

Appendix: Bluetooth LE

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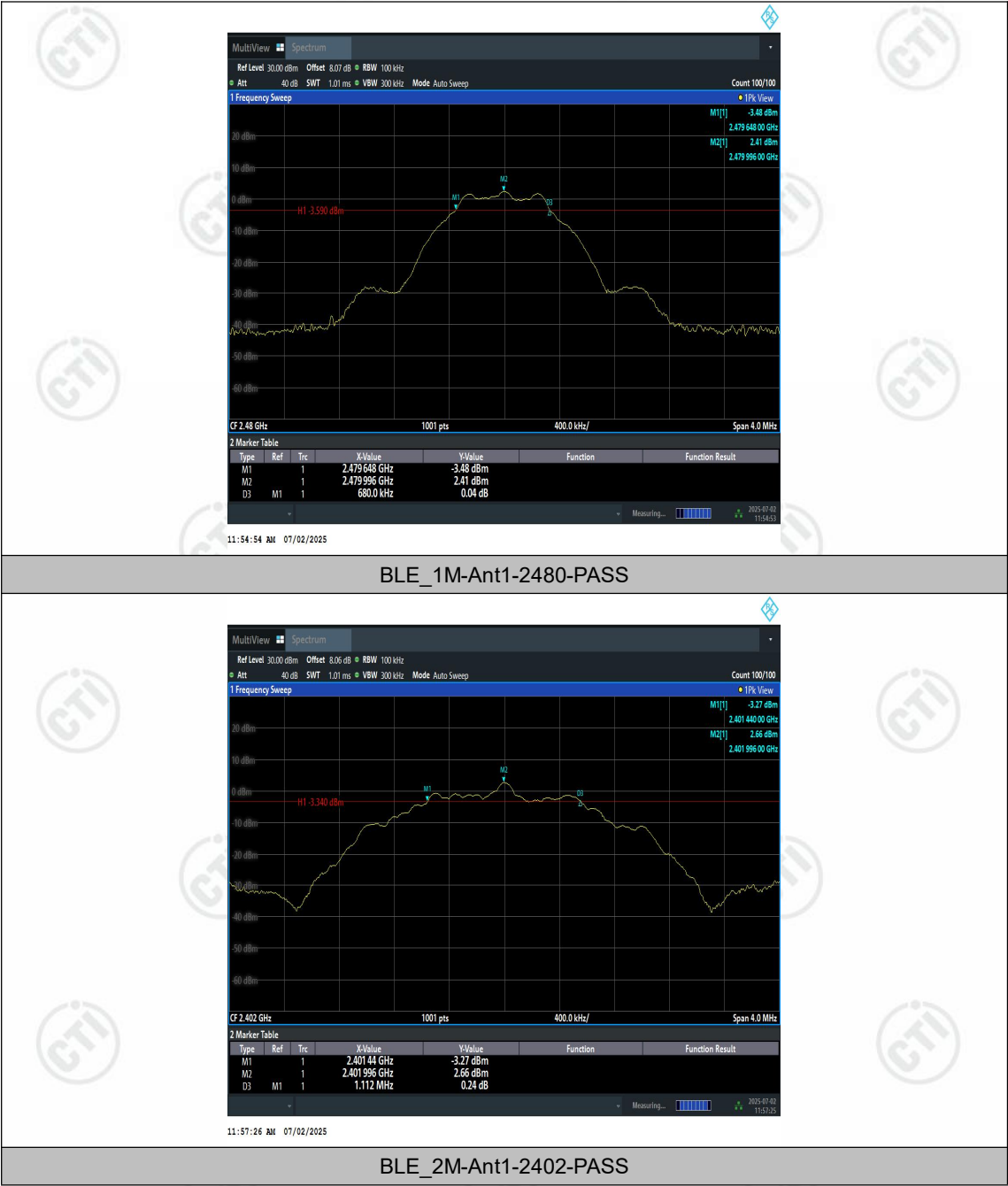
Appendix A: DTS Bandwidth

