

Appendix: Bluetooth LE

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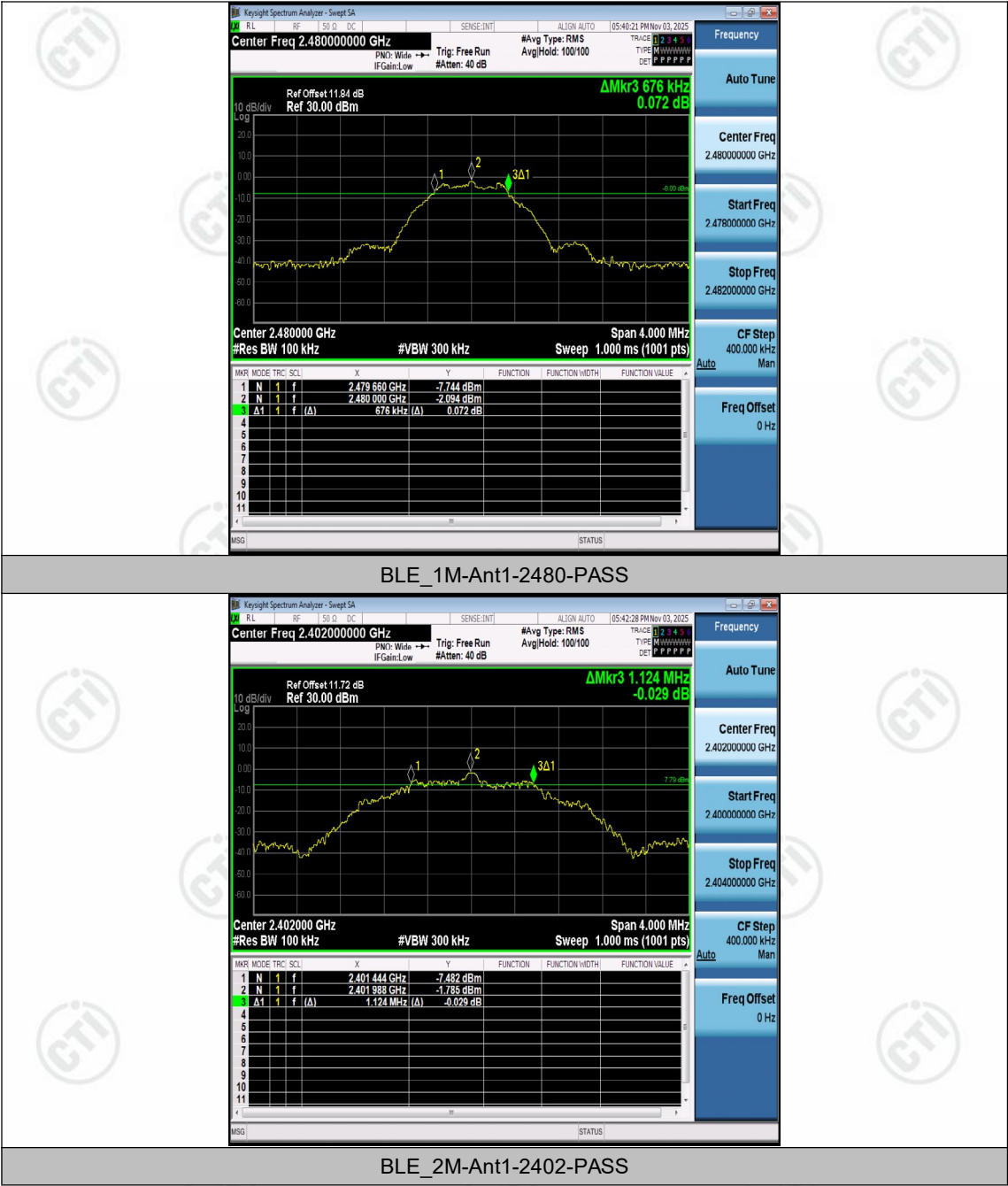
Appendix A: DTS Bandwidth

