

Appendix: Bluetooth LE

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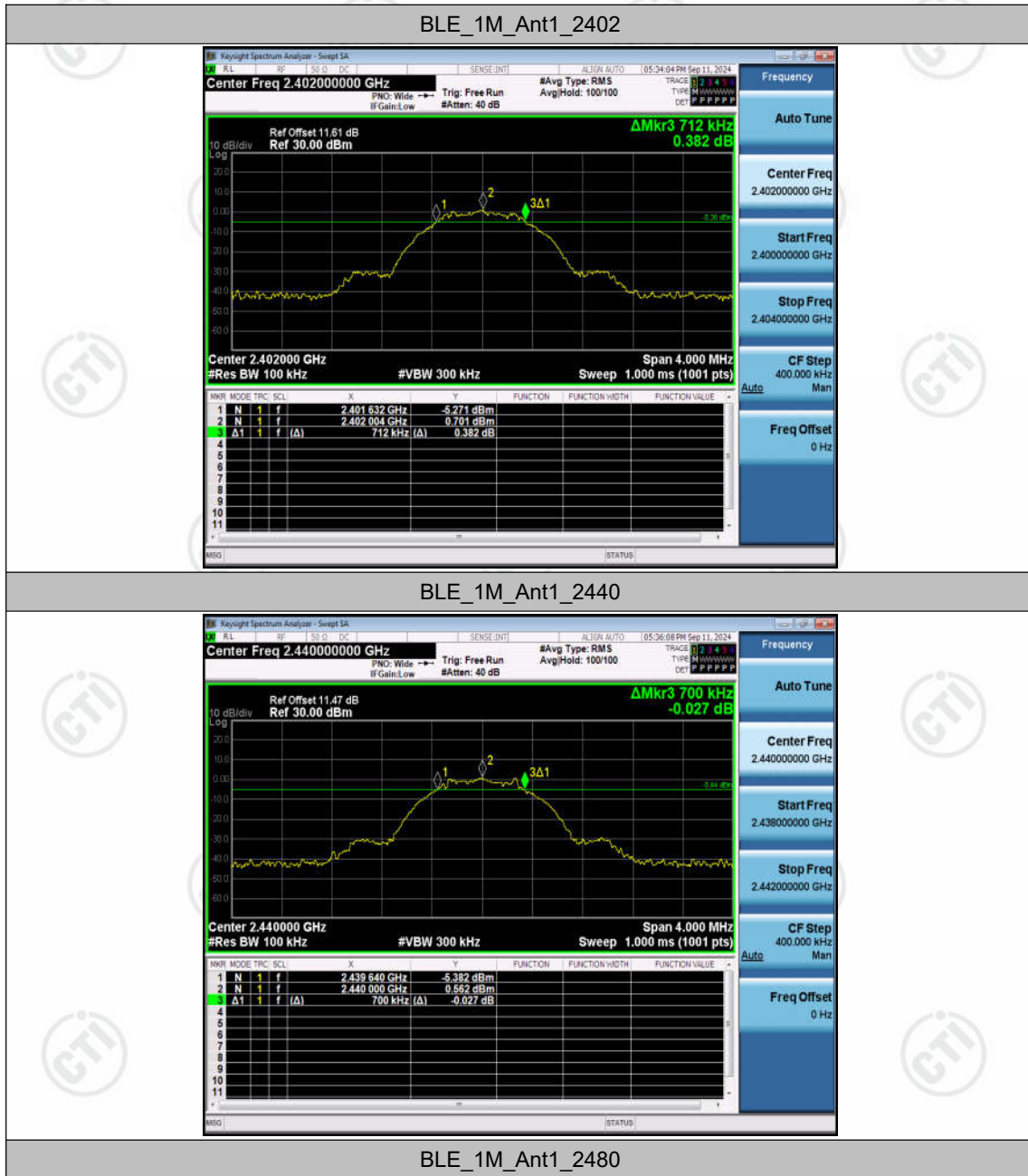
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## Appendix A: DTS Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.632	2402.344	0.5	PASS
		2440	0.700	2439.640	2440.340	0.5	PASS
		2480	0.716	2479.644	2480.360	0.5	PASS

