

Appendix: Bluetooth LE

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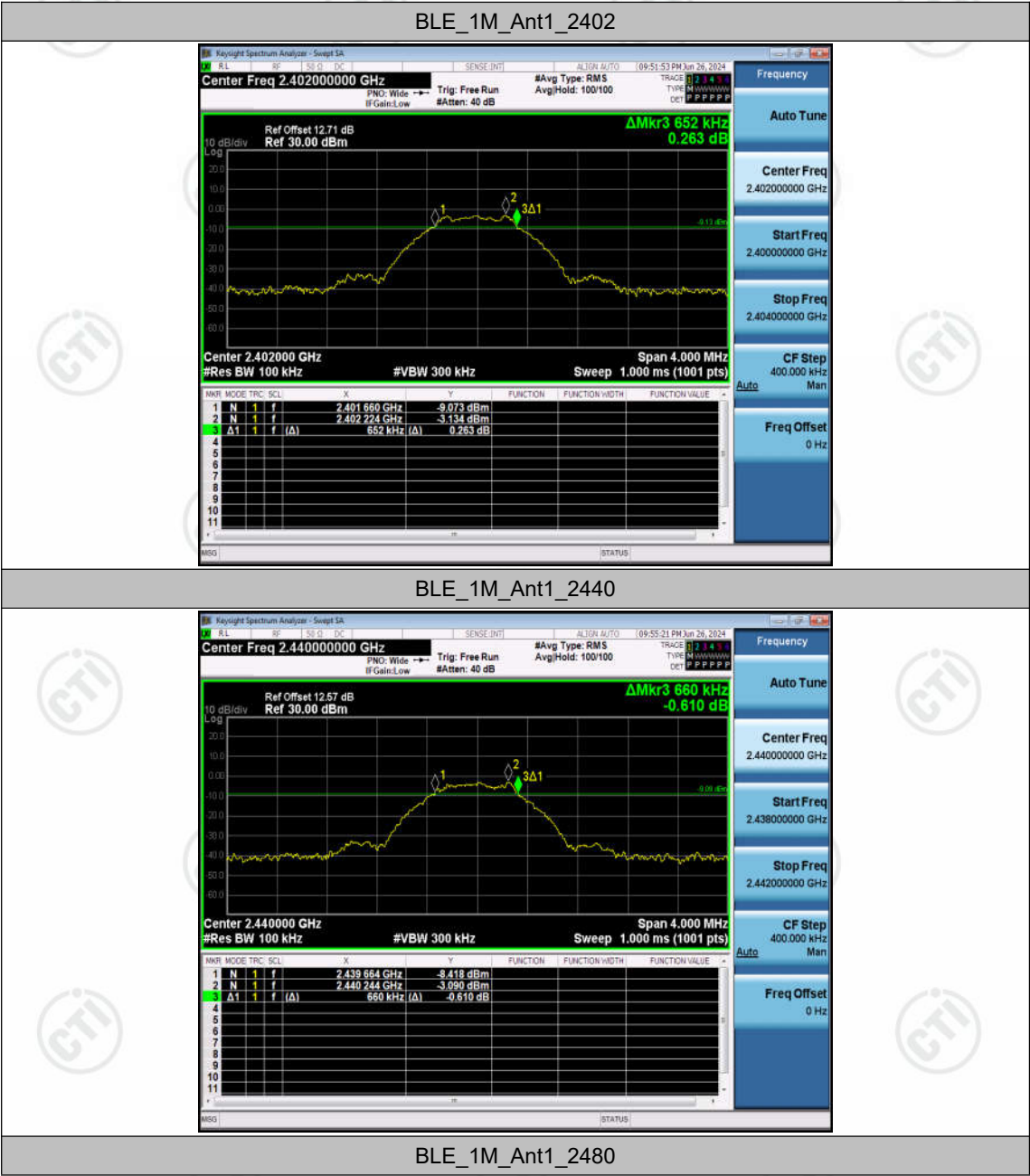
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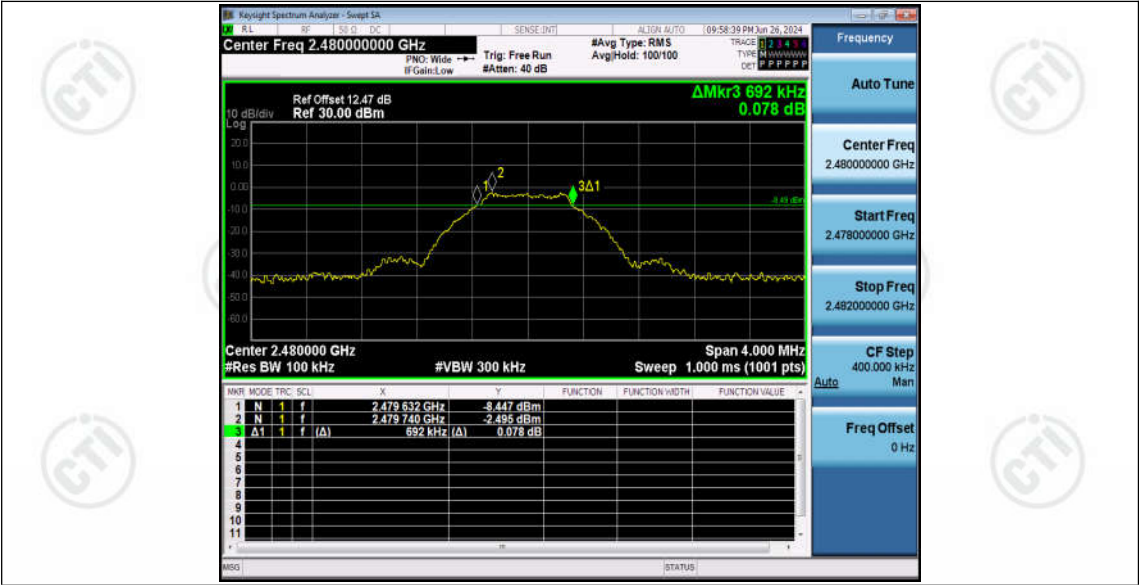
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.652	2401.660	2402.312	0.5	PASS
		2440	0.660	2439.664	2440.324	0.5	PASS
		2480	0.692	2479.632	2480.324	0.5	PASS

