

Appendix: Bluetooth LE

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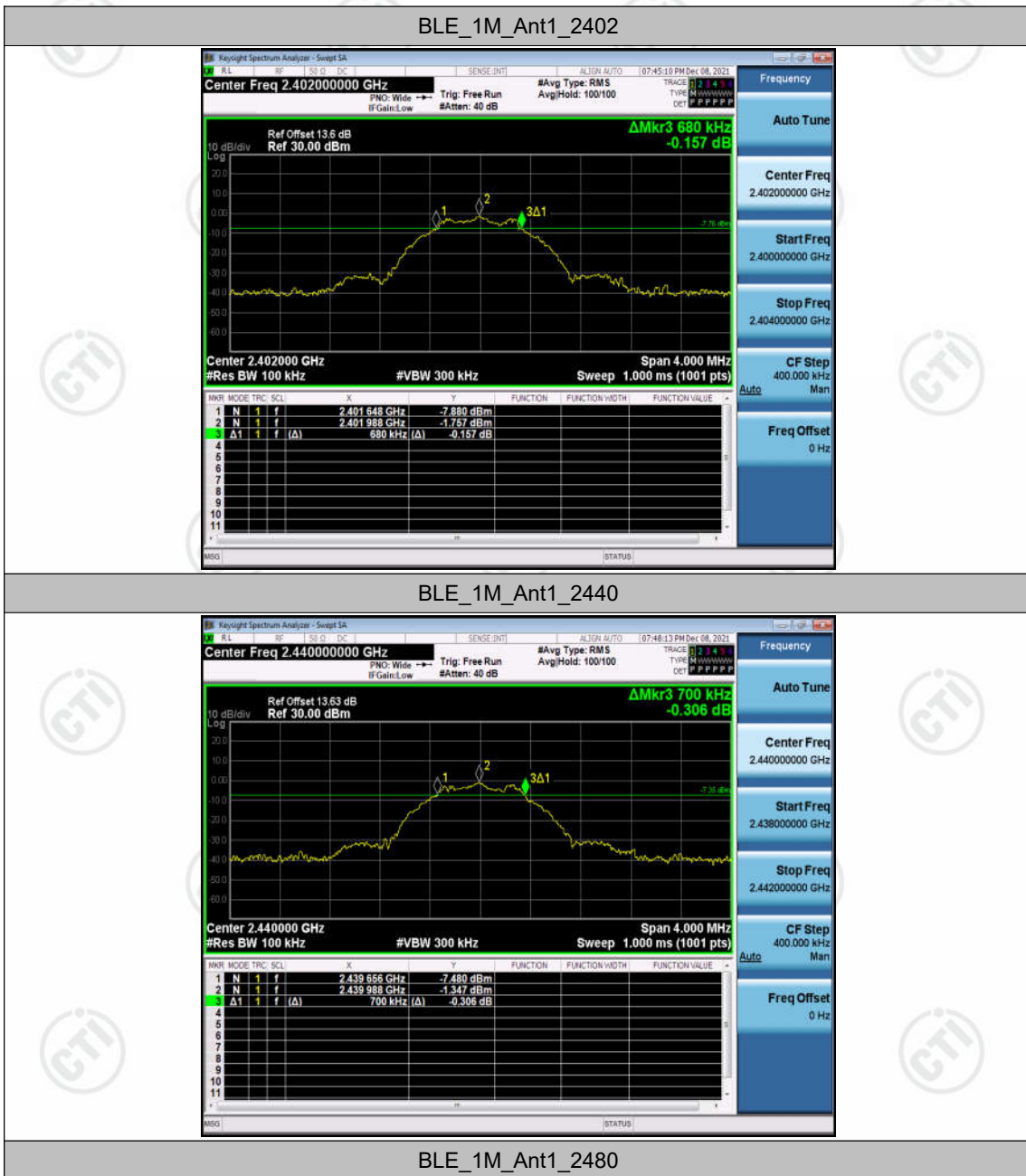
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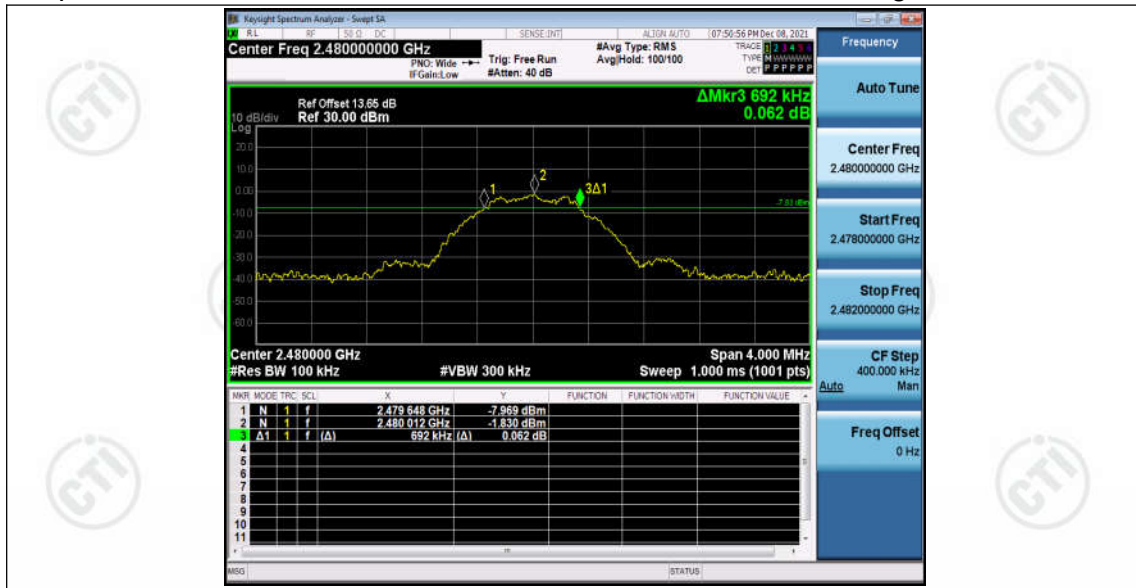
## Appendix A: DTS Bandwidth

### Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.680	2401.648	2402.328	0.5	PASS
		2440	0.700	2439.656	2440.356	0.5	PASS
		2480	0.692	2479.648	2480.340	0.5	PASS

## Test Graphs





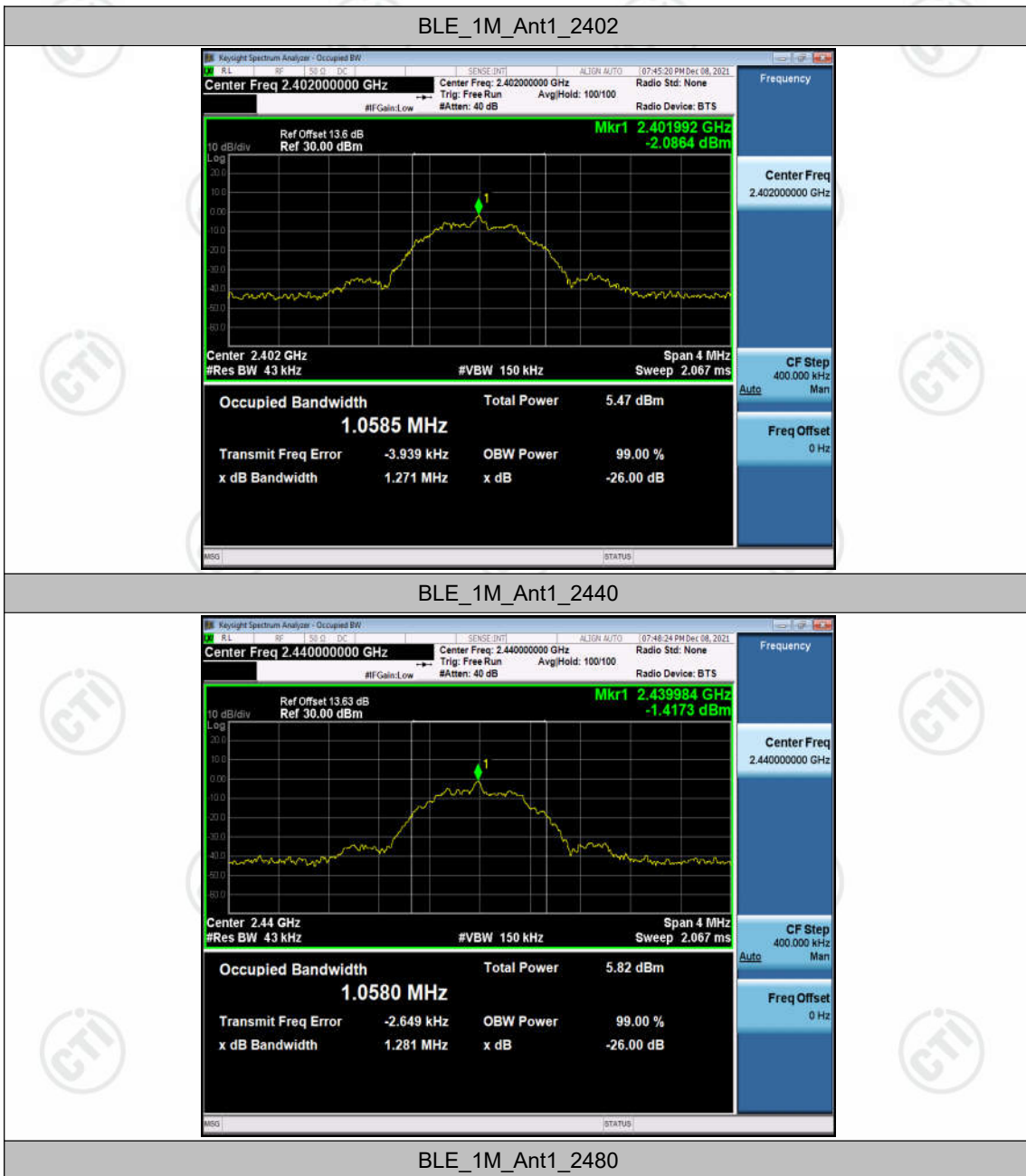
## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0585	2401.467	2402.525	---	PASS
		2440	1.0580	2439.468	2440.526	---	PASS
		2480	1.0444	2479.480	2480.524	---	PASS



