

Appendix: Bluetooth LE

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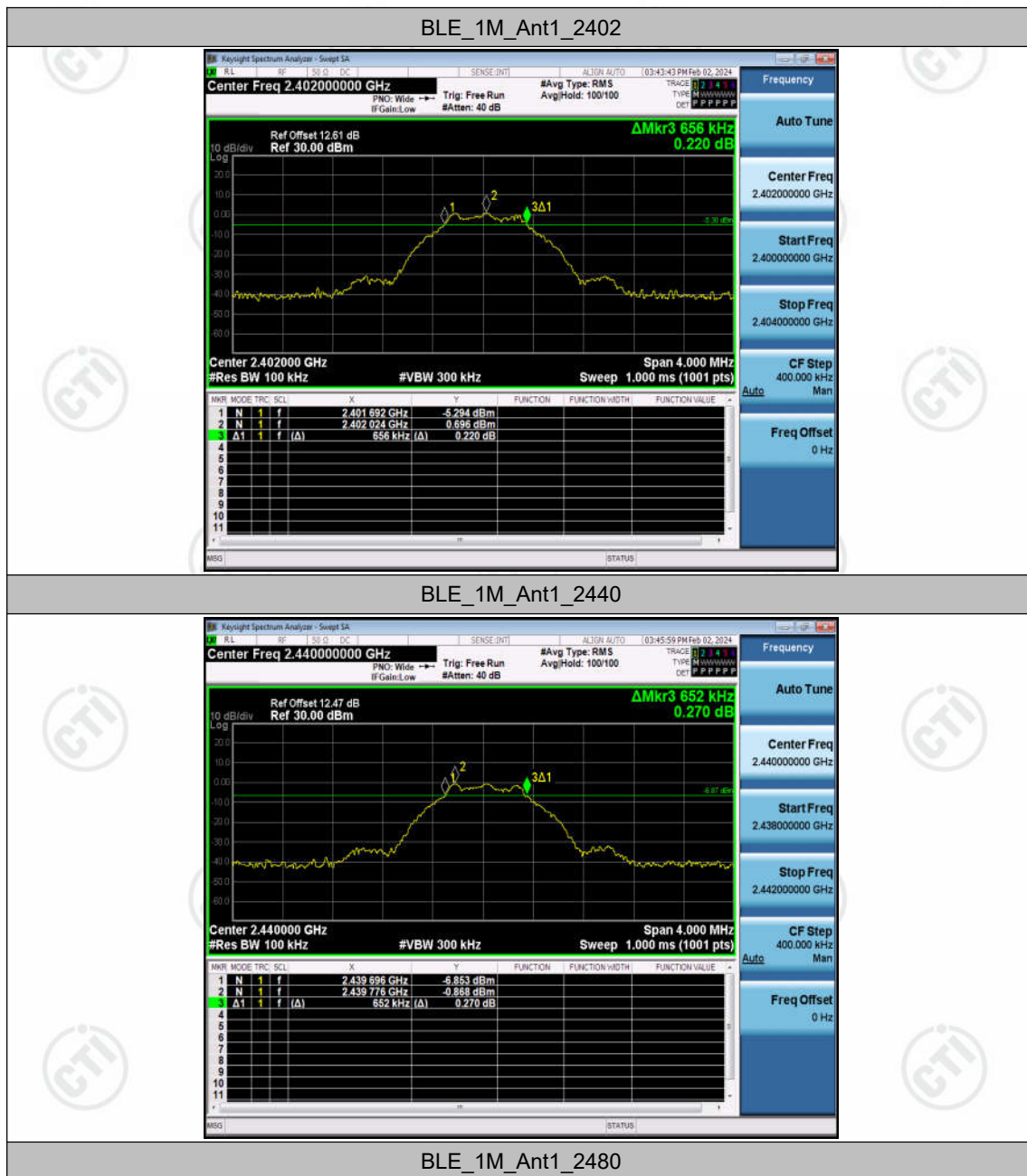
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Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.692	2402.348	0.5	PASS
		2440	0.652	2439.696	2440.348	0.5	PASS
		2480	0.648	2479.696	2480.344	0.5	PASS

