

Appendix:Bluetooth BLE

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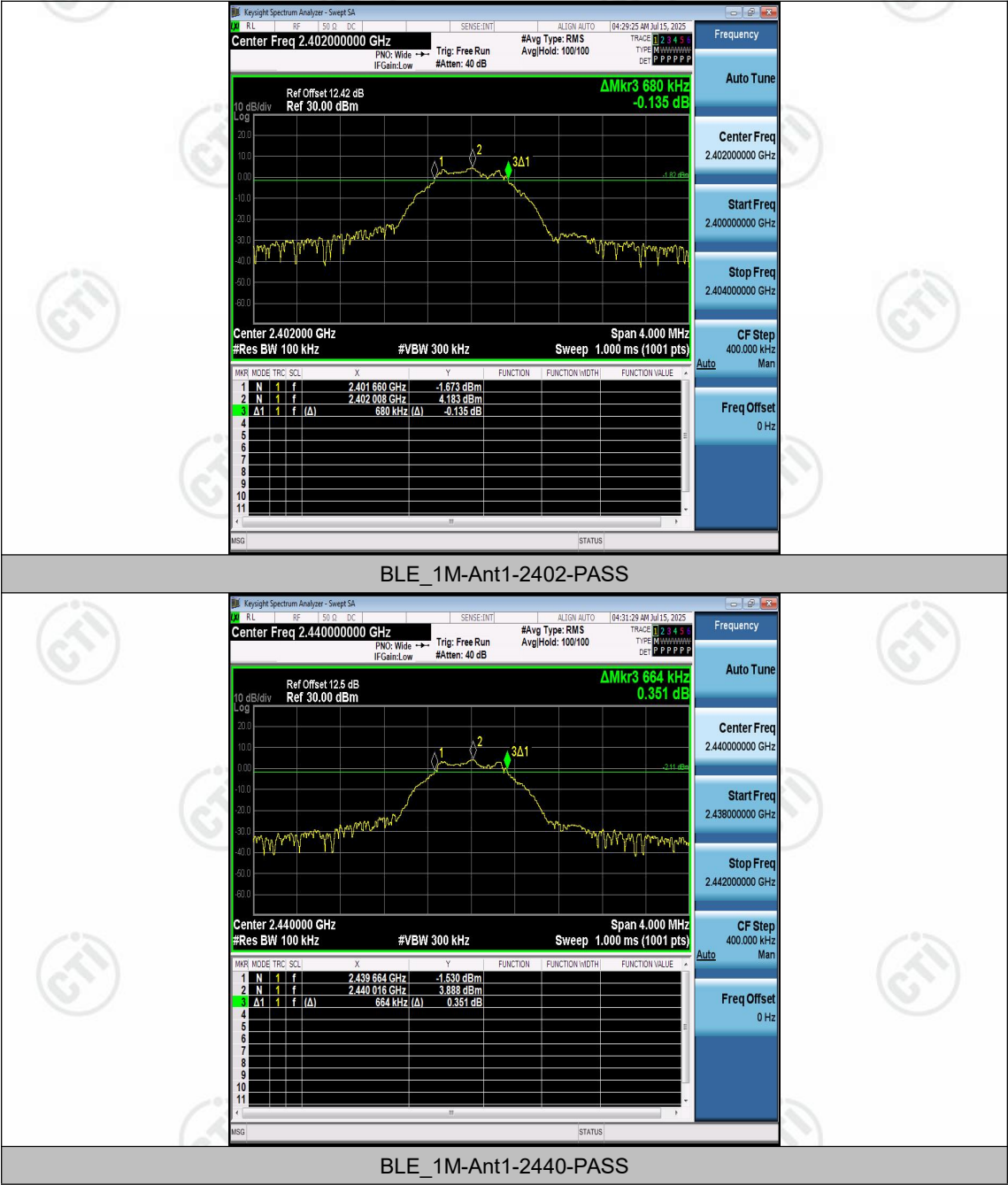
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.680	2401.660	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.664	2440.328	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.672	2480.344	0.5	PASS