## Test Graphs





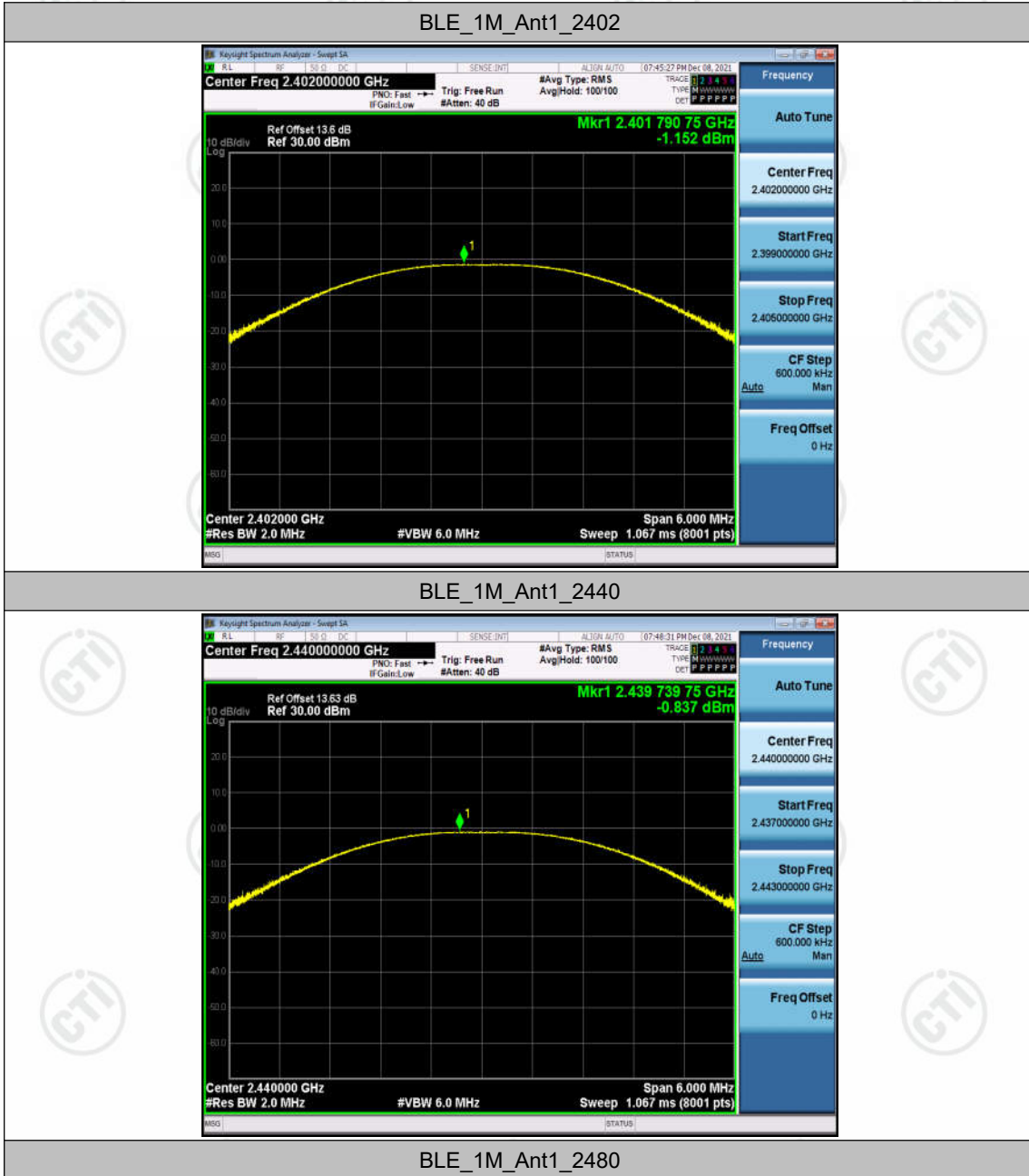


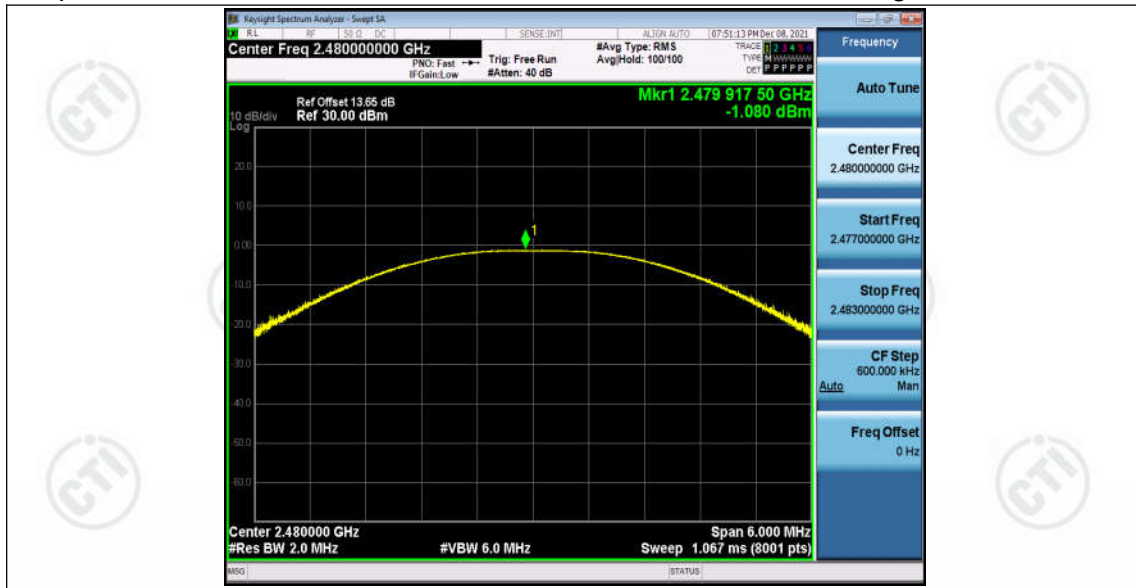
## Appendix C: Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.15	<=30	PASS
		2440	-0.84	<=30	PASS
		2480	-1.08	<=30	PASS