Test Graphs



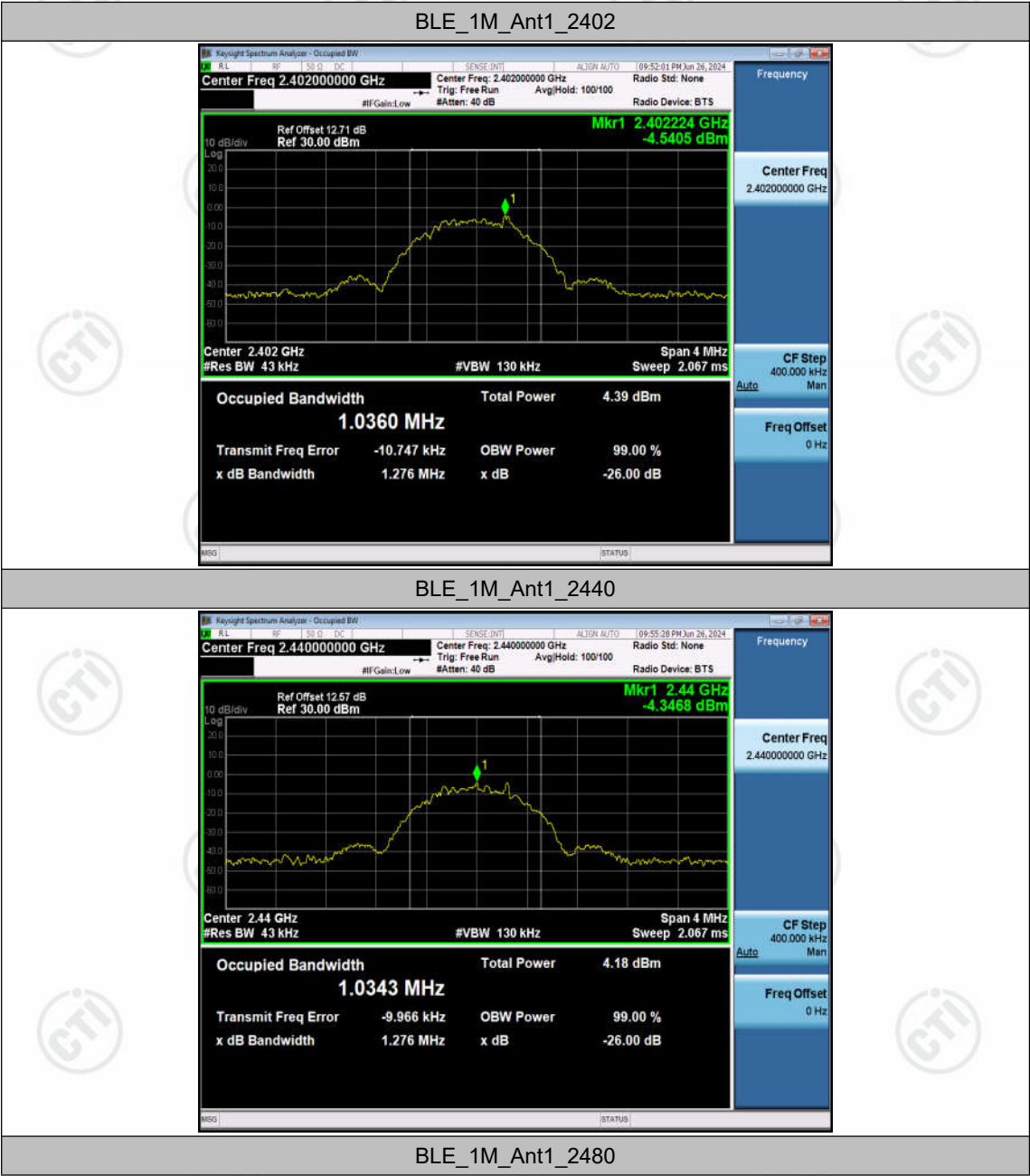


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0360	2401.4713	2402.5073	---	---
		2440	1.0343	2439.4729	2440.5072	---	---
		2480	1.0324	2479.4763	2480.5087	---	---