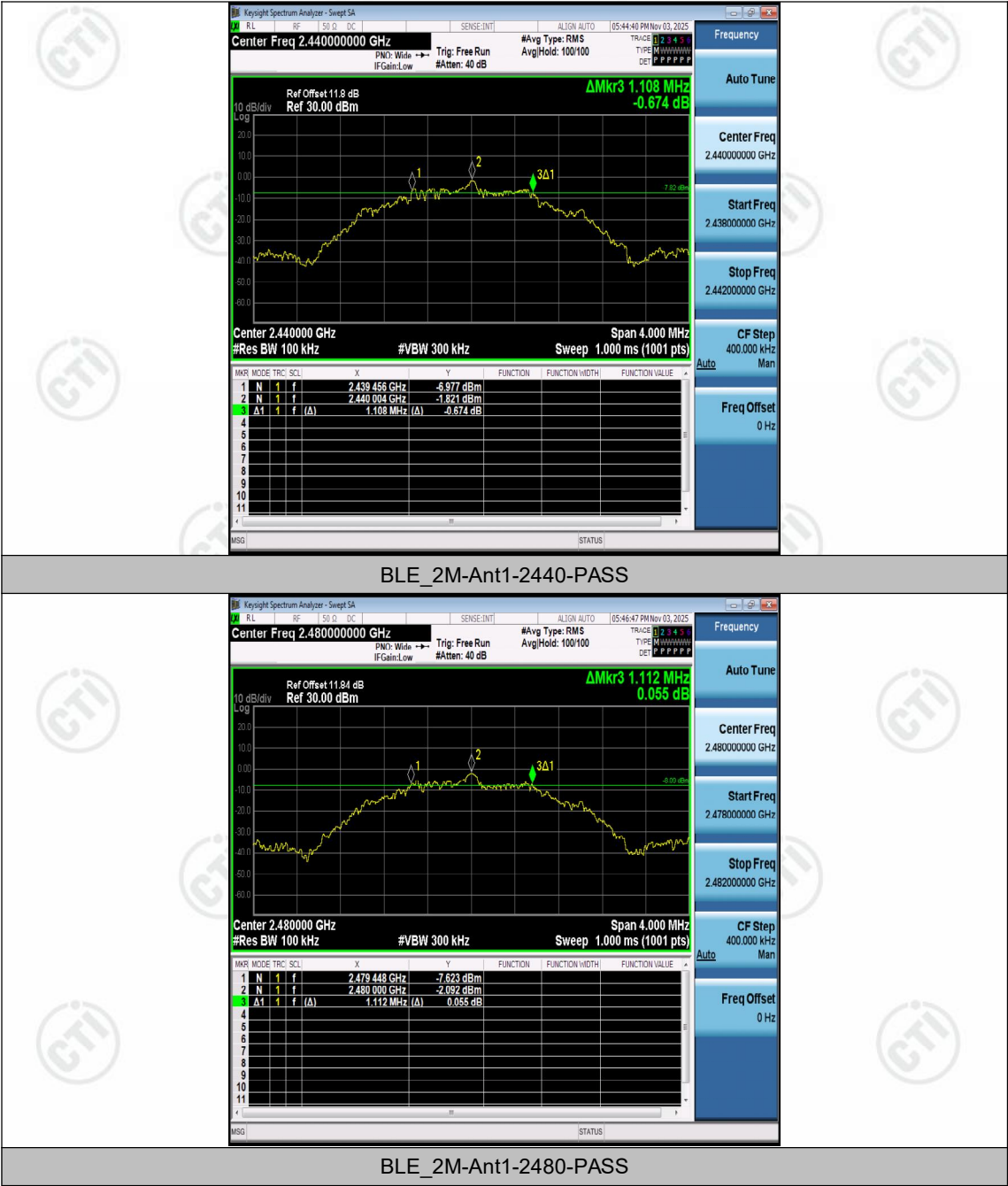
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.672	2401.672	2402.344	0.5	PASS
BLE_1M	Ant1	2440	0.672	2439.668	2440.340	0.5	PASS
BLE_1M	Ant1	2480	0.676	2479.660	2480.336	0.5	PASS
BLE_2M	Ant1	2402	1.124	2401.444	2402.568	0.5	PASS
BLE_2M	Ant1	2440	1.108	2439.456	2440.564	0.5	PASS
BLE_2M	Ant1	2480	1.112	2479.448	2480.560	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	1.0489	2401.4848	2402.5337	---	---
BLE_1M	Ant1	2440	1.0471	2439.4849	2440.5320	---	---
BLE_1M	Ant1	2480	1.0566	2479.4812	2480.5378	---	---
BLE_2M	Ant1	2402	2.0268	2401.0087	2403.0355	---	---
BLE_2M	Ant1	2440	2.0499	2438.9970	2441.0469	---	---
BLE_2M	Ant1	2480	2.0689	2478.9843	2481.0532	---	---