## Test Graphs

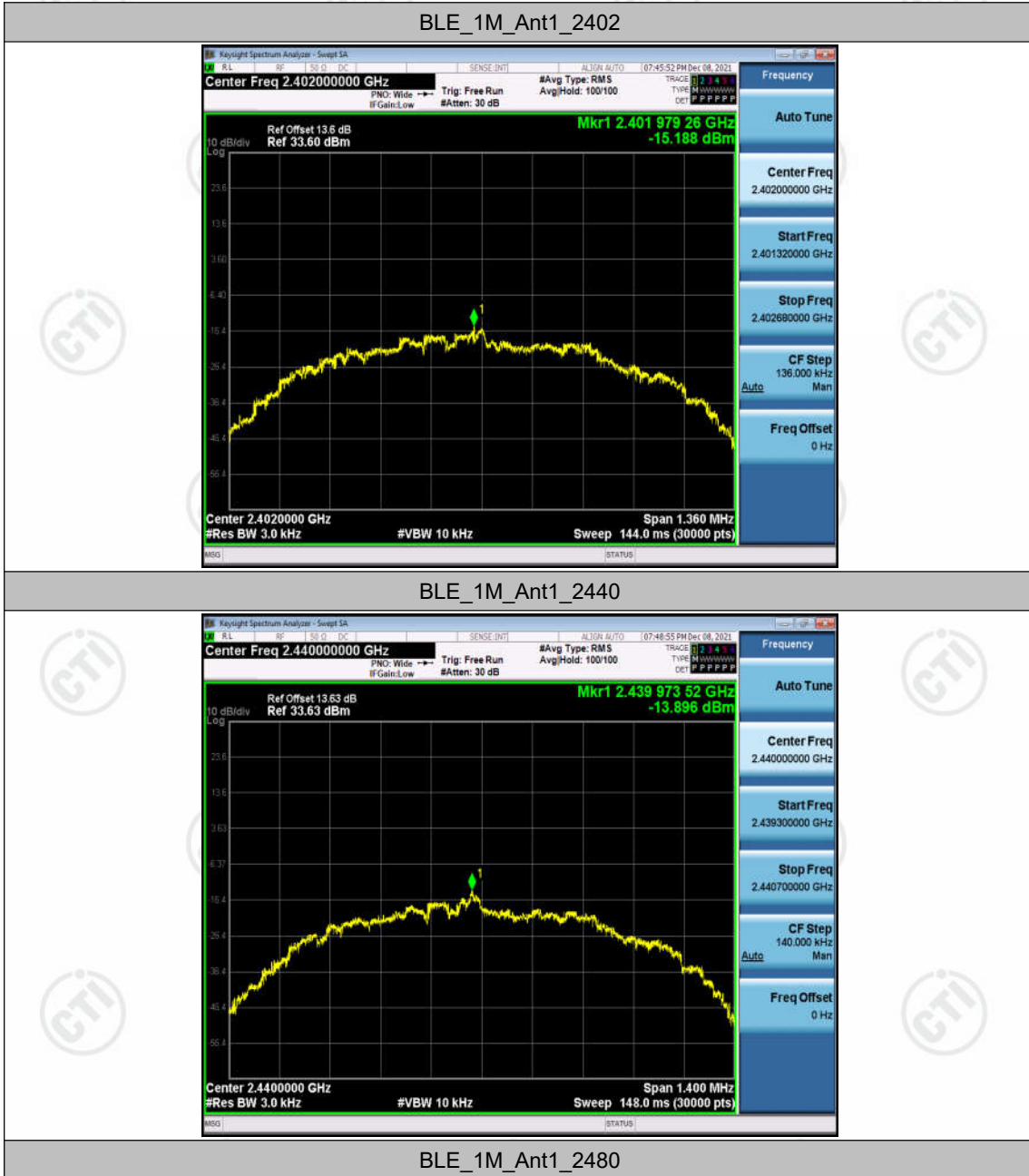




**Appendix D: Maximum power spectral density****Test Result**

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.19	<=8	PASS
		2440	-13.9	<=8	PASS
		2480	-14.15	<=8	PASS