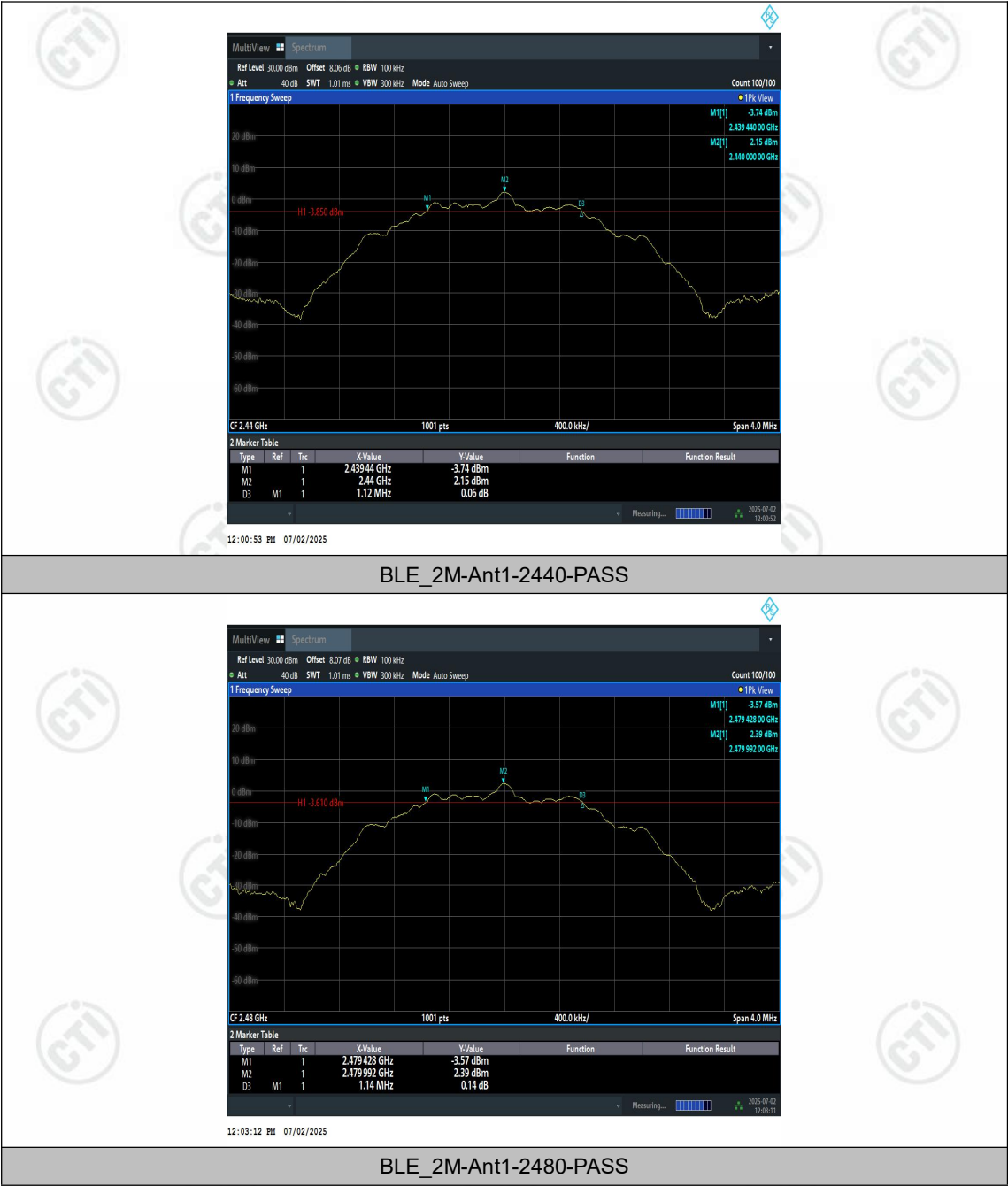
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.67	2401.65	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.67	2439.66	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.68	2479.65	2480.33	0.5	PASS
BLE_2M	Ant1	2402	1.11	2401.44	2402.55	0.5	PASS
BLE_2M	Ant1	2440	1.12	2439.44	2440.56	0.5	PASS
BLE_2M	Ant1	2480	1.14	2479.43	2480.57	0.5	PASS