Test Graphs





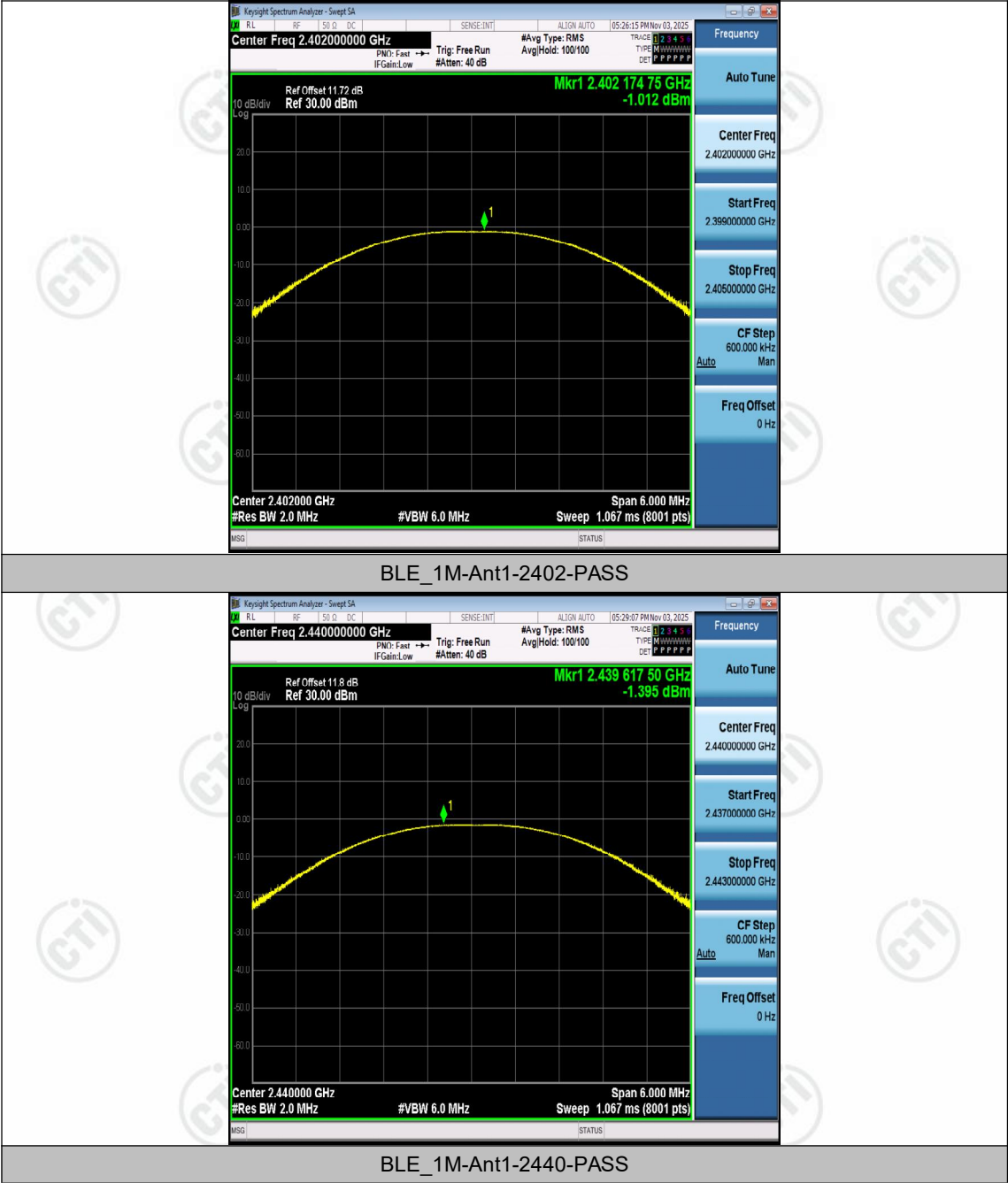


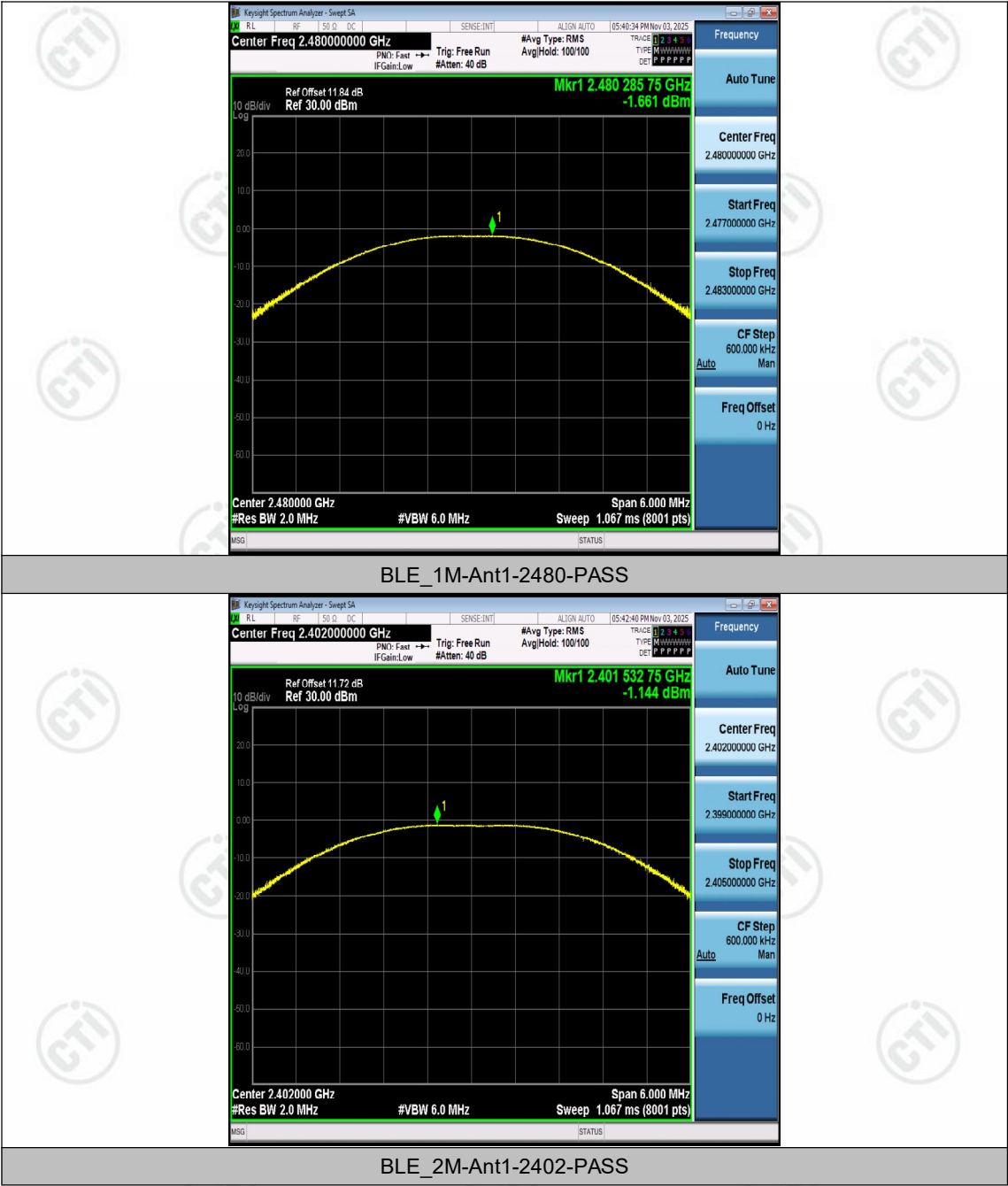
Appendix C: Maximum conducted output power