## Test Graphs





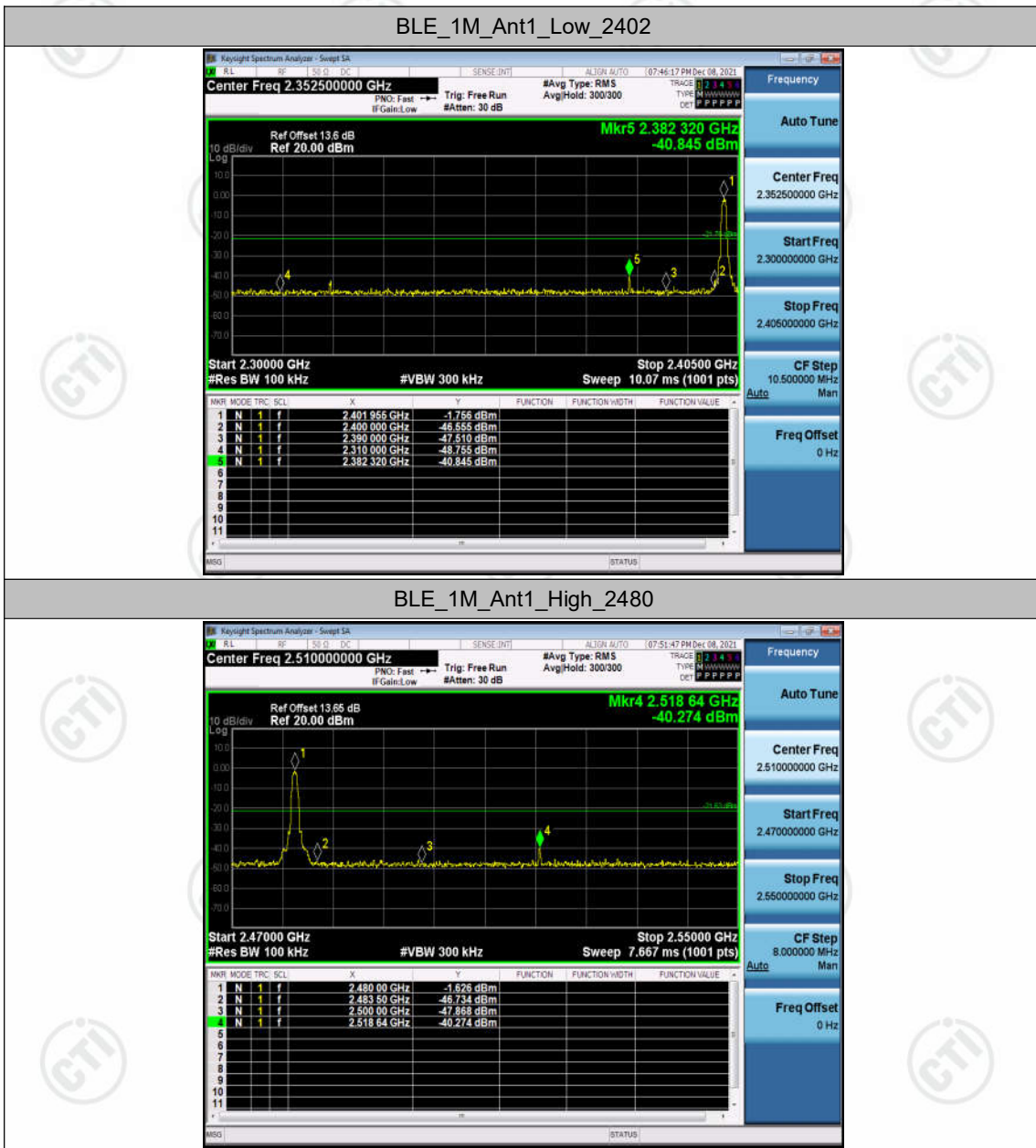


## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.76	-40.85	<=-21.76	PASS
		High	2480	-1.63	-40.27	<=-21.63	PASS

