

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	0.80	2401.59	2402.39	0.5	PASS
BLE_1M	Ant1	2440	0.81	2439.60	2440.41	0.5	PASS
BLE_1M	Ant1	2480	0.82	2479.58	2480.40	0.5	PASS
BLE_2M	Ant1	2402	1.50	2401.26	2402.75	0.5	PASS
BLE_2M	Ant1	2440	1.54	2439.26	2440.80	0.5	PASS
BLE_2M	Ant1	2480	1.44	2479.24	2480.68	0.5	PASS

Test Graphs





BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1031	2401.4433	2402.5464	---	---
BLE_1M	Ant1	2440	1.1115	2439.4366	2440.5481	---	---
BLE_1M	Ant1	2480	1.1108	2479.4360	2480.5467	---	---
BLE_2M	Ant1	2402	2.1815	2400.8947	2403.0762	---	---
BLE_2M	Ant1	2440	2.1570	2438.9038	2441.0608	---	---
BLE_2M	Ant1	2480	2.1962	2478.8916	2481.0878	---	---

Test Graphs





BLE_1M-Ant1-2480



BLE_2M-Ant1-2402

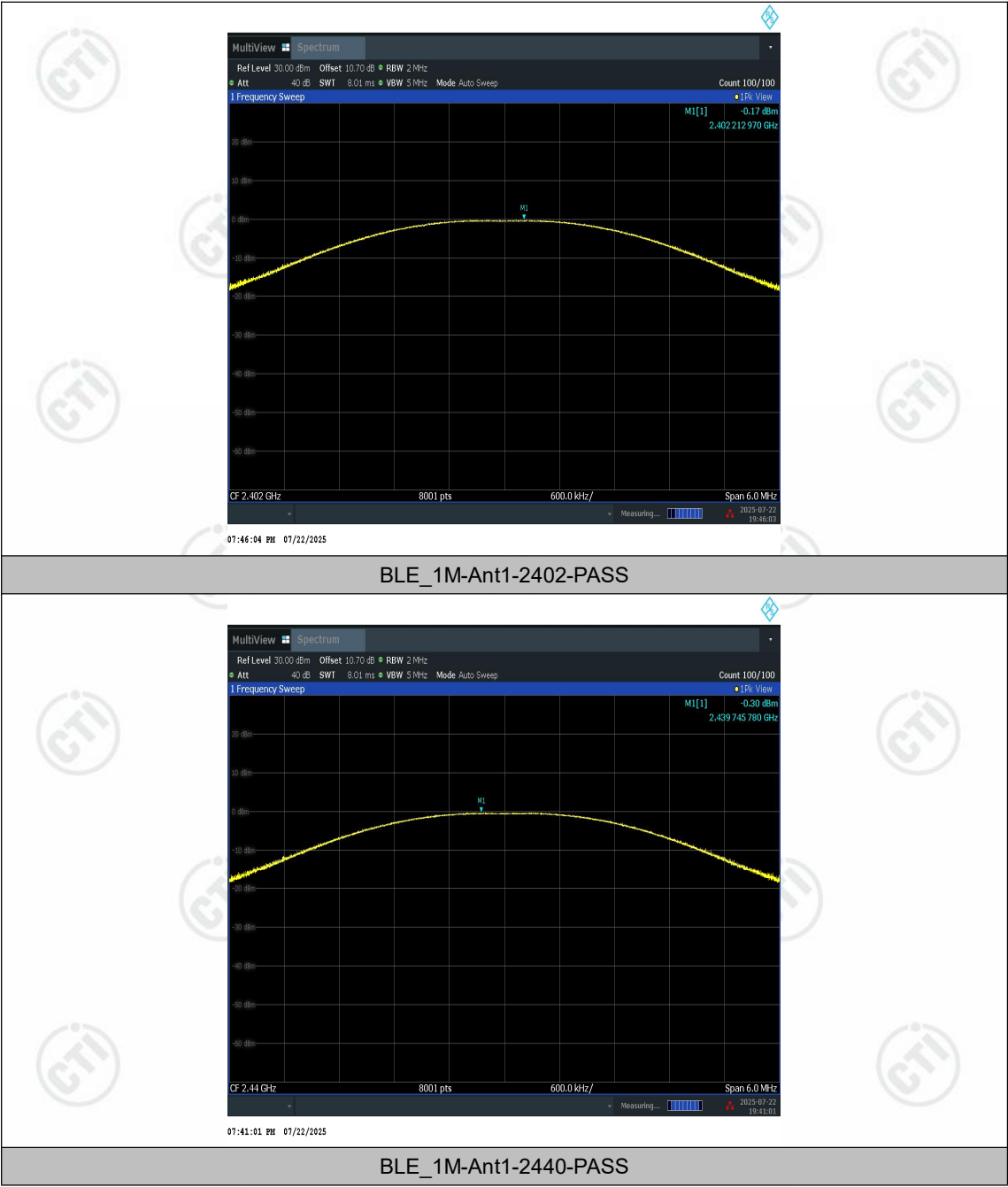


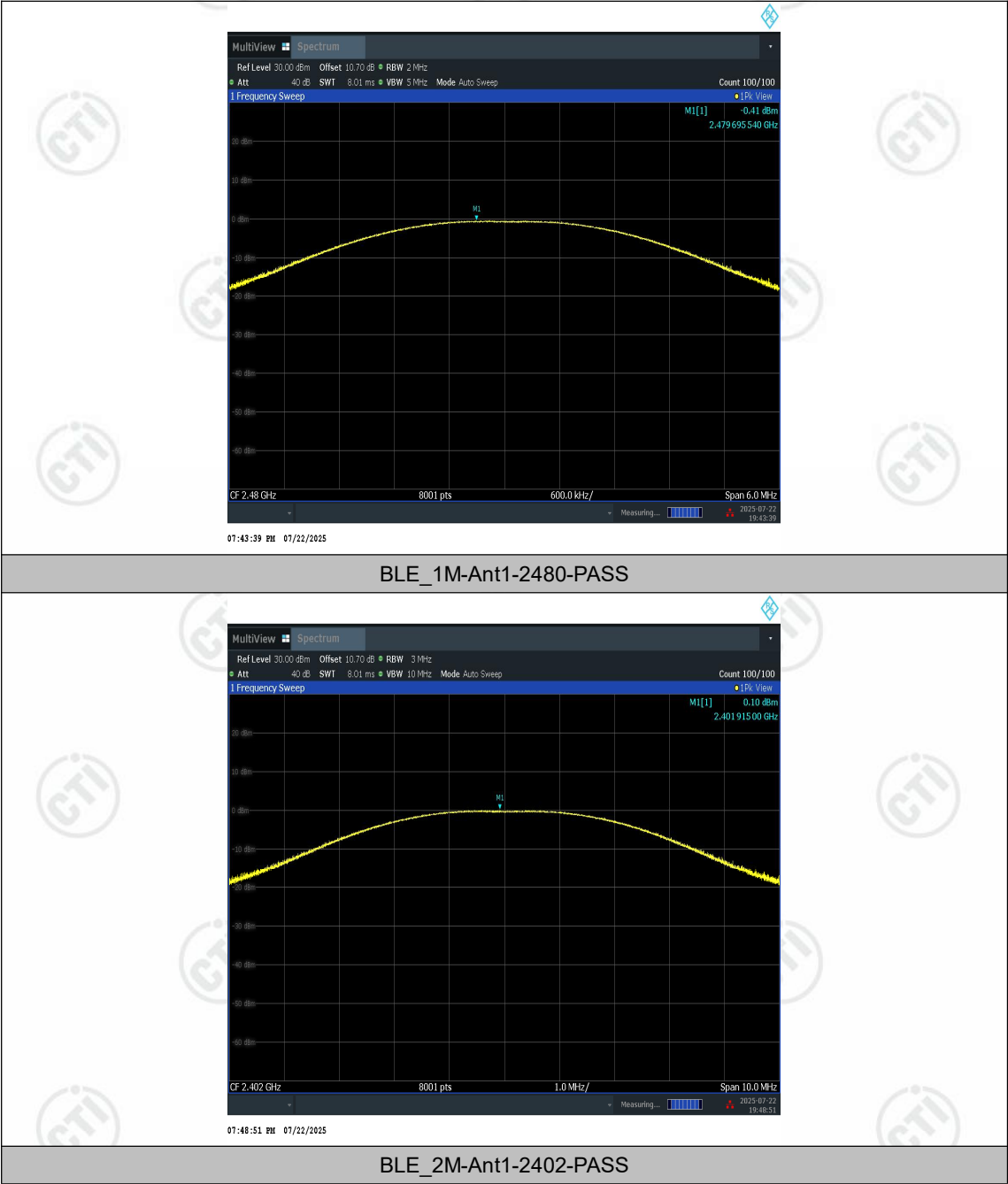
Appendix C: Maximum conducted output power