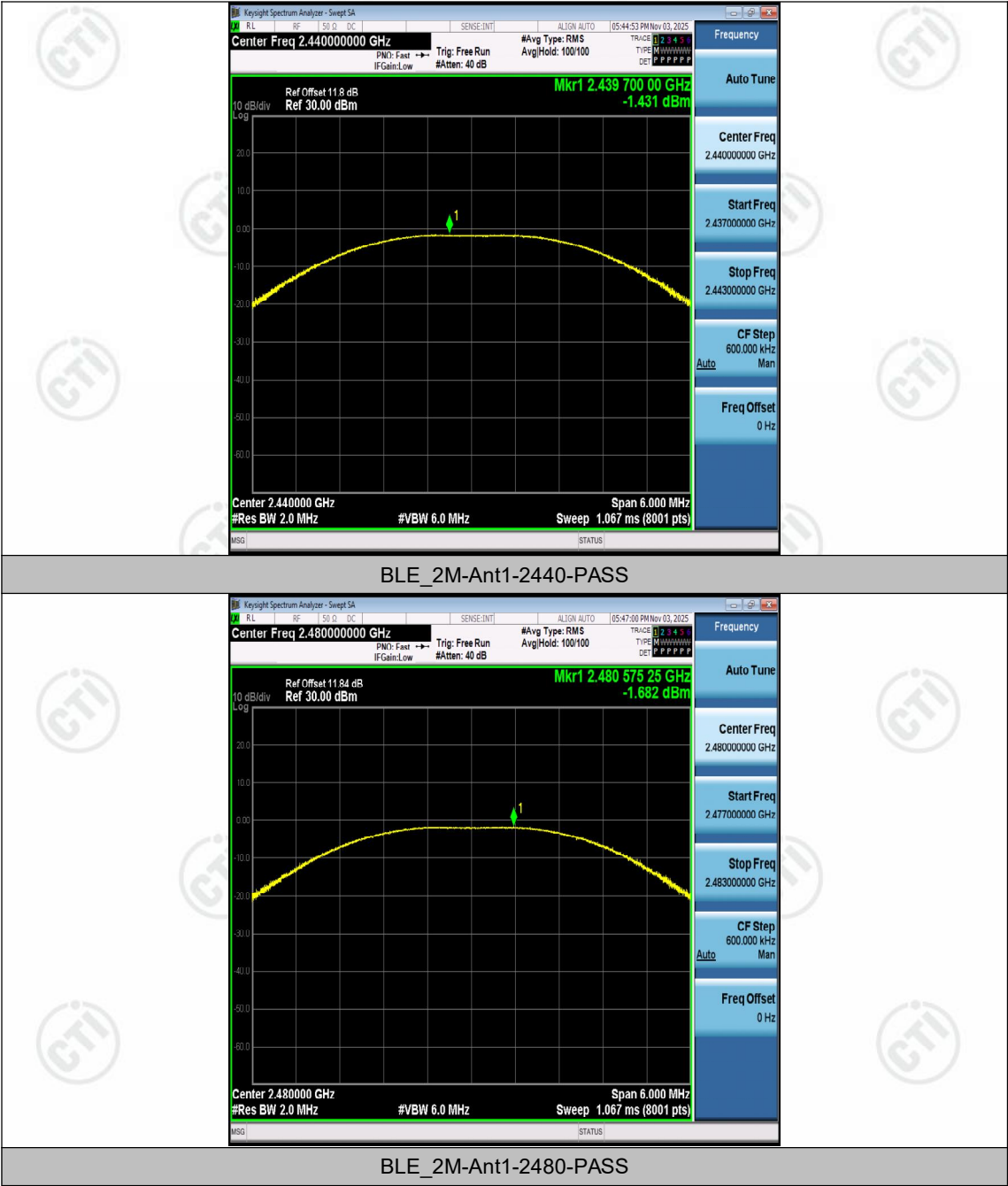
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.01	≤30	PASS
BLE_1M	Ant1	2440	-1.40	≤30	PASS
BLE_1M	Ant1	2480	-1.66	≤30	PASS
BLE_2M	Ant1	2402	-1.14	≤30	PASS
BLE_2M	Ant1	2440	-1.43	≤30	PASS
BLE_2M	Ant1	2480	-1.68	≤30	PASS