Test Graphs







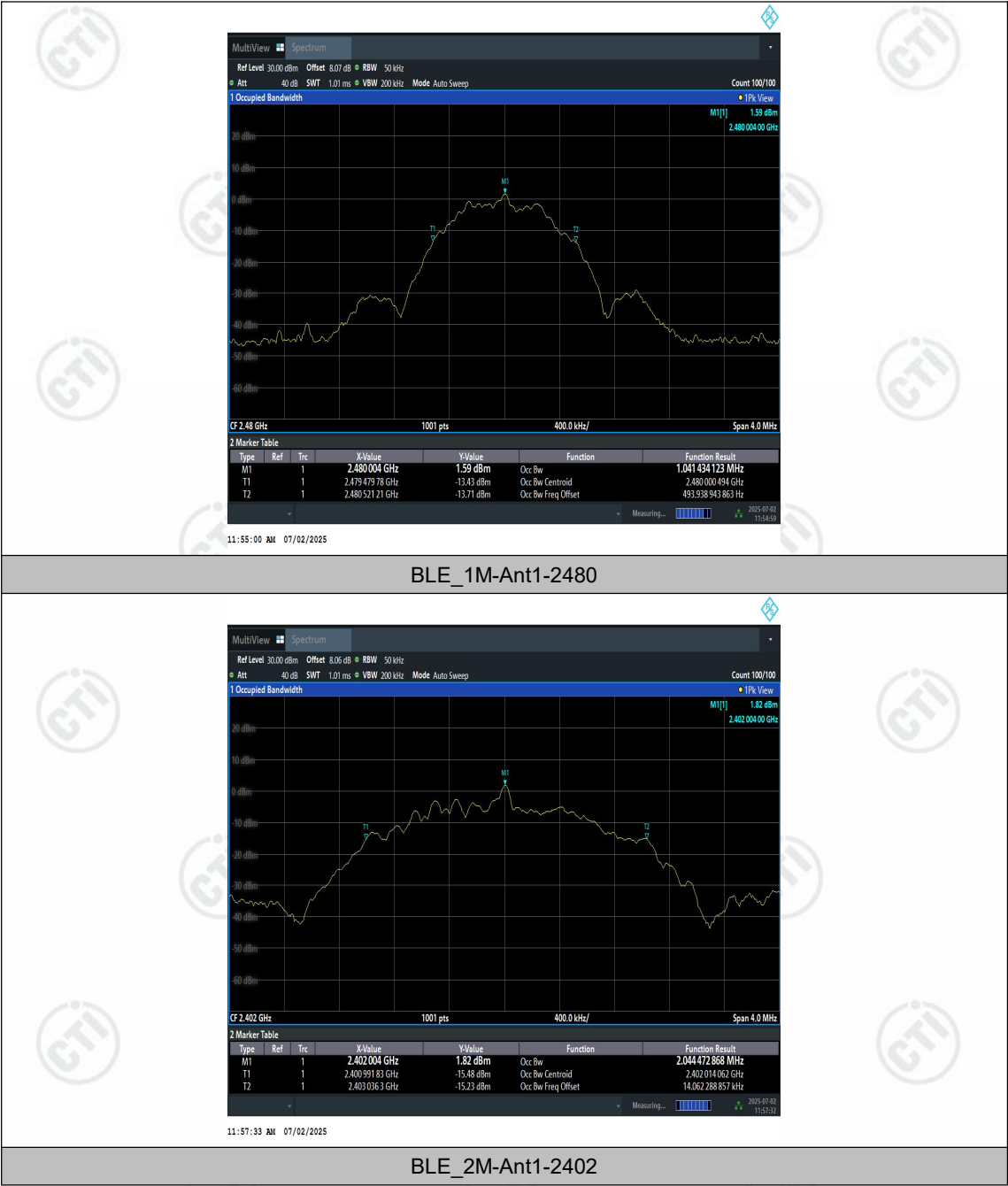
Appendix B: Occupied Channel Bandwidth

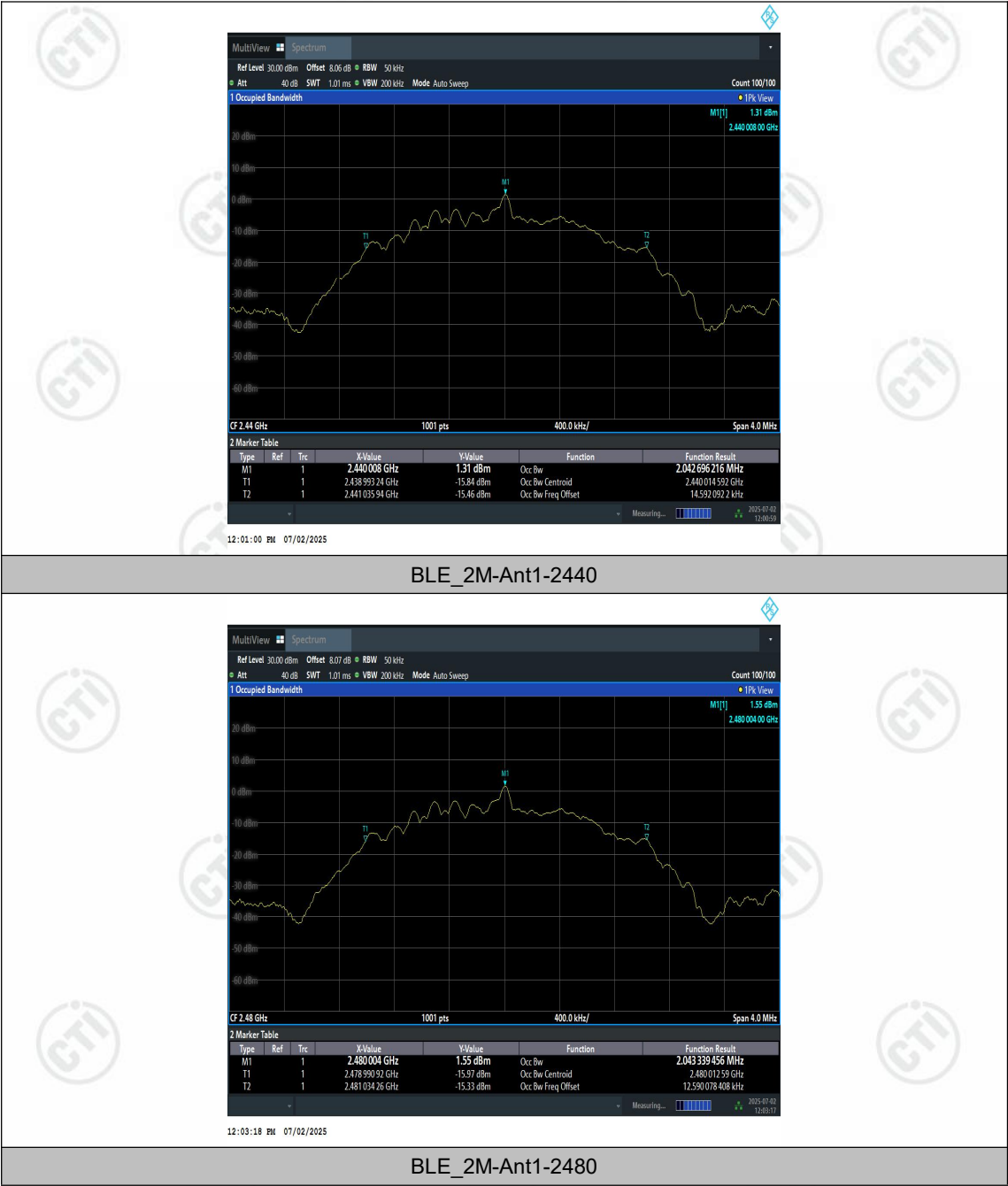
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0437	2401.4792	2402.5229	---	---
BLE_1M	Ant1	2440	1.0408	2439.4825	2440.5233	---	---
BLE_1M	Ant1	2480	1.0414	2479.4798	2480.5212	---	---
BLE_2M	Ant1	2402	2.0445	2400.9918	2403.0363	---	---
BLE_2M	Ant1	2440	2.0427	2438.9932	2441.0359	---	---
BLE_2M	Ant1	2480	2.0433	2478.9909	2481.0343	---	---