Test Graphs



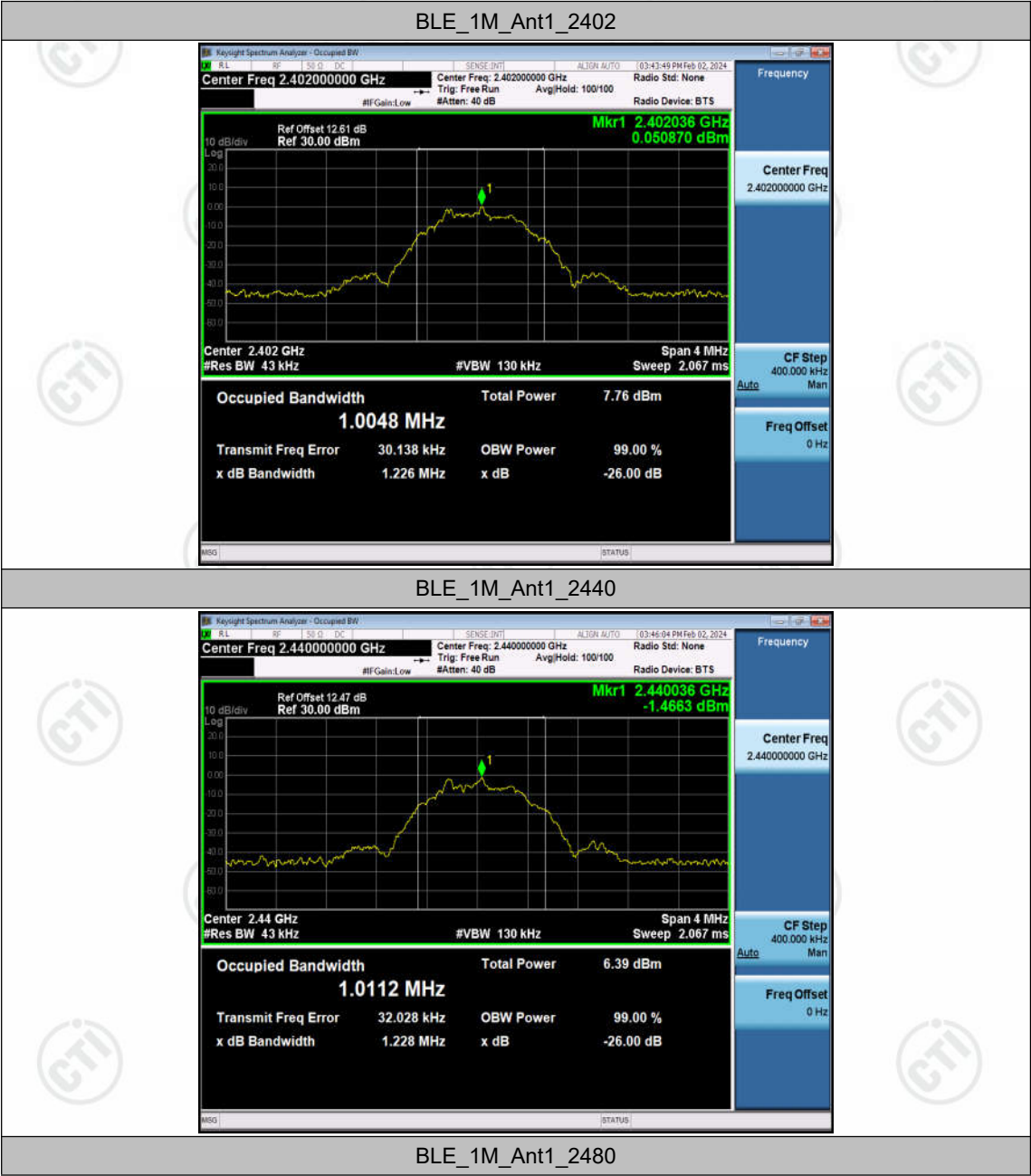


Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0048	2401.5277	2402.5325	---	---
		2440	1.0112	2439.5264	2440.5376	---	---
		2480	1.0004	2479.5305	2480.5309	---	---