Test Graphs Peak





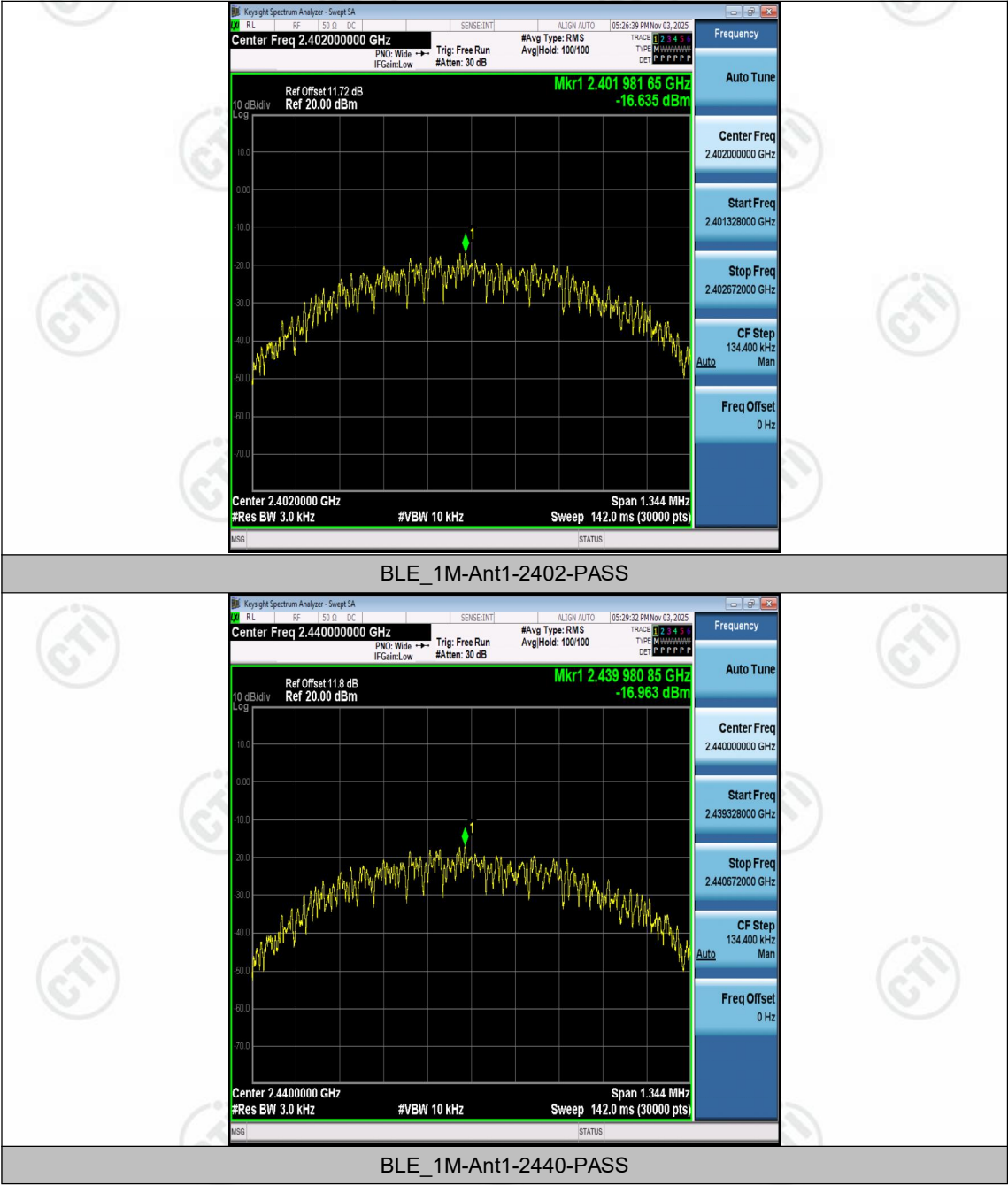


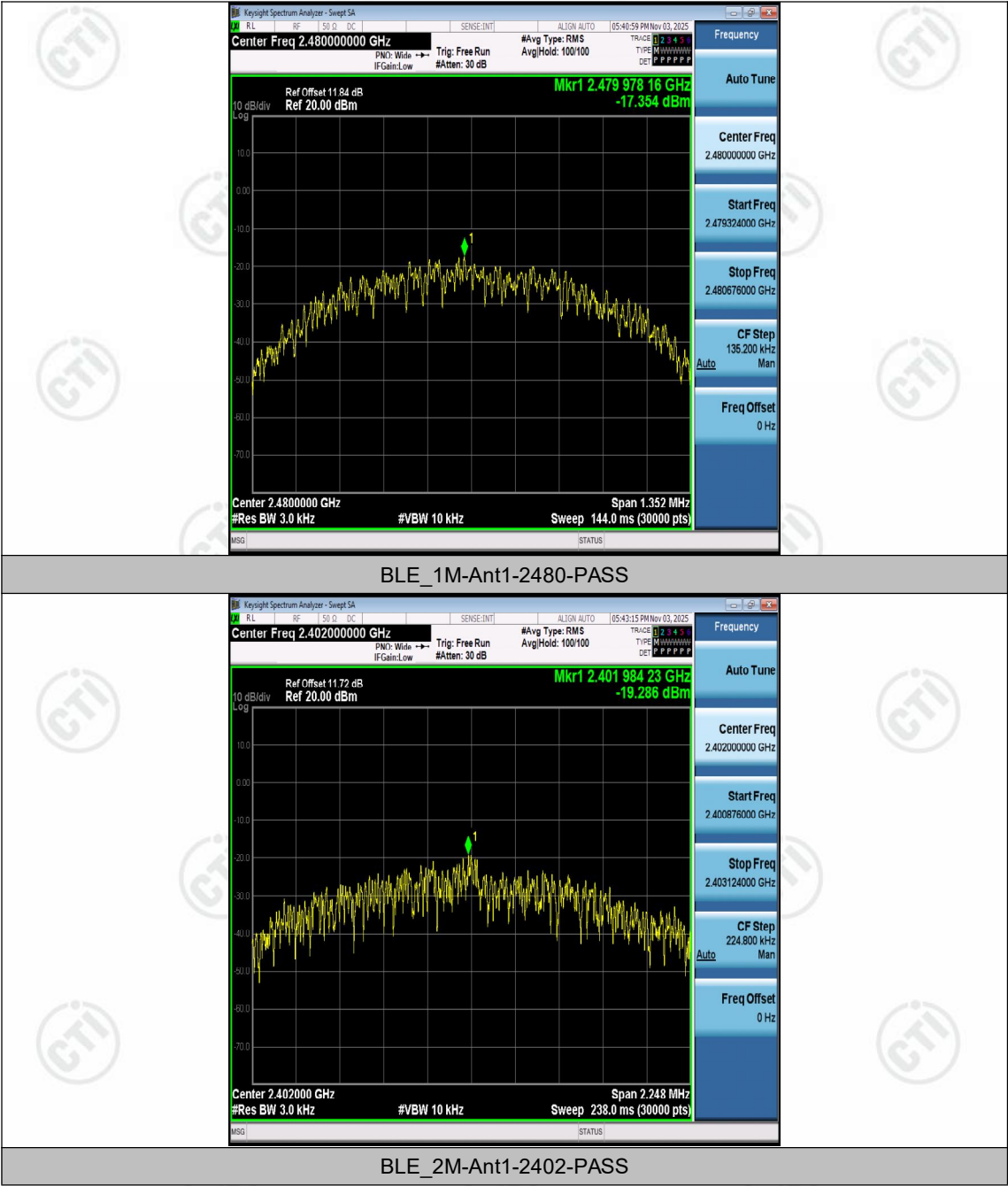
Appendix D: Maximum power spectral density

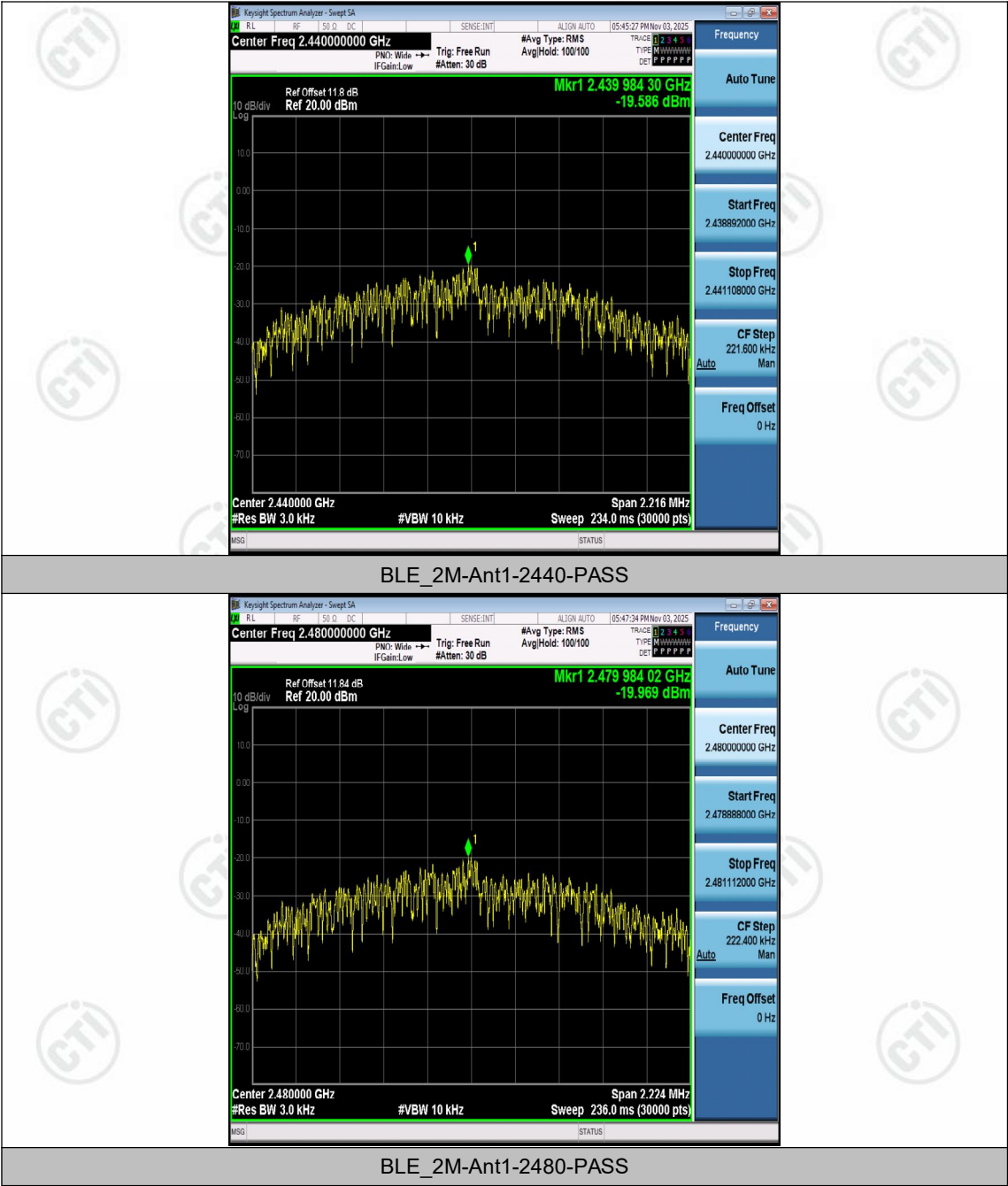
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.64	≤8.00	PASS
BLE_1M	Ant1	2440	-16.96	≤8.00	PASS
BLE_1M	Ant1	2480	-17.35	≤8.00	PASS
BLE_2M	Ant1	2402	-19.29	≤8.00	PASS
BLE_2M	Ant1	2440	-19.59	≤8.00	PASS
BLE_2M	Ant1	2480	-19.97	≤8.00	PASS