## Test Graphs



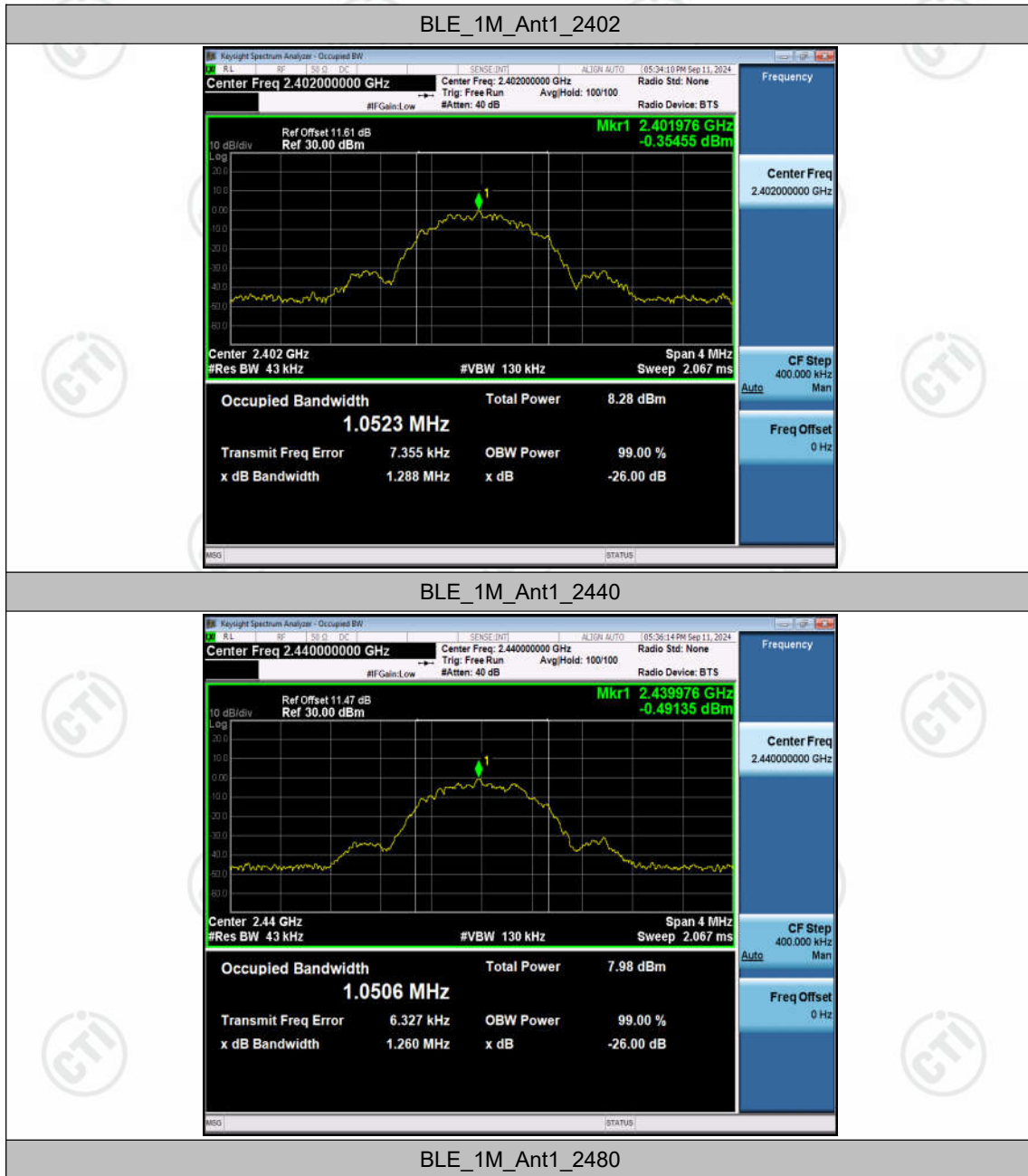


## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0523	2401.4812	2402.5335	---	---
		2440	1.0506	2439.4810	2440.5316	---	---
		2480	1.0482	2479.4851	2480.5333	---	---

