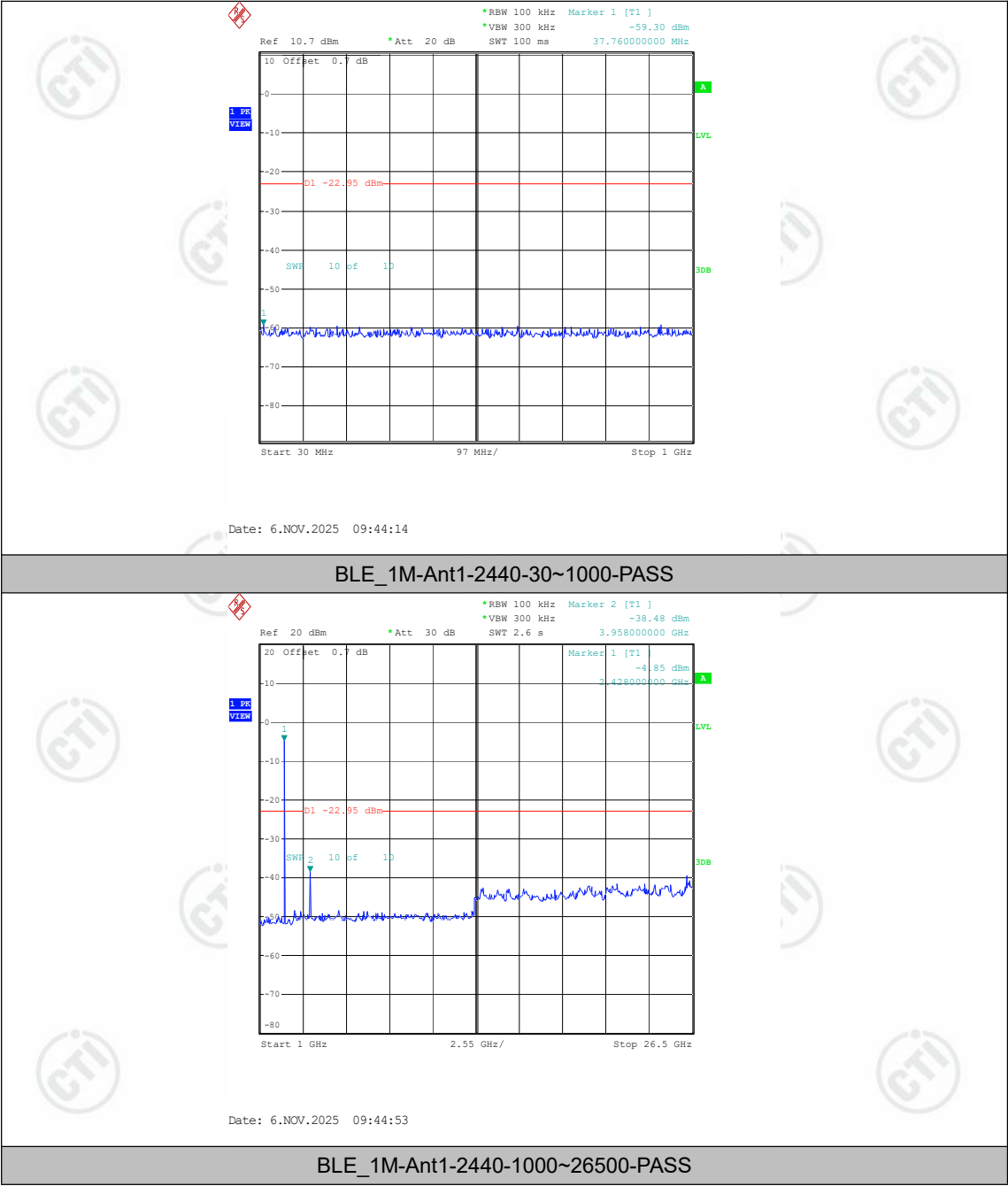
Test Result

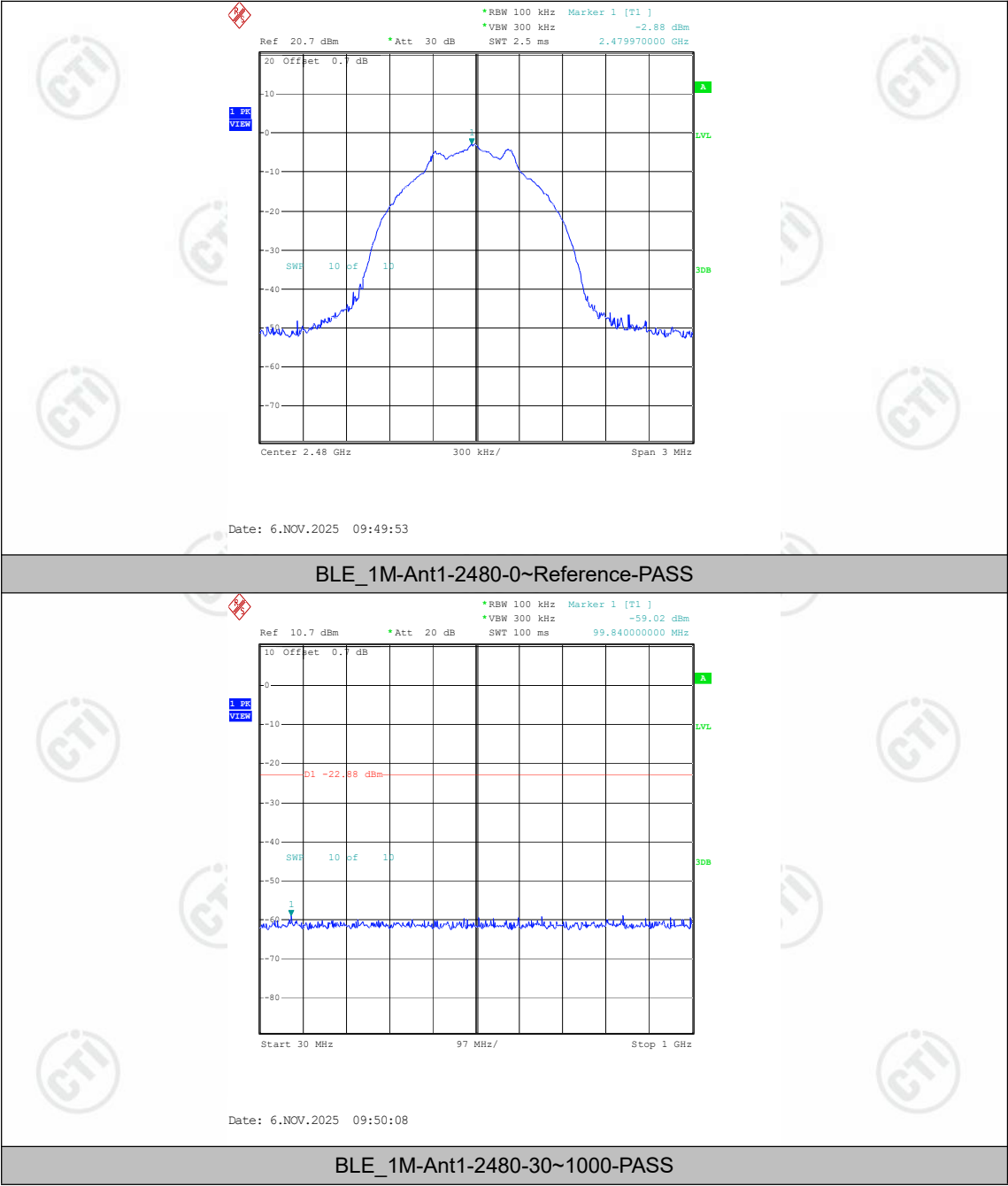
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.57	-3.57	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.57	-58.76	≤-23.57	PASS
BLE_1M	Ant1	2402	1000~26500	-3.57	-37.88	≤-23.57	PASS
BLE_1M	Ant1	2440	0~Reference	-2.95	-2.95	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.95	-59.3	≤-22.95	PASS