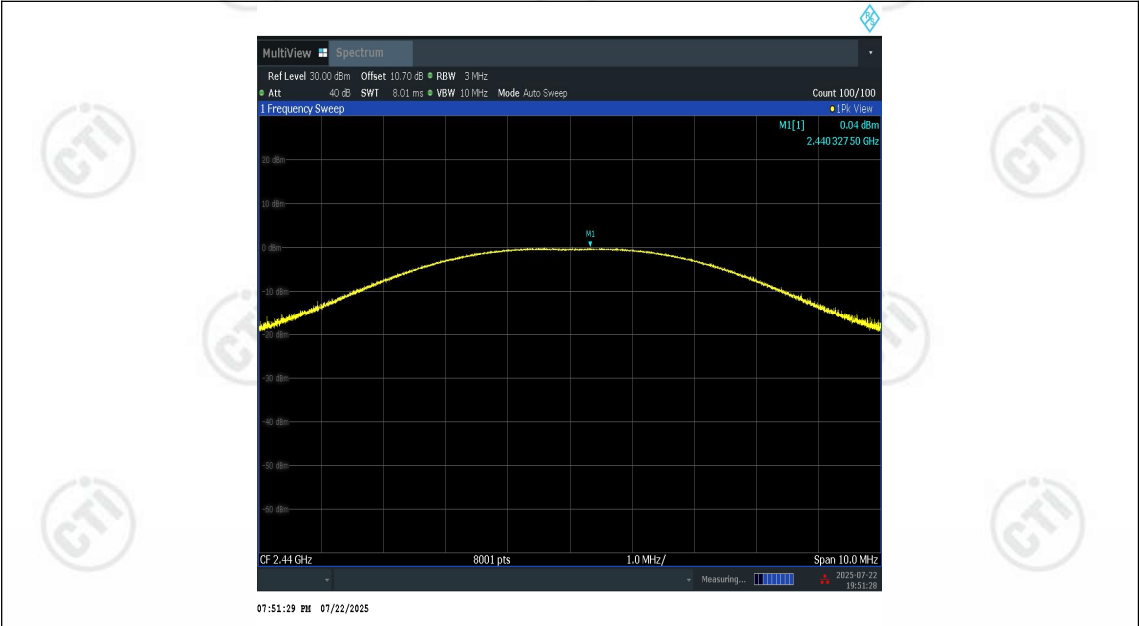
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.17	≤30	1.53	≤36	PASS
BLE_1M	Ant1	2440	-0.30	≤30	1.40	≤36	PASS
BLE_1M	Ant1	2480	-0.41	≤30	1.29	≤36	PASS
BLE_2M	Ant1	2402	0.10	≤30	1.80	≤36	PASS
BLE_2M	Ant1	2440	0.04	≤30	1.74	≤36	PASS
BLE_2M	Ant1	2480	-0.21	≤30	1.49	≤36	PASS

