

Appendix: Bluetooth LE

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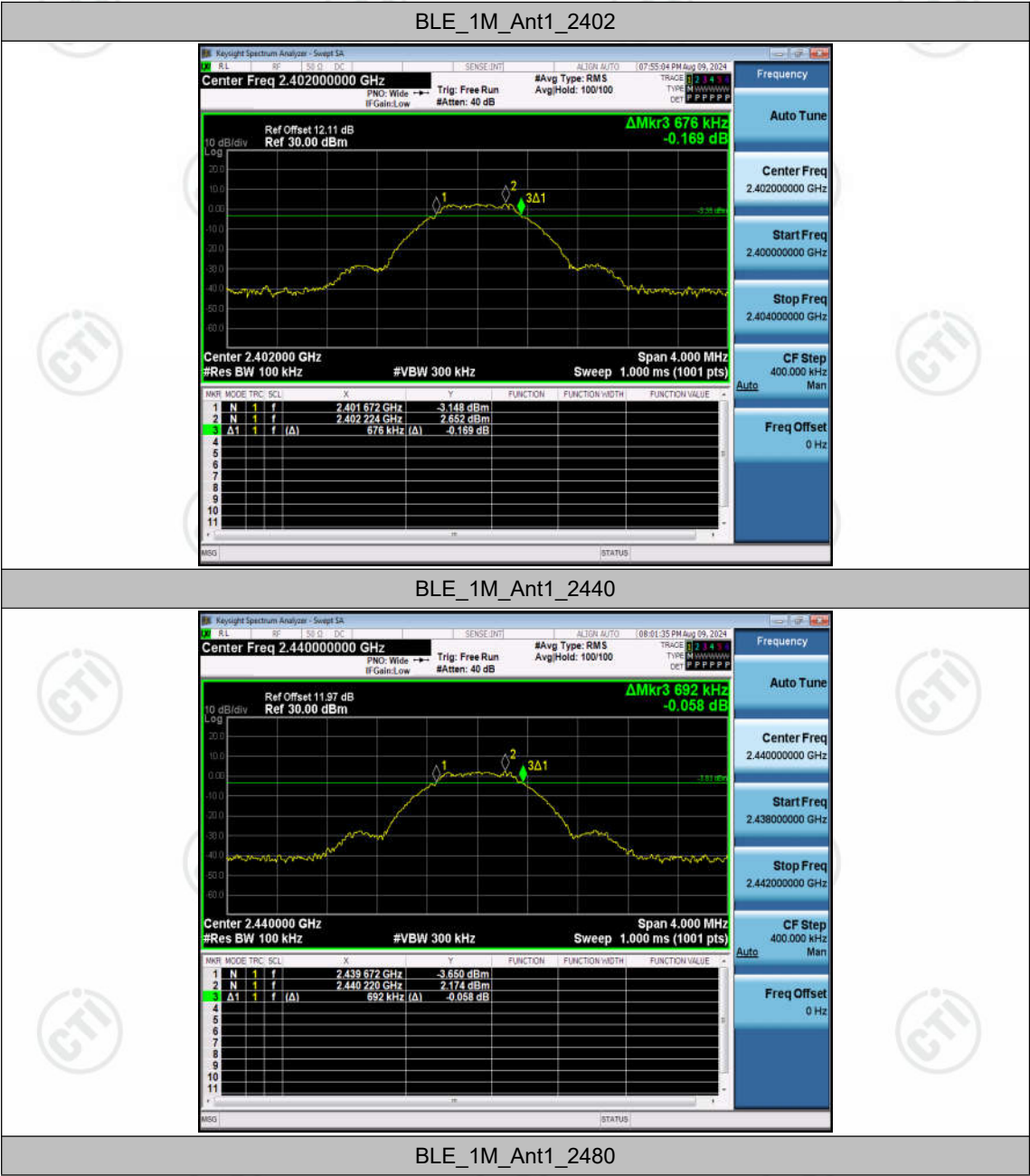
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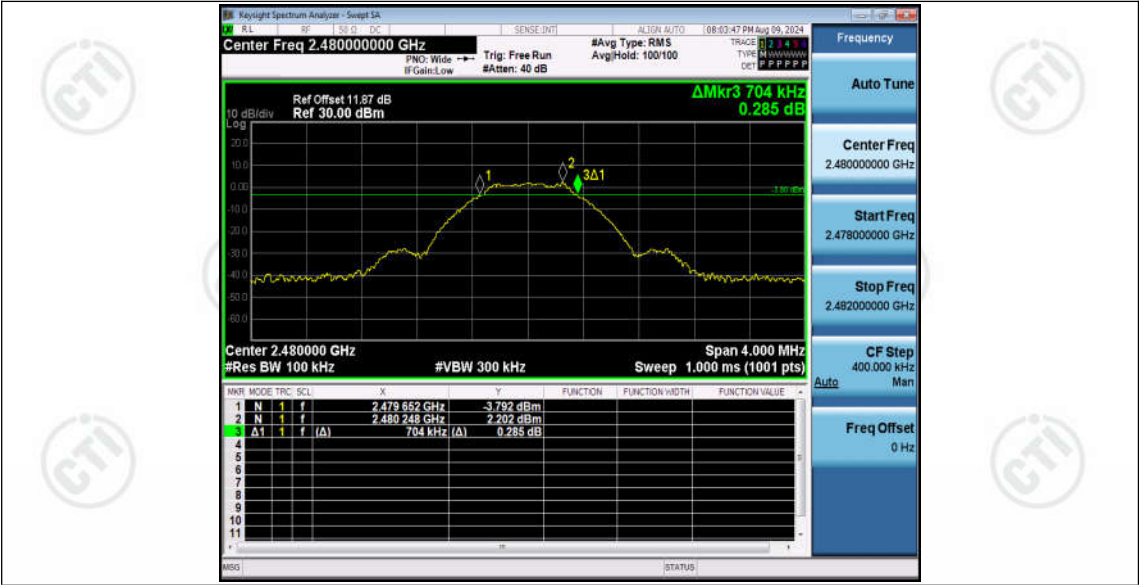
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.672	2402.348	0.5	PASS
		2440	0.692	2439.672	2440.364	0.5	PASS
		2480	0.704	2479.652	2480.356	0.5	PASS