Test Graphs



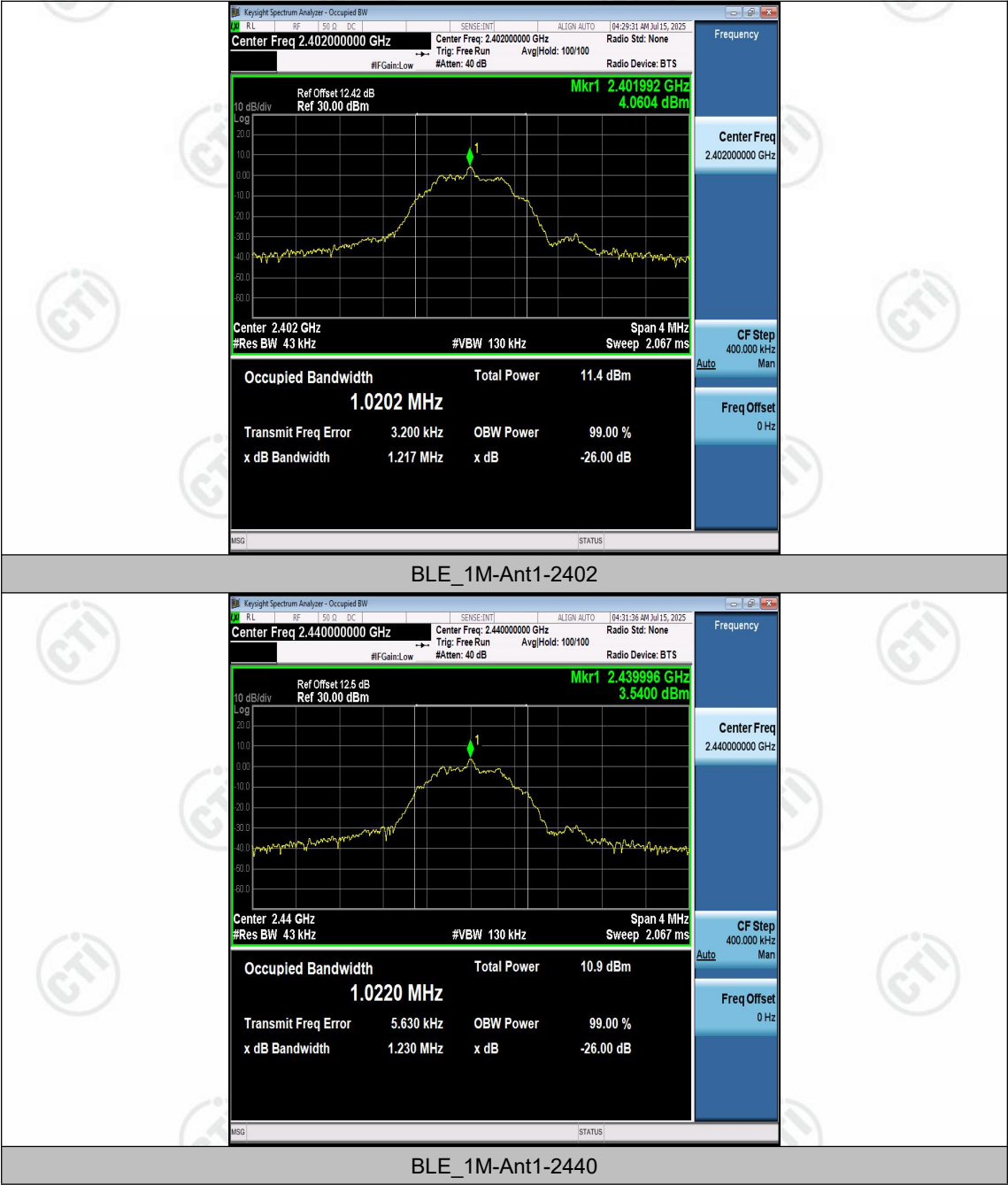


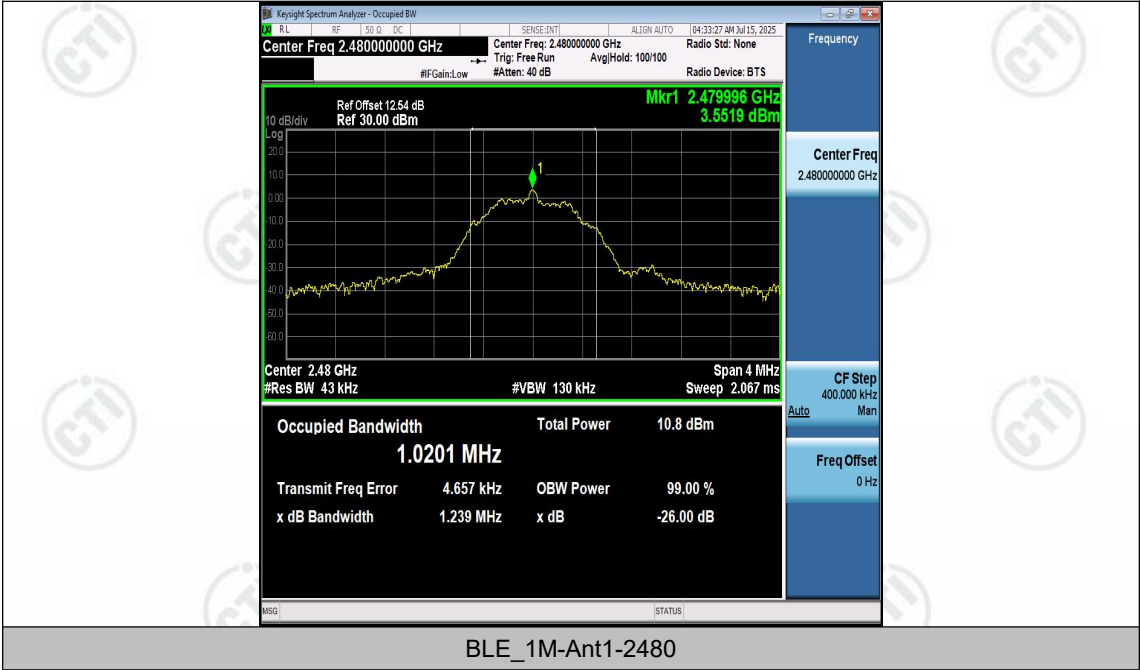
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0202	2401.4931	2402.5133	---	---
BLE_1M	Ant1	2440	1.0220	2439.4946	2440.5166	---	---
BLE_1M	Ant1	2480	1.0201	2479.4946	2480.5147	---	---

