

Appendix: Bluetooth LE

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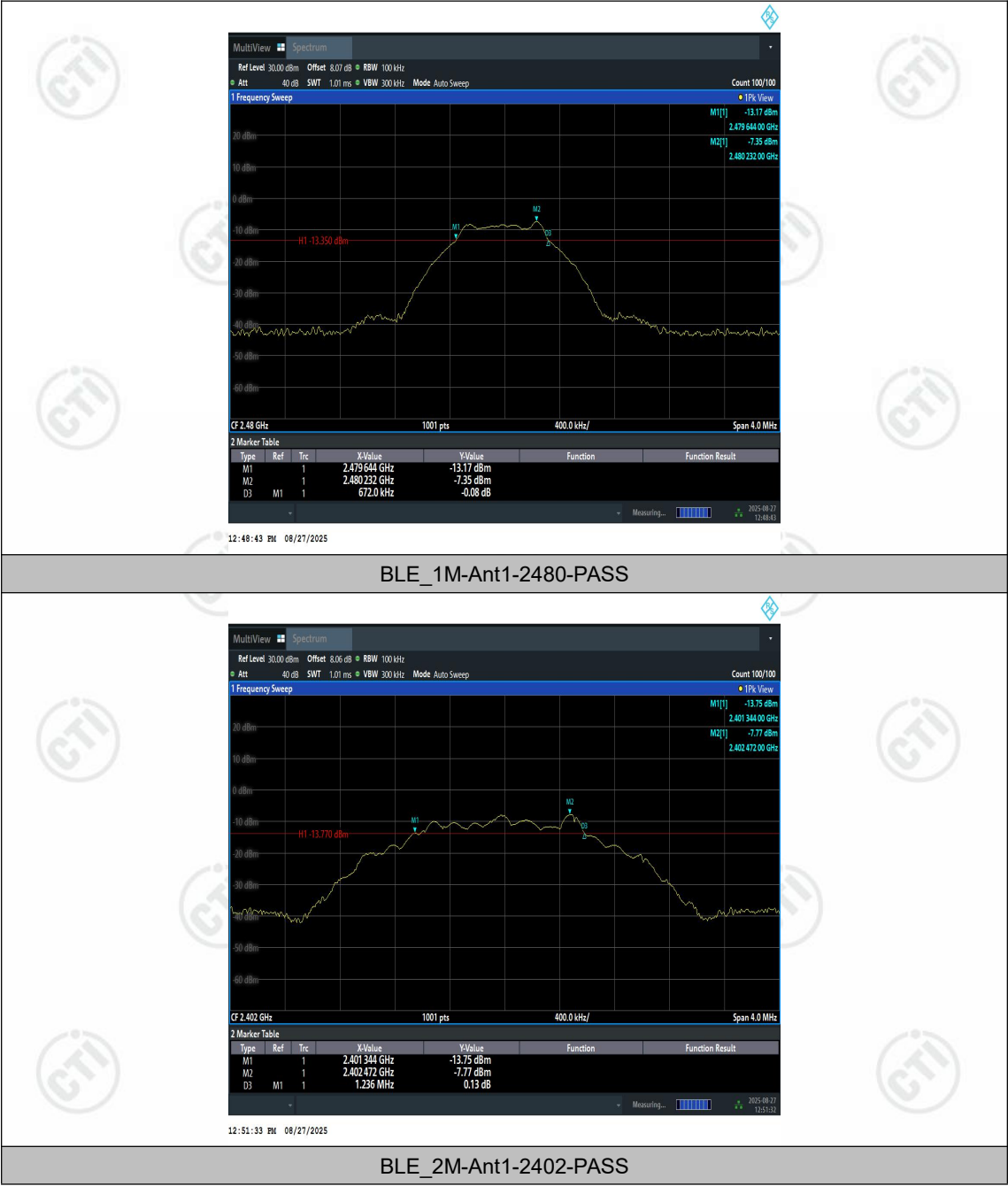
Appendix A: DTS Bandwidth

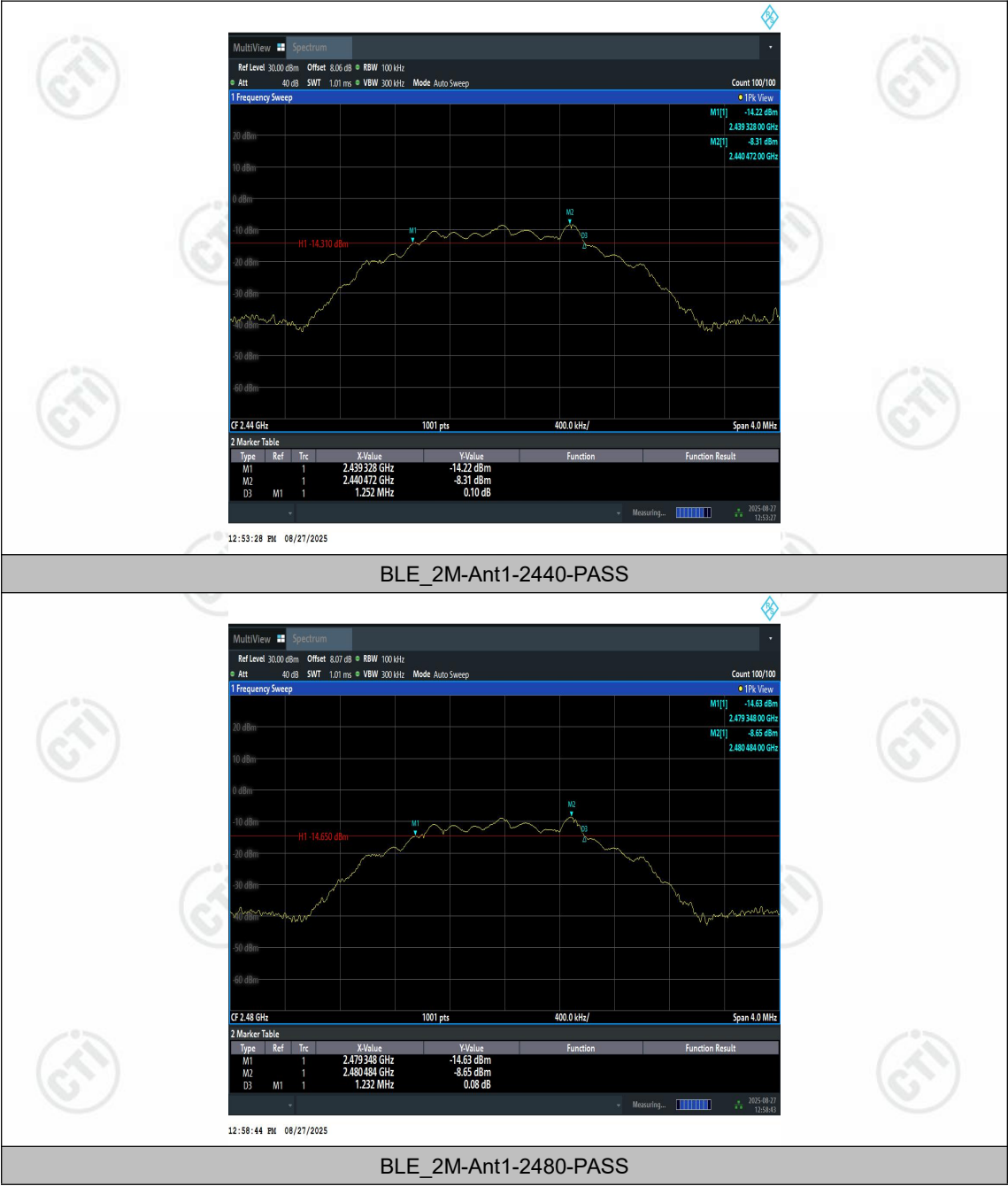
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.64	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.65	2440.31	0.5	PASS
BLE_1M	Ant1	2480	0.67	2479.64	2480.32	0.5	PASS