Test Graphs



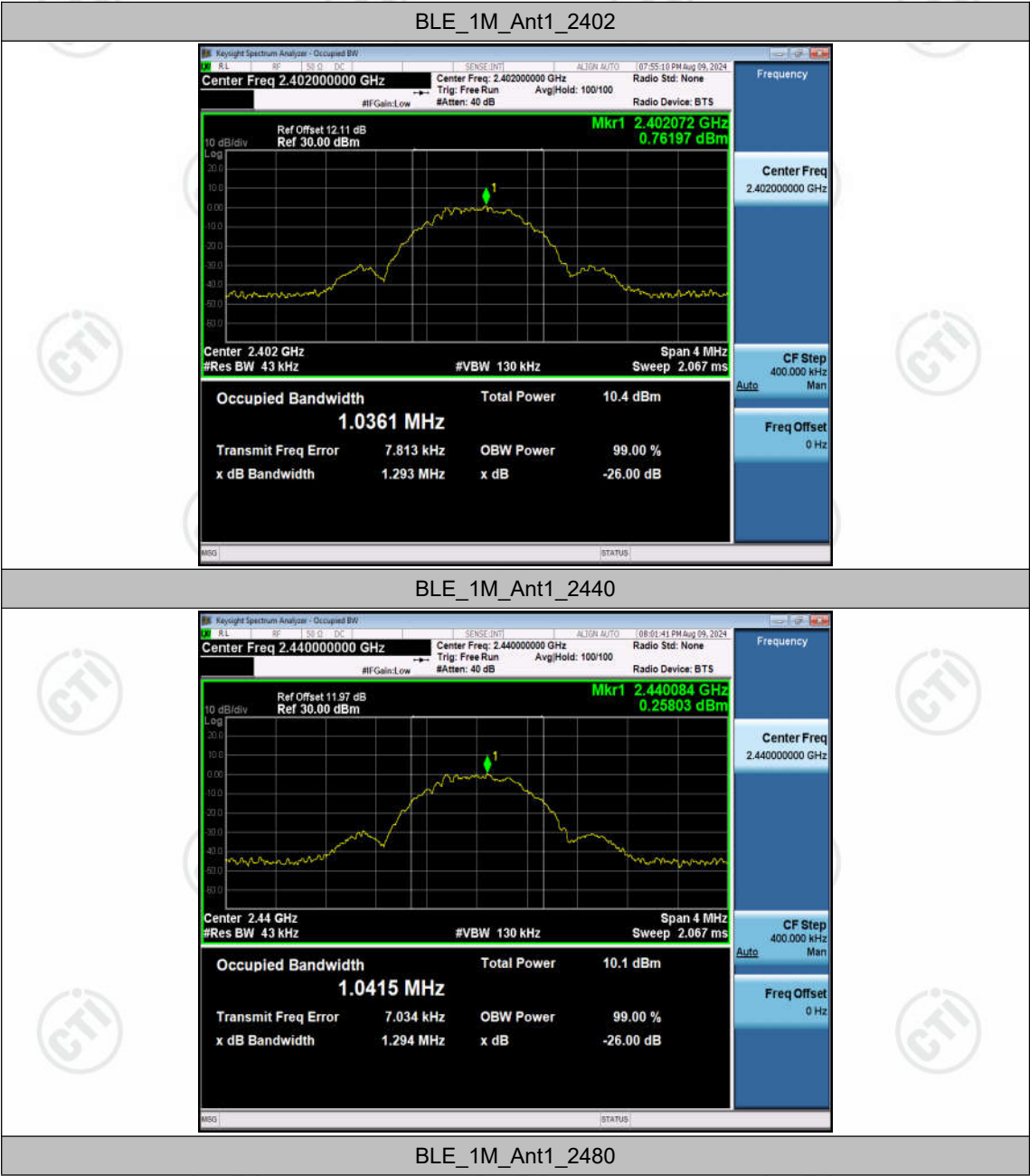


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0361	2401.4898	2402.5259	---	---
		2440	1.0415	2439.4863	2440.5278	---	---
		2480	1.0412	2479.4871	2480.5283	---	---