Test Graphs



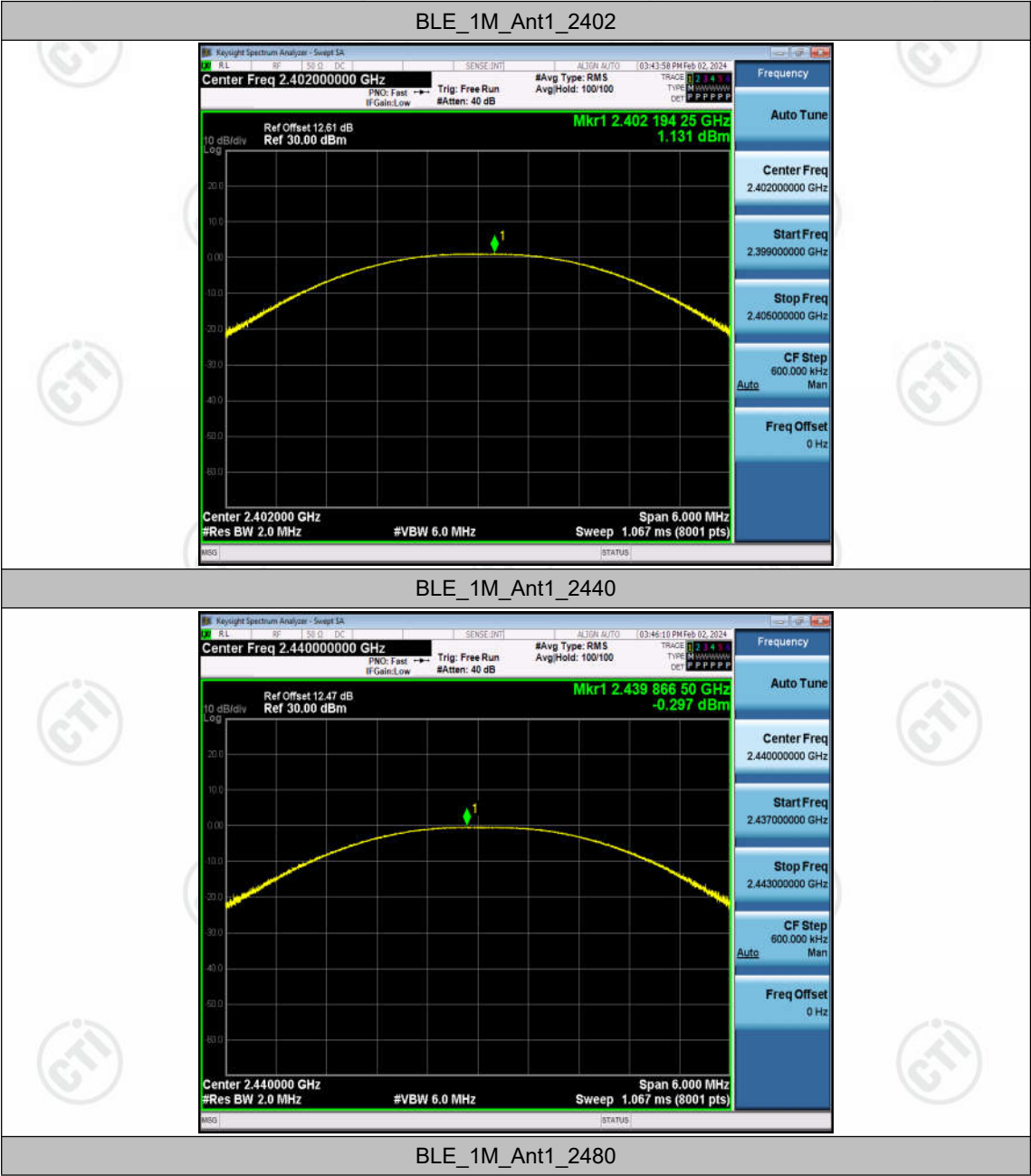


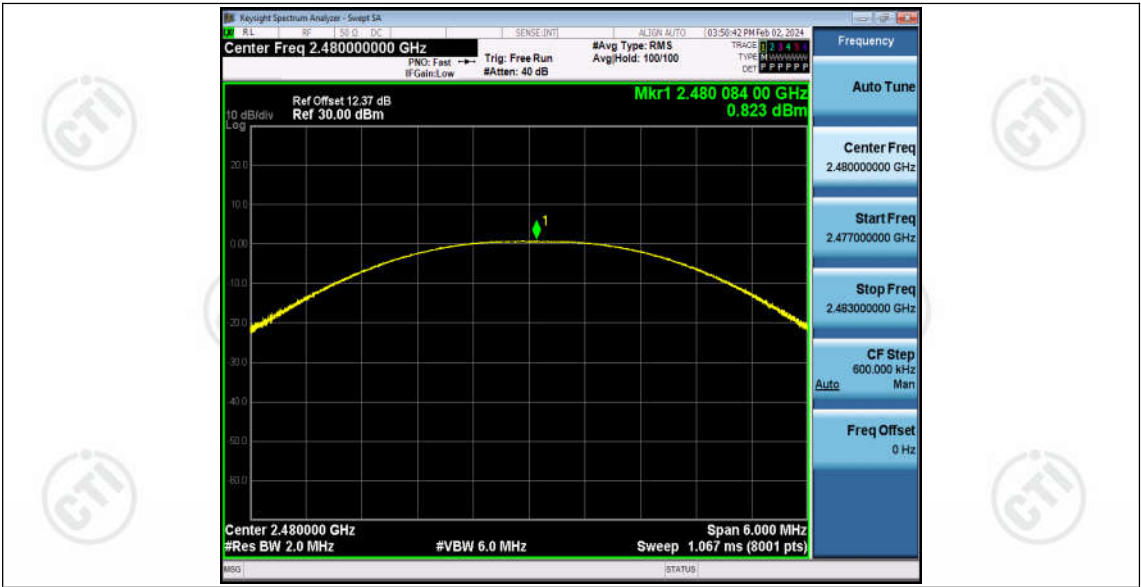
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.13	≤30	PASS
		2440	-0.3	≤30	PASS
		2480	0.82	≤30	PASS