Test Graphs



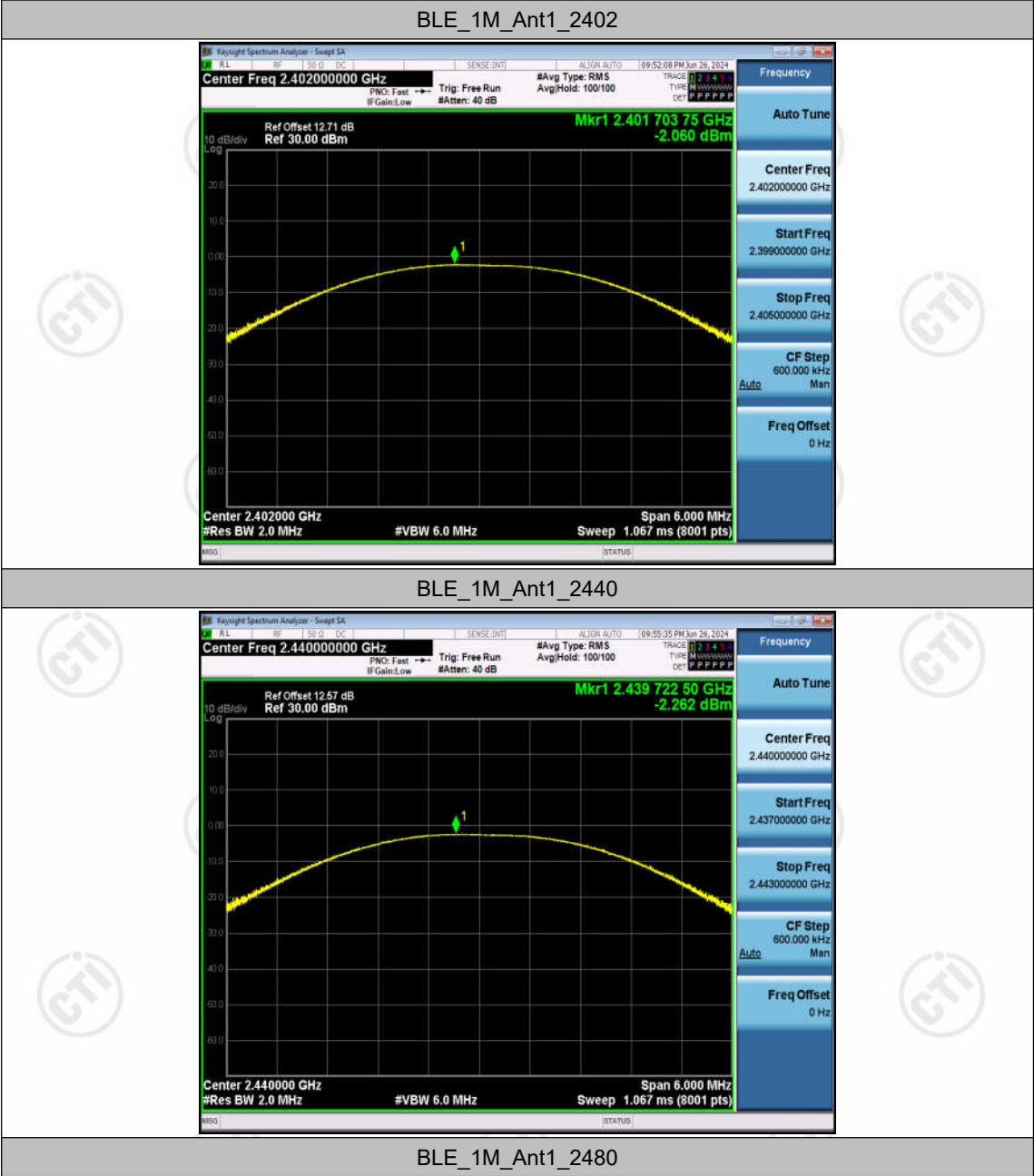


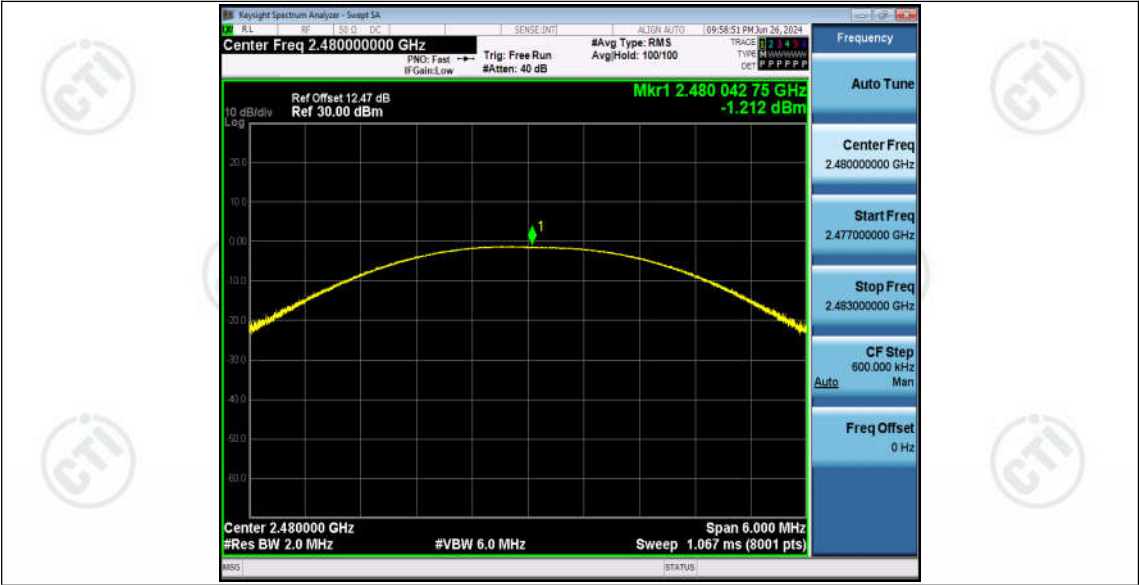
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.06	≤30	PASS
		2440	-2.26	≤30	PASS
		2480	-1.21	≤30	PASS