Test Graphs



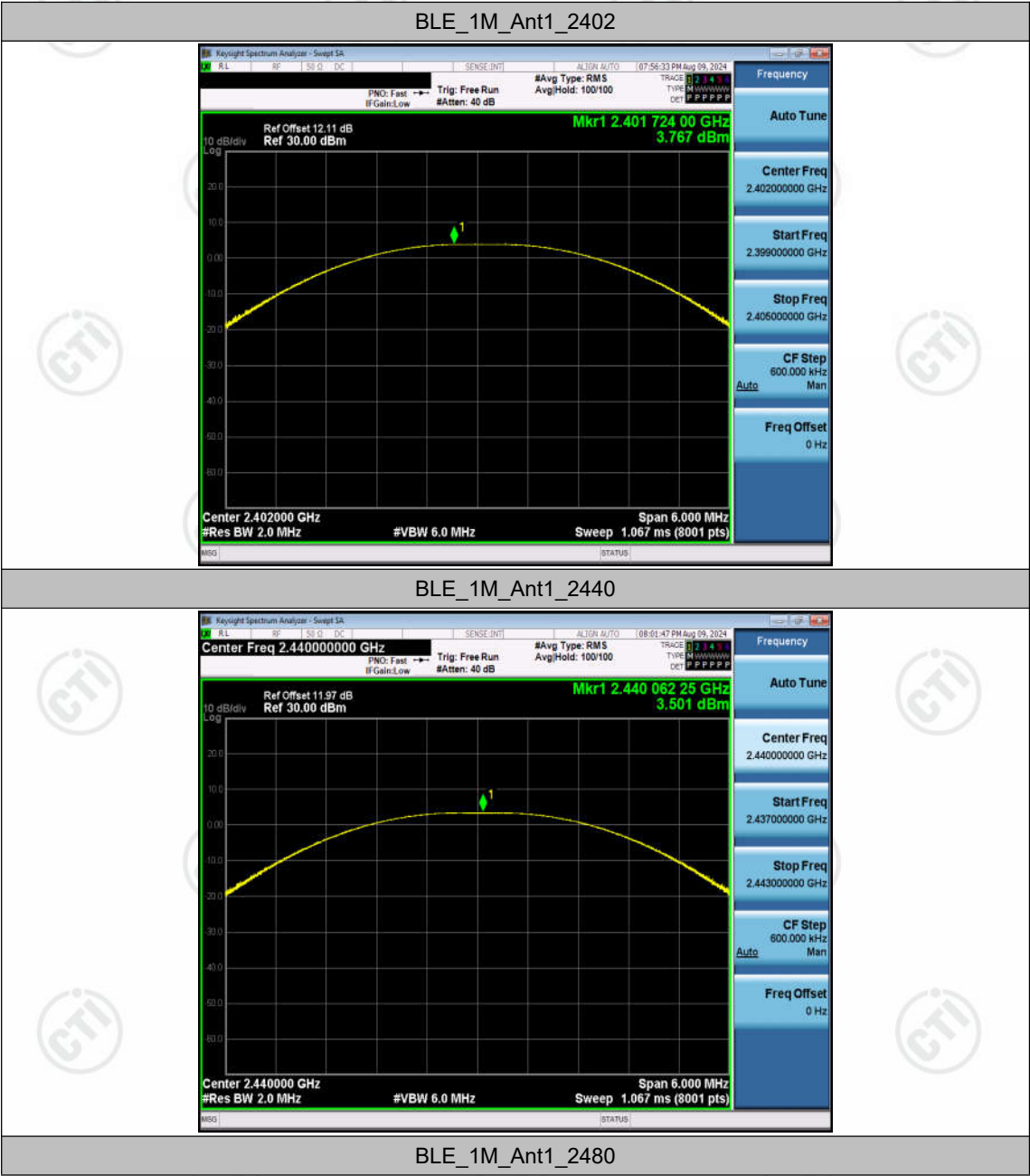


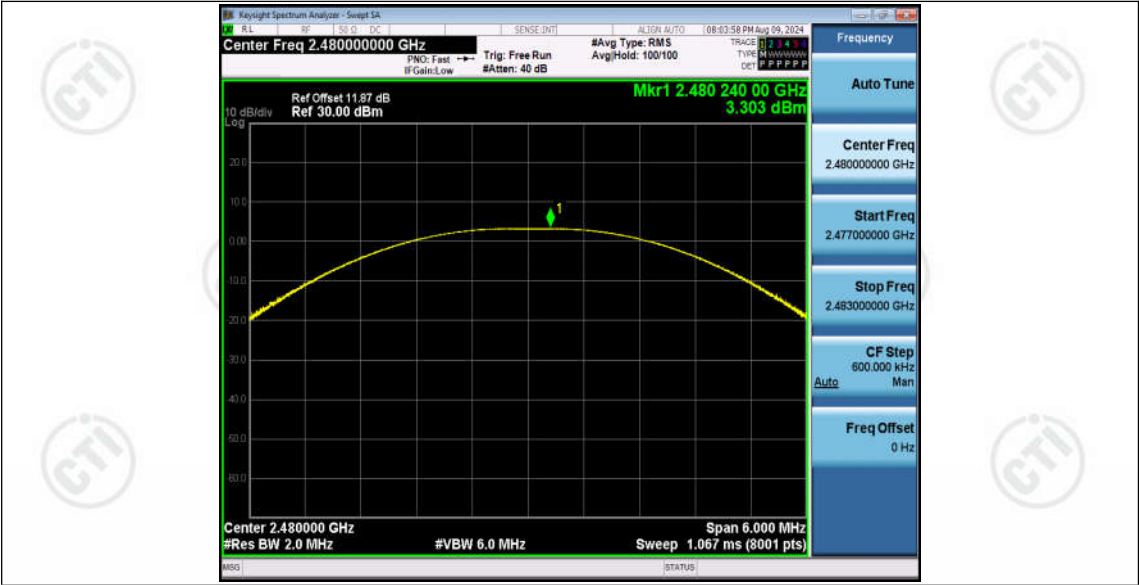
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.98	≤30	3.98	≤36	PASS
		2440	3.5	≤30	3.5	≤36	PASS
		2480	3.3	≤30	3.3	≤36	PASS