Test Graphs Peak



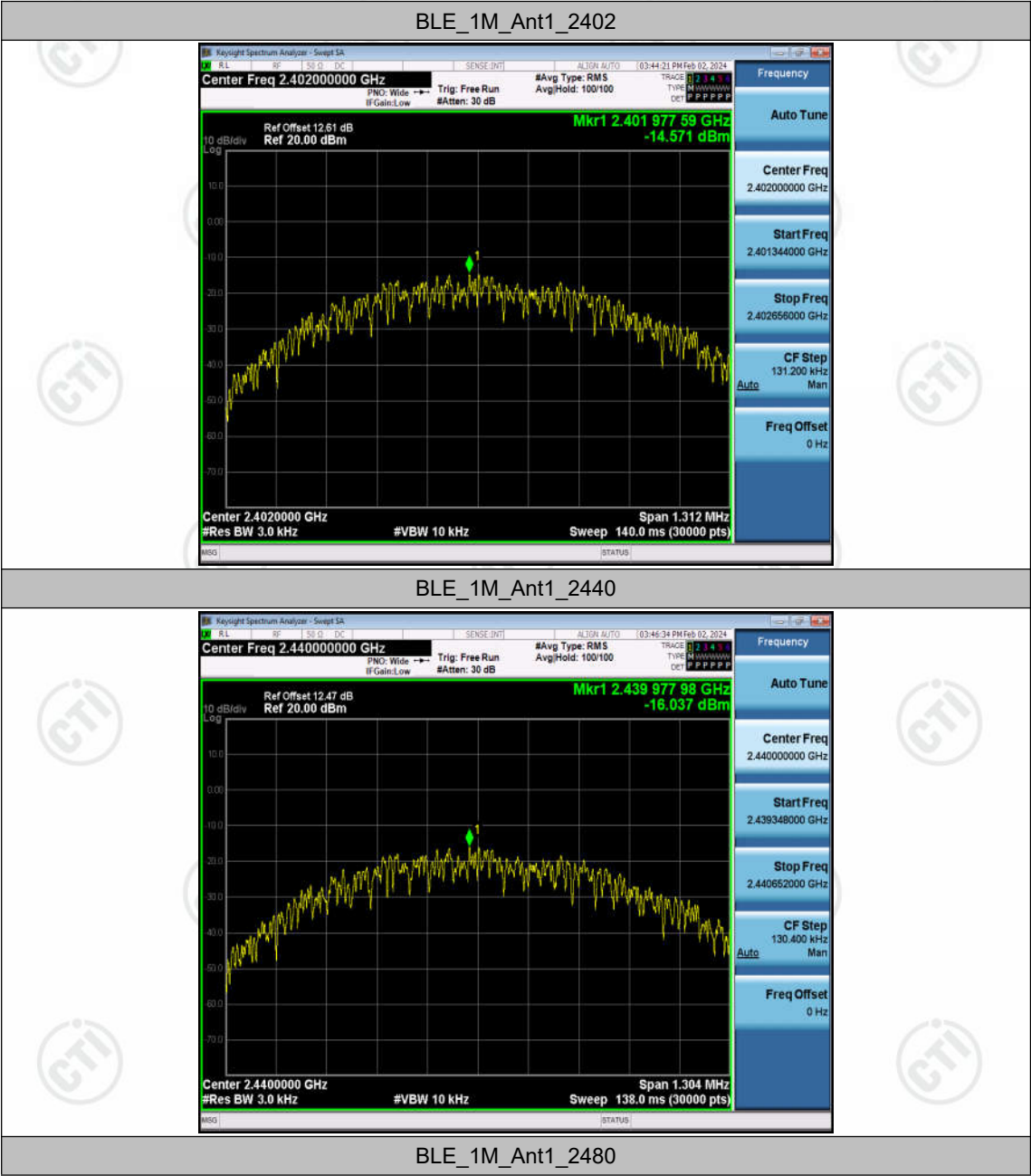


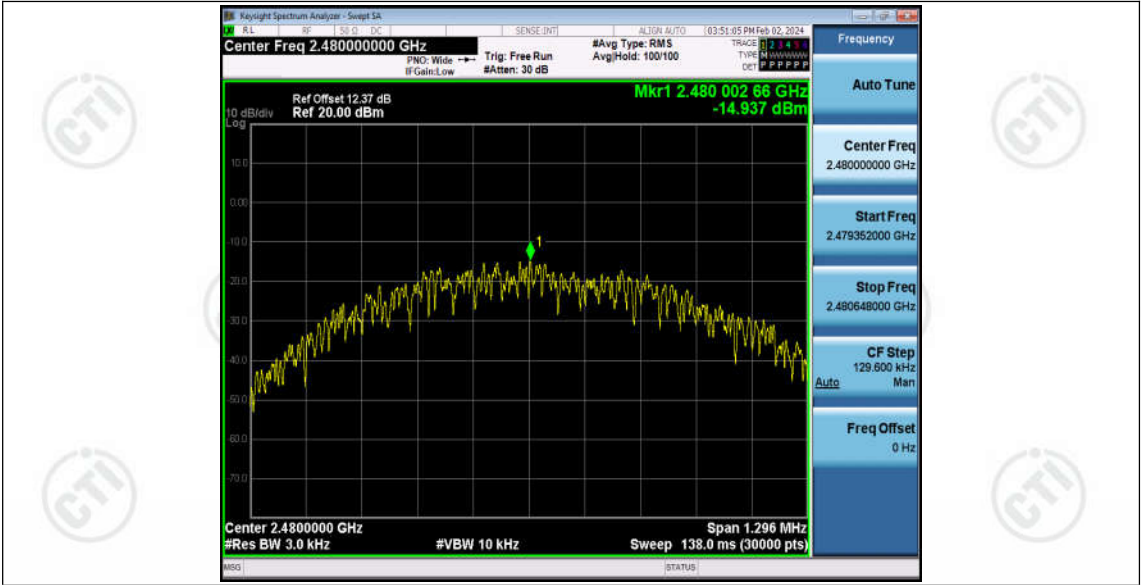
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.57	≤8.00	PASS
		2440	-16.04	≤8.00	PASS
		2480	-14.94	≤8.00	PASS