## Test Graphs





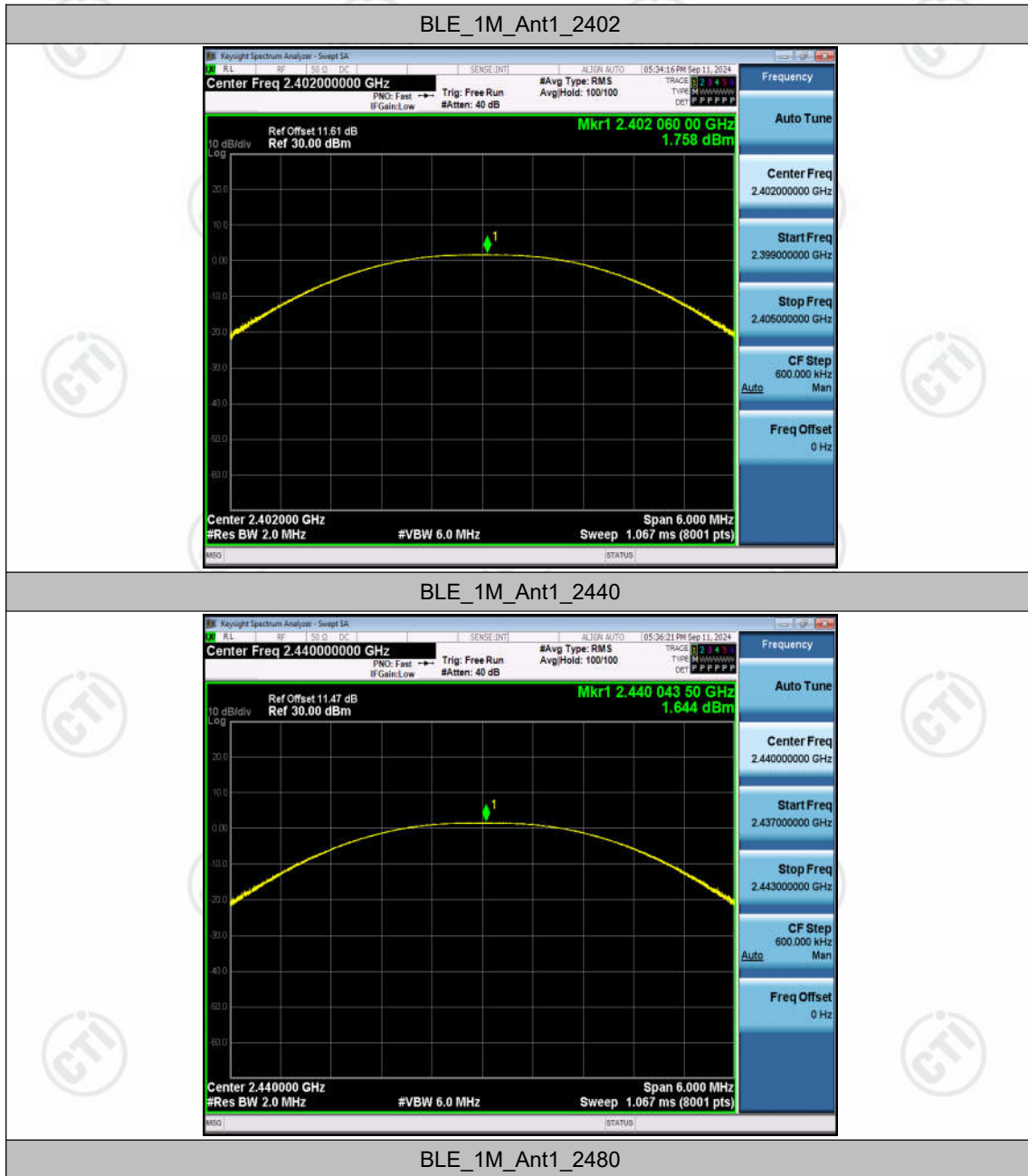


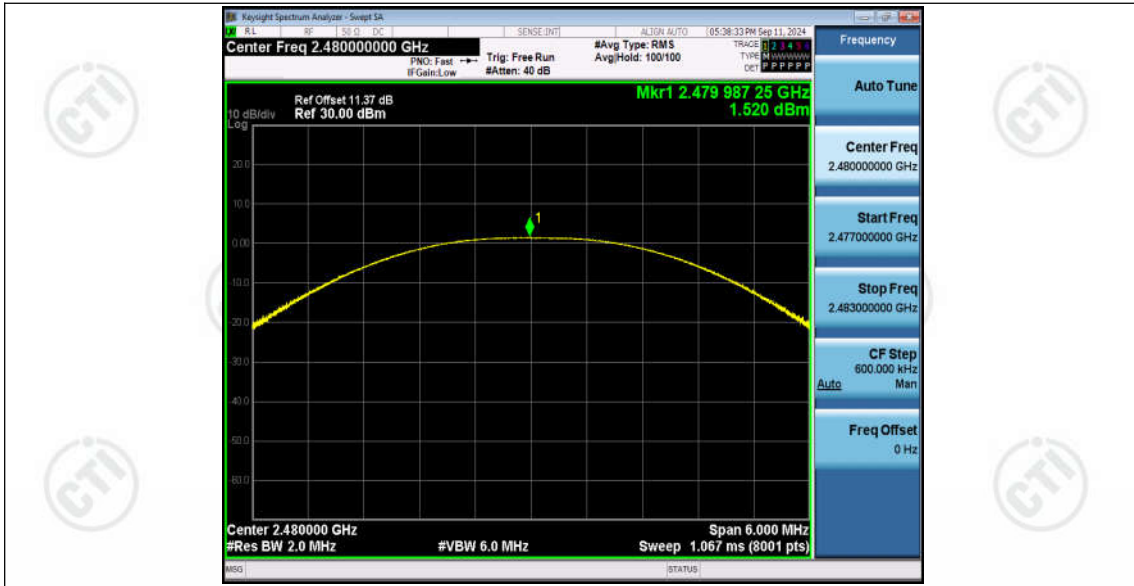
## Appendix C: Maximum conducted output power

### Test Result

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	<b>1.76</b>	≤30	PASS
		2440	1.64	≤30	PASS
		2480	1.52	≤30	PASS