Test Graphs Peak



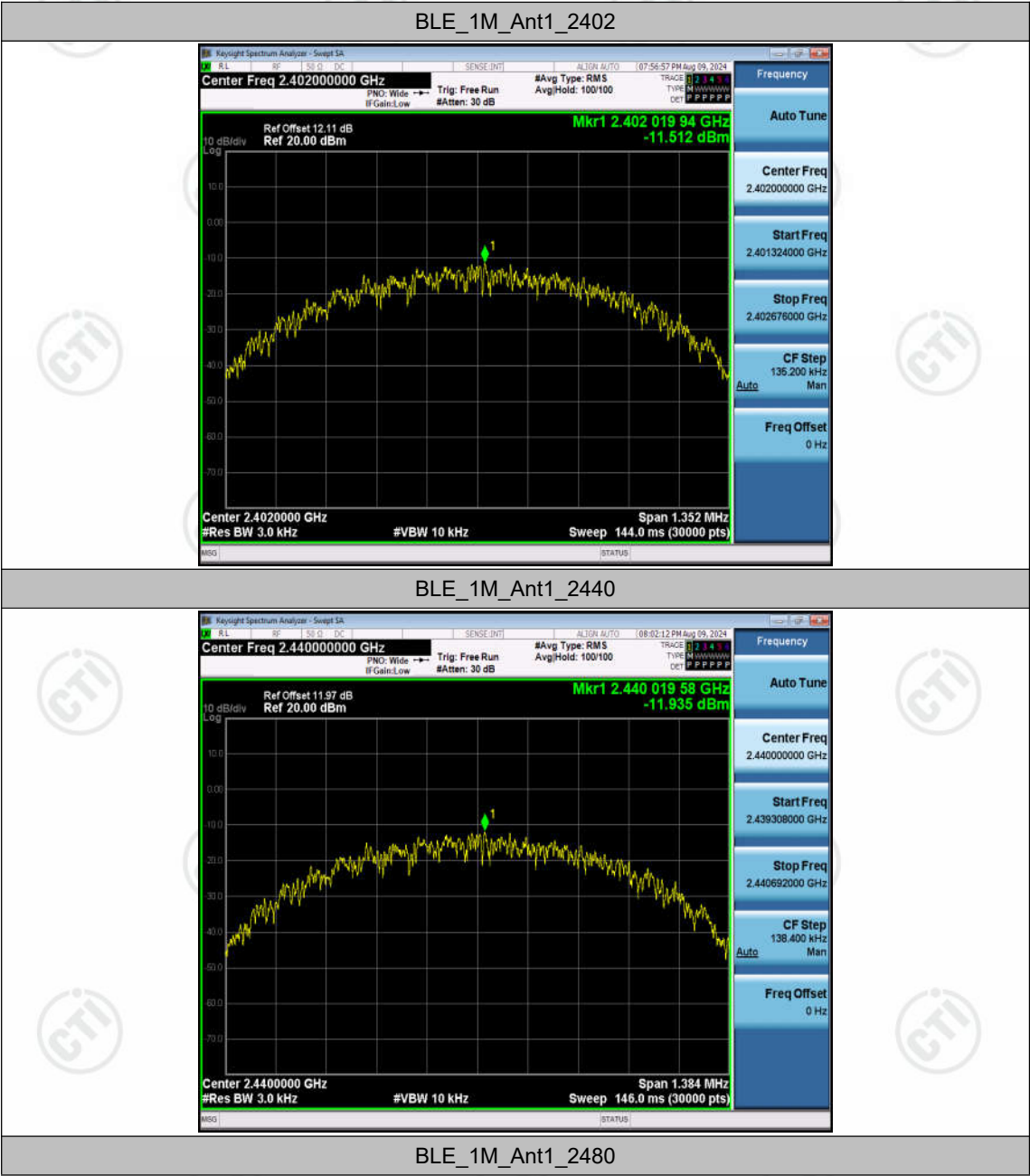


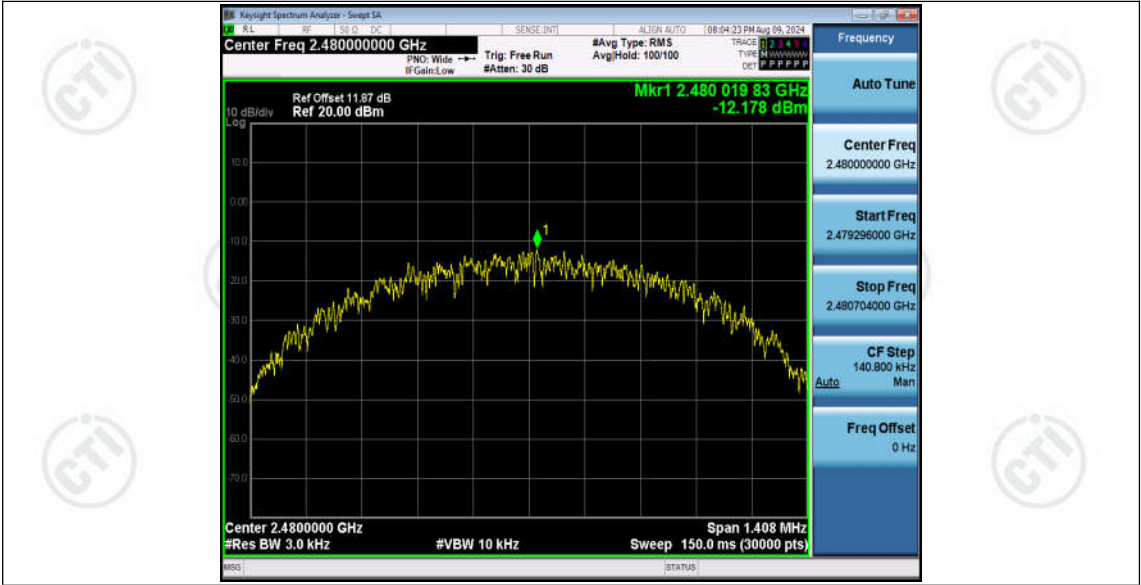
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.51	≤8.00	PASS
		2440	-11.94	≤8.00	PASS
		2480	-12.18	≤8.00	PASS