Test Graphs





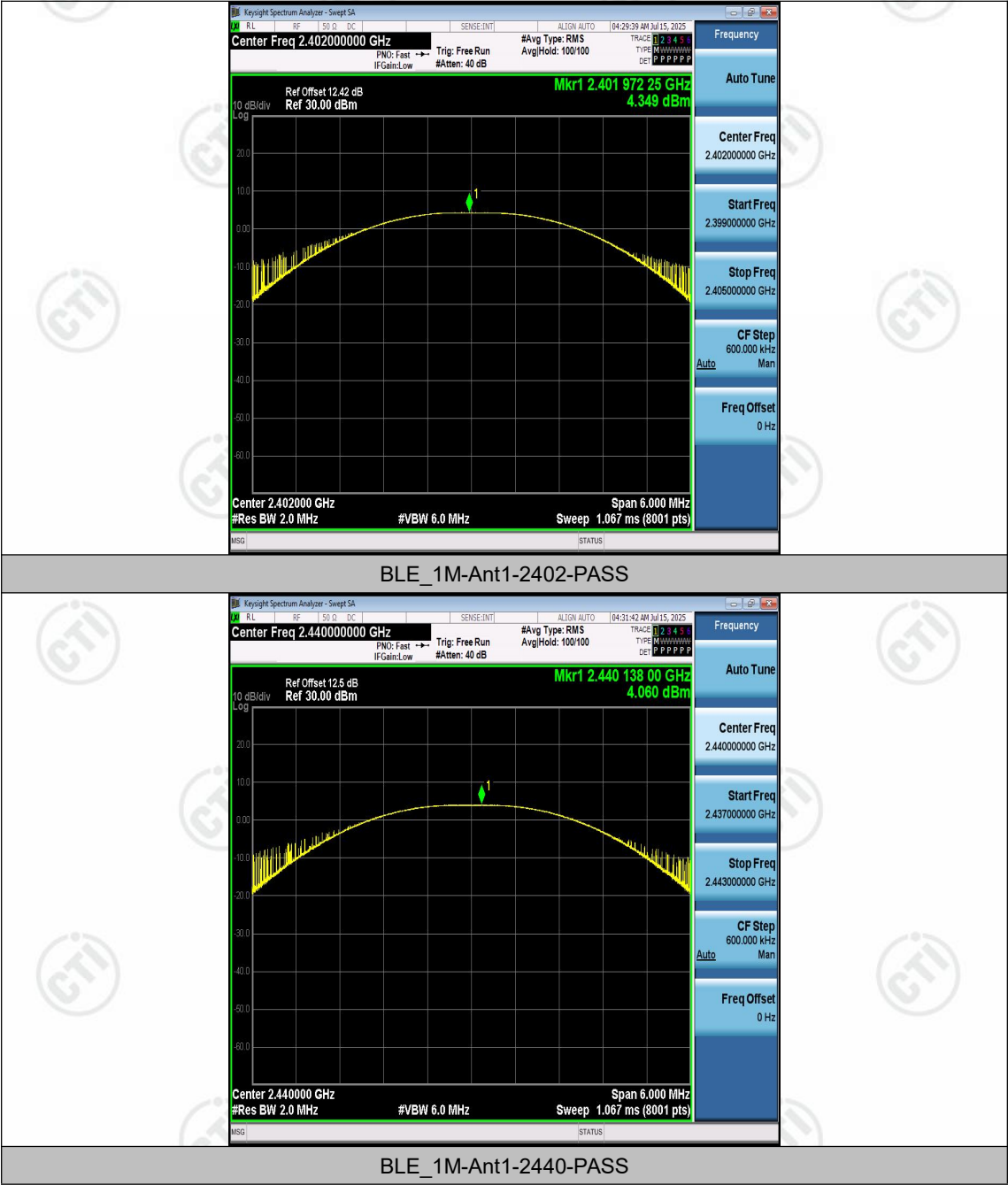
BLE_1M-Ant1-2480

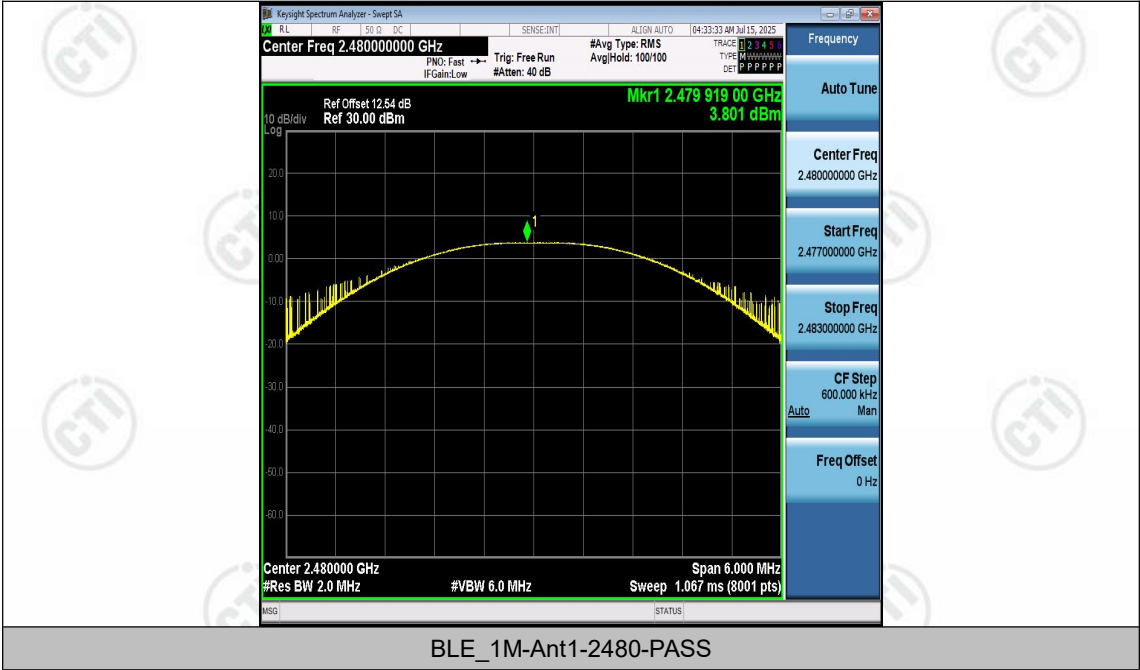
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.35	≤30	2.32	≤36	PASS
BLE_1M	Ant1	2440	4.06	≤30	2.03	≤36	PASS
BLE_1M	Ant1	2480	3.80	≤30	1.77	≤36	PASS