Test Graphs Peak







BLE_2M-Ant1-2440-PASS



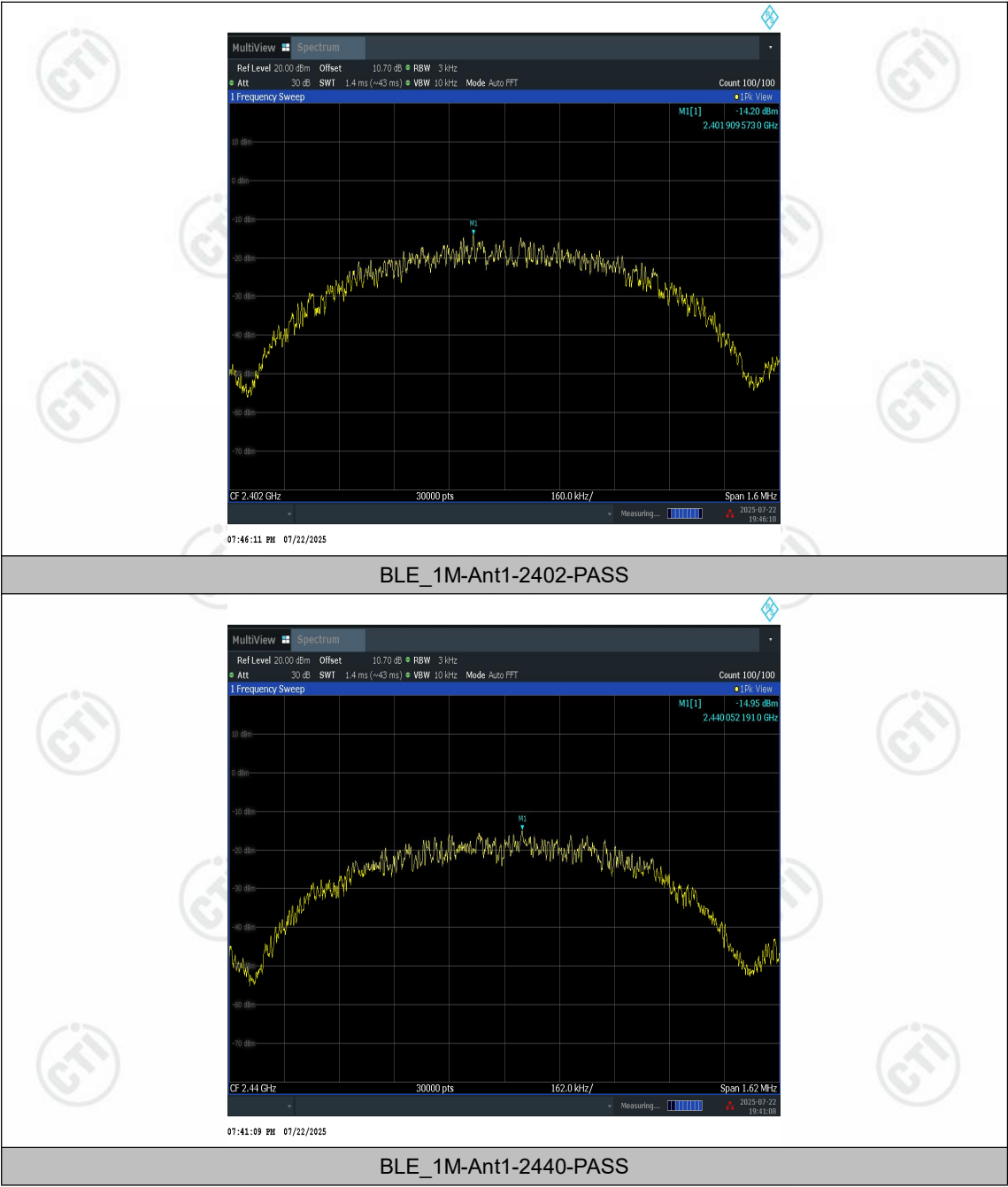
BLE_2M-Ant1-2480-PASS

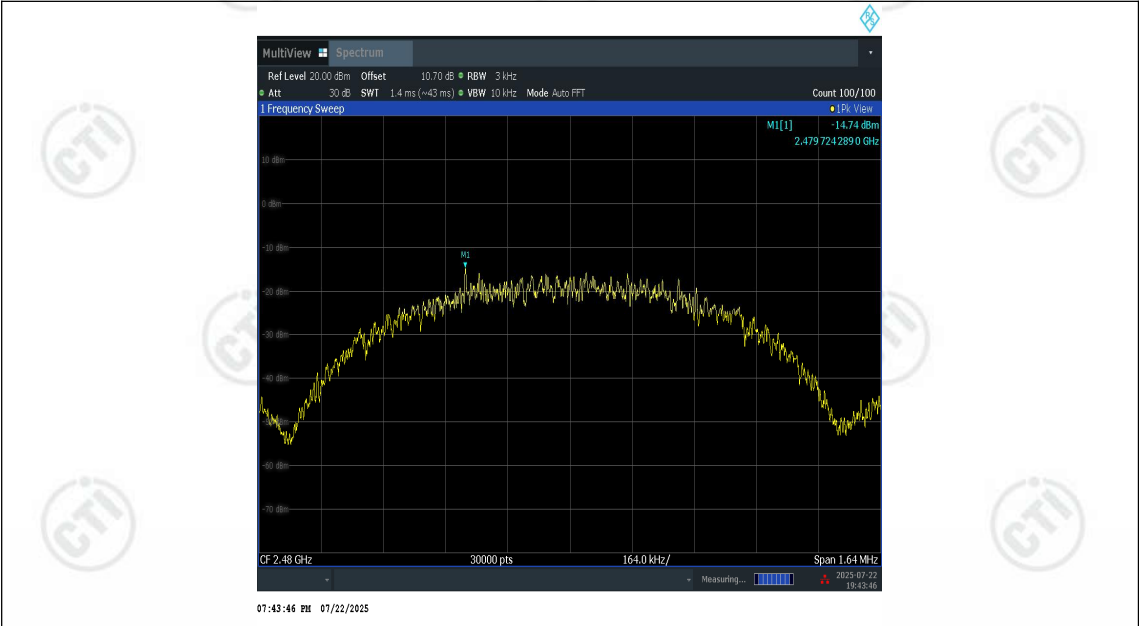
Appendix D: Maximum power spectral density

Test Result

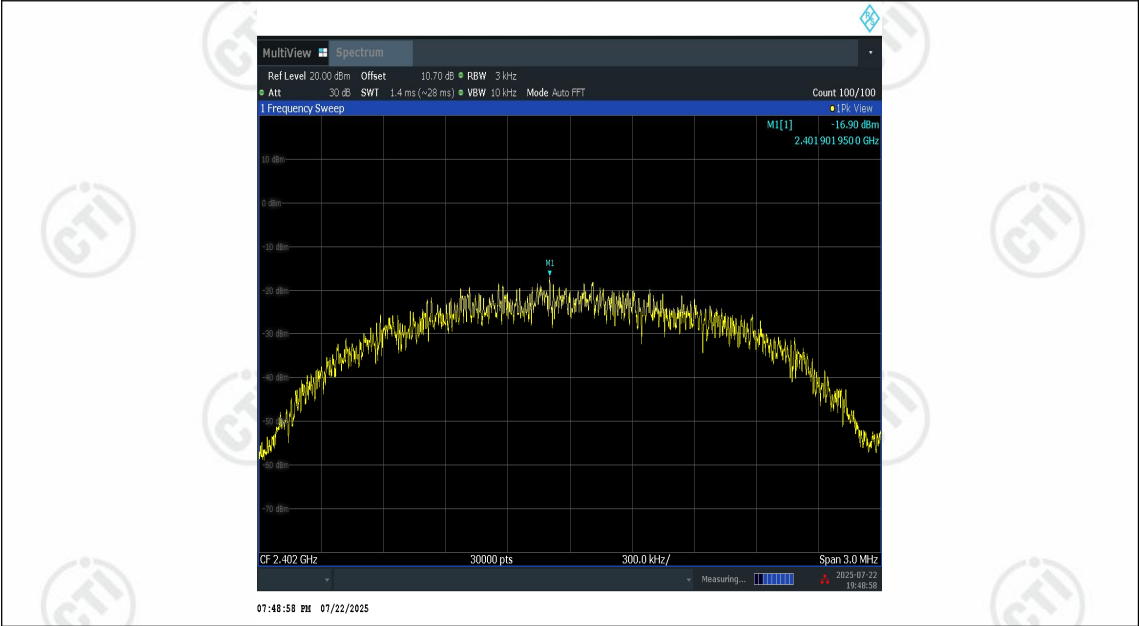
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.20	≤8.00	PASS
BLE_1M	Ant1	2440	-14.95	≤8.00	PASS
BLE_1M	Ant1	2480	-14.74	≤8.00	PASS
BLE_2M	Ant1	2402	-16.90	≤8.00	PASS
BLE_2M	Ant1	2440	-16.86	≤8.00	PASS
BLE_2M	Ant1	2480	-16.89	≤8.00	PASS