Test Graphs



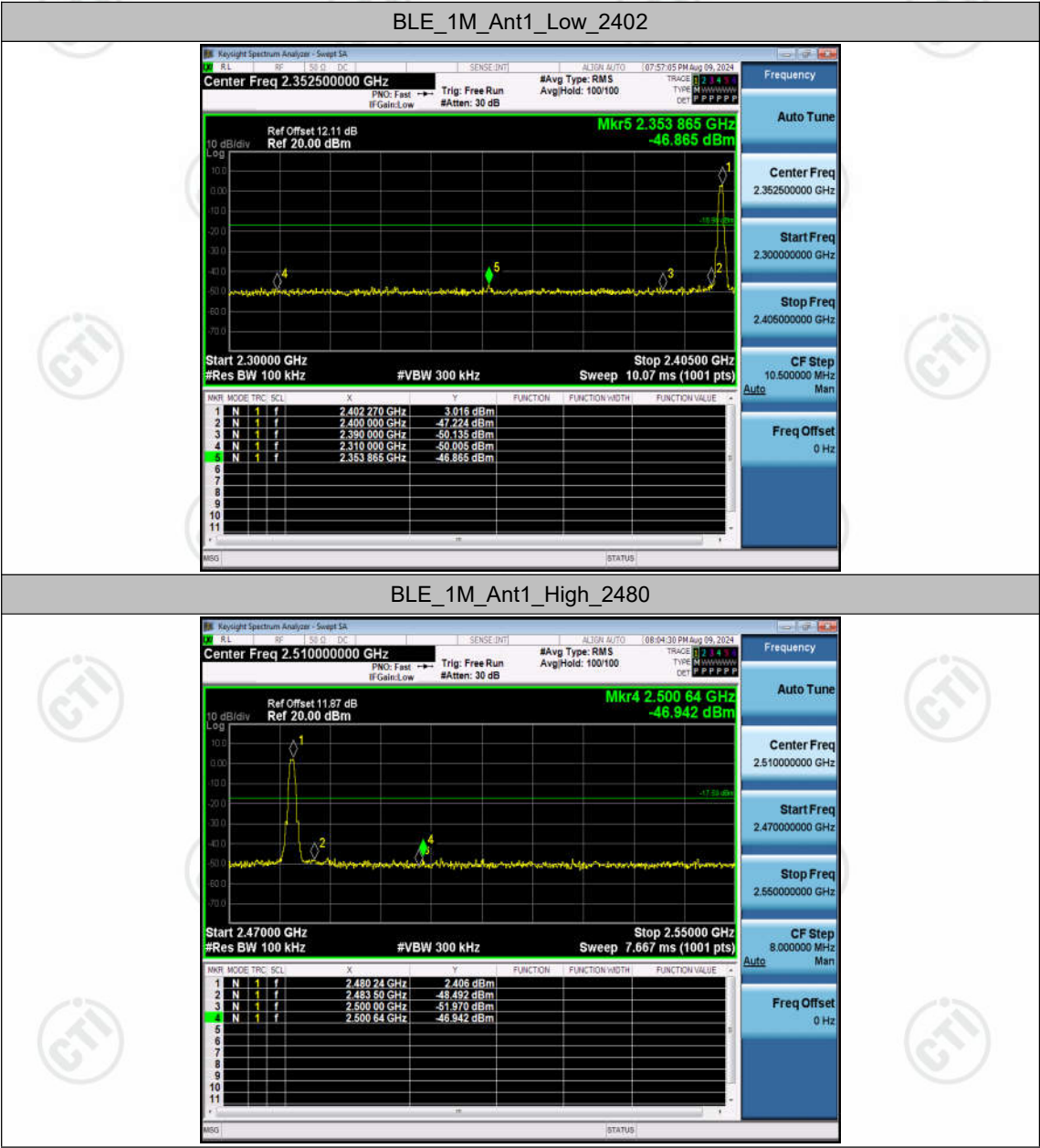


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.02	-46.87	≤-16.98	PASS
		High	2480	2.41	-46.94	≤-17.59	PASS