## Test Graphs Peak



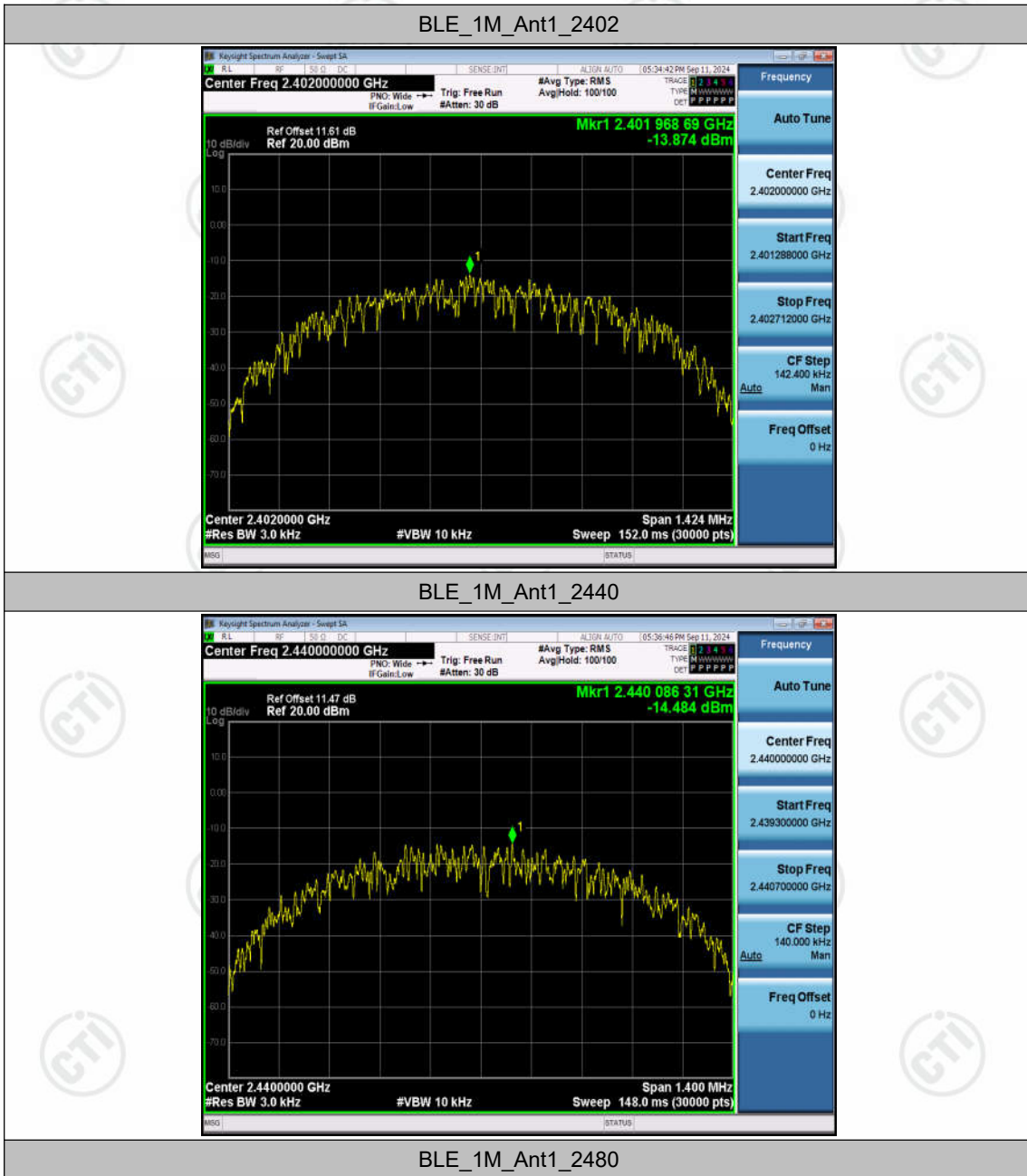


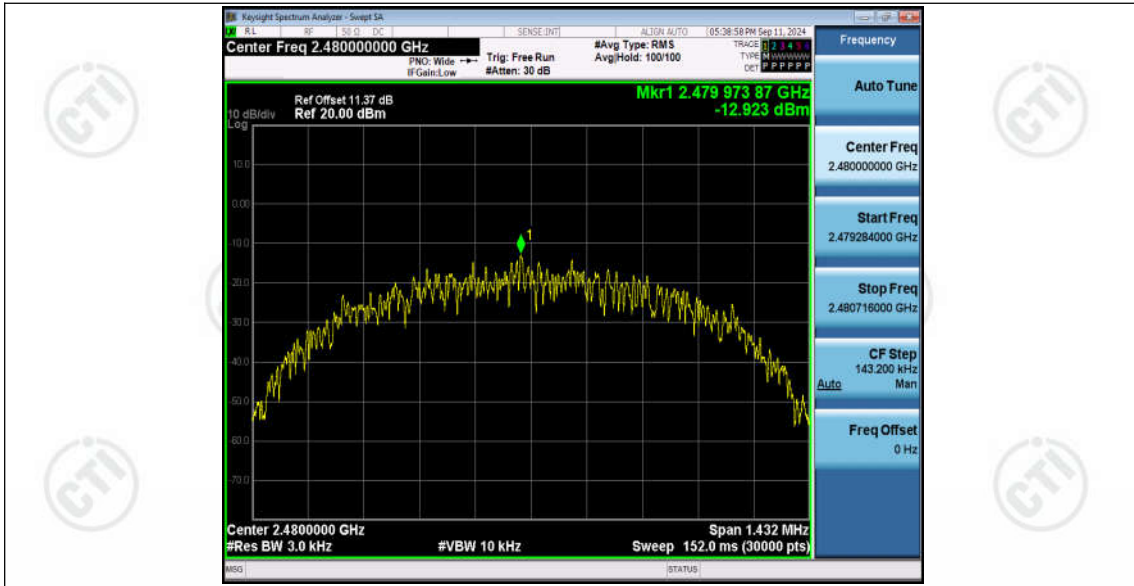
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.87	≤8.00	PASS
		2440	-14.48	≤8.00	PASS
		2480	-12.92	≤8.00	PASS