## Test Graphs

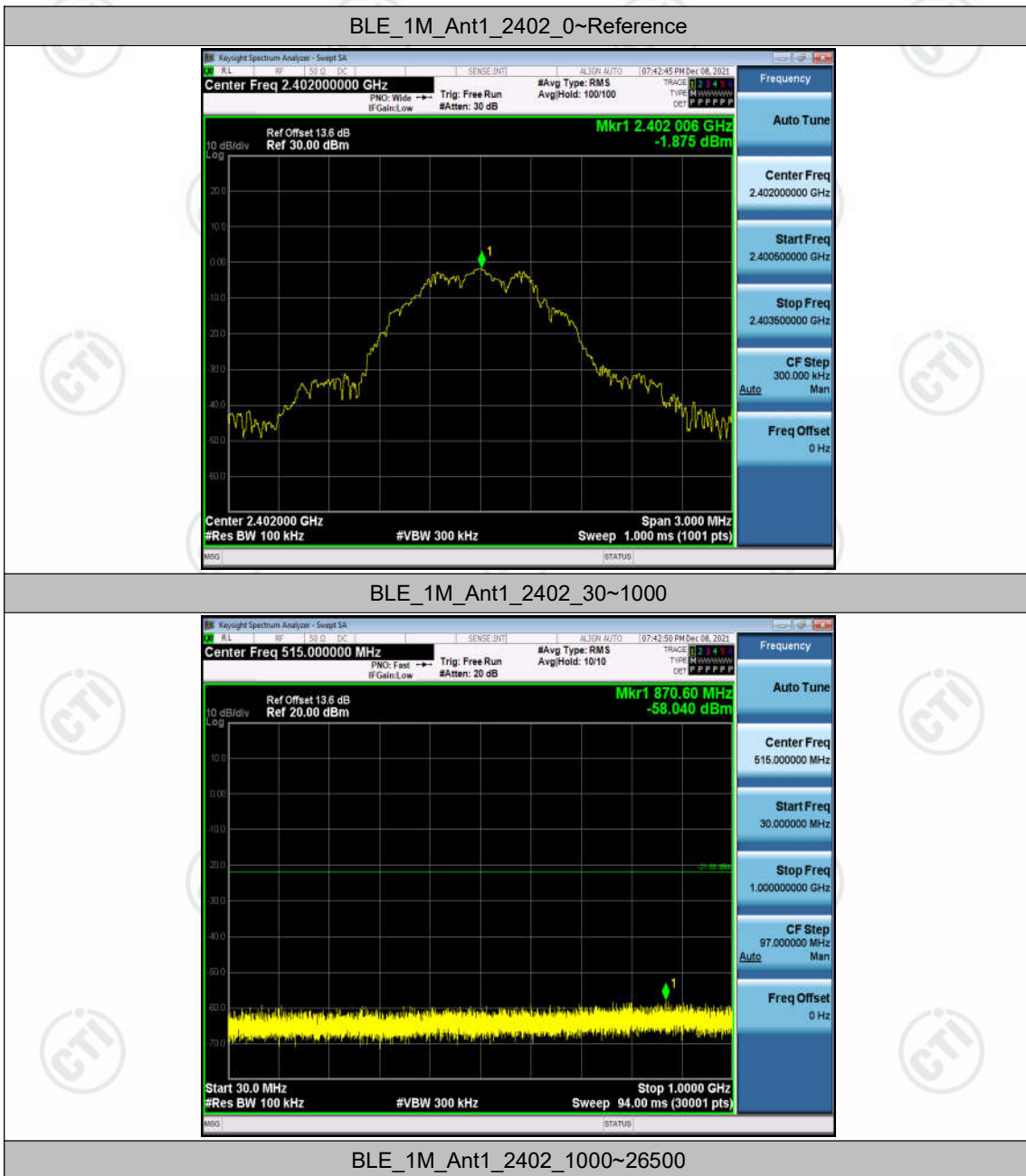


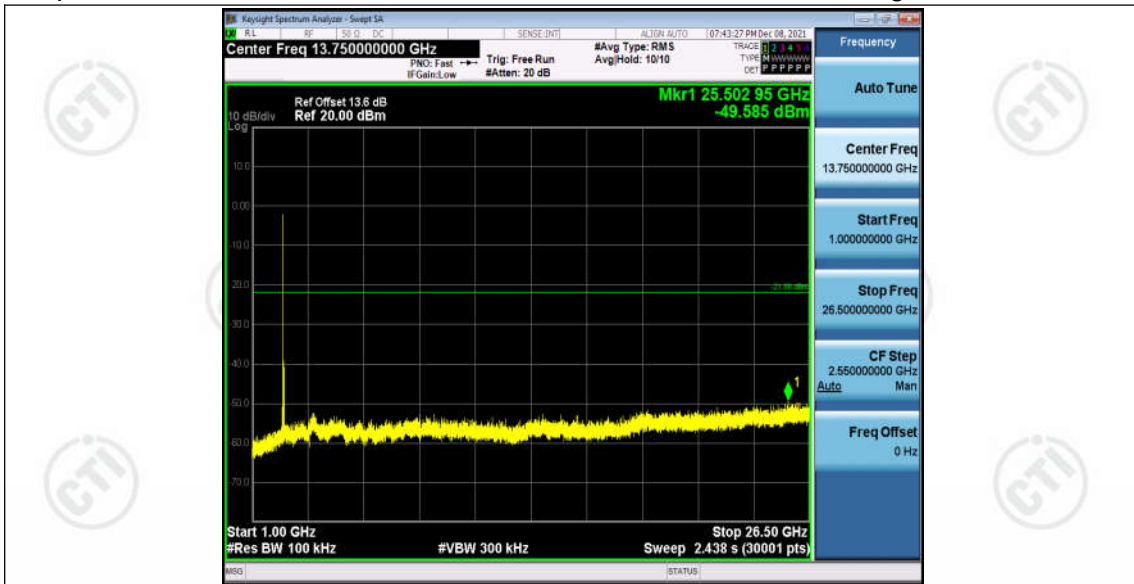
## Appendix F: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.88	-1.88	---	PASS
			30~1000	30~1000	-58.04	<=-21.875	PASS
			1000~26500	1000~26500	-49.585	<=-21.875	PASS
		2440	Reference	-1.49	-1.49	---	PASS
			30~1000	30~1000	-57.072	<=-21.488	PASS
			1000~26500	1000~26500	-49.313	<=-21.488	PASS
		2480	Reference	-1.87	-1.87	---	PASS
			30~1000	30~1000	-57.196	<=-21.868	PASS
			1000~26500	1000~26500	-49.56	<=-21.868	PASS