Test Graphs Peak



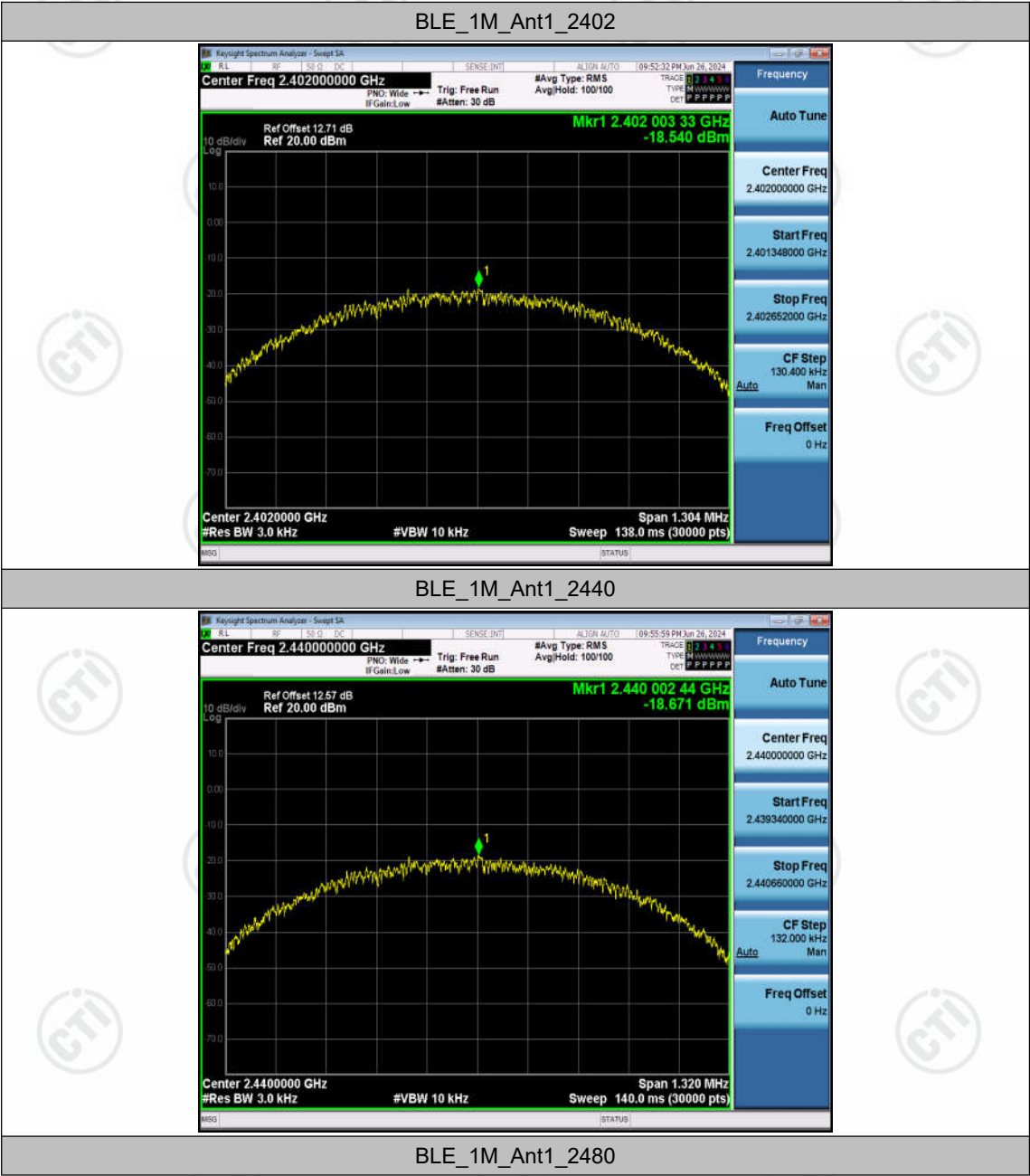


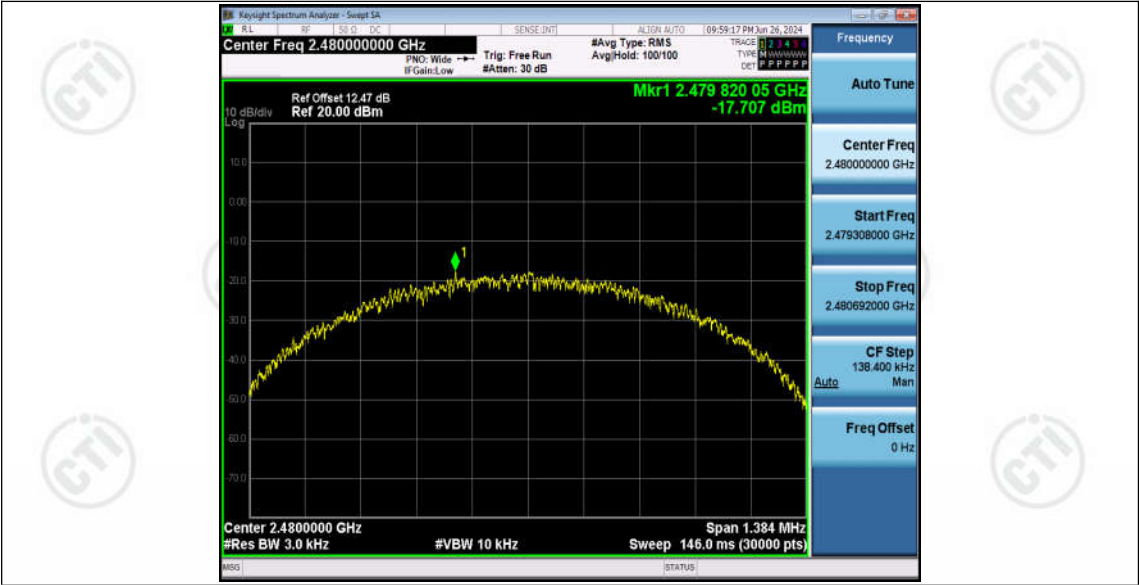
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.54	≤8.00	PASS
		2440	-18.67	≤8.00	PASS
		2480	-17.71	≤8.00	PASS