Test Graphs





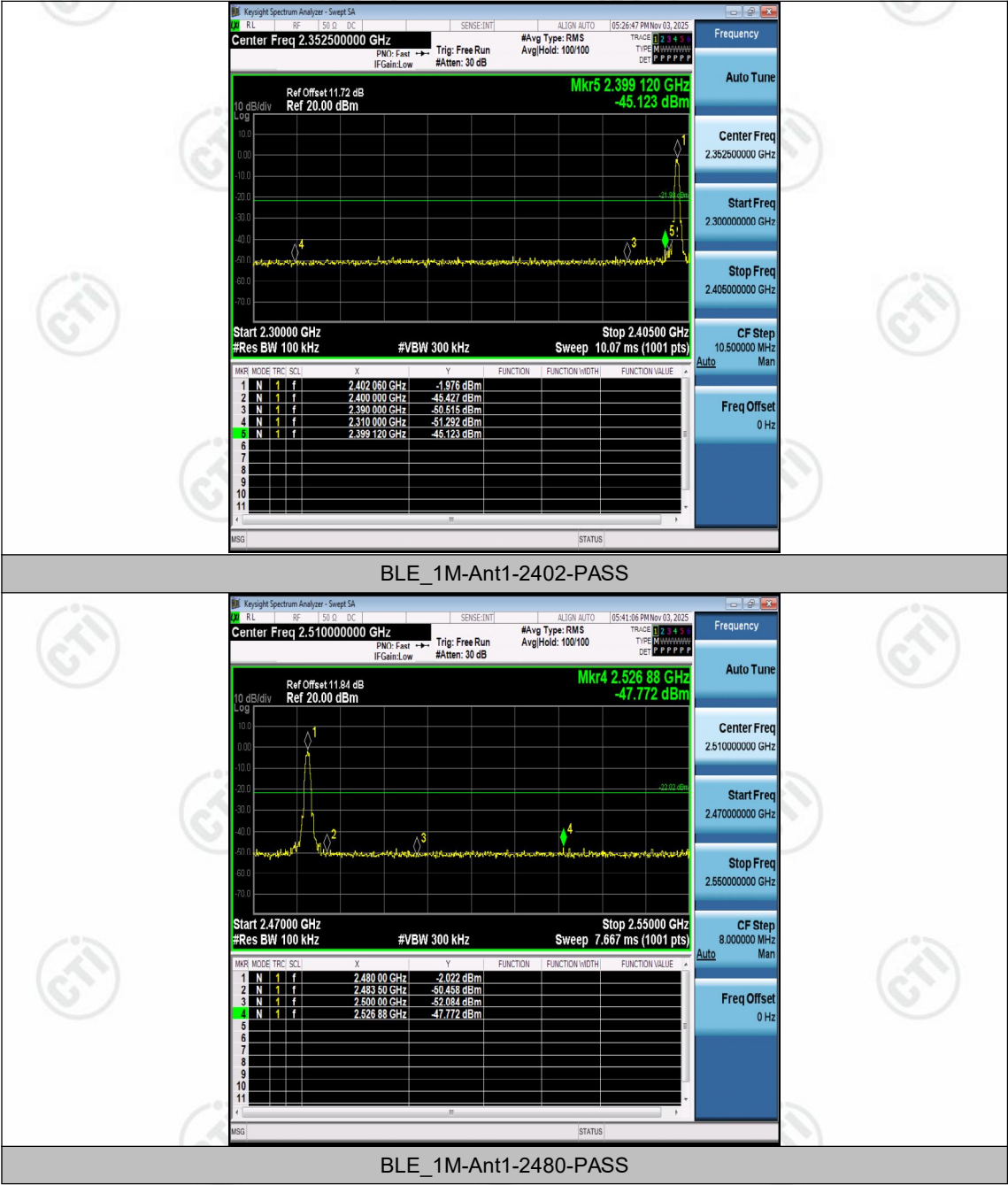


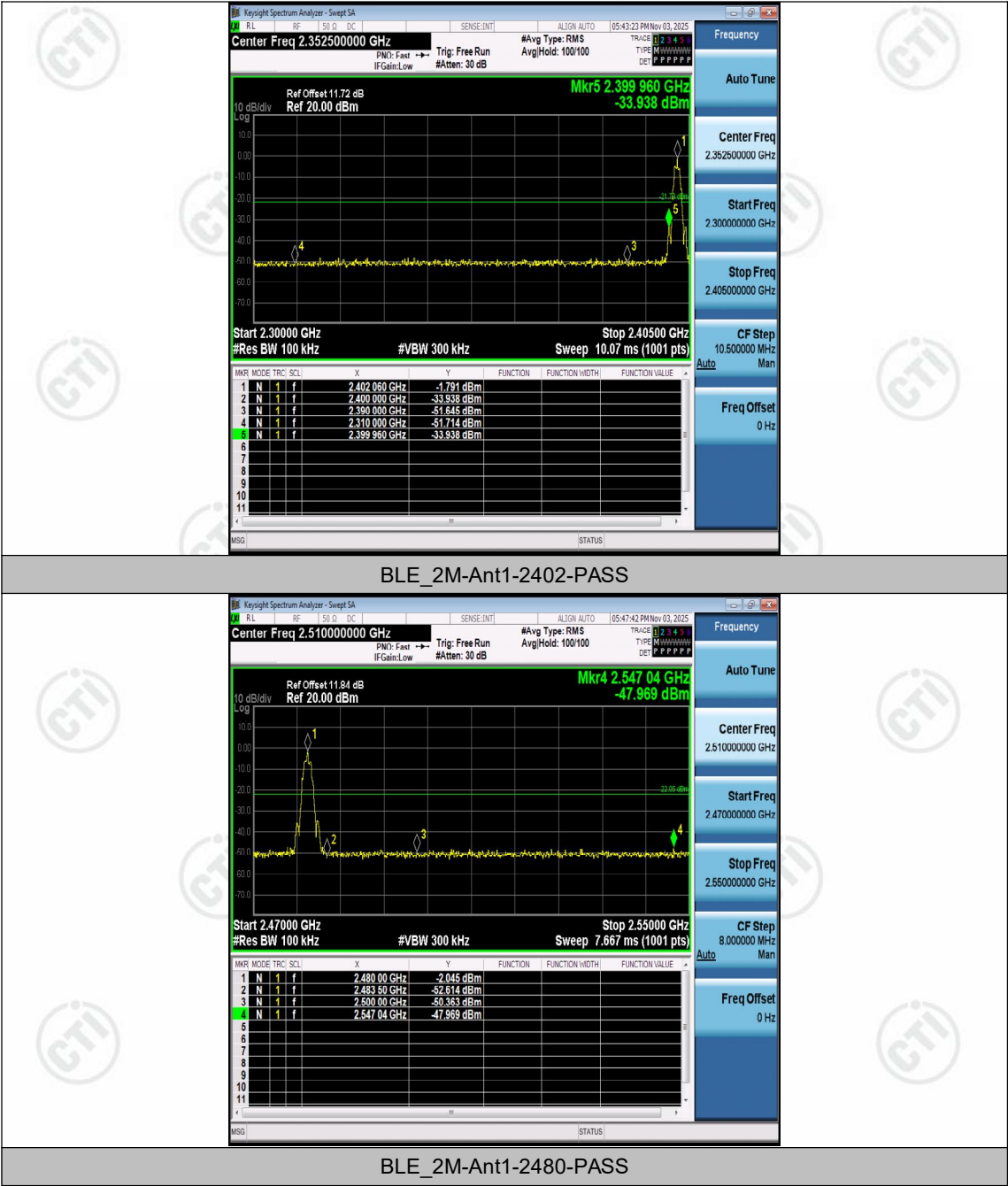
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.98	-45.12	≤-21.98	PASS
BLE_1M	Ant1	High	2480	-2.02	-47.77	≤-22.02	PASS
BLE_2M	Ant1	Low	2402	-1.79	-33.94	≤-21.79	PASS
BLE_2M	Ant1	High	2480	-2.05	-47.97	≤-22.05	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	-2.48	-2.48	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.48	-60.18	≤-22.48	PASS
BLE_1M	Ant1	2402	1000~26500	-2.48	-35.32	≤-22.48	PASS
BLE_1M	Ant1	2440	0~Reference	-3.35	-3.35	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.35	-58.71	≤-23.35	PASS
BLE_1M	Ant1	2440	1000~26500	-3.35	-40.59	≤-23.35	PASS
BLE_1M	Ant1	2480	0~Reference	-3.22	-3.22	---	PASS
BLE_1M	Ant1	2480	30~1000	-3.22	-59.98	≤-23.22	PASS
BLE_1M	Ant1	2480	1000~26500	-3.22	-38.79	≤-23.22	PASS
BLE_2M	Ant1	2402	0~Reference	-5.33	-5.33	---	PASS
BLE_2M	Ant1	2402	30~1000	-5.33	-59.7	≤-25.33	PASS
BLE_2M	Ant1	2402	1000~26500	-5.33	-40.71	≤-25.33	PASS
BLE_2M	Ant1	2440	0~Reference	-4.95	-4.95	---	PASS
BLE_2M	Ant1	2440	30~1000	-4.95	-60.14	≤-24.95	PASS
BLE_2M	Ant1	2440	1000~26500	-4.95	-40.82	≤-24.95	PASS
BLE_2M	Ant1	2480	0~Reference	-5.54	-5.54	---	PASS
BLE_2M	Ant1	2480	30~1000	-5.54	-59.13	≤-25.54	PASS
BLE_2M	Ant1	2480	1000~26500	-5.54	-41.92	≤-25.54	PASS

Test Graphs