Test Graphs Peak



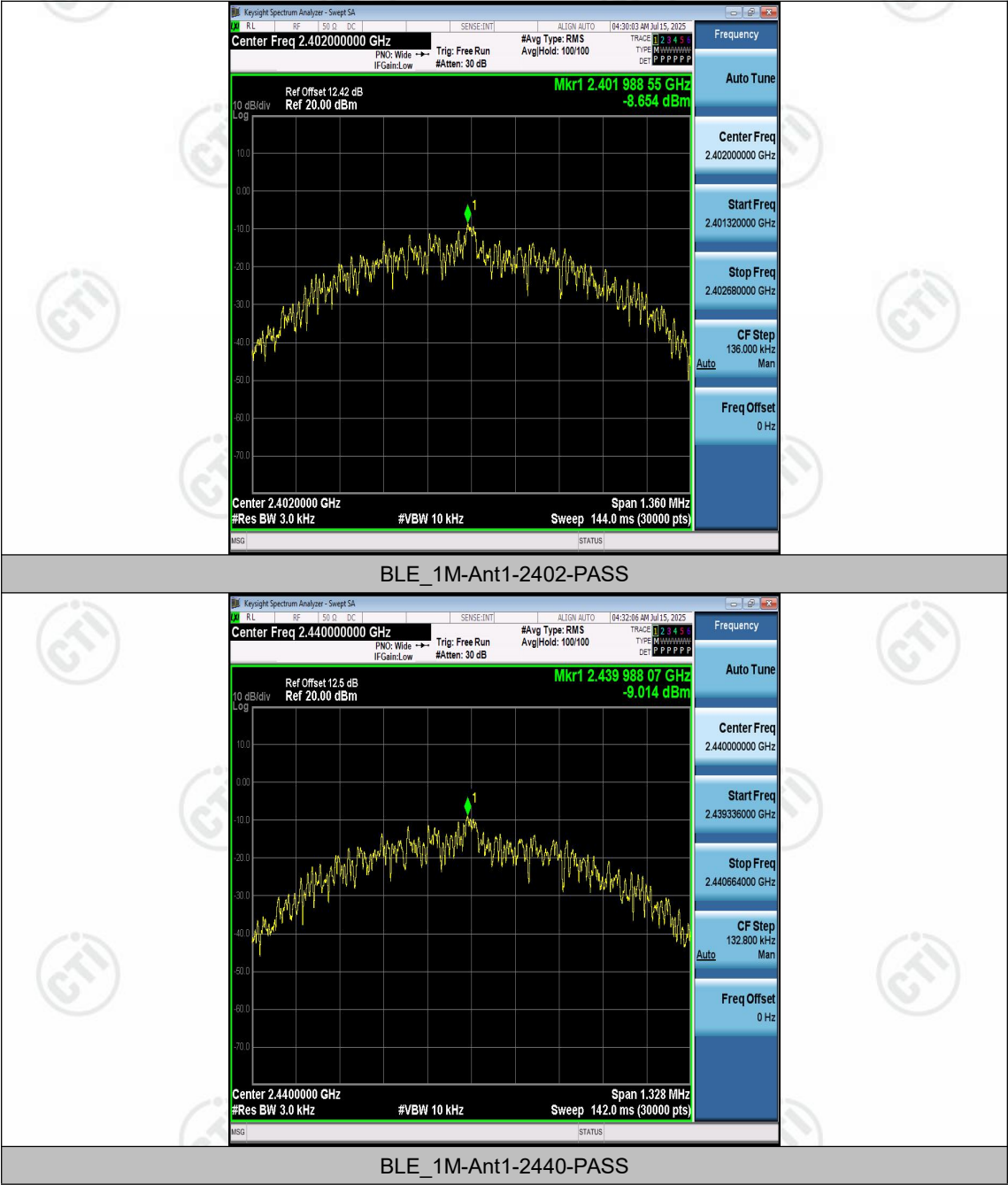


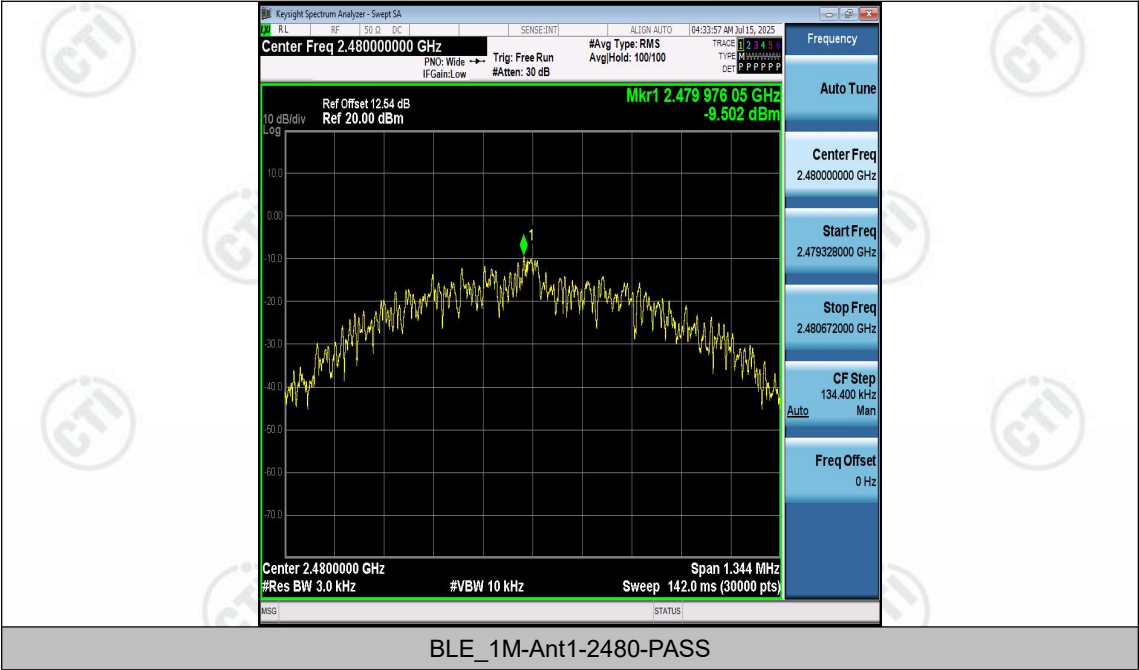
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.65	≤8.00	PASS
BLE_1M	Ant1	2440	-9.01	≤8.00	PASS
BLE_1M	Ant1	2480	-9.50	≤8.00	PASS