Test Graphs



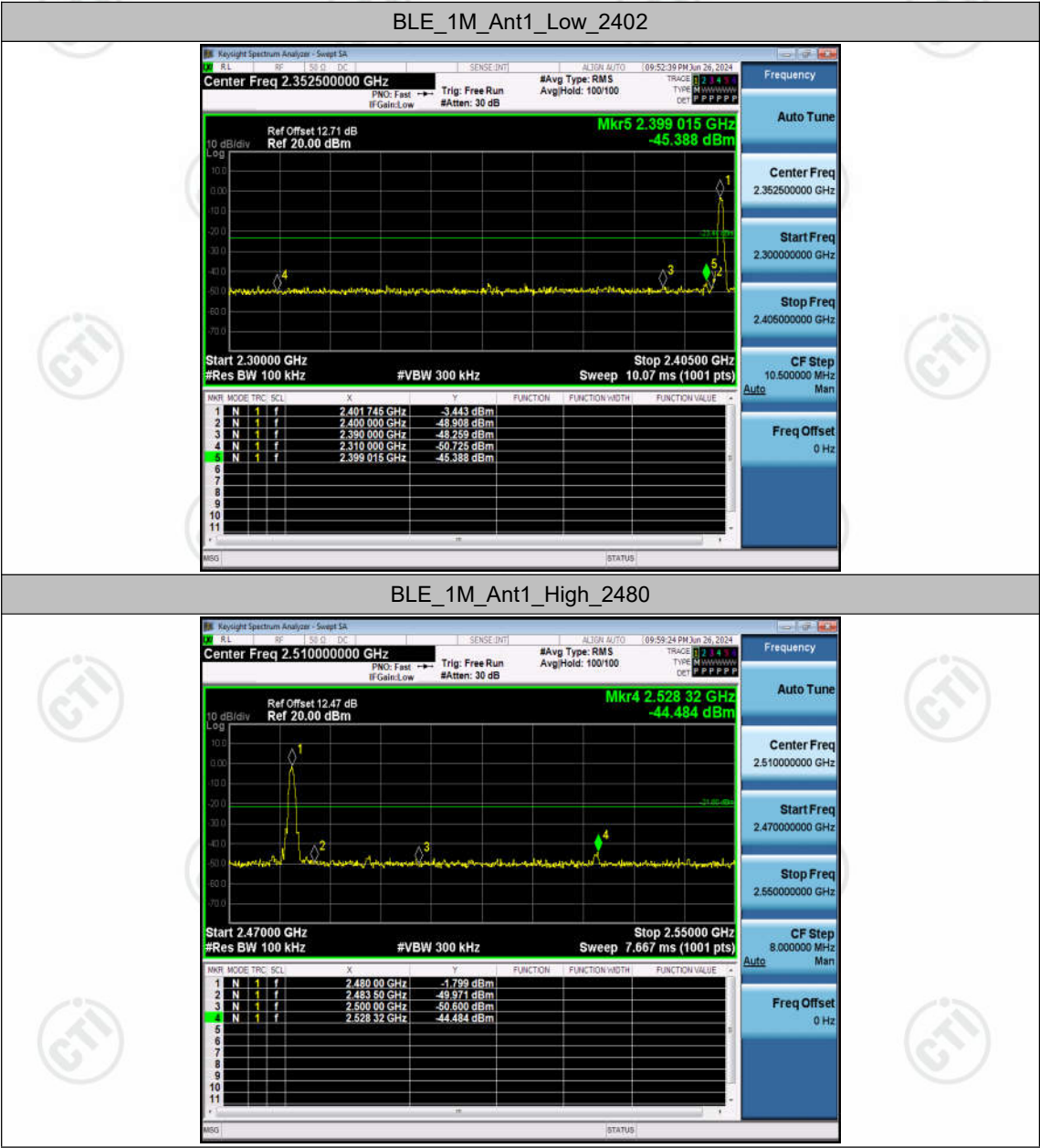


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.44	-45.39	≤-23.44	PASS
		High	2480	-1.80	-44.48	≤-21.8	PASS