BLE_2M	Ant1	2402	1.24	2401.34	2402.58	0.5	PASS
BLE_2M	Ant1	2440	1.25	2439.33	2440.58	0.5	PASS
BLE_2M	Ant1	2480	1.23	2479.35	2480.58	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	1.0449	2401.4671	2402.5120	---	---
BLE_1M	Ant1	2440	1.0745	2439.4368	2440.5113	---	---
BLE_1M	Ant1	2480	1.0424	2479.4624	2480.5049	---	---
BLE_2M	Ant1	2402	2.0697	2400.9650	2403.0346	---	---
BLE_2M	Ant1	2440	2.0867	2438.9524	2441.0391	---	---
BLE_2M	Ant1	2480	2.0862	2478.9560	2481.0422	---	---

Test Graphs





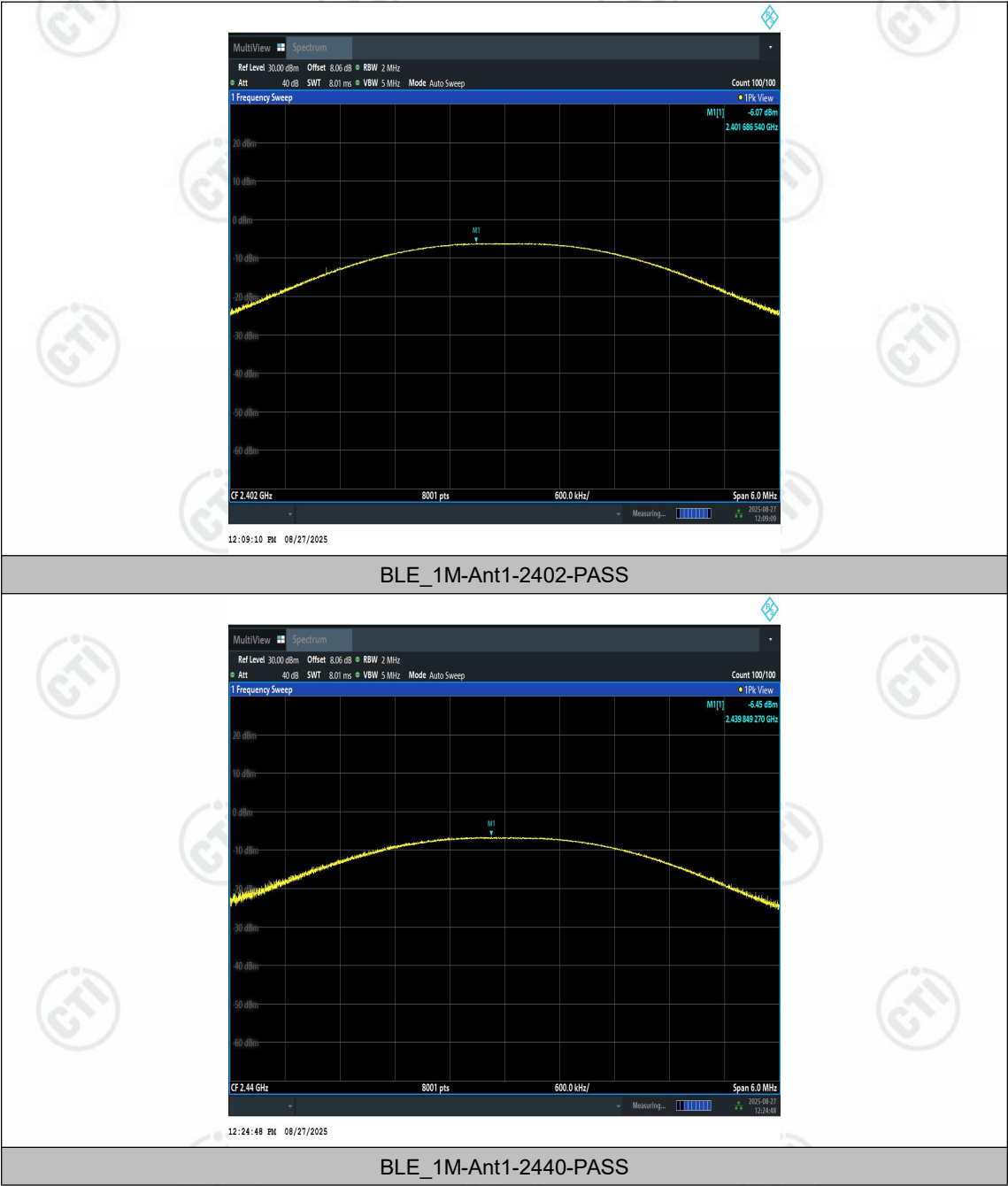


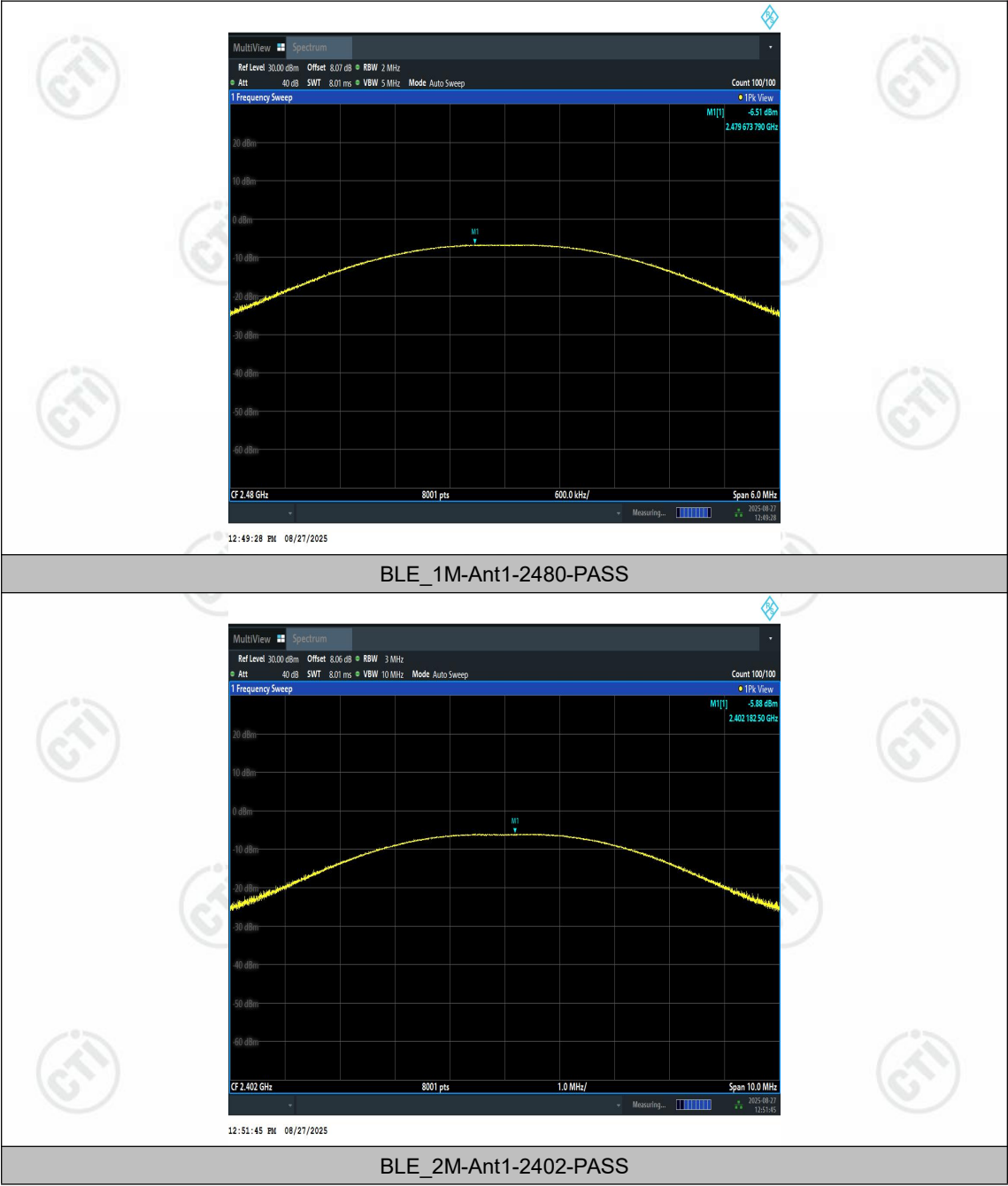
Appendix C: Maximum conducted output power

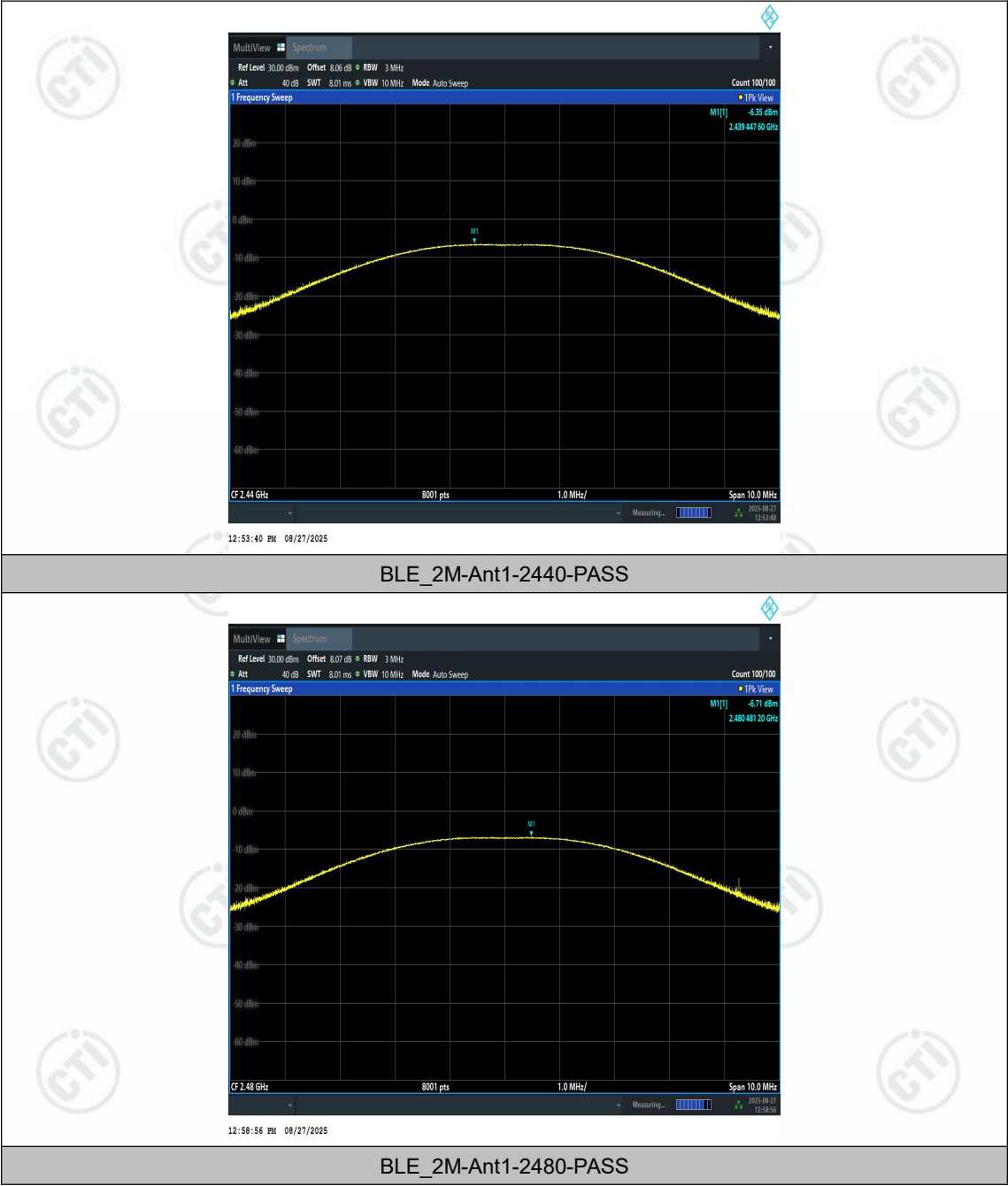
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-6.07	≤30	-0.91	≤36	PASS