## Test Graphs



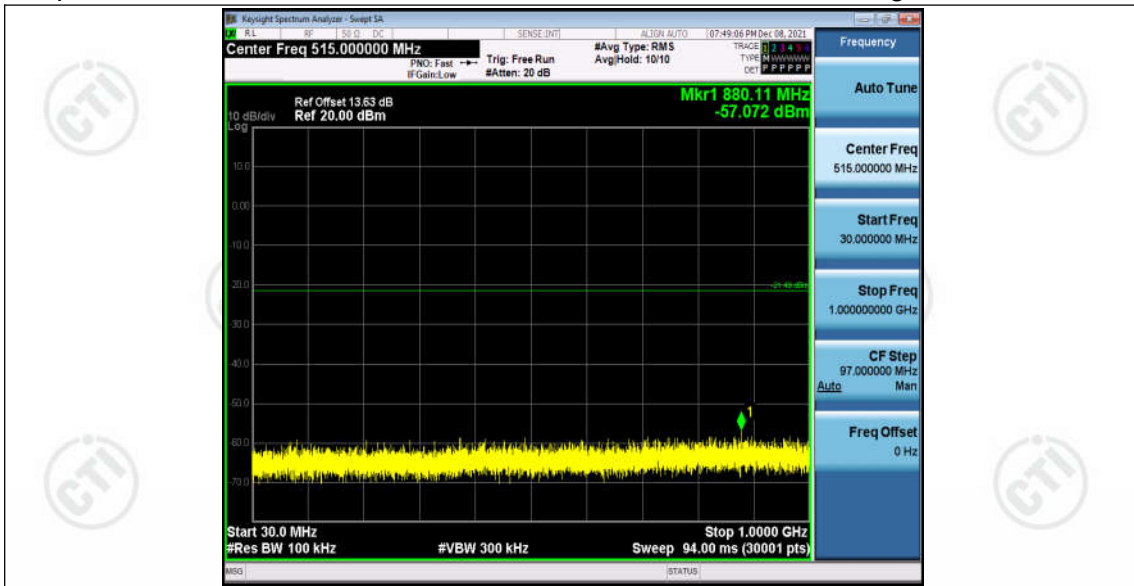


BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000





BLE\_1M\_Ant1\_2440\_1000~26500

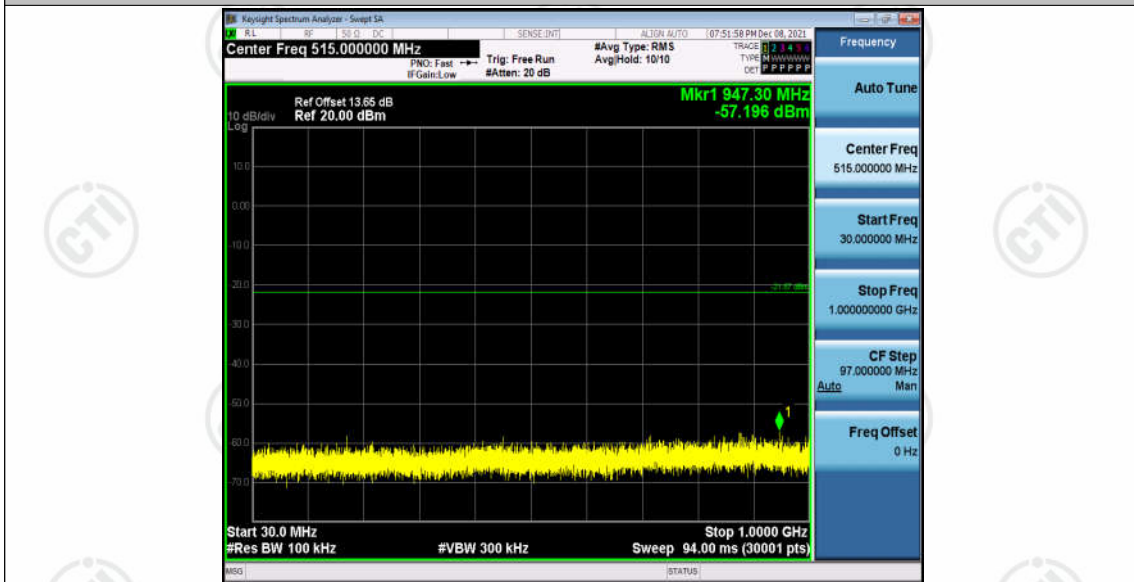


BLE\_1M\_Ant1\_2480\_0~Reference

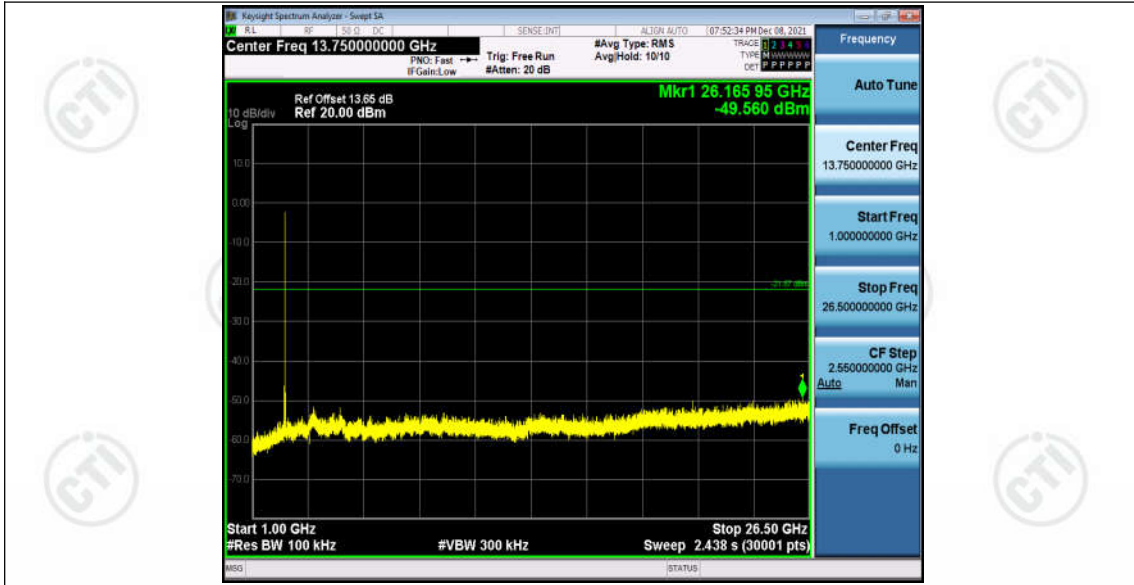




BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_Ant1\_2480\_1000~26500

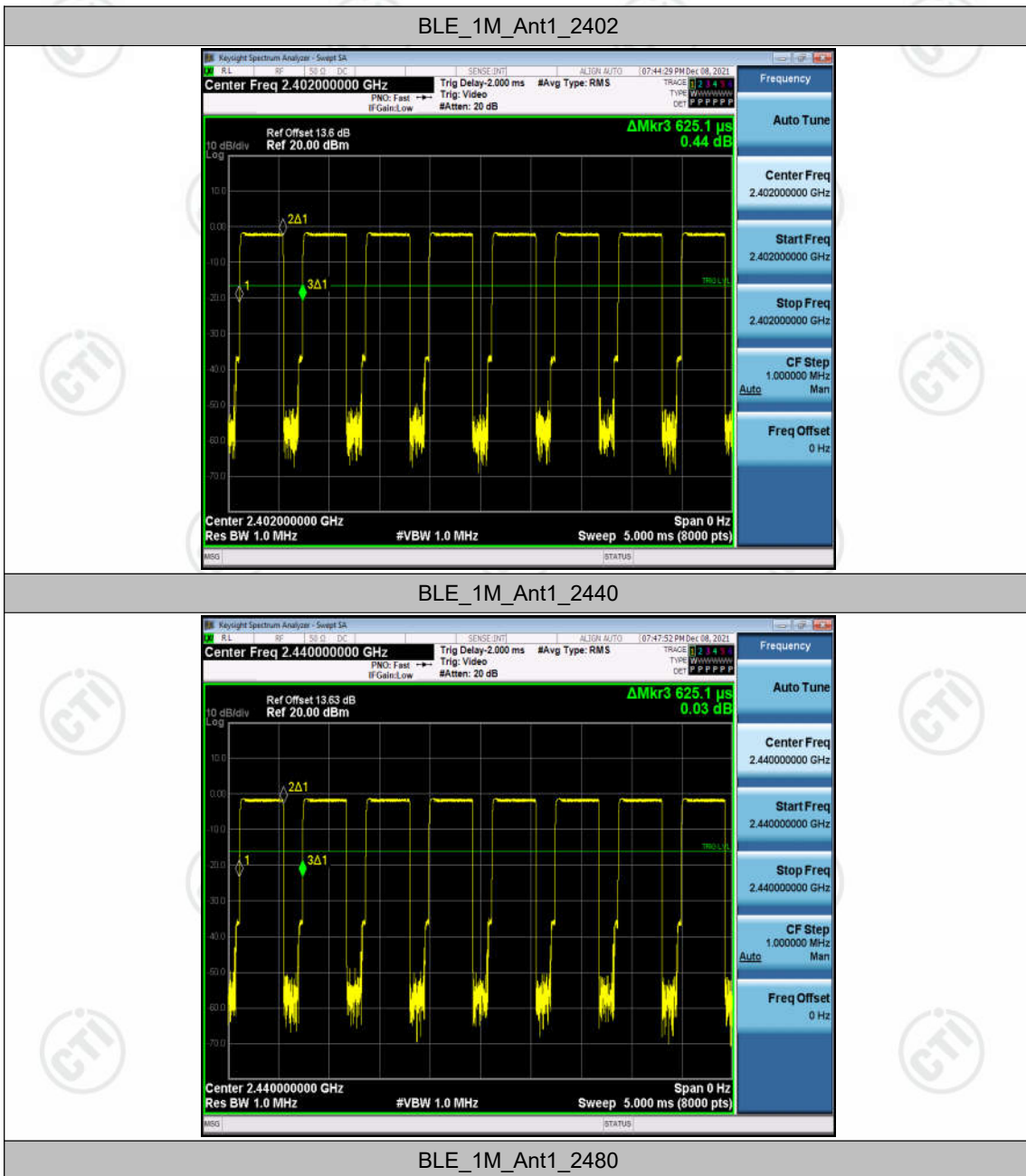


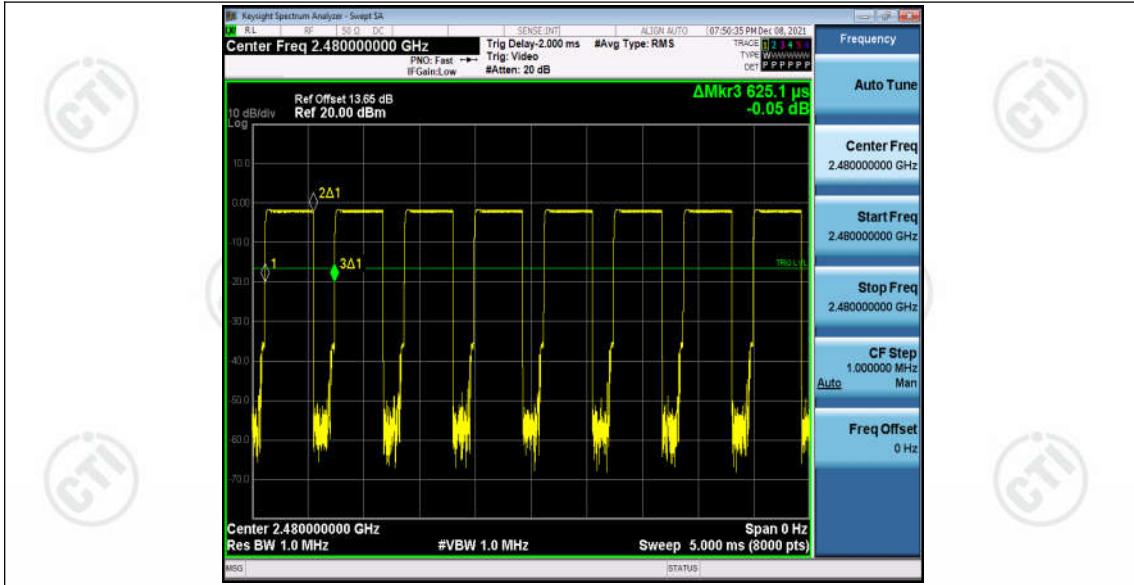
## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.43	0.63	69.30	---	PASS
		2440	0.43	0.63	69.40	---	PASS
		2480	0.43	0.63	69.30	---	PASS

## Test Graphs





\*\*\* End of Report \*\*\*