Test Graphs





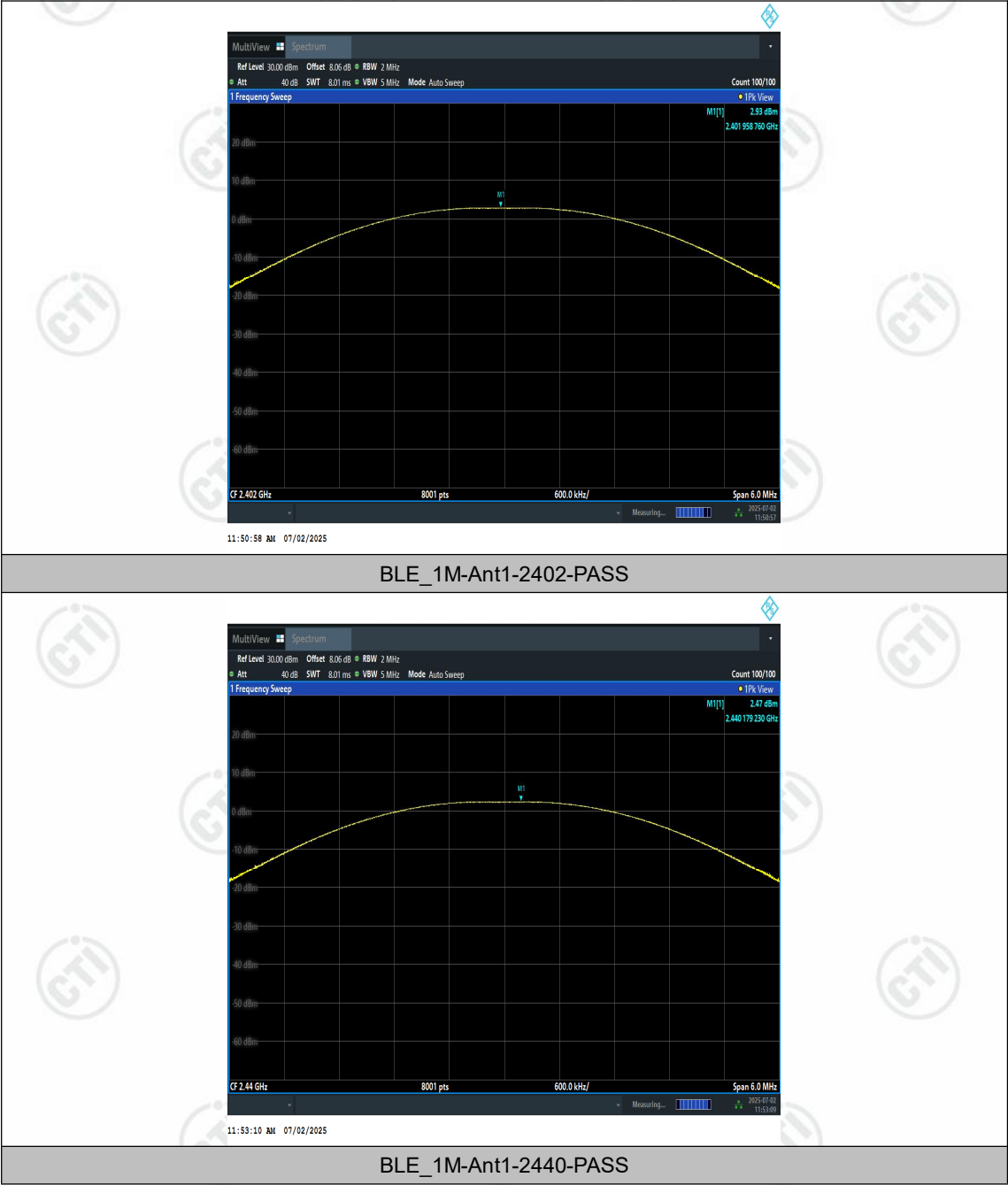


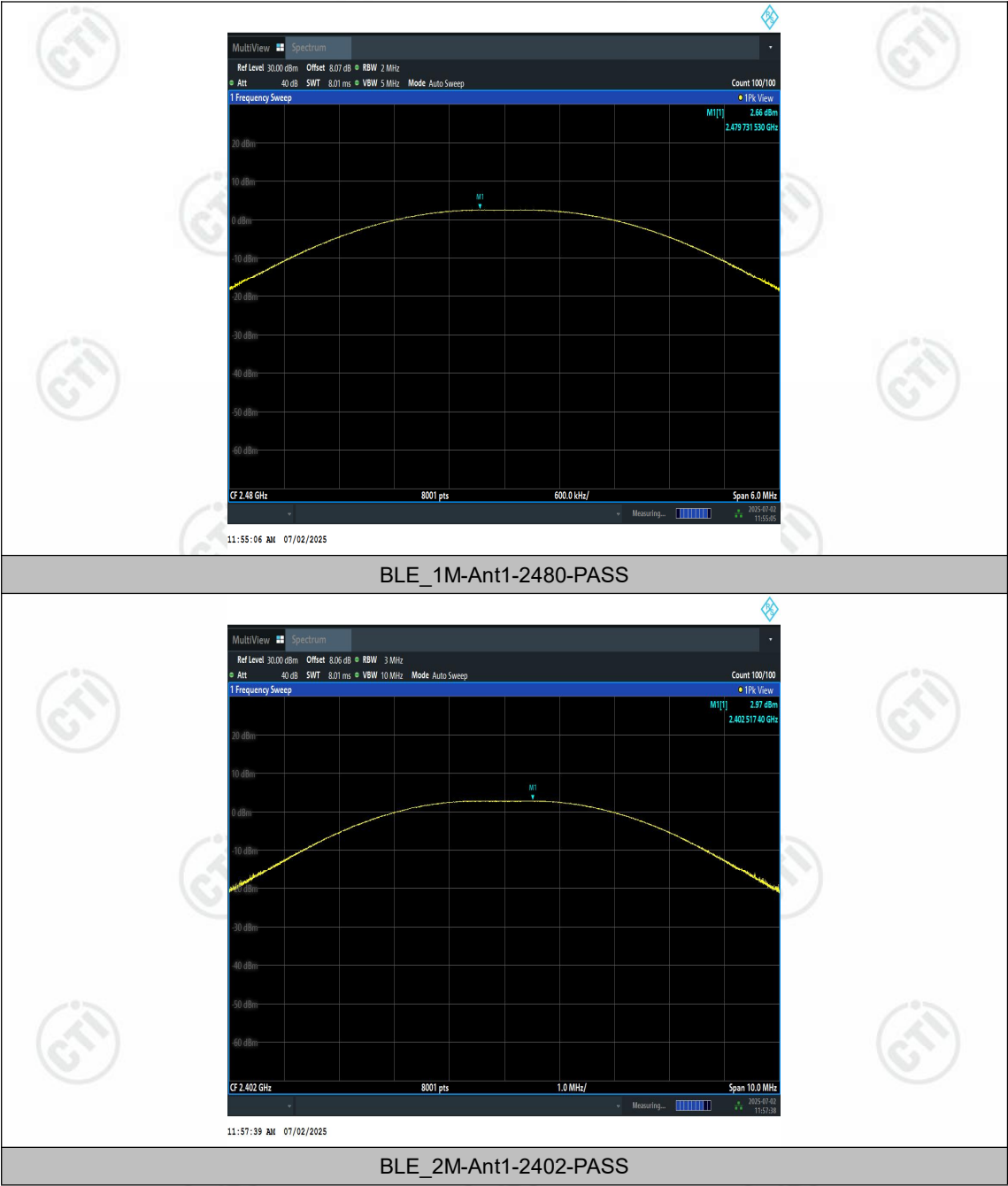
Appendix C: Maximum conducted output power

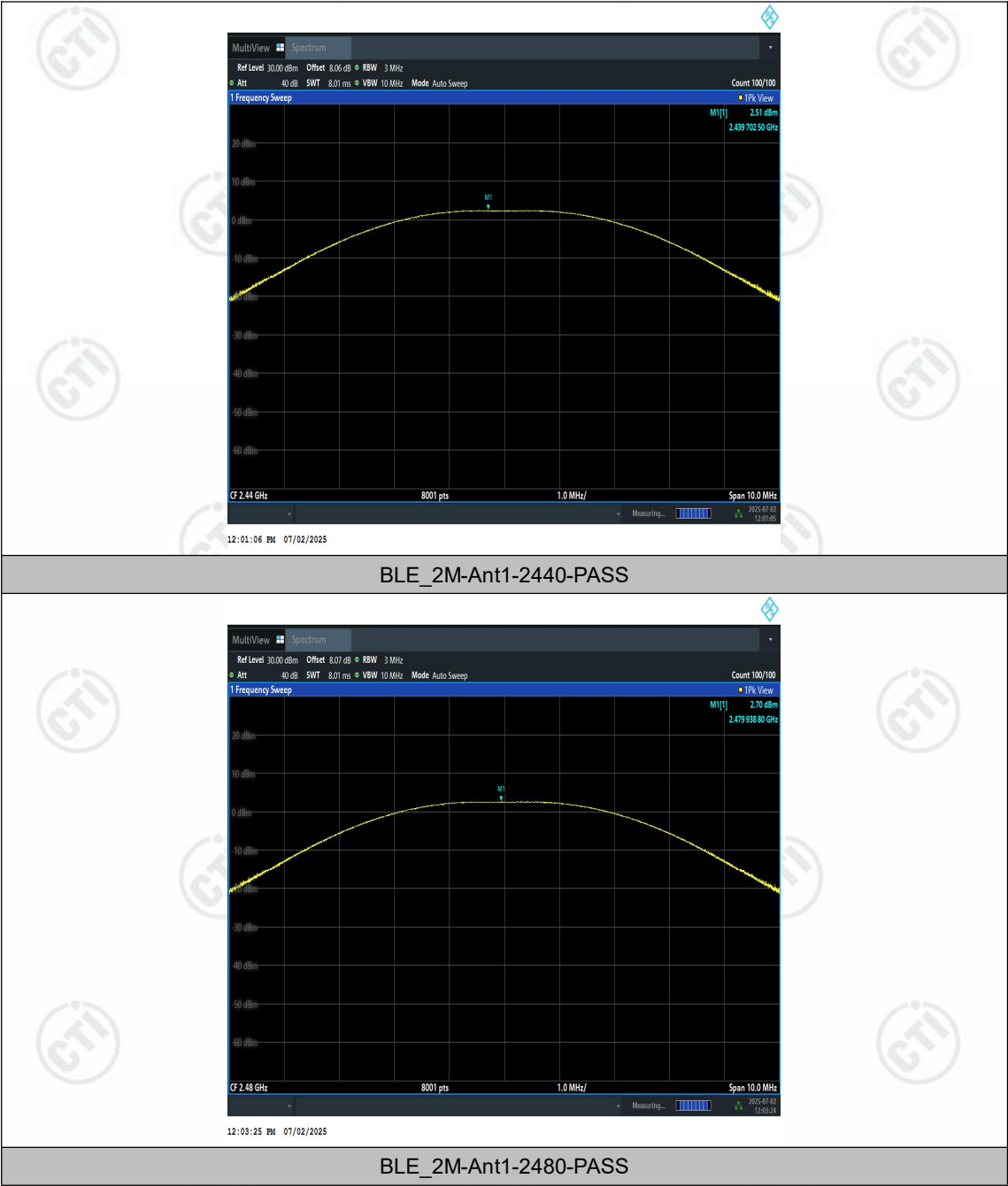
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.93	≤30	2.81	≤36	PASS
BLE_1M	Ant1	2440	2.47	≤30	2.35	≤36	PASS
BLE_1M	Ant1	2480	2.66	≤30	2.54	≤36	PASS
BLE_2M	Ant1	2402	2.97	≤30	2.85	≤36	PASS
BLE_2M	Ant1	2440	2.51	≤30	2.39	≤36	PASS
BLE_2M	Ant1	2480	2.70	≤30	2.58	≤36	PASS