Test Graphs

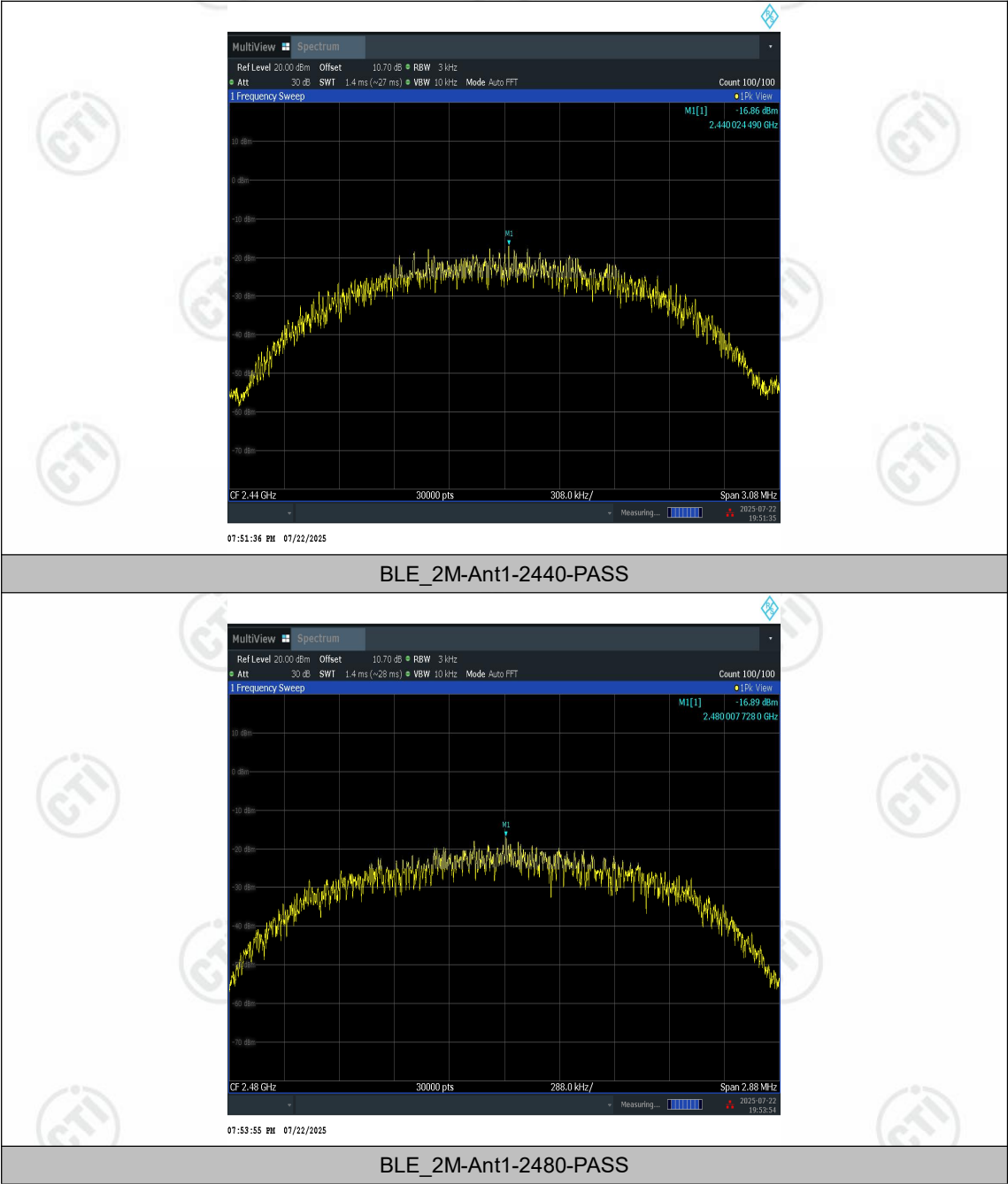




BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.30	-44.07	≤-21.3	PASS
BLE_1M	Ant1	High	2480	-1.28	-43.37	≤-21.28	PASS
BLE_2M	Ant1	Low	2402	-2.86	-33.17	≤-22.86	PASS
BLE_2M	Ant1	High	2480	-3.38	-43.33	≤-23.38	PASS

Test Graphs