Test Graphs

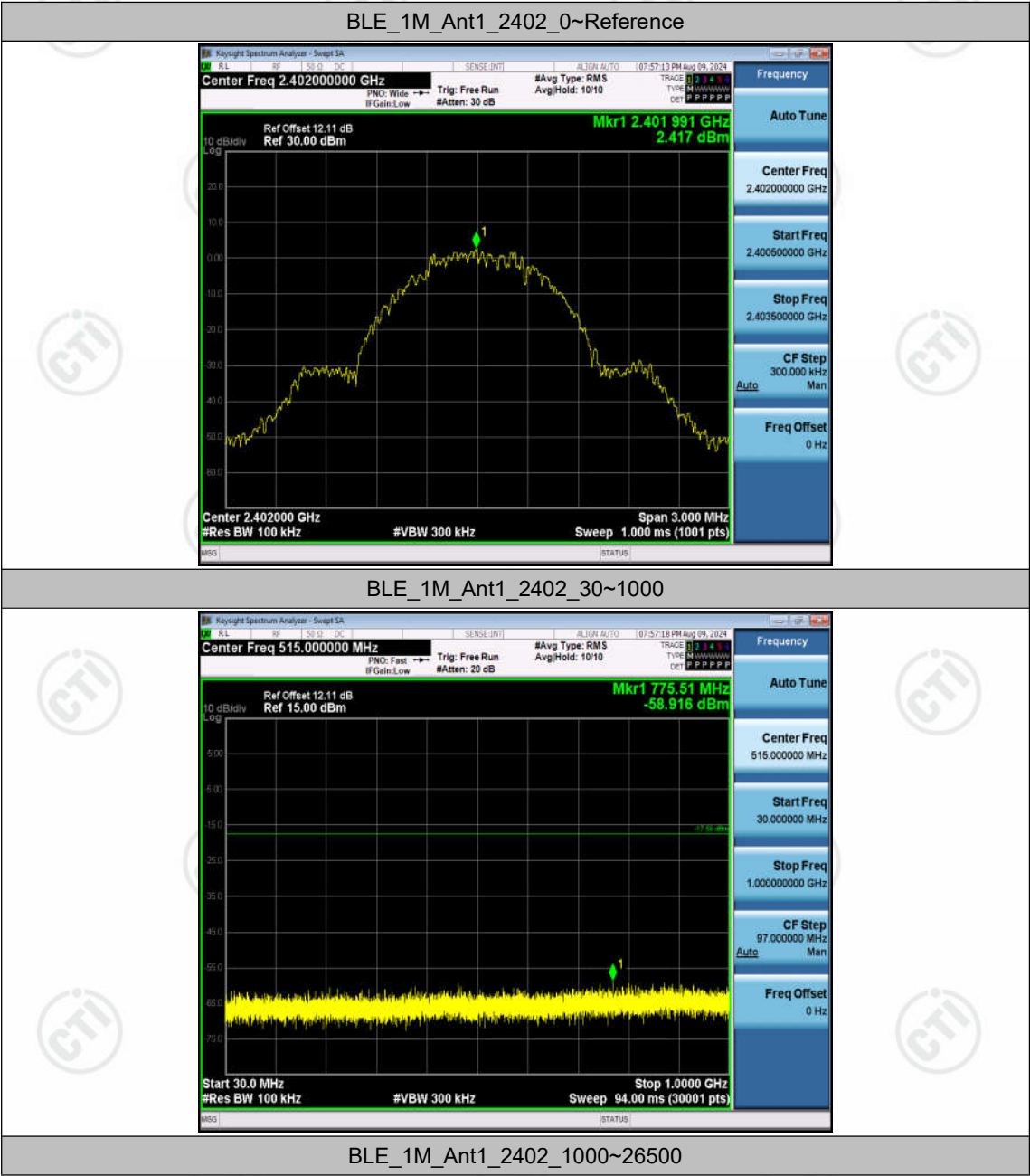


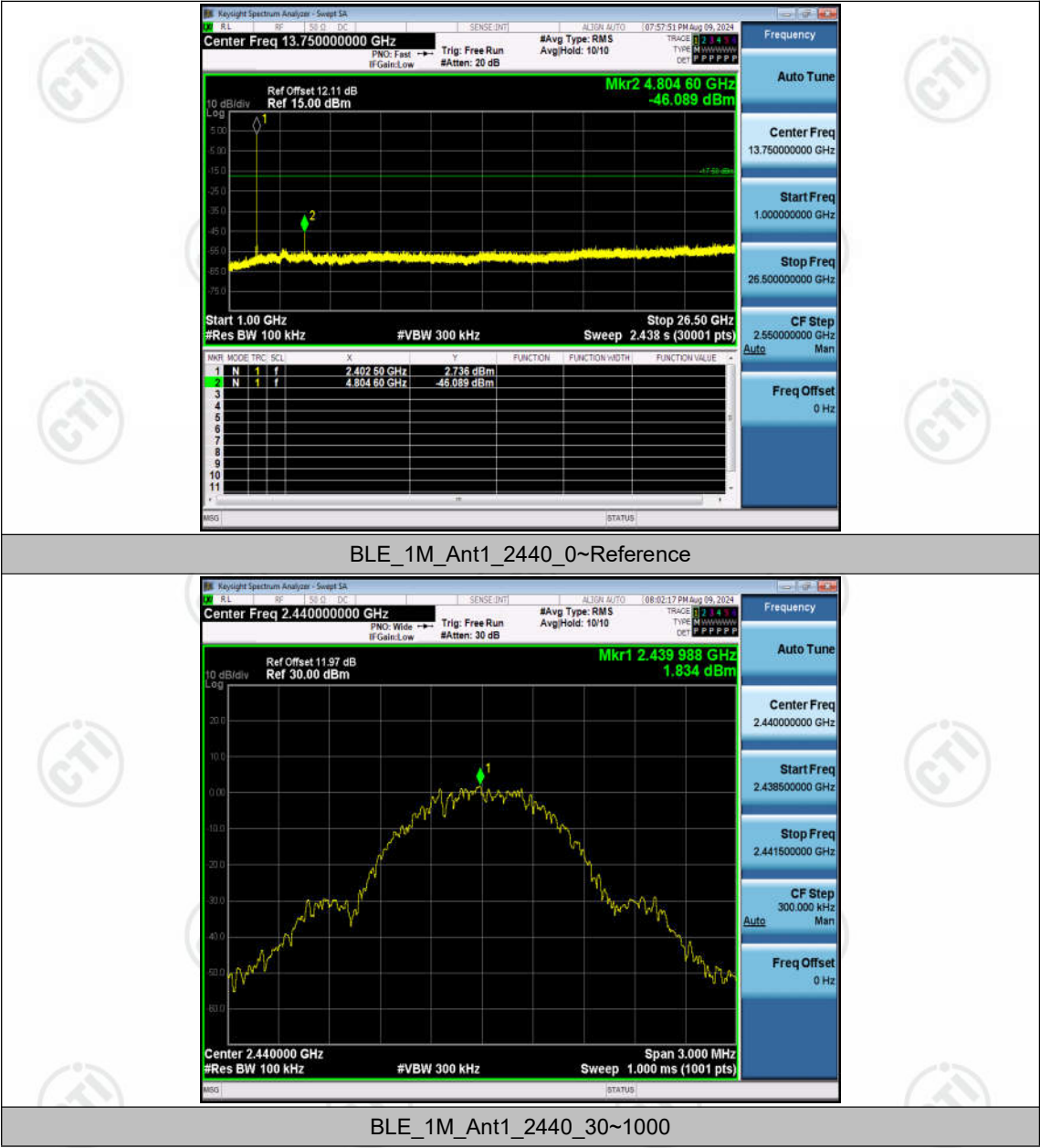
Appendix F: Conducted Spurious Emission

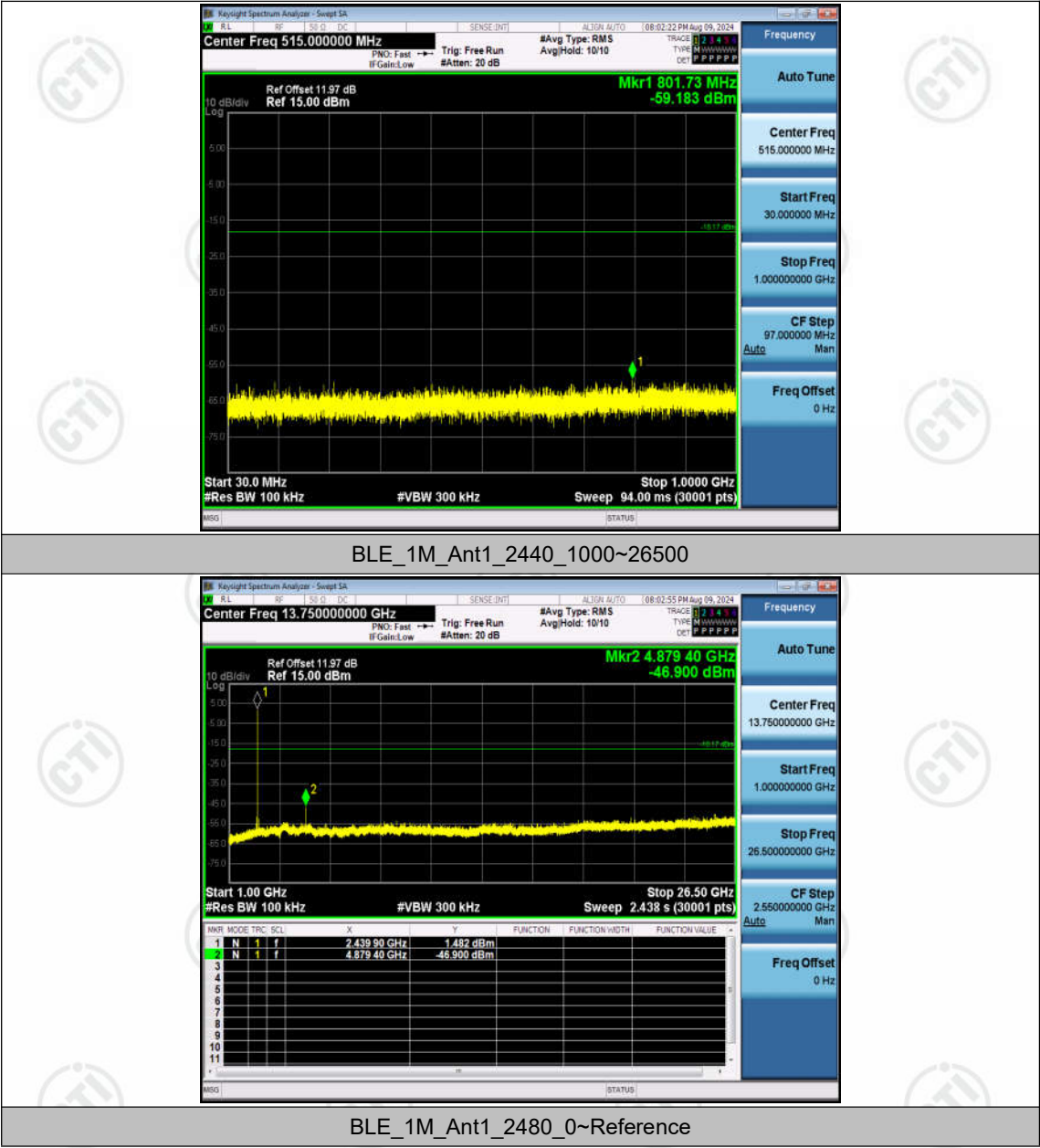
Test Result

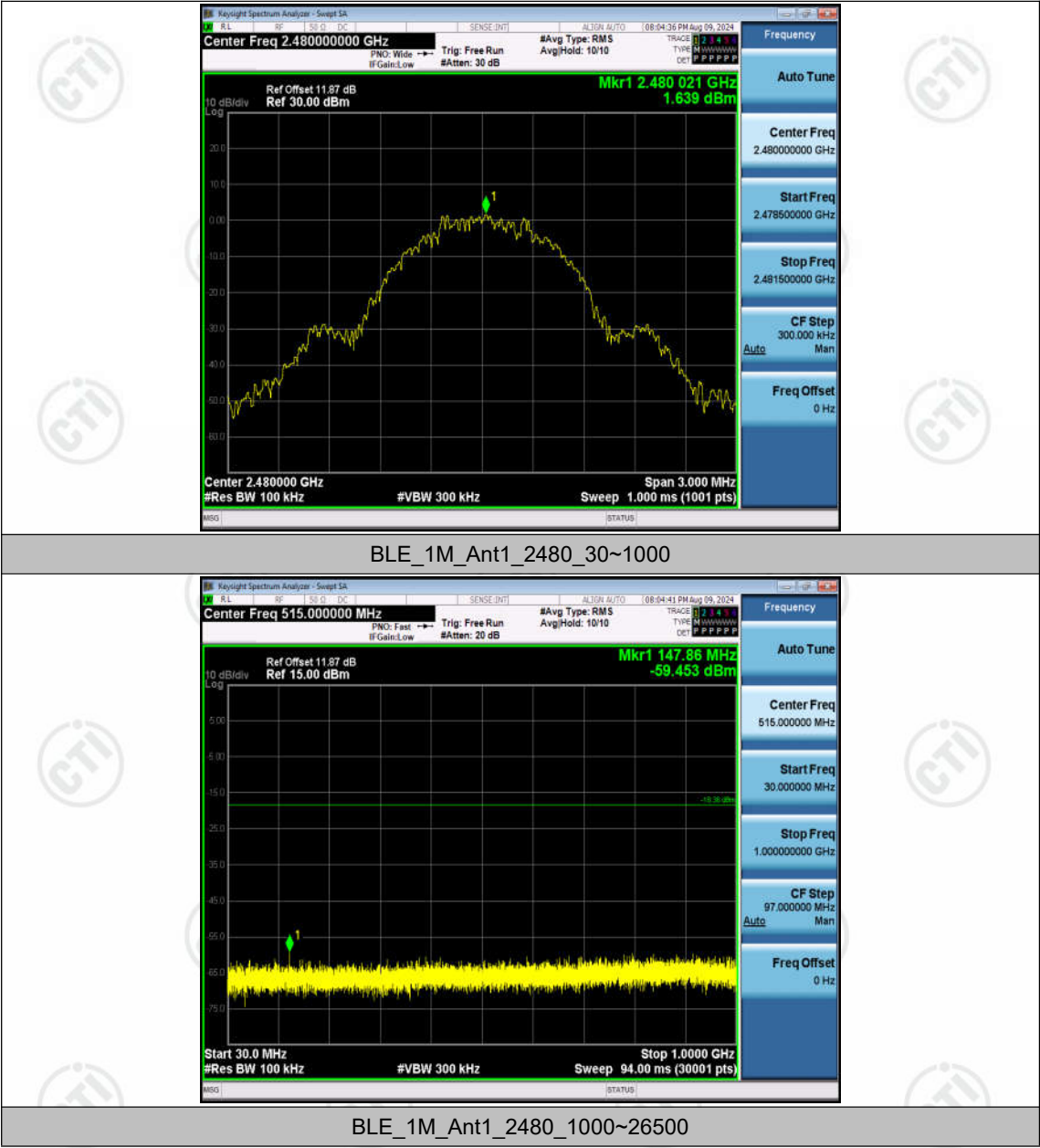
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.42	2.42	---	PASS
			30~1000	2.42	-58.92	≤-17.58	PASS
			1000~26500	2.42	-46.09	≤-17.58	PASS
		2440	Reference	1.83	1.83	---	PASS
			30~1000	1.83	-59.18	≤-18.17	PASS
			1000~26500	1.83	-46.9	≤-18.17	PASS
		2480	Reference	1.64	1.64	---	PASS
			30~1000	1.64	-59.45	≤-18.36	PASS
			1000~26500	1.64	-47.46	≤-18.36	PASS