Test Graphs Peak





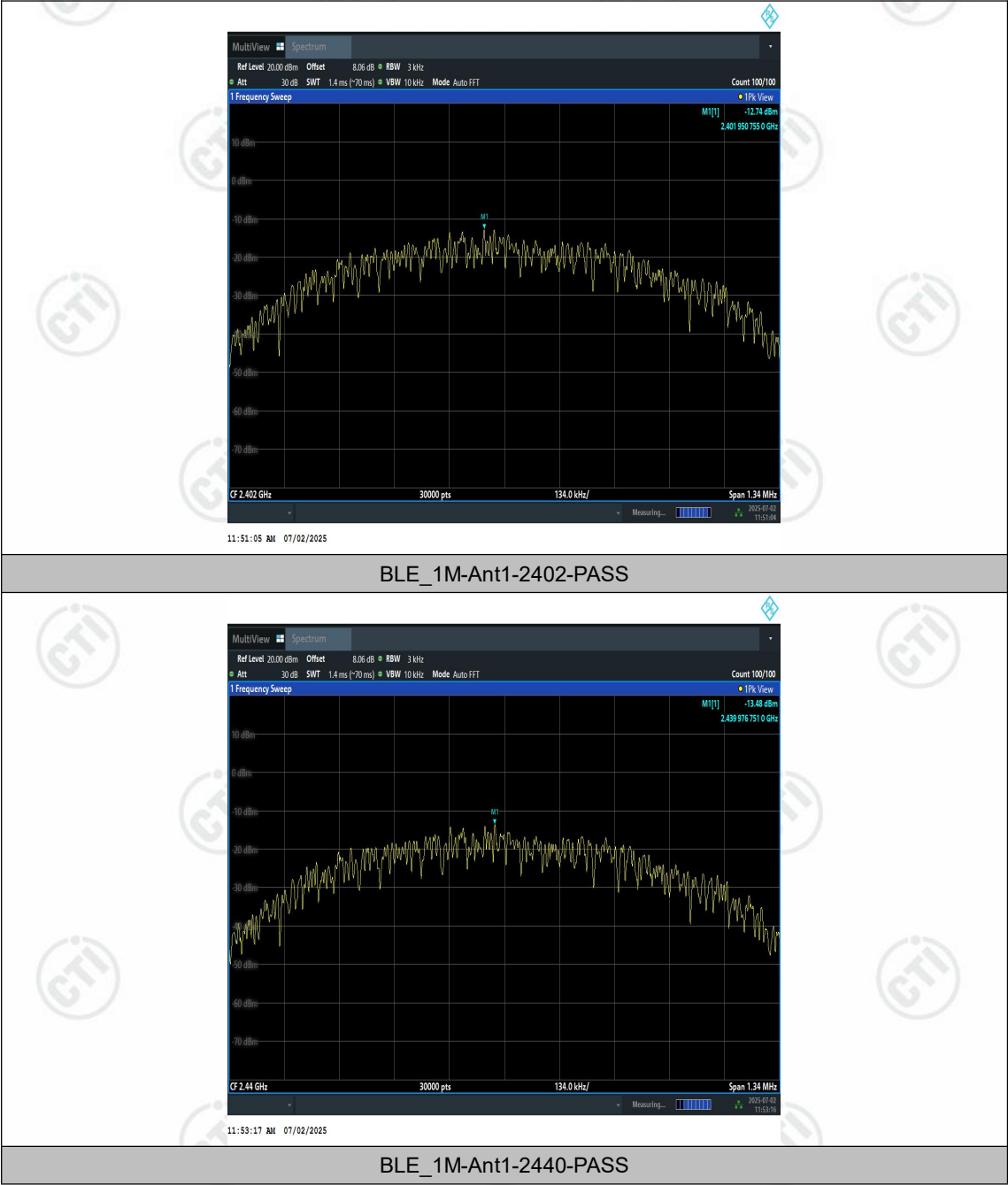


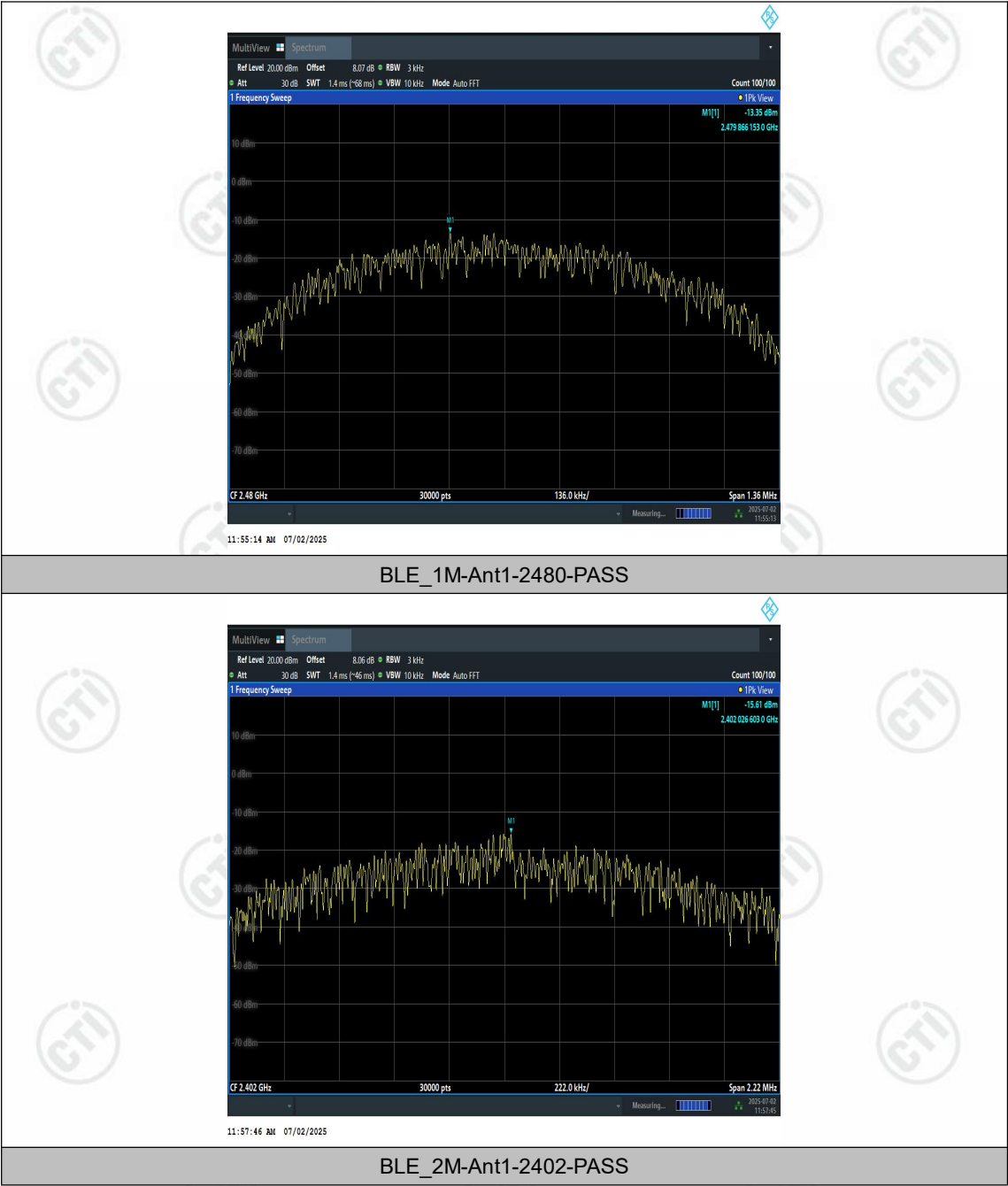
Appendix D: Maximum power spectral density