Test Graphs



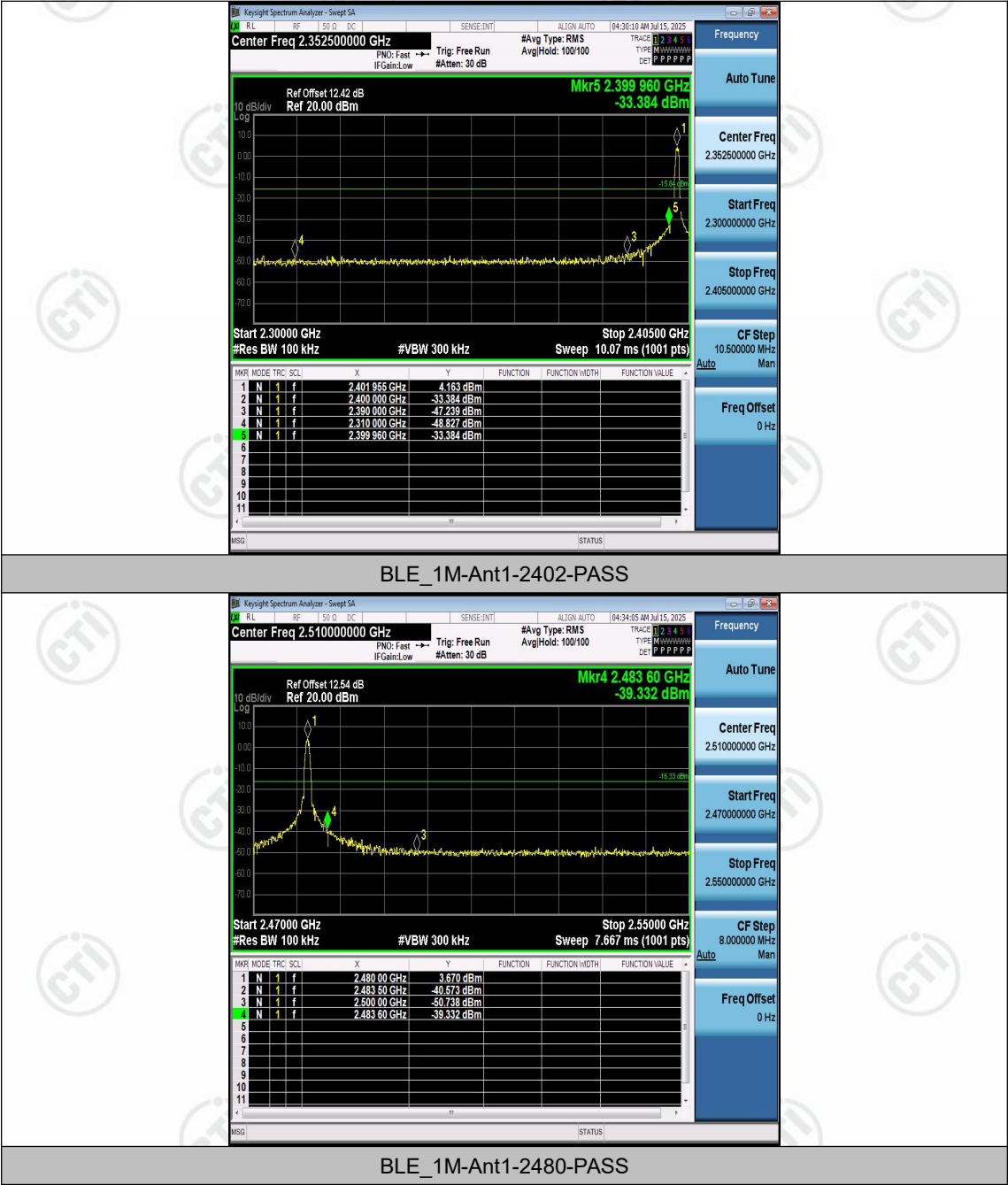


Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.16	-33.38	≤-15.84	PASS
BLE_1M	Ant1	High	2480	3.67	-39.33	≤-16.33	PASS