Test Graphs

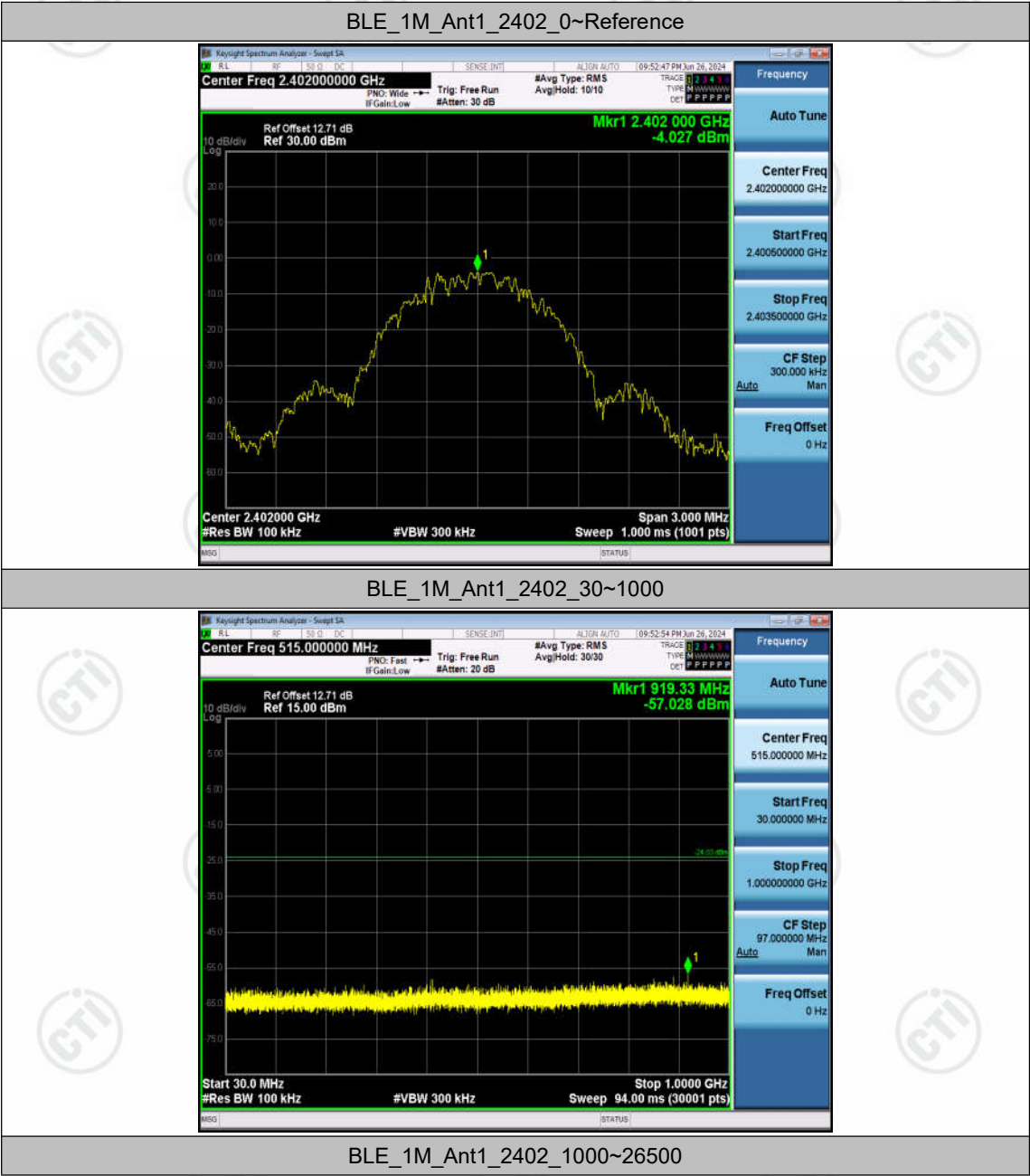


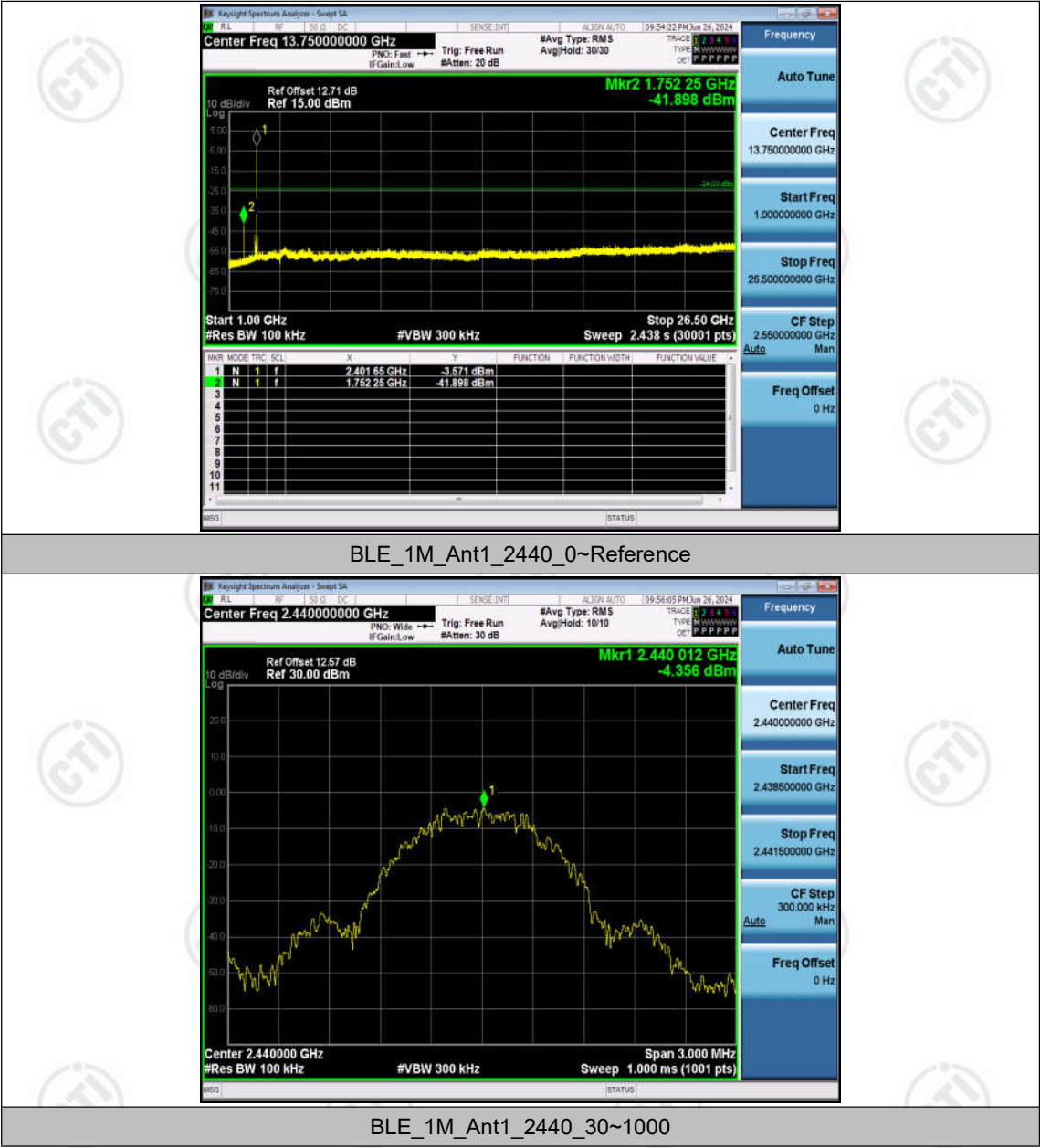
Appendix F: Conducted Spurious Emission

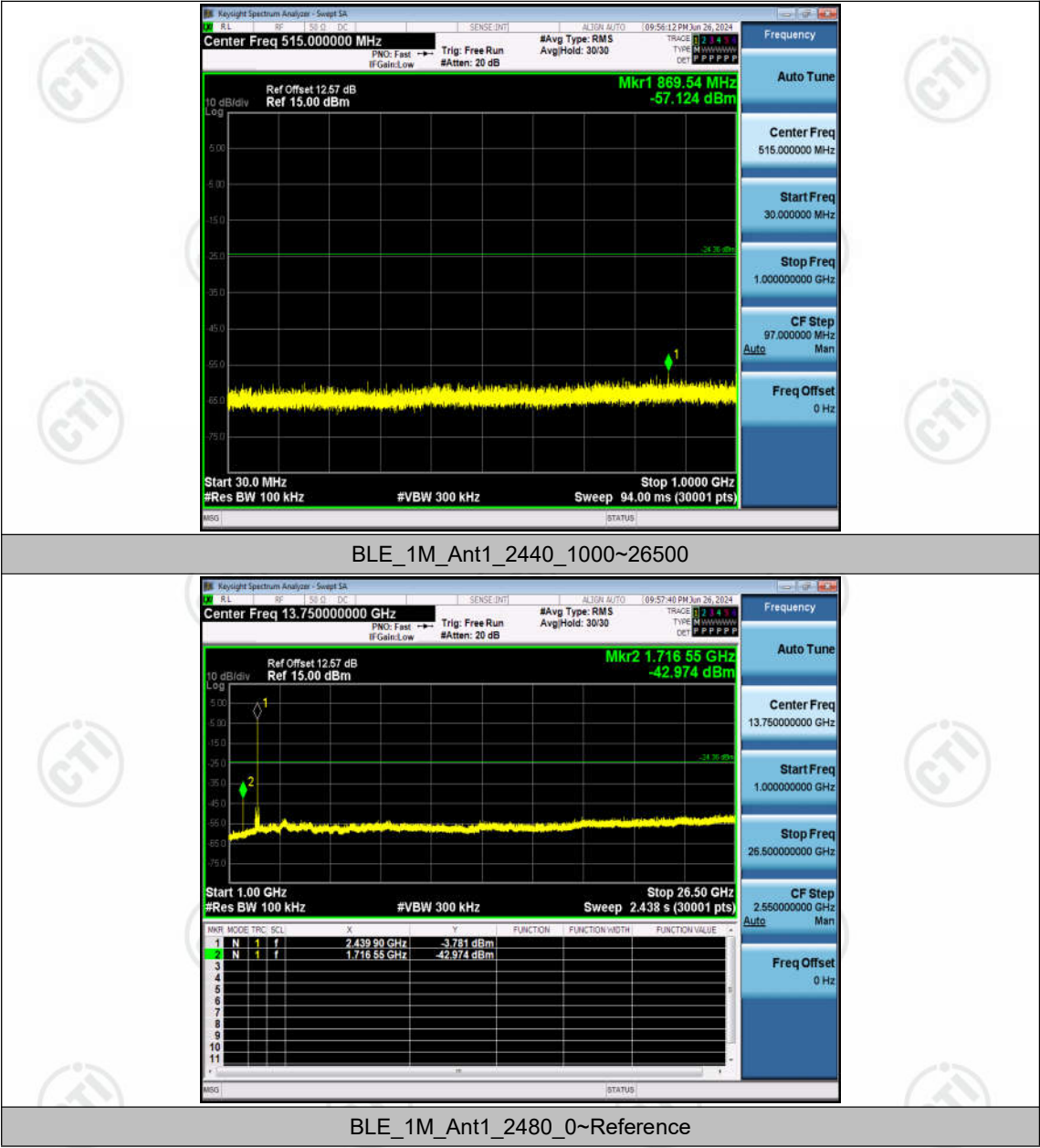
Test Result

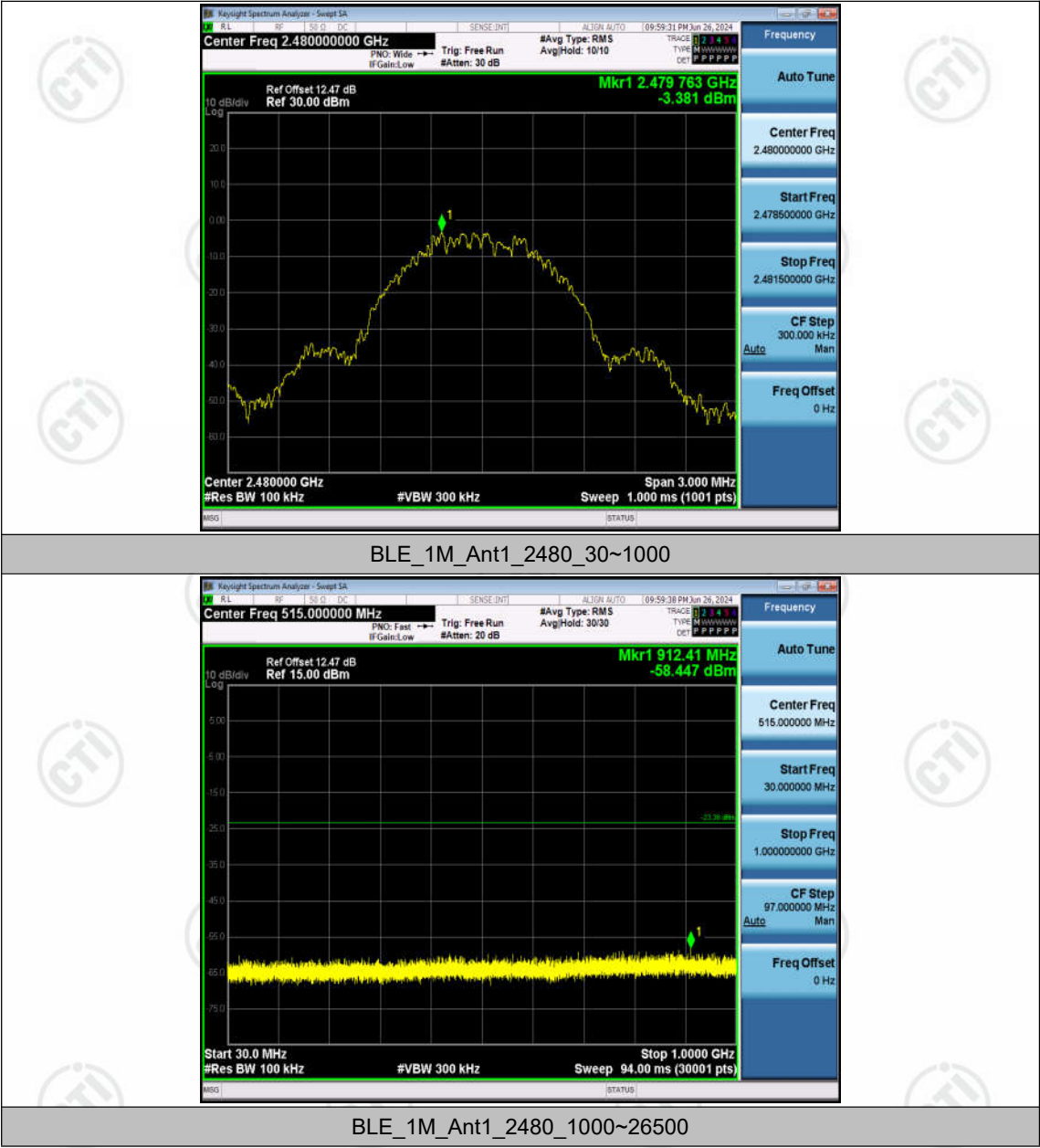
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.03	-4.03	---	PASS
			30~1000	-4.03	-57.03	≤-24.03	PASS
			1000~26500	-4.03	-41.9	≤-24.03	PASS
		2440	Reference	-4.36	-4.36	---	PASS
			30~1000	-4.36	-57.12	≤-24.36	PASS
			1000~26500	-4.36	-42.97	≤-24.36	PASS
		2480	Reference	-3.38	-3.38	---	PASS
			30~1000	-3.38	-58.45	≤-23.38	PASS
			1000~26500	-3.38	-39.29	≤-23.38	PASS