Test Graphs



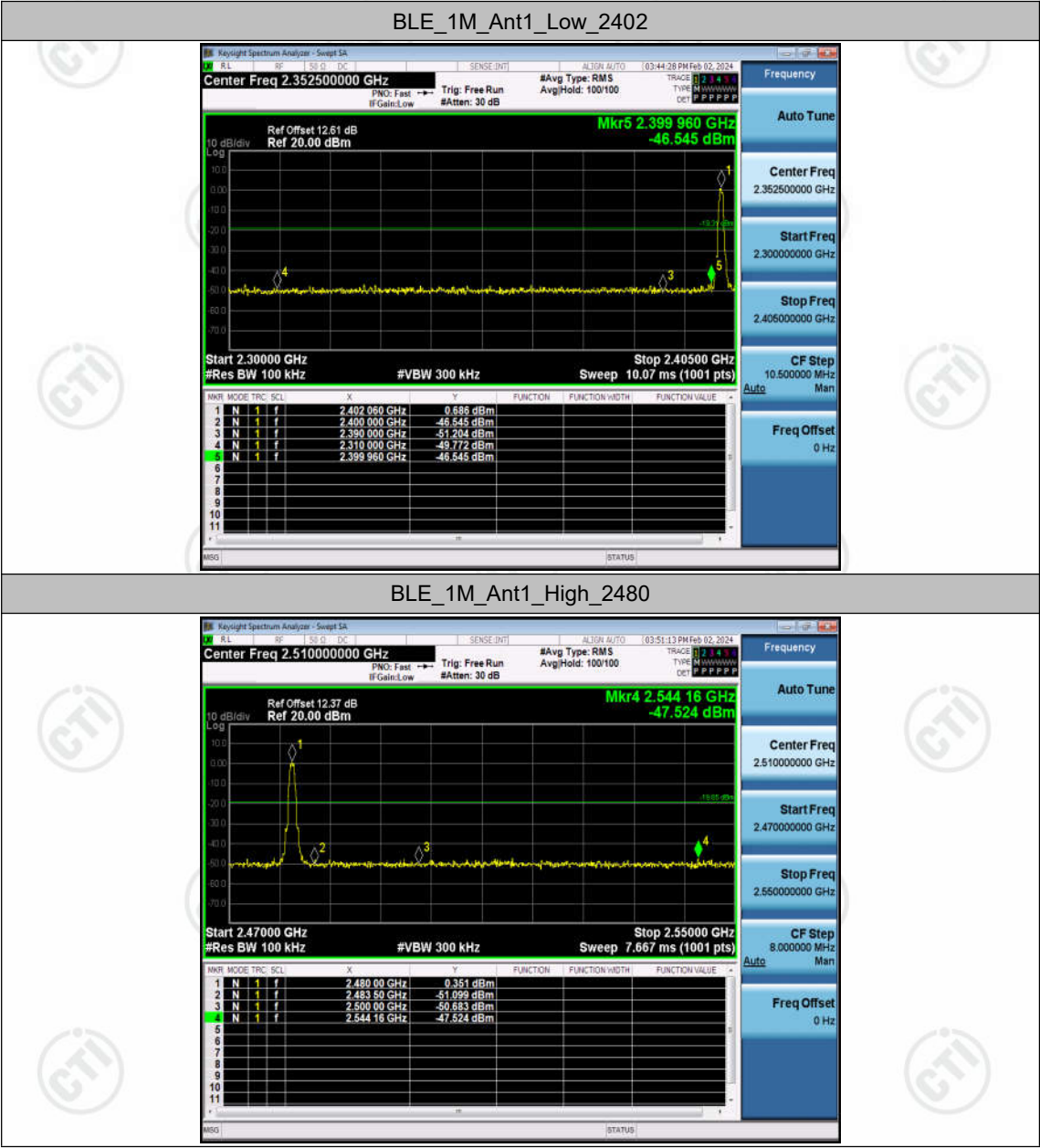


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.69	-46.55	≤-19.31	PASS
		High	2480	0.35	-47.52	≤-19.65	PASS