BLE_1M	Ant1	2440	-6.45	≤30	-1.29	≤36	PASS
BLE_1M	Ant1	2480	-6.51	≤30	-1.35	≤36	PASS
BLE_2M	Ant1	2402	-5.88	≤30	-0.72	≤36	PASS
BLE_2M	Ant1	2440	-6.35	≤30	-1.19	≤36	PASS
BLE_2M	Ant1	2480	-6.71	≤30	-1.55	≤36	PASS

Test Graphs Peak





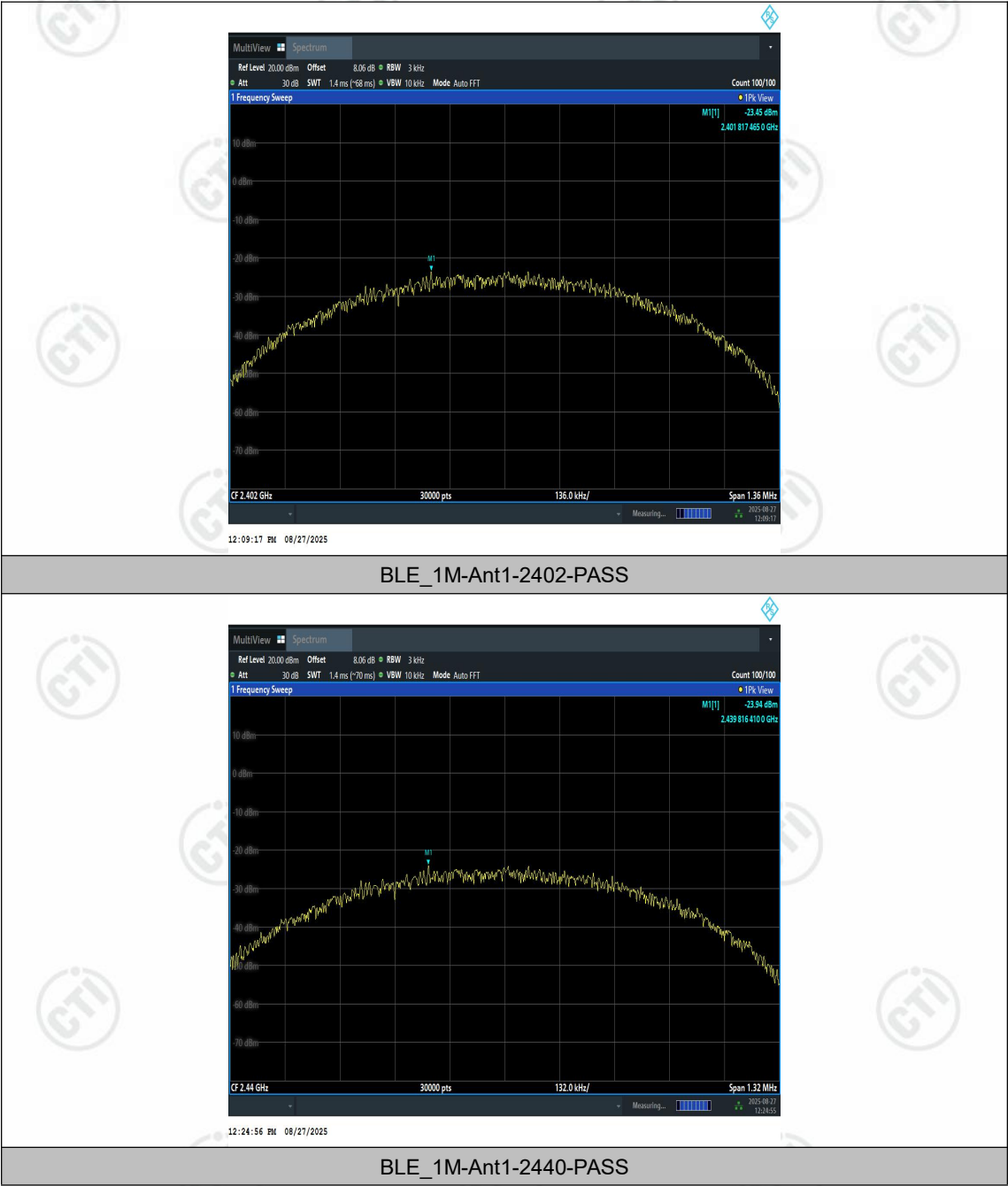


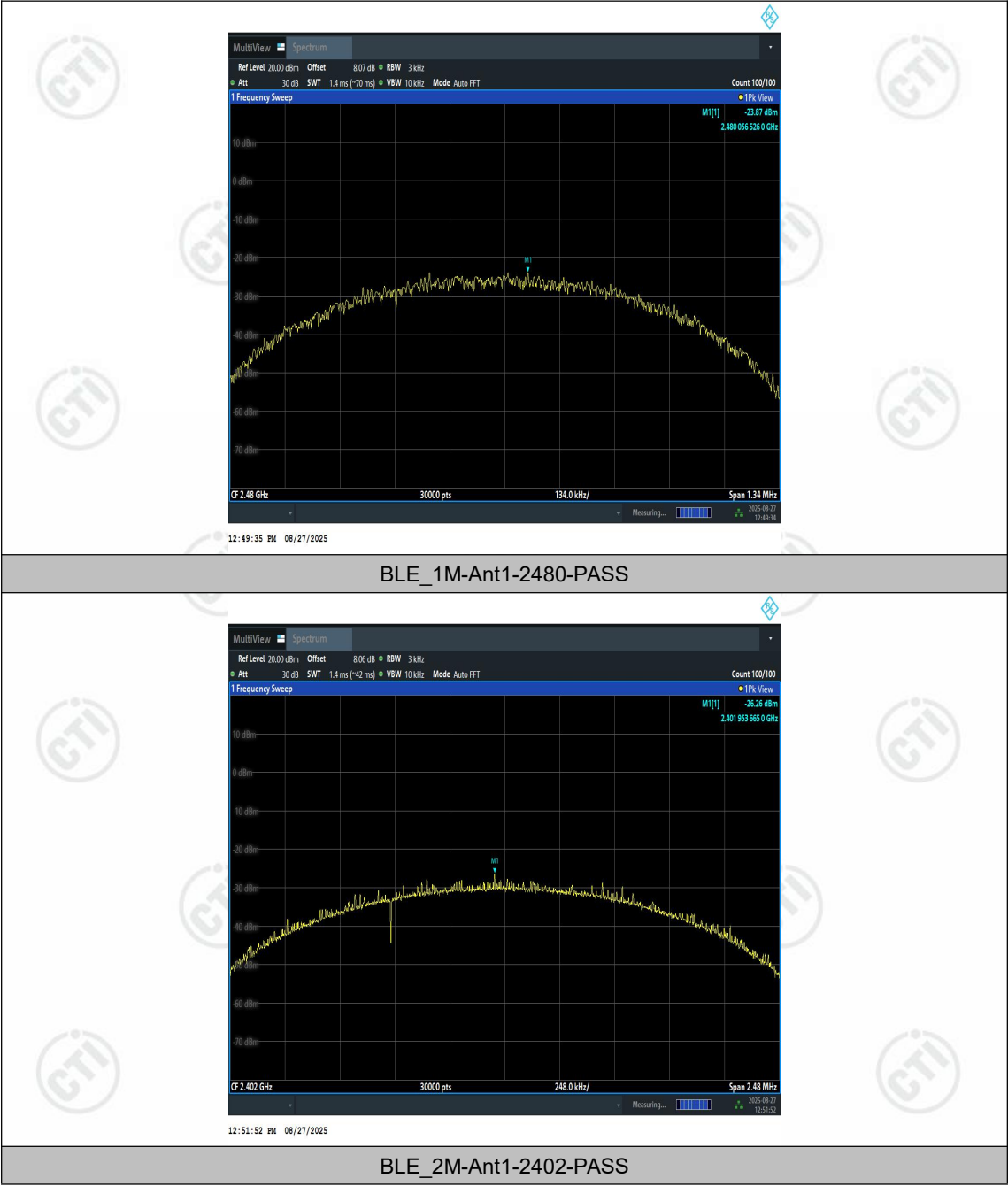
Appendix D: Maximum power spectral density