BLE_1M	Ant1	2440	1000~26500	-2.95	-38.48	≤-22.95	PASS
BLE_1M	Ant1	2480	0~Reference	-2.88	-2.88	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.88	-59.02	≤-22.88	PASS
BLE_1M	Ant1	2480	1000~26500	-2.88	-38.65	≤-22.88	PASS

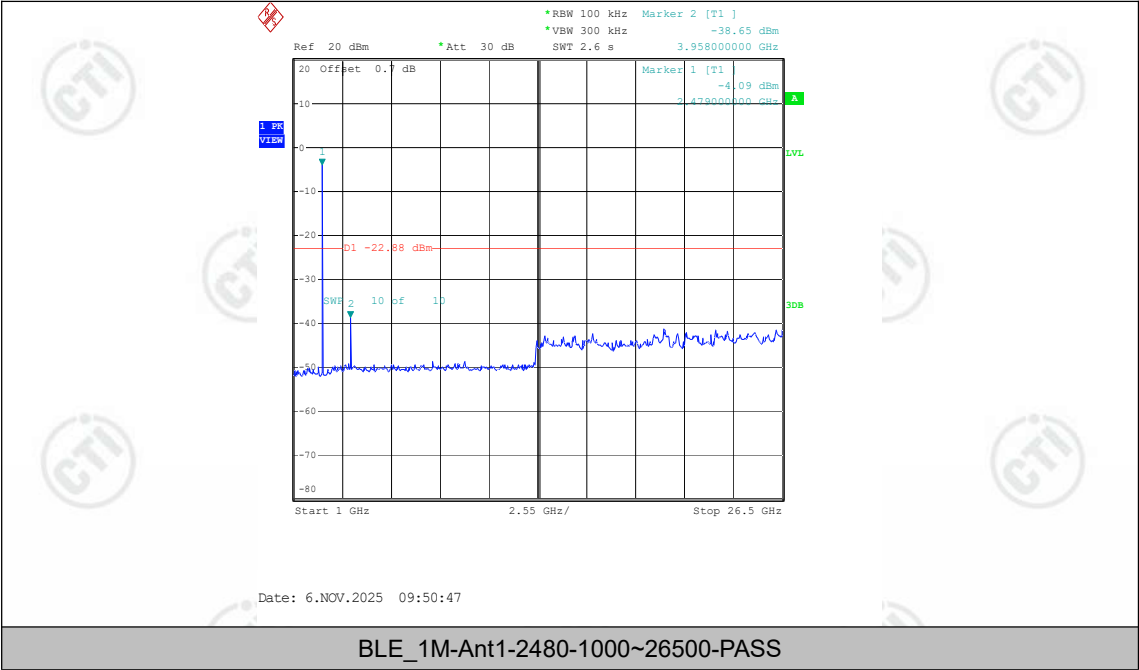
Test Graphs











Appendix F: 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	2.51	83.67	0.77

Test Graphs