Test Graphs



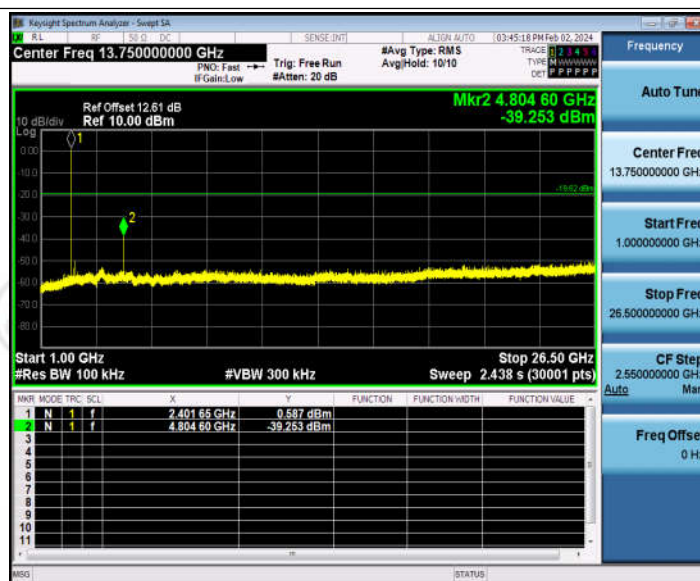
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.38	0.38	---	PASS
			30~1000	0.38	-52.93	≤-19.62	PASS
			1000~26500	0.38	-39.25	≤-19.62	PASS
		2440	Reference	-1.65	-1.65	---	PASS
			30~1000	-1.65	-53.31	≤-21.65	PASS
			1000~26500	-1.65	-39.46	≤-21.65	PASS
		2480	Reference	-0.45	-0.45	---	PASS
			30~1000	-0.45	-53.78	≤-20.45	PASS
			1000~26500	-0.45	-35.07	≤-20.45	PASS