## Test Graphs

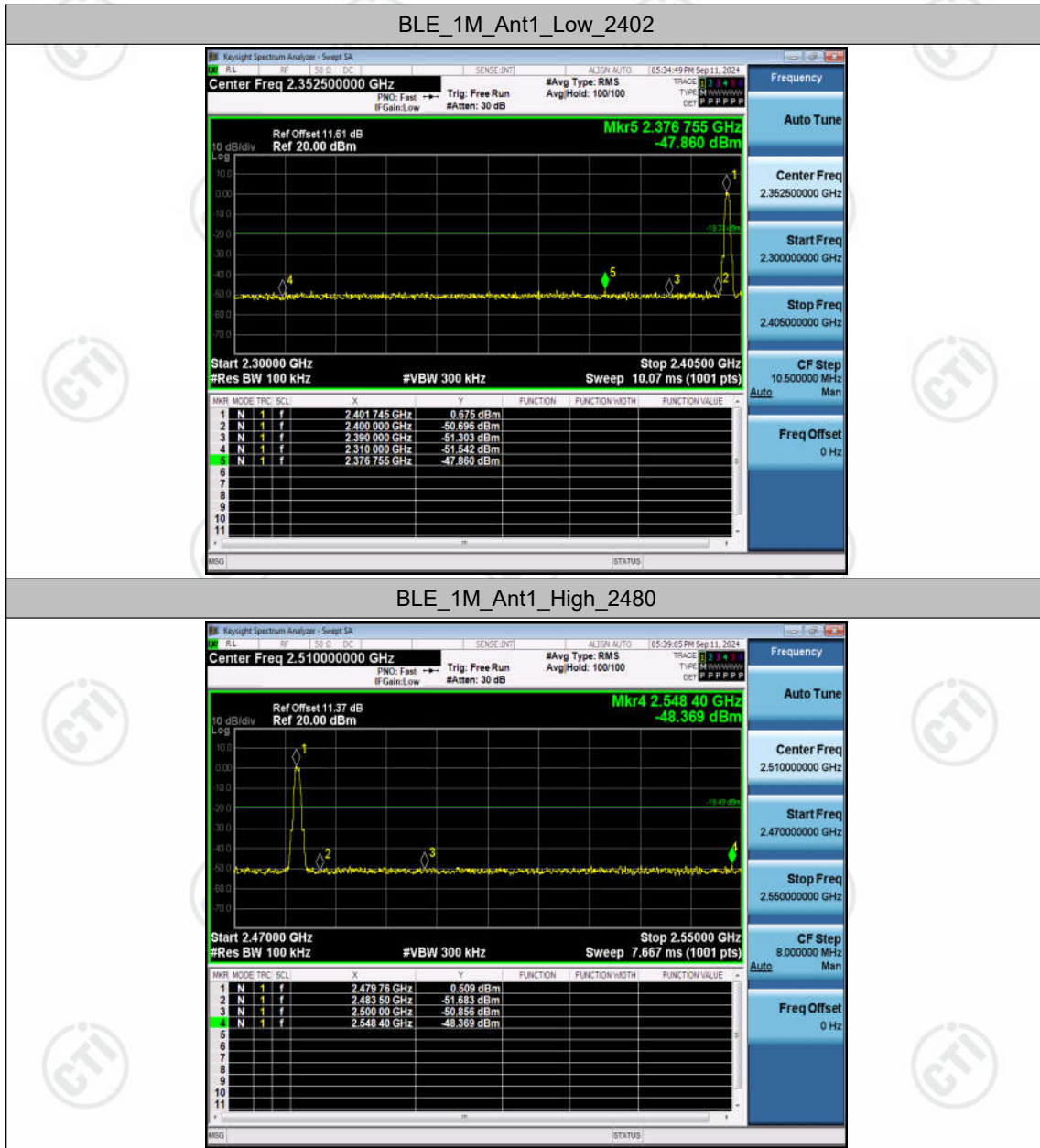




**Appendix E: Band edge measurements****Test Result**

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.68	-47.86	≤-19.33	PASS
		High	2480	0.51	-48.37	≤-19.49	PASS