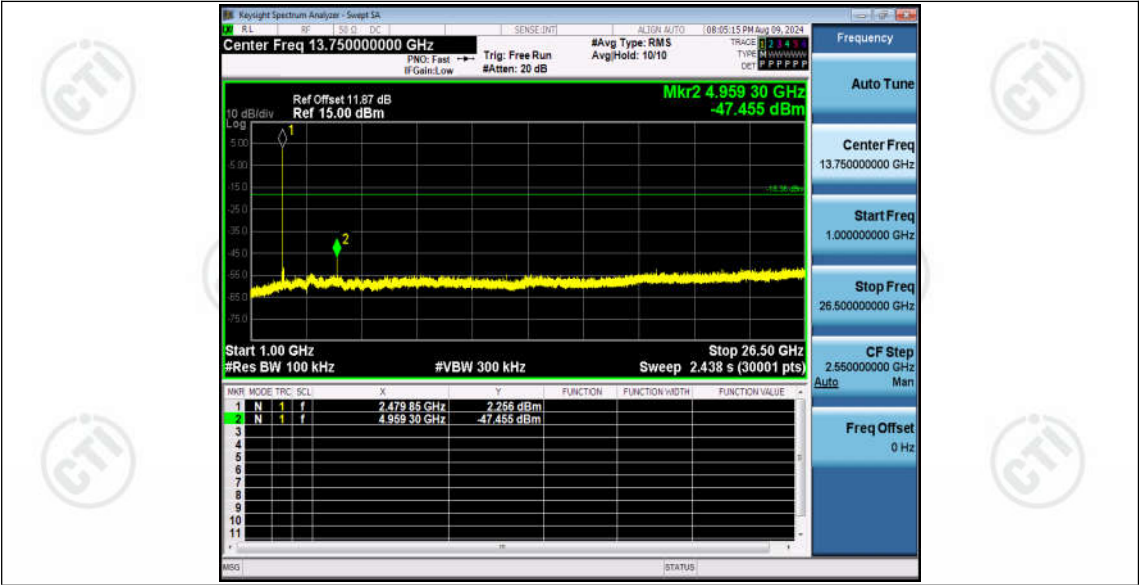
Test Graphs









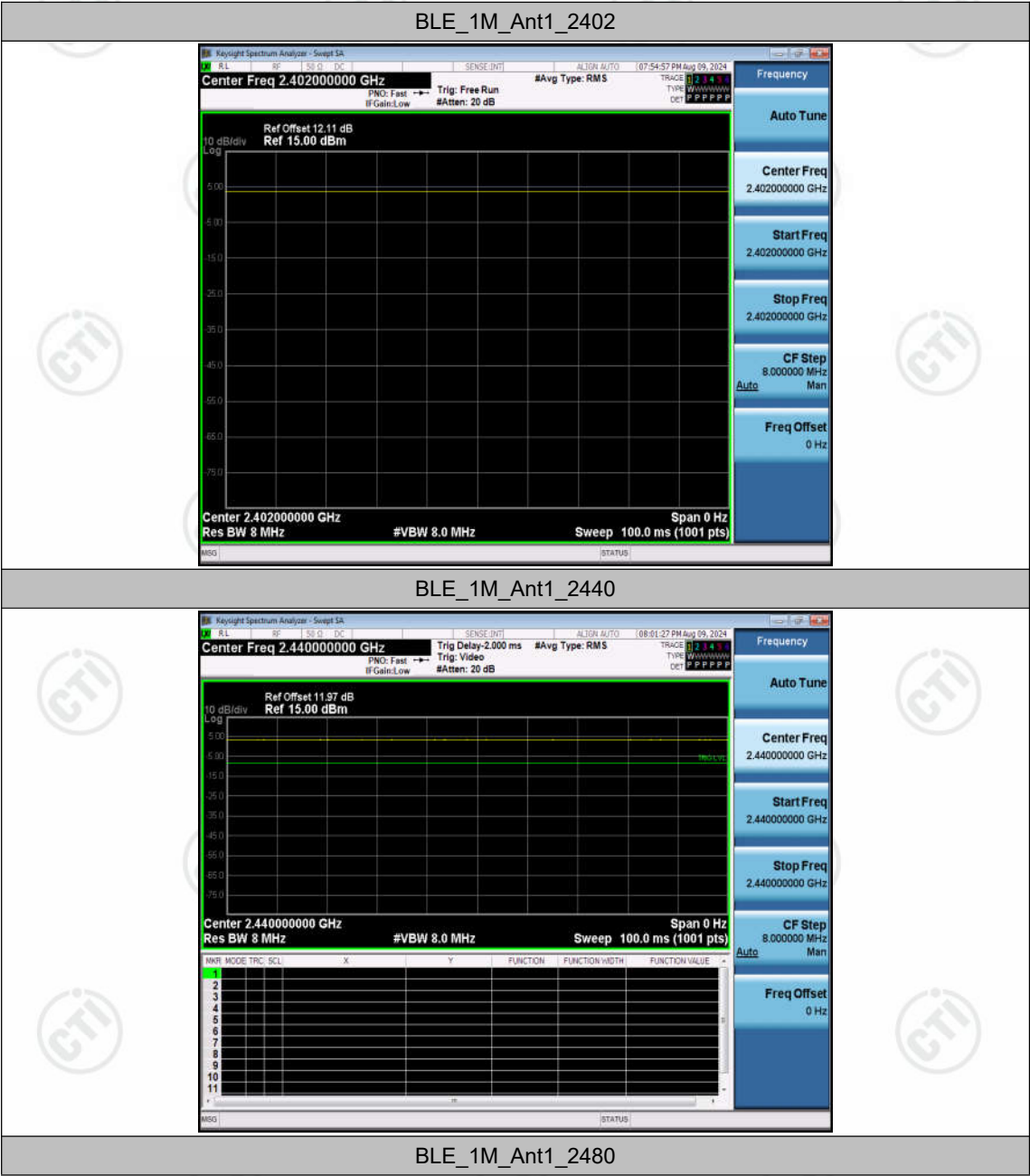


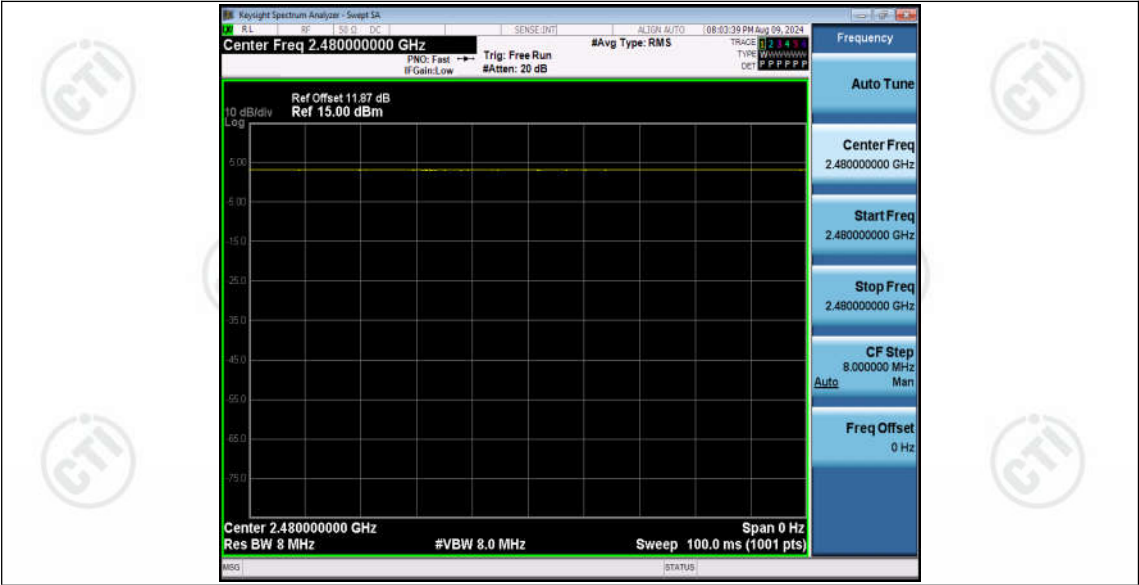
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.00	0.00	100	NaN
		2440	100.00	100.00	100.00	0.00
		2480	0.00	0.00	100	NaN

Test Graphs





*** End of Report ***