Test Graphs

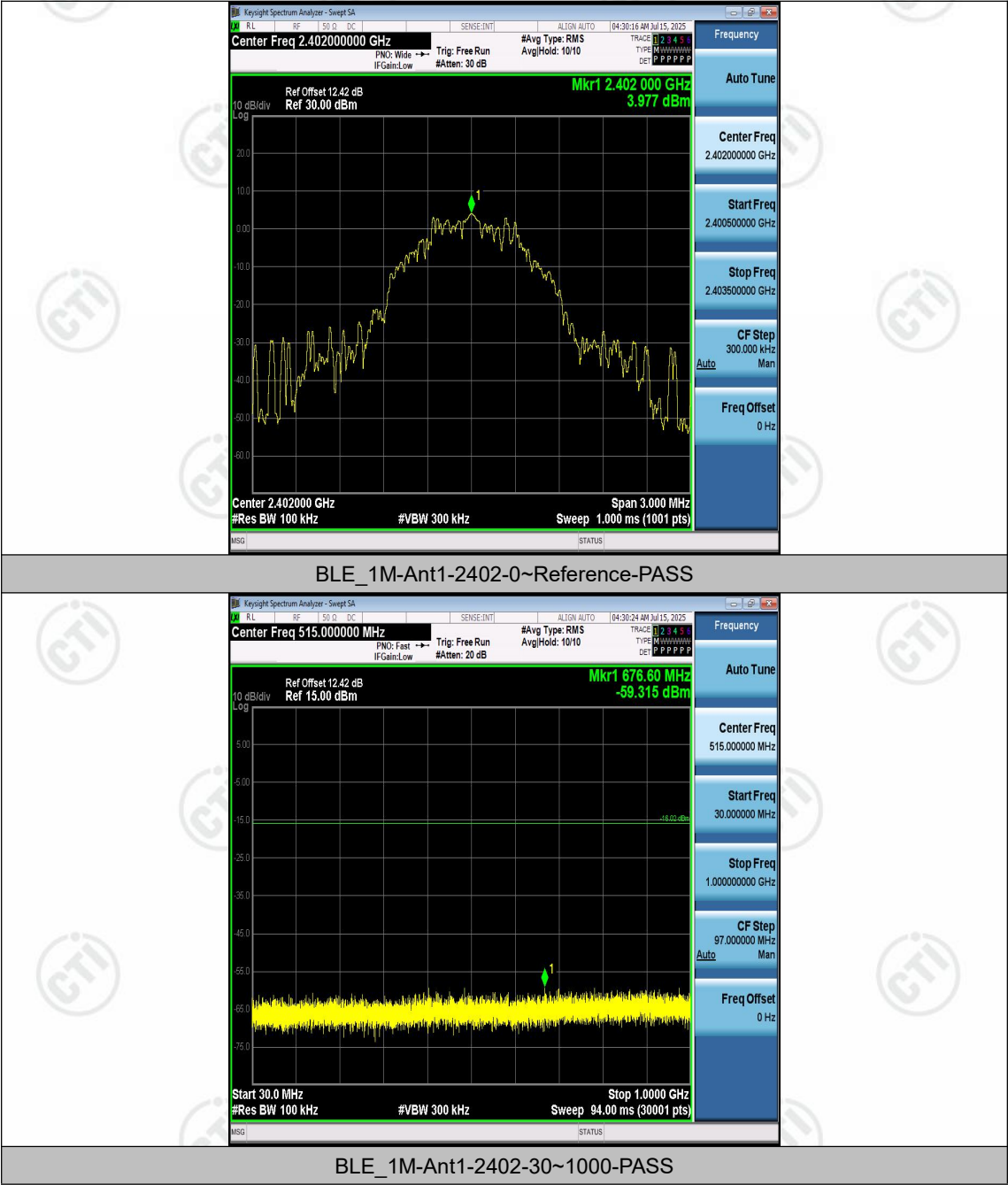


Appendix G: Conducted Spurious Emission

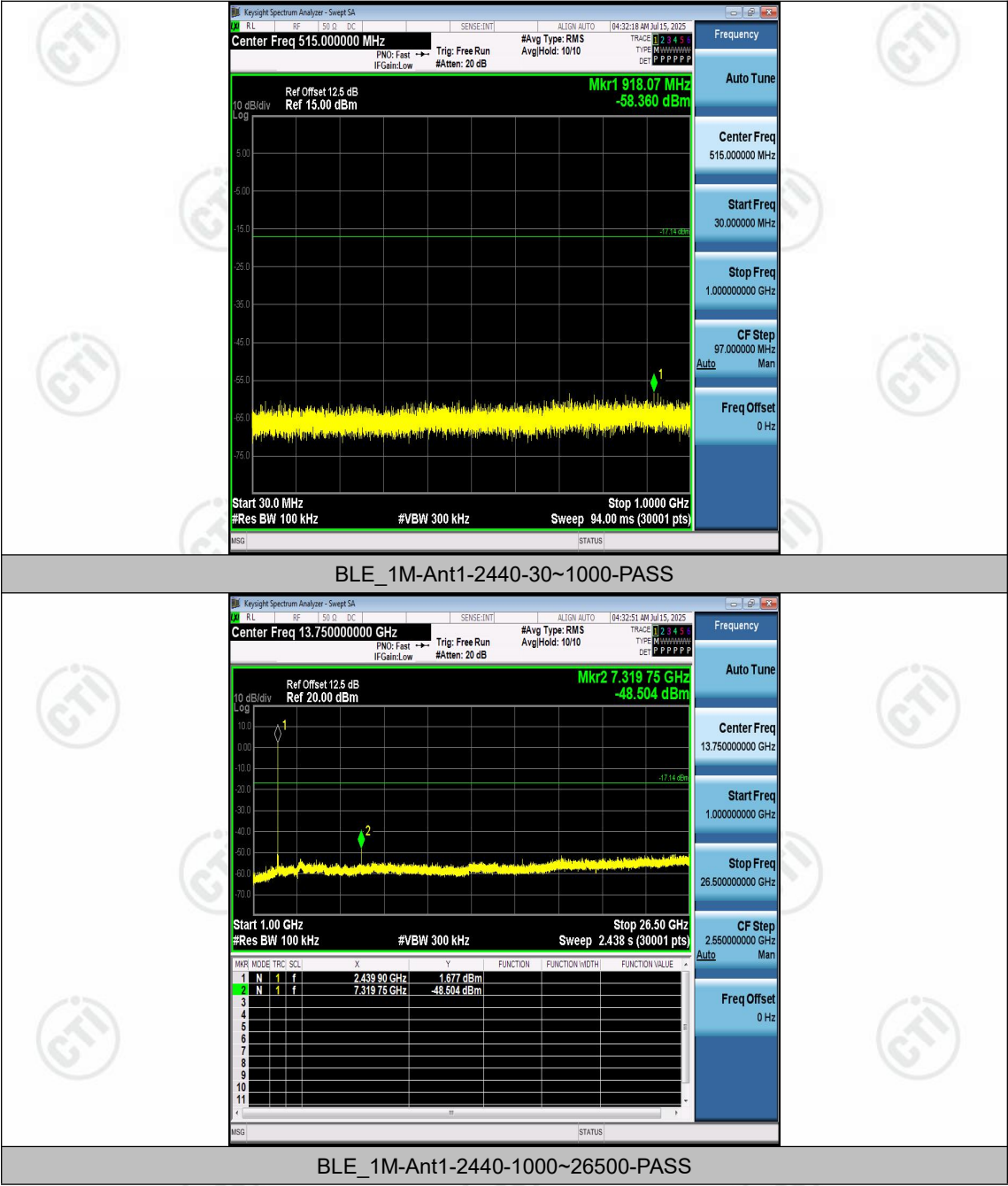
Test Result

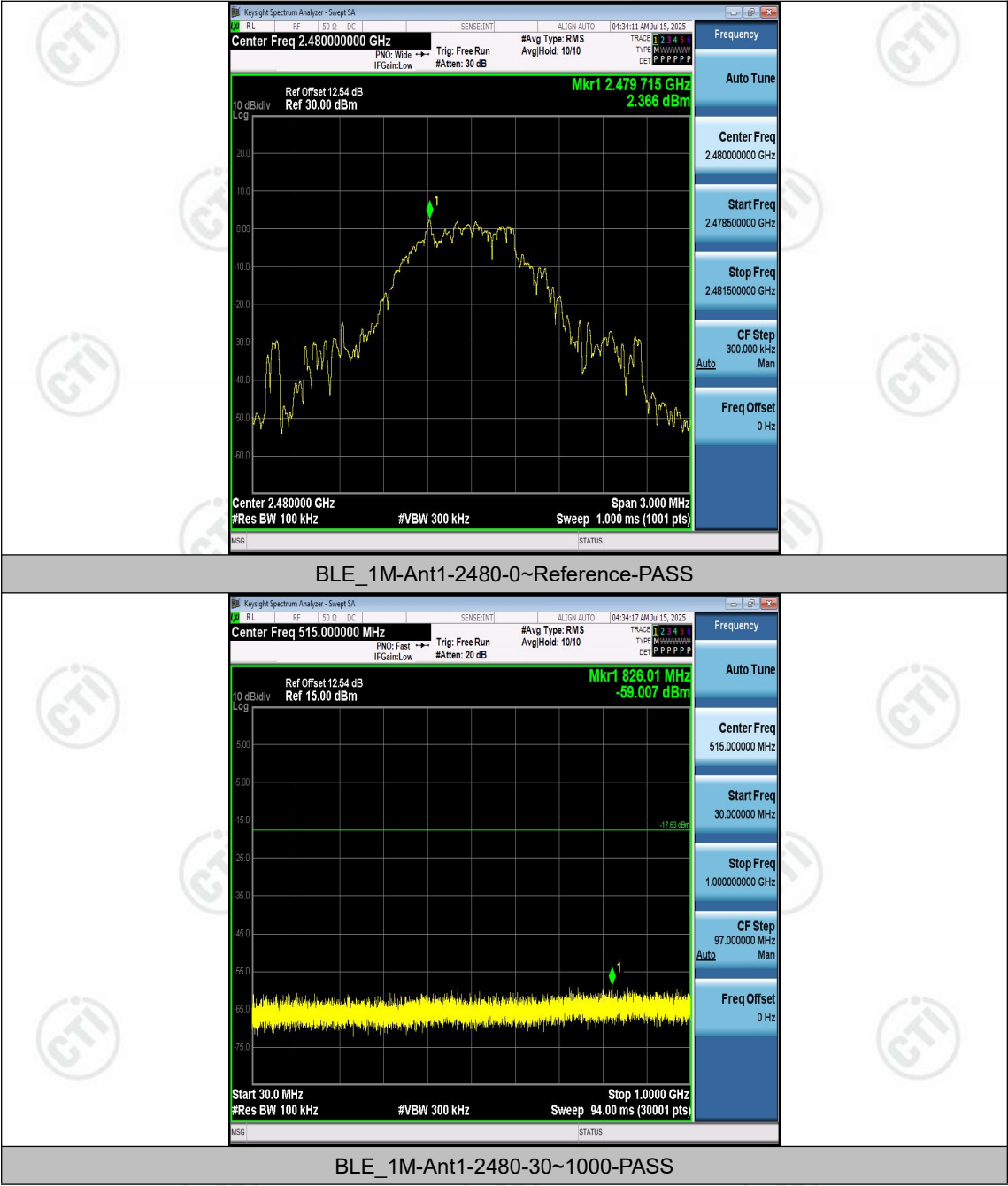
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.98	3.98	---	PASS
BLE_1M	Ant1	2402	30~1000	3.98	-59.32	≤-16.02	PASS
BLE_1M	Ant1	2402	1000~26500	3.98	-50.64	≤-16.02	PASS
BLE_1M	Ant1	2440	0~Reference	2.86	2.86	---	PASS
BLE_1M	Ant1	2440	30~1000	2.86	-58.36	≤-17.14	PASS
BLE_1M	Ant1	2440	1000~26500	2.86	-48.5	≤-17.14	PASS
BLE_1M	Ant1	2480	0~Reference	2.37	2.37	---	PASS
BLE_1M	Ant1	2480	30~1000	2.37	-59.01	≤-17.63	PASS
BLE_1M	Ant1	2480	1000~26500	2.37	-50.11	≤-17.63	PASS