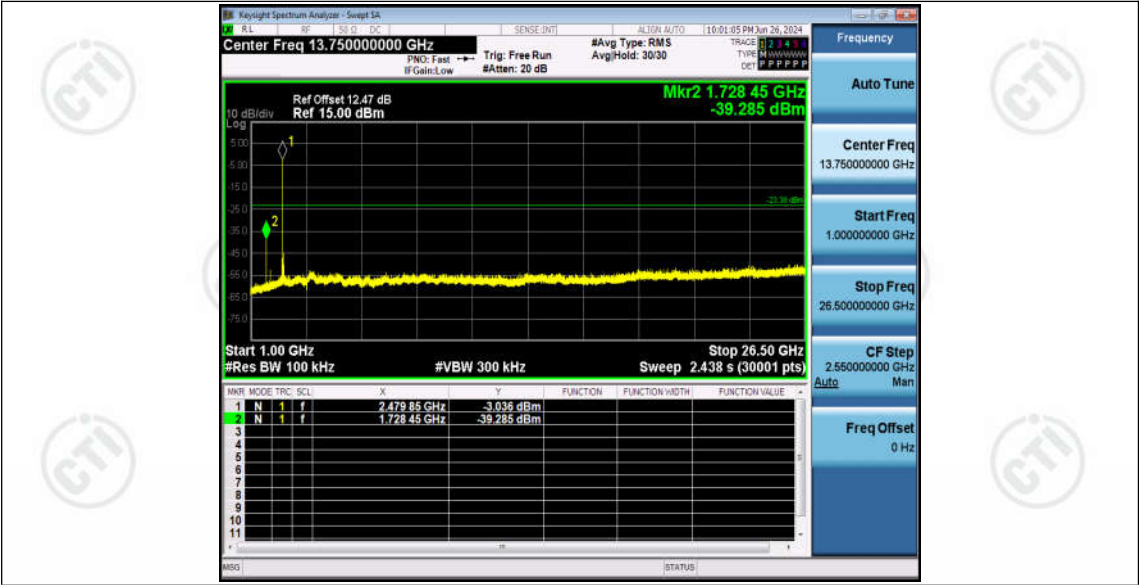
Test Graphs









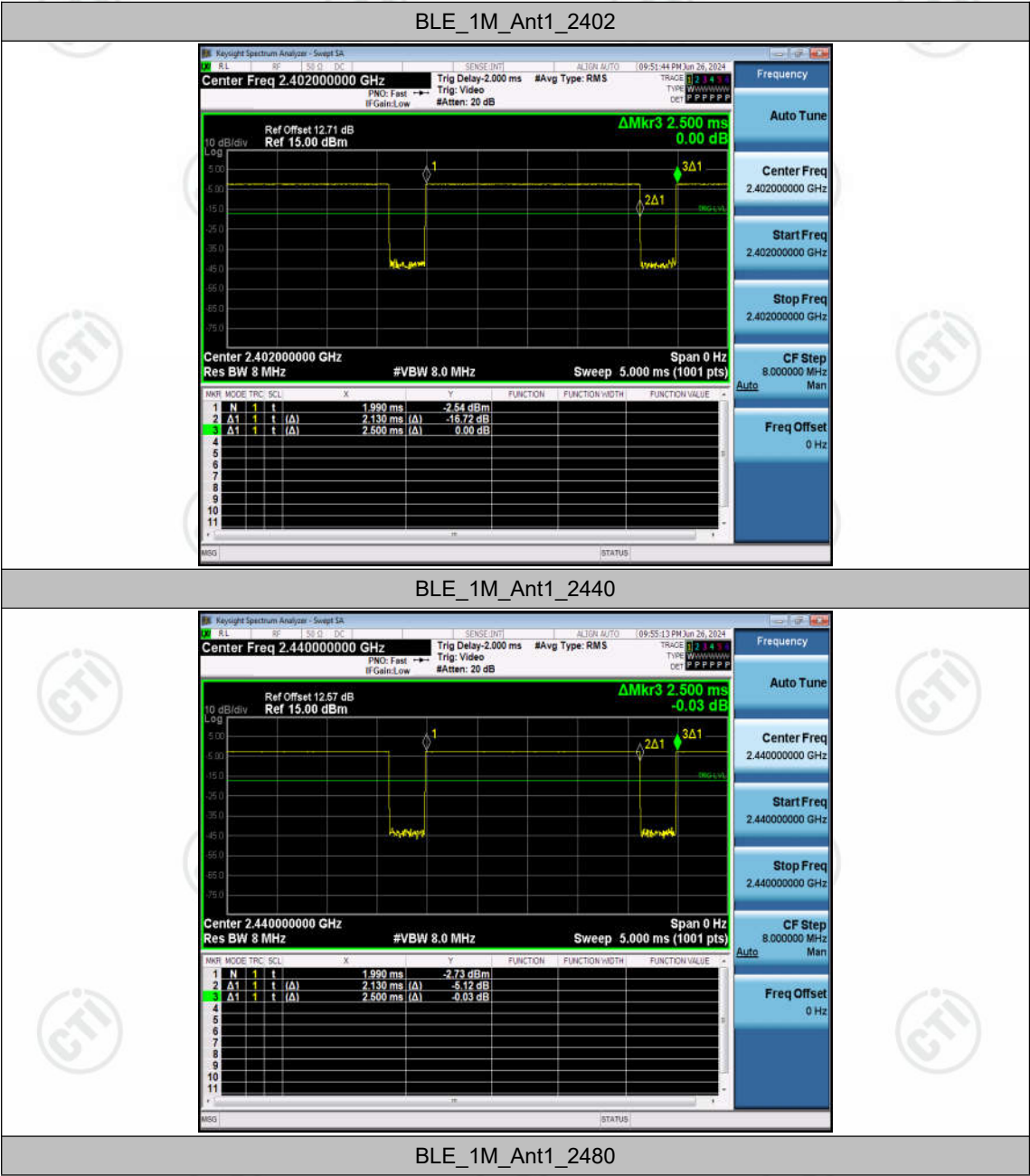


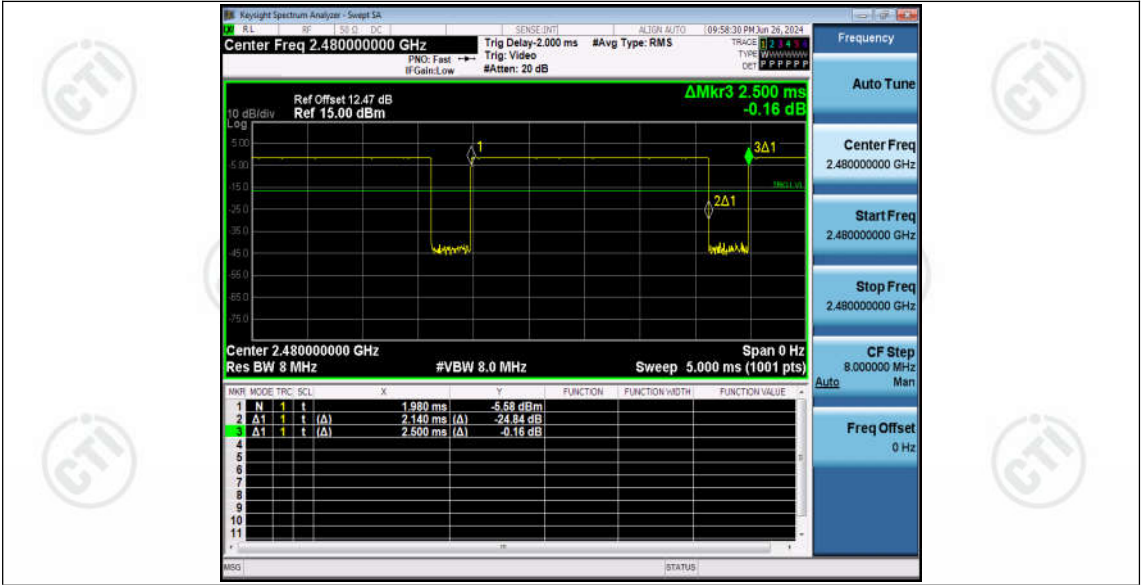
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
		2440	2.13	2.50	85.20	0.70
		2480	2.14	2.50	85.60	0.68

Test Graphs





*** End of Report ***