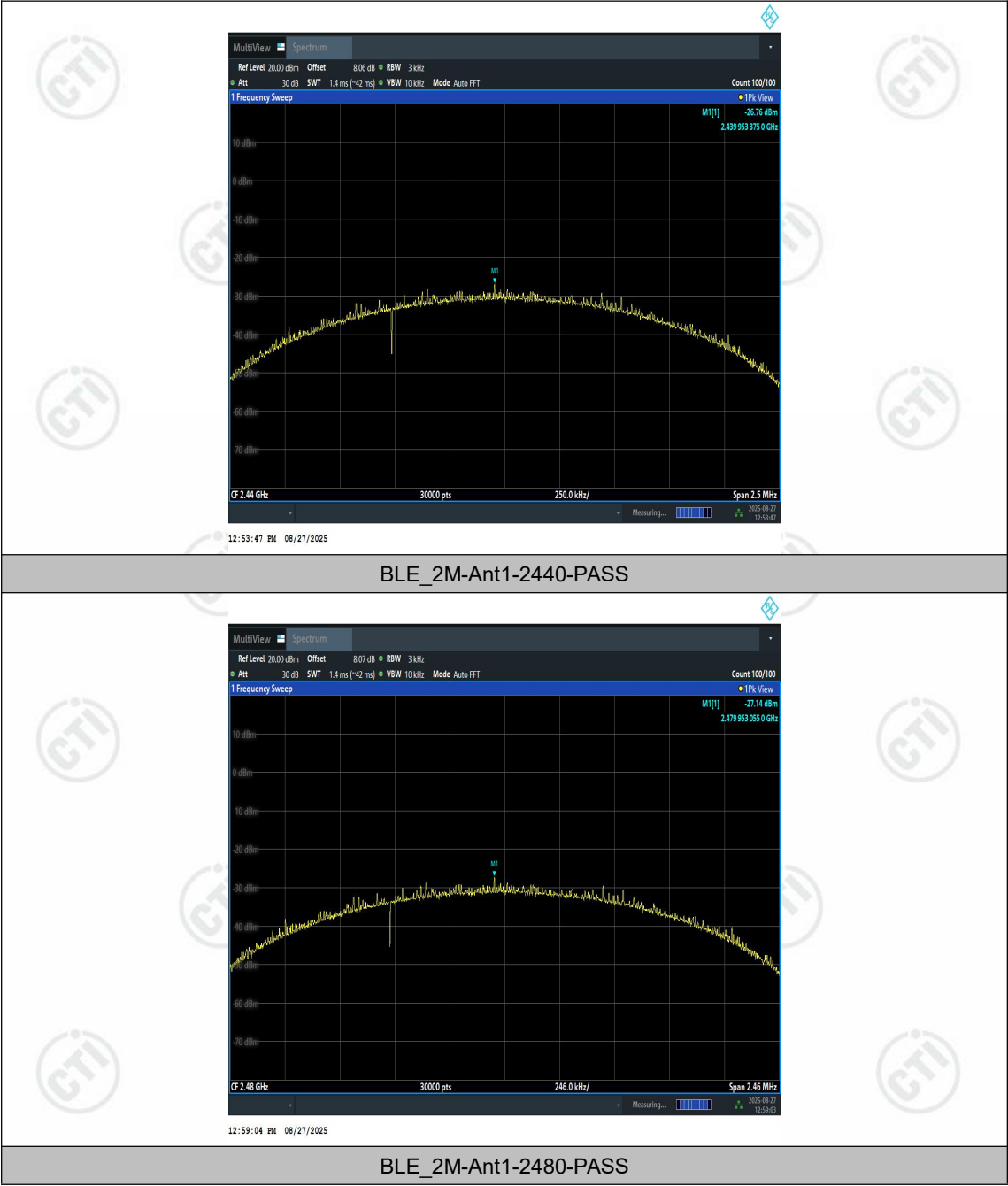
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-23.45	≤8.00	PASS
BLE_1M	Ant1	2440	-23.94	≤8.00	PASS
BLE_1M	Ant1	2480	-23.87	≤8.00	PASS
BLE_2M	Ant1	2402	-26.26	≤8.00	PASS
BLE_2M	Ant1	2440	-26.76	≤8.00	PASS
BLE_2M	Ant1	2480	-27.14	≤8.00	PASS

Test Graphs







Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-6.67	-50.07	≤-26.67	PASS