Test Graphs







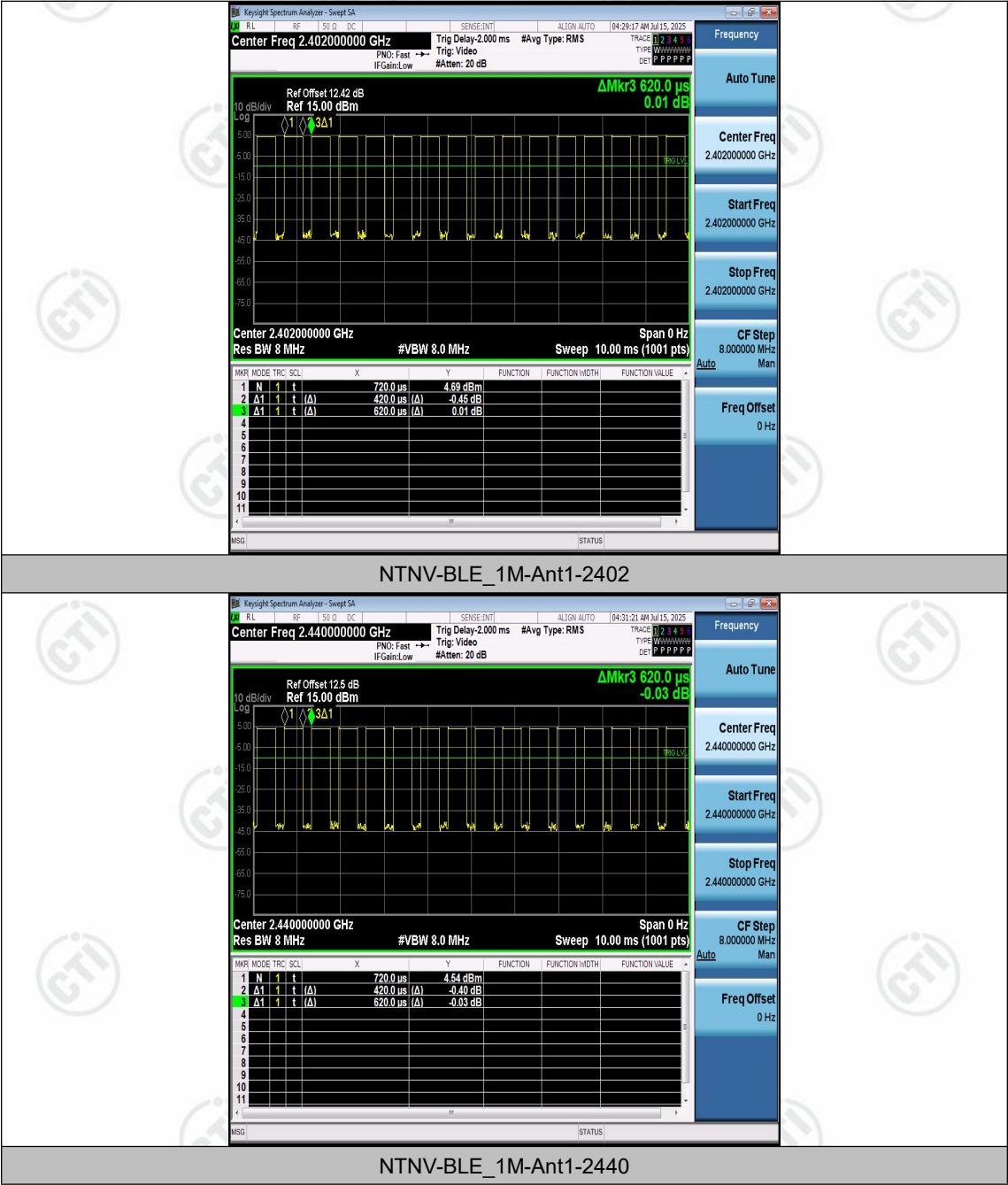


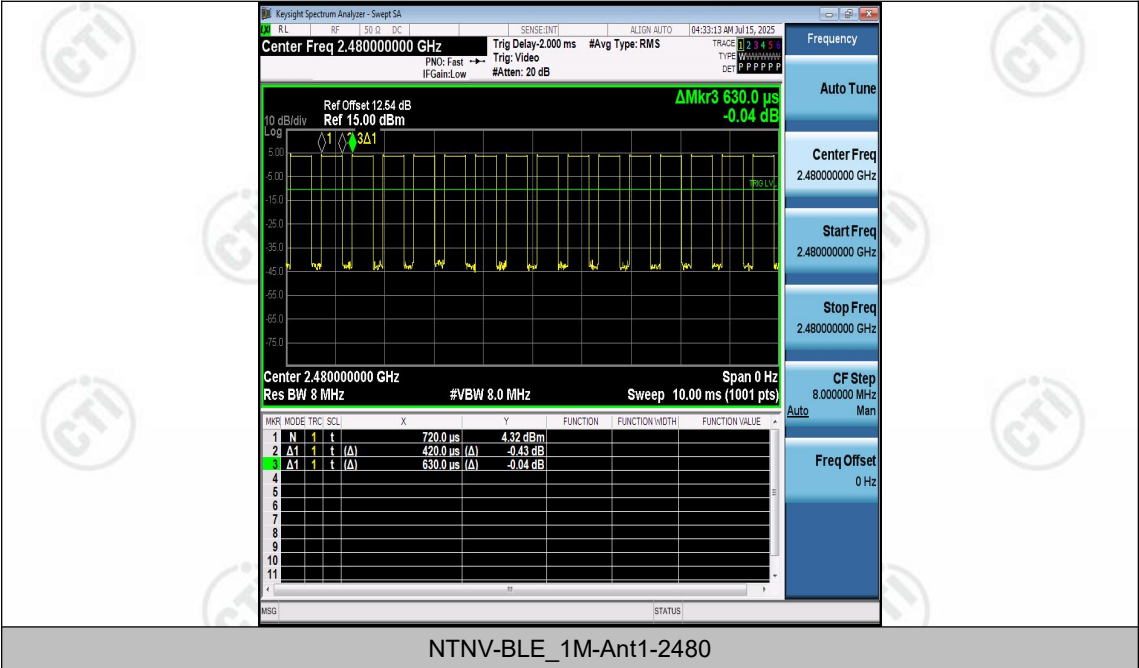
Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.42	0.62	67.74	1.69
BLE_1M	Ant1	2440	0.42	0.62	67.74	1.69
BLE_1M	Ant1	2480	0.42	0.63	66.67	1.76

Test Graphs





*** End of Report ***