Test Graphs

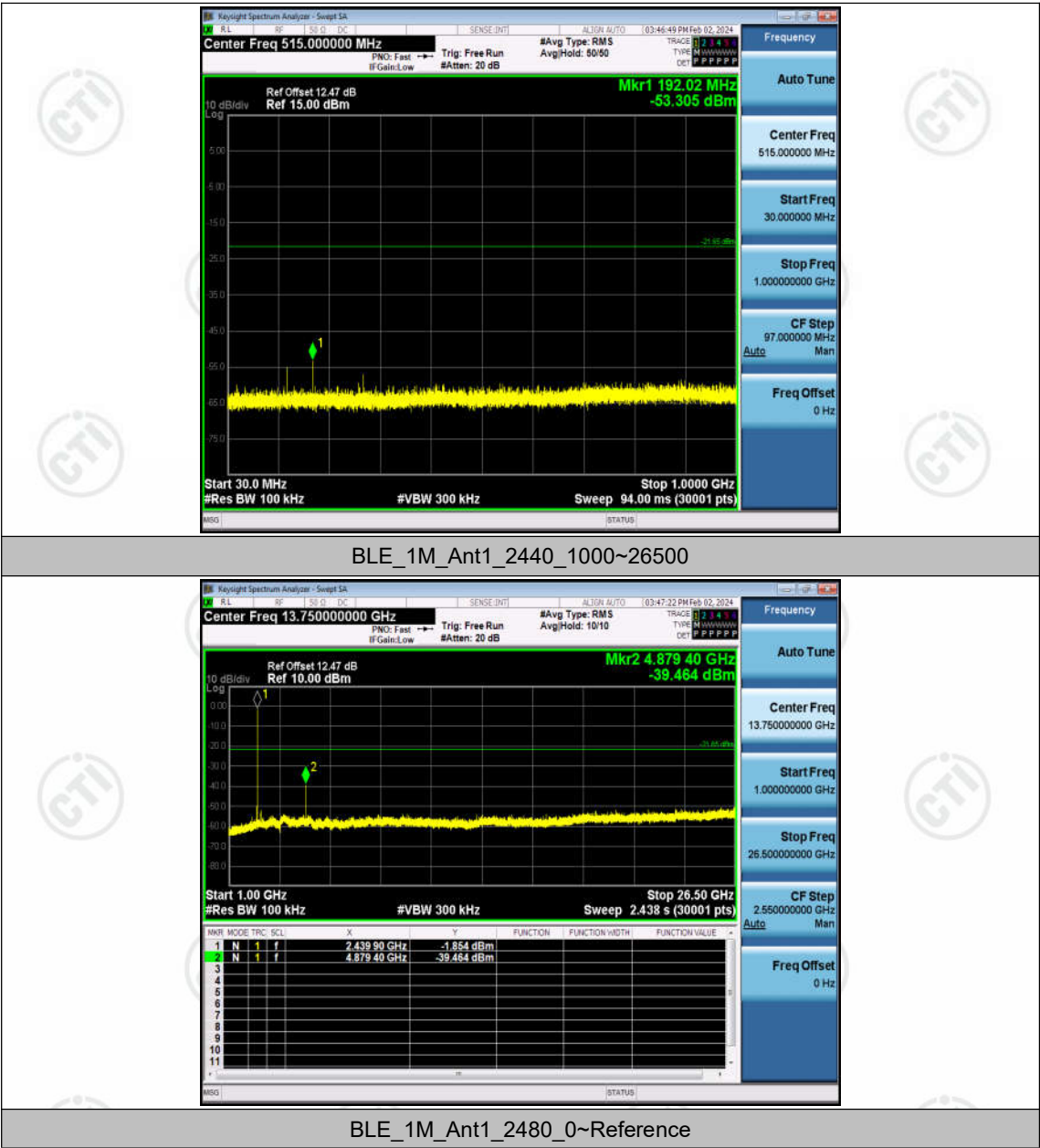




BLE_1M_Ant1_2440_0~Reference

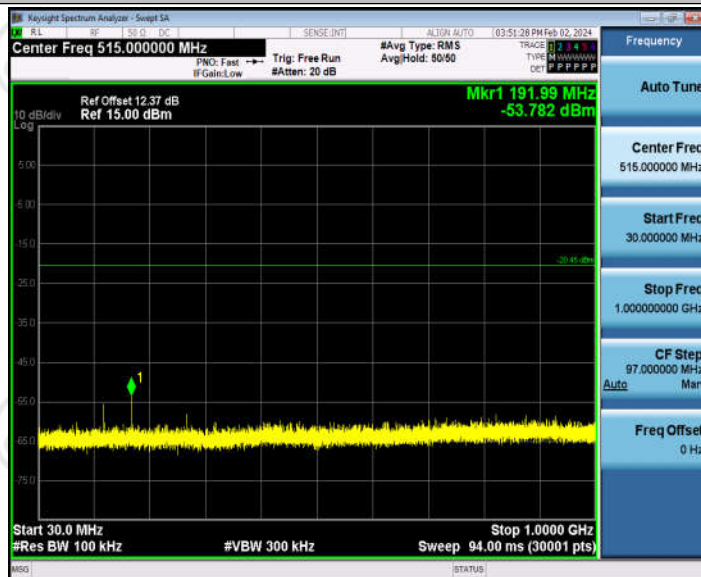


BLE_1M_Ant1_2440_30~1000

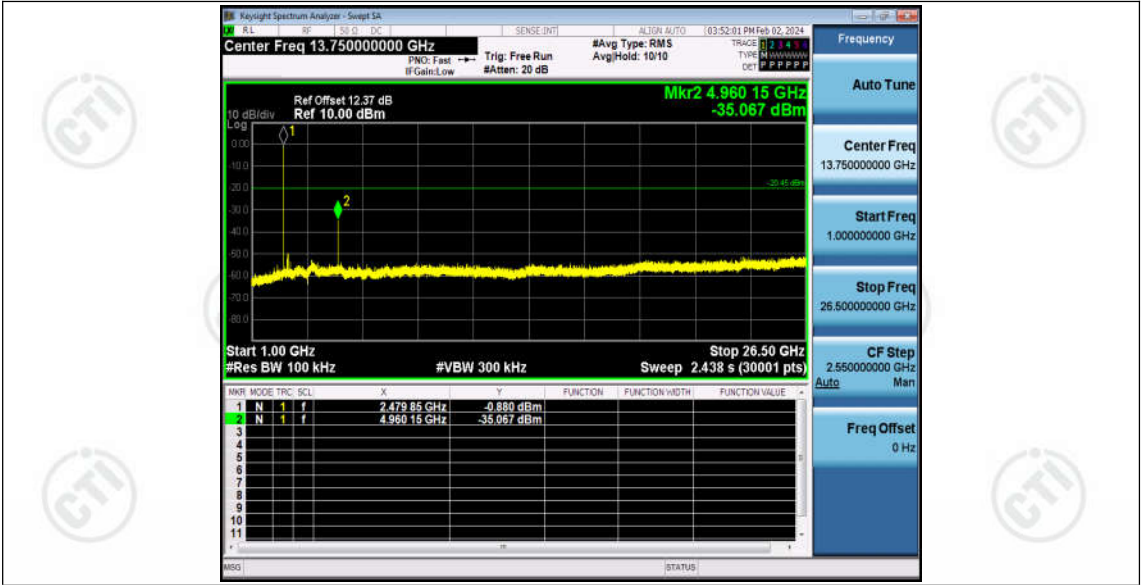




BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