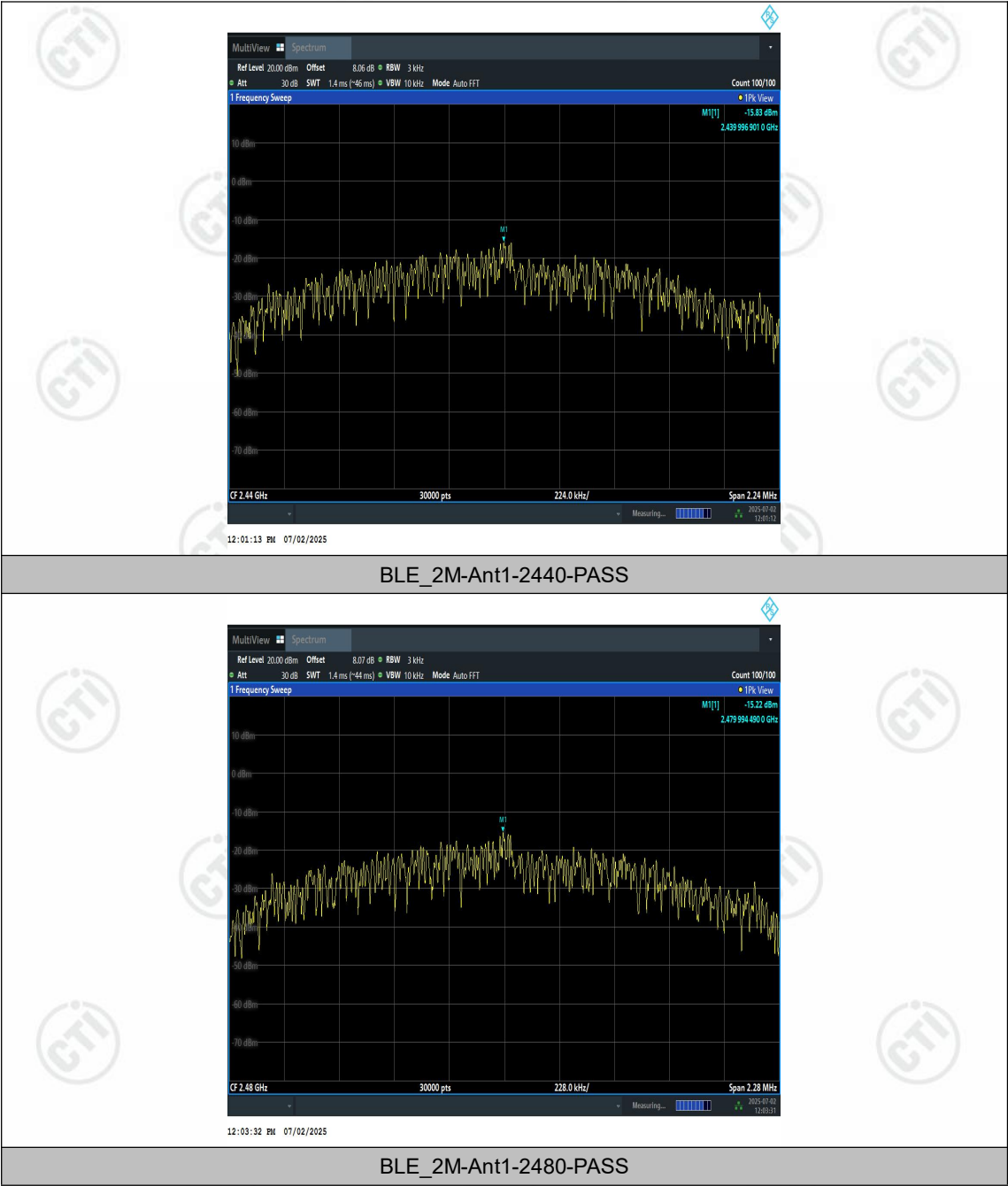
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.74	≤8.00	PASS
BLE_1M	Ant1	2440	-13.48	≤8.00	PASS
BLE_1M	Ant1	2480	-13.35	≤8.00	PASS
BLE_2M	Ant1	2402	-15.61	≤8.00	PASS
BLE_2M	Ant1	2440	-15.83	≤8.00	PASS
BLE_2M	Ant1	2480	-15.22	≤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	2.54	-44.62	≤-17.46	PASS
BLE_1M	Ant1	High	2480	2.20	-44.5	≤-17.8	PASS
BLE_2M	Ant1	Low	2402	1.62	-30.37	≤-18.38	PASS
BLE_2M	Ant1	High	2480	2.20	-44.53	≤-17.8	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	1.79	1.79	---	PASS
BLE_1M	Ant1	2402	30~1000	1.79	-58.46	≤-18.21	PASS
BLE_1M	Ant1	2402	1000~26500	1.79	-48.19	≤-18.21	PASS
BLE_1M	Ant1	2440	0~Reference	1.41	1.41	---	PASS
BLE_1M	Ant1	2440	30~1000	1.41	-58.73	≤-18.59	PASS
BLE_1M	Ant1	2440	1000~26500	1.41	-48.14	≤-18.59	PASS
BLE_1M	Ant1	2480	0~Reference	2.16	2.16	---	PASS
BLE_1M	Ant1	2480	30~1000	2.16	-58.36	≤-17.84	PASS
BLE_1M	Ant1	2480	1000~26500	2.16	-48.67	≤-17.84	PASS
BLE_2M	Ant1	2402	0~Reference	1.99	1.99	---	PASS
BLE_2M	Ant1	2402	30~1000	1.99	-58.53	≤-18.01	PASS
BLE_2M	Ant1	2402	1000~26500	1.99	-48.1	≤-18.01	PASS
BLE_2M	Ant1	2440	0~Reference	2.12	2.12	---	PASS
BLE_2M	Ant1	2440	30~1000	2.12	-57.65	≤-17.88	PASS
BLE_2M	Ant1	2440	1000~26500	2.12	-48.33	≤-17.88	PASS
BLE_2M	Ant1	2480	0~Reference	2.23	2.23	---	PASS
BLE_2M	Ant1	2480	30~1000	2.23	-59.39	≤-17.77	PASS
BLE_2M	Ant1	2480	1000~26500	2.23	-48.43	≤-17.77	PASS

Test Graphs