## Test Graphs



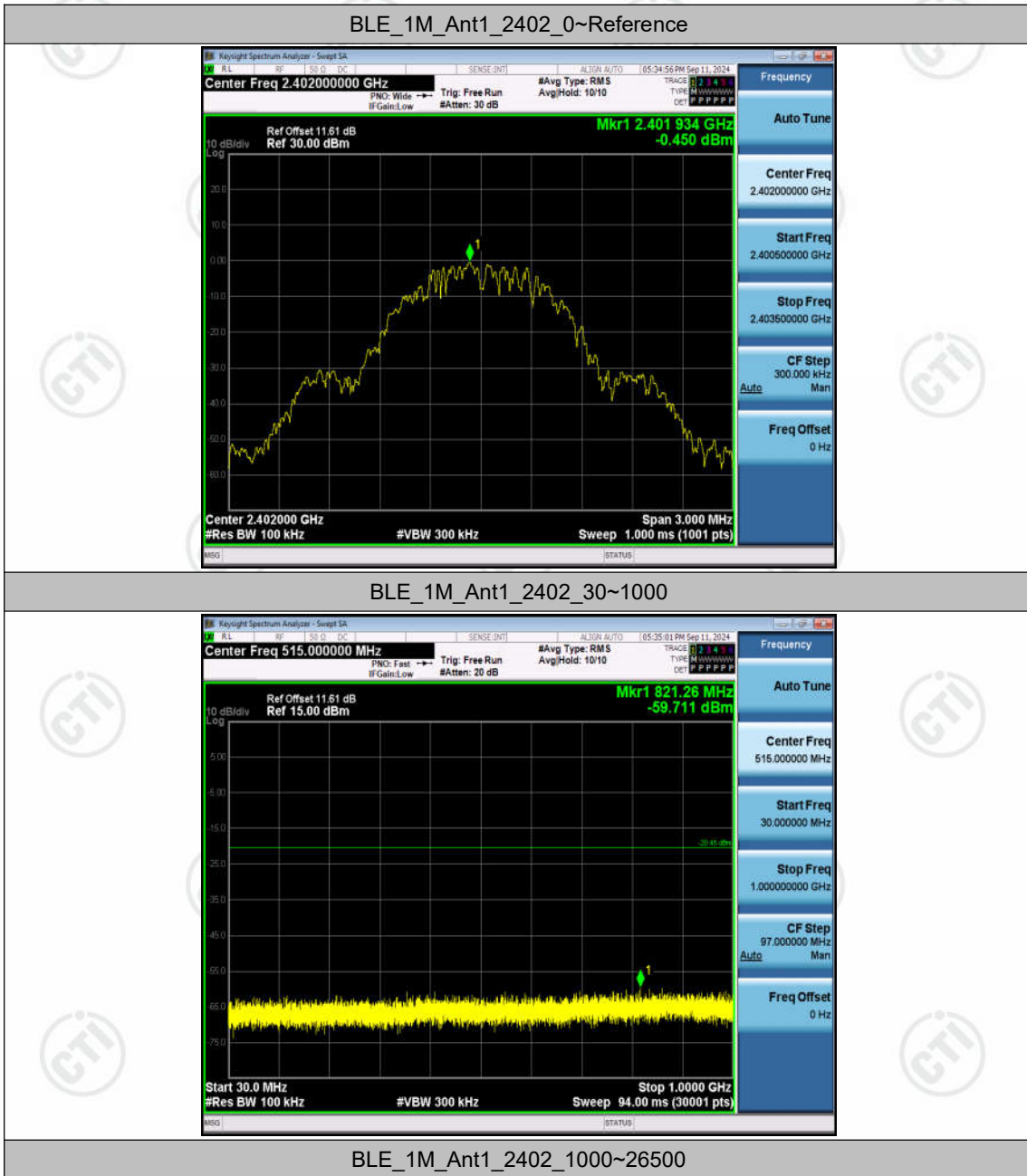


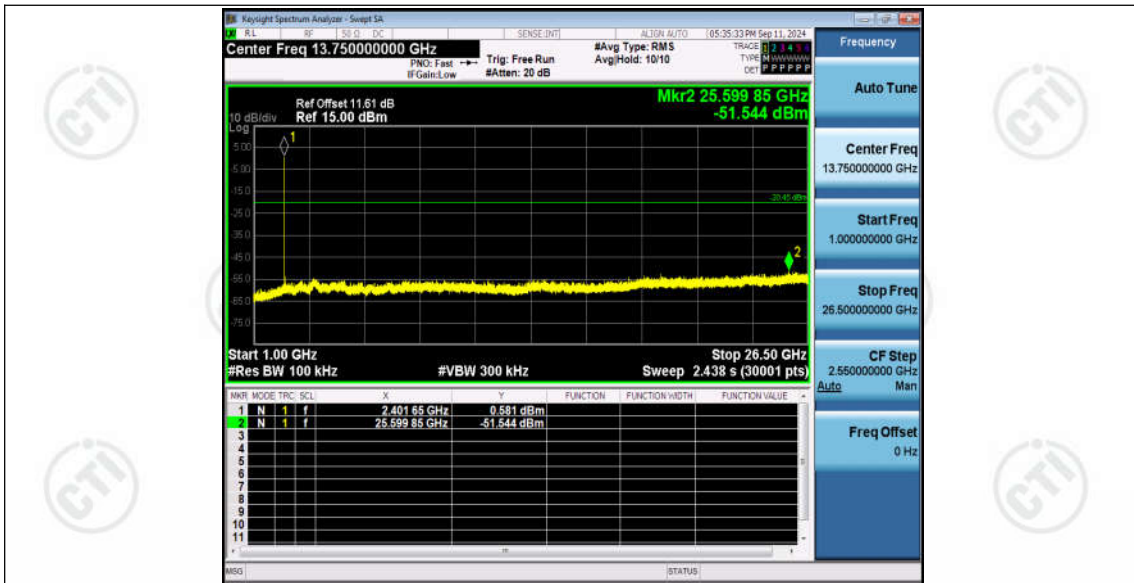
## Appendix F: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.45	-0.45	---	PASS
			30~1000	-0.45	-59.71	≤-20.45	PASS
			1000~26500	-0.45	-51.54	≤-20.45	PASS
		2440	Reference	0.29	0.29	---	PASS
			30~1000	0.29	-59.16	≤-19.71	PASS
			1000~26500	0.29	-51.44	≤-19.71	PASS
		2480	Reference	-0.35	-0.35	---	PASS
			30~1000	-0.35	-60.44	≤-20.35	PASS
			1000~26500	-0.35	-49.64	≤-20.35	PASS