BLE_1M	Ant1	High	2480	-7.33	-49.89	≤-27.33	PASS
BLE_2M	Ant1	Low	2402	-7.86	-40.01	≤-27.86	PASS
BLE_2M	Ant1	High	2480	-8.95	-49.83	≤-28.95	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	-6.56	-6.56	---	PASS
BLE_1M	Ant1	2402	30~1000	-6.56	-50.15	≤-26.56	PASS
BLE_1M	Ant1	2402	1000~26500	-6.56	-49.06	≤-26.56	PASS
BLE_1M	Ant1	2440	0~Reference	-7.52	-7.52	---	PASS
BLE_1M	Ant1	2440	30~1000	-7.52	-53.79	≤-27.52	PASS
BLE_1M	Ant1	2440	1000~26500	-7.52	-49.1	≤-27.52	PASS
BLE_1M	Ant1	2480	0~Reference	-7.42	-7.42	---	PASS
BLE_1M	Ant1	2480	30~1000	-7.42	-50.25	≤-27.42	PASS
BLE_1M	Ant1	2480	1000~26500	-7.42	-48.73	≤-27.42	PASS
BLE_2M	Ant1	2402	0~Reference	-7.79	-7.79	---	PASS
BLE_2M	Ant1	2402	30~1000	-7.79	-53.9	≤-27.79	PASS
BLE_2M	Ant1	2402	1000~26500	-7.79	-48.99	≤-27.79	PASS
BLE_2M	Ant1	2440	0~Reference	-8.59	-8.59	---	PASS
BLE_2M	Ant1	2440	30~1000	-8.59	-54.29	≤-28.59	PASS
BLE_2M	Ant1	2440	1000~26500	-8.59	-49.58	≤-28.59	PASS
BLE_2M	Ant1	2480	0~Reference	-8.52	-8.52	---	PASS
BLE_2M	Ant1	2480	30~1000	-8.52	-54.13	≤-28.52	PASS
BLE_2M	Ant1	2480	1000~26500	-8.52	-49.88	≤-28.52	PASS

Test Graphs