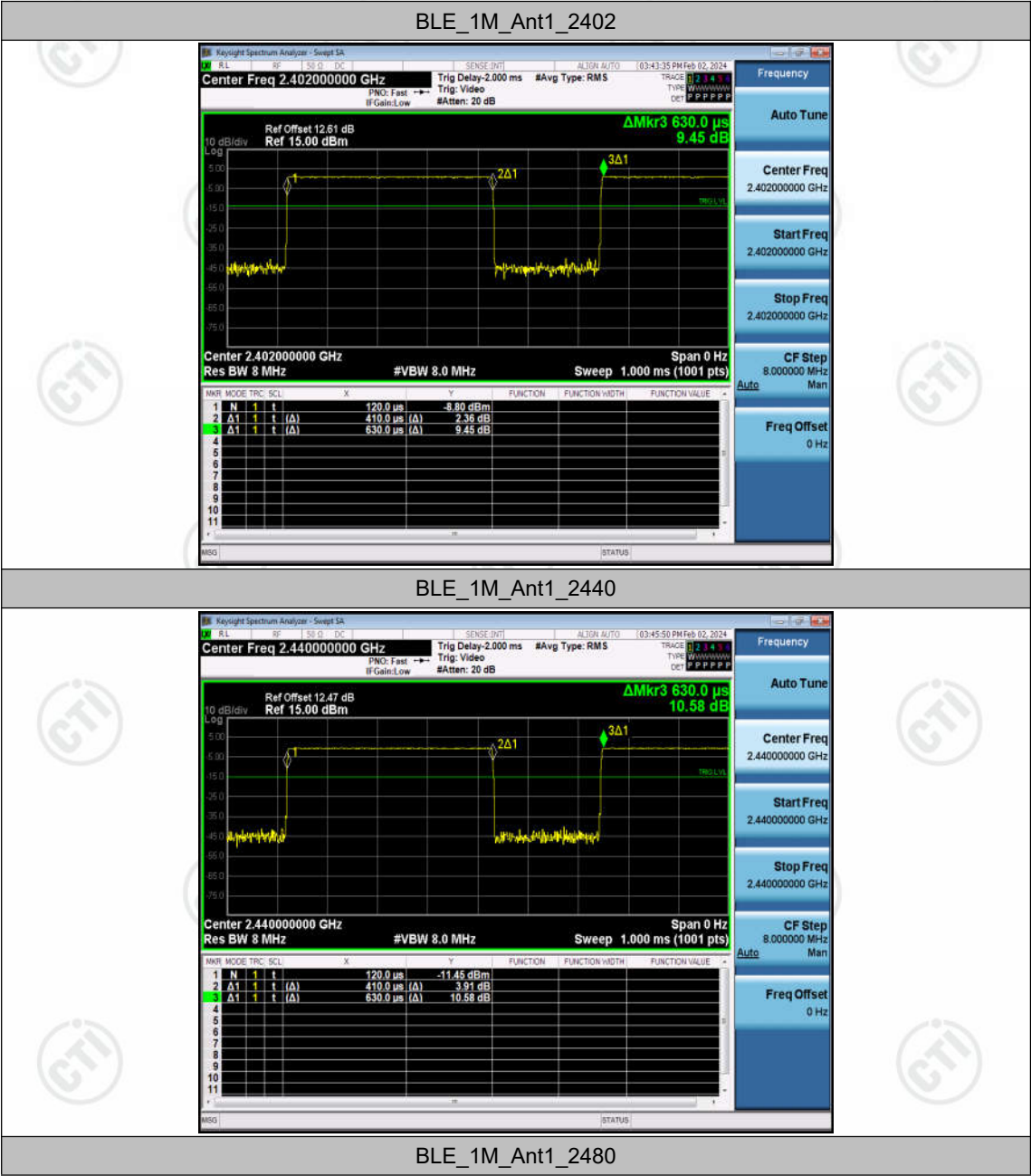


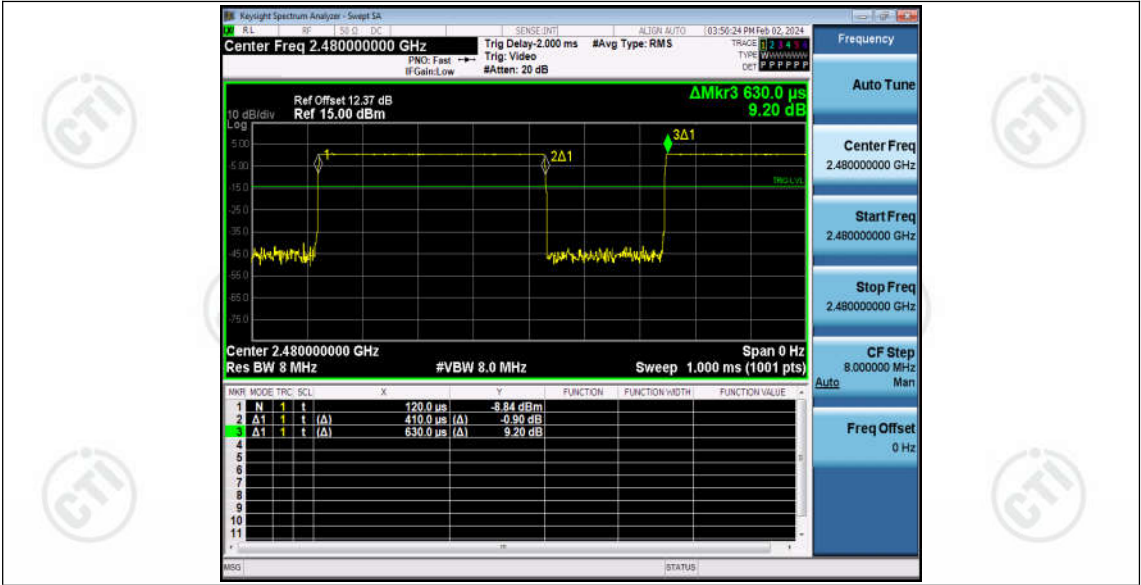
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.63	65.08	1.87
		2440	0.41	0.63	65.08	1.87
		2480	0.41	0.63	65.08	1.87

Test Graphs





*** End of Report ***