## Test Graphs

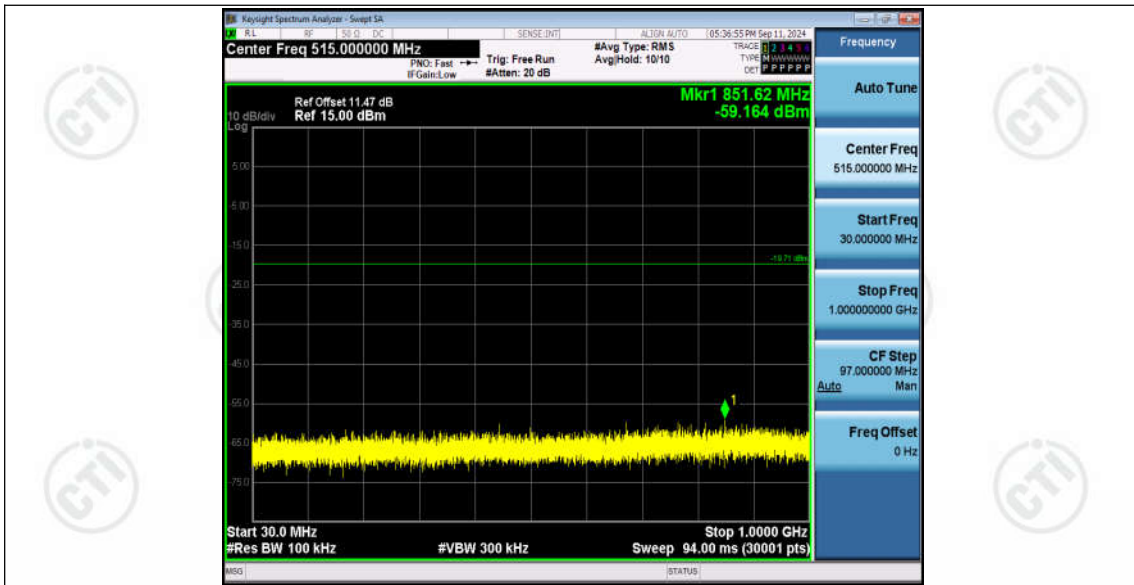




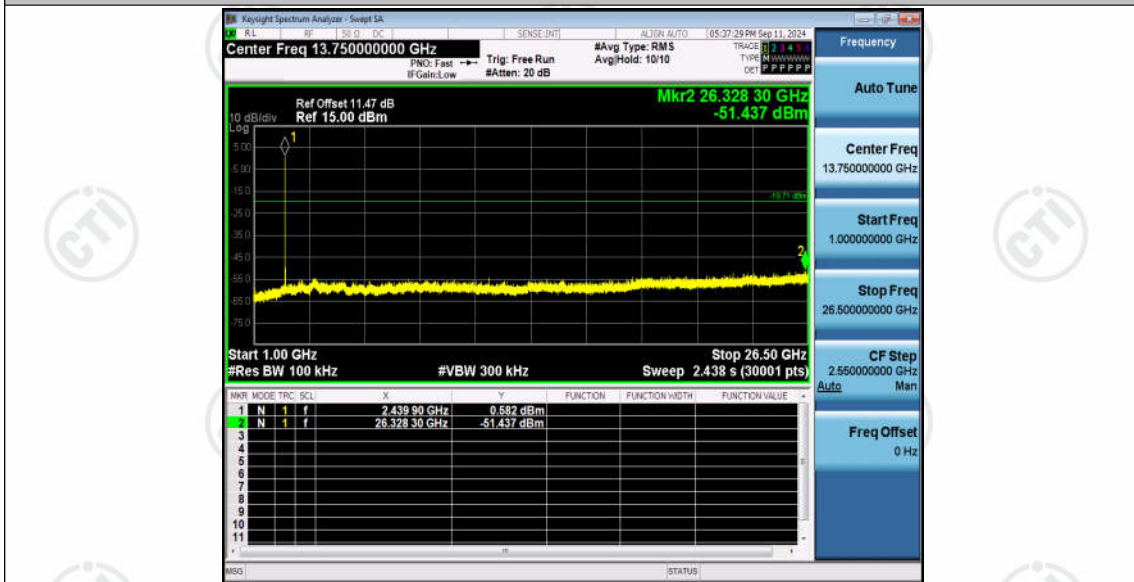
BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



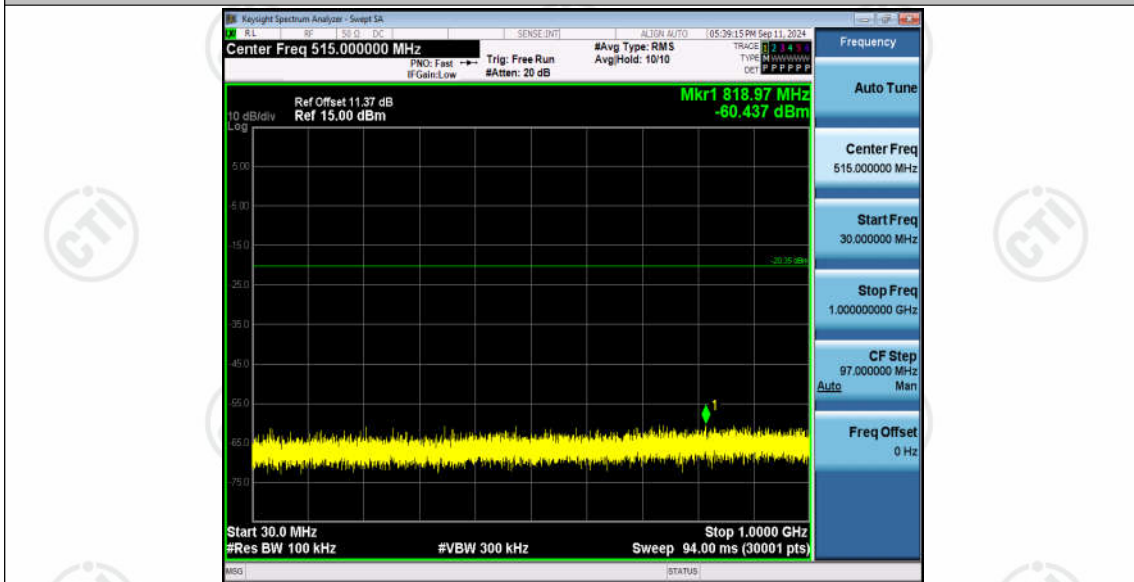
BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference



BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_Ant1\_2480\_1000~26500



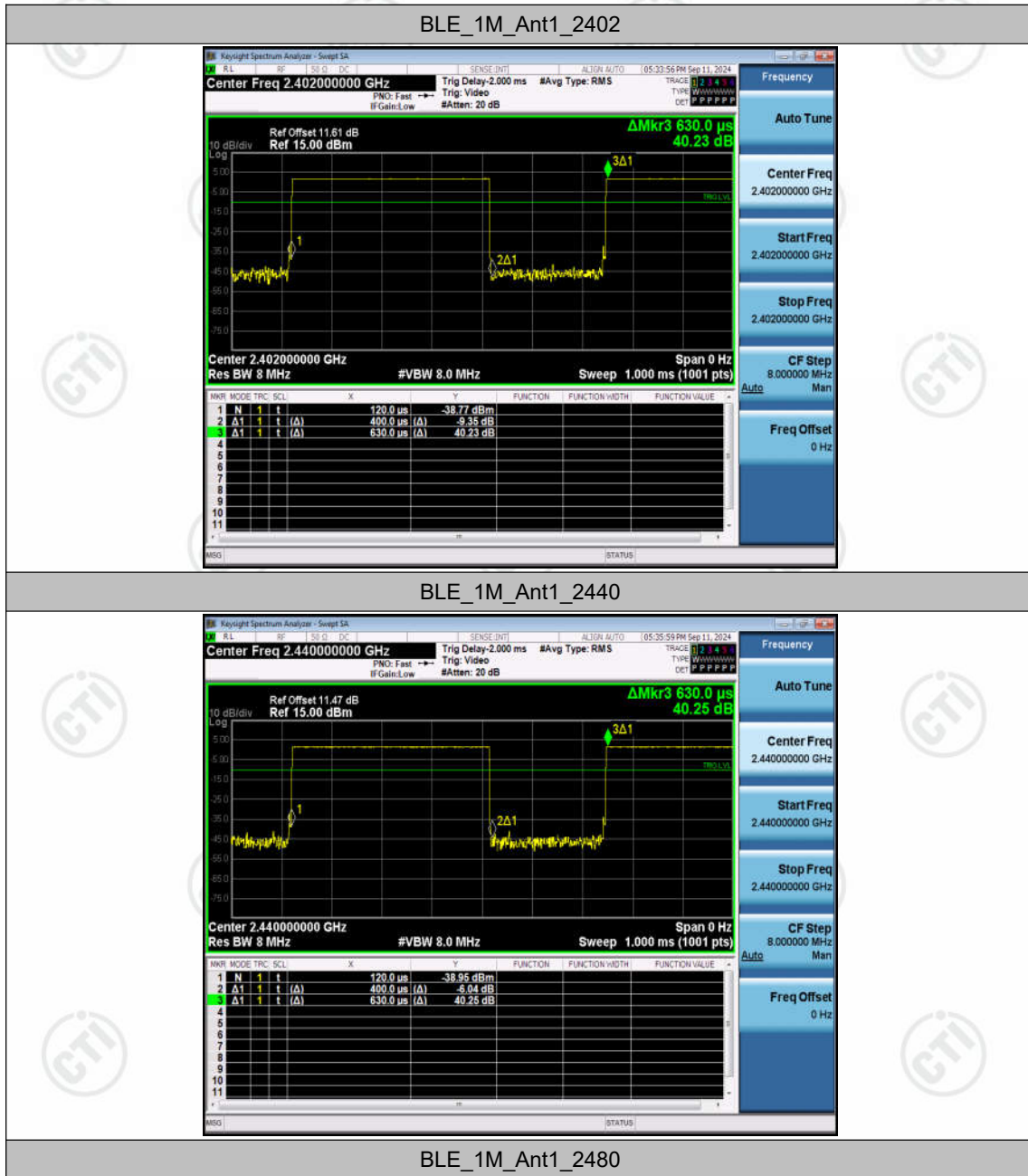
## Appendix G: Duty Cycle

### Test Result

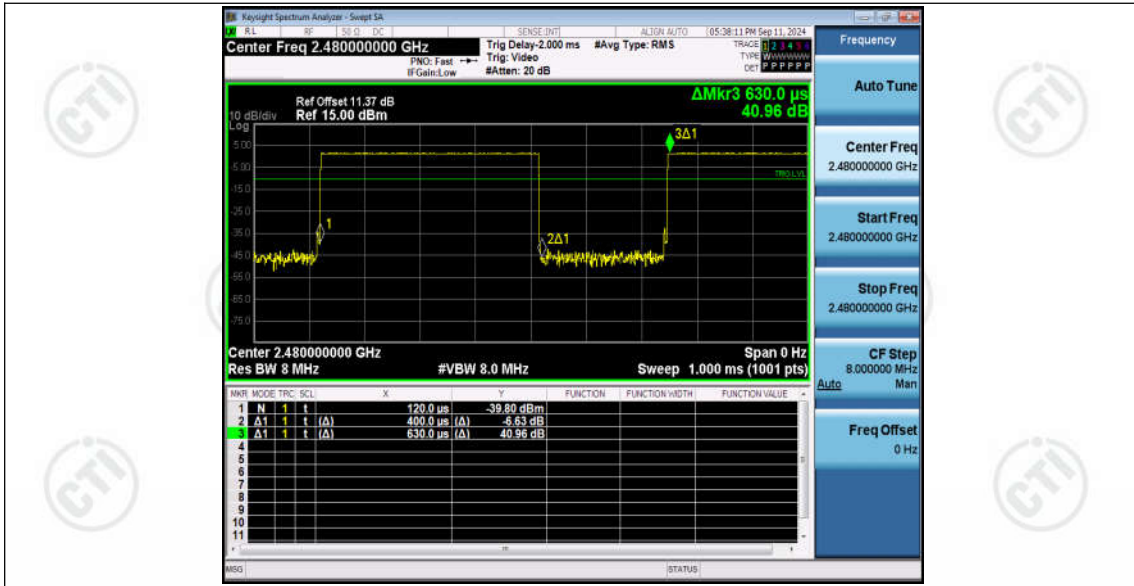
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
		2440	0.40	0.63	63.49	1.97
		2480	0.40	0.63	63.49	1.97

Note:Duty Cycle Factor[dB]=-10\*lg(Duty Cycle);

## Test Graphs







\*\*\*END OF REPORT\*\*\*