

Appendix: Bluetooth LE

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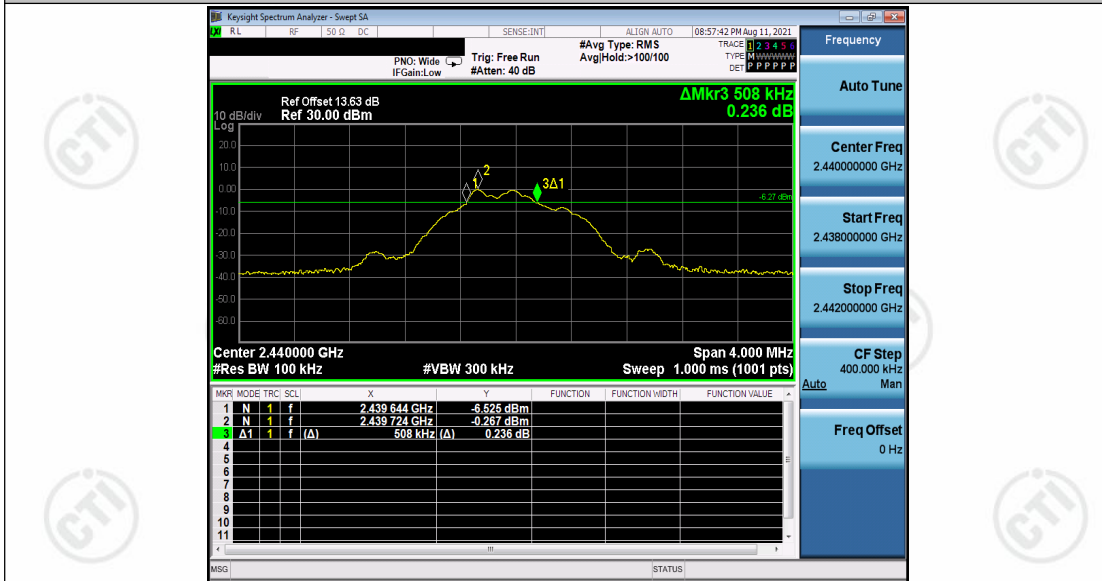
**Appendix A: DTS Bandwidth****Test Result**

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.516	2401.644	2402.160	0.5	PASS
		2440	0.508	2439.644	2440.152	0.5	PASS
		2480	0.508	2479.648	2480.156	0.5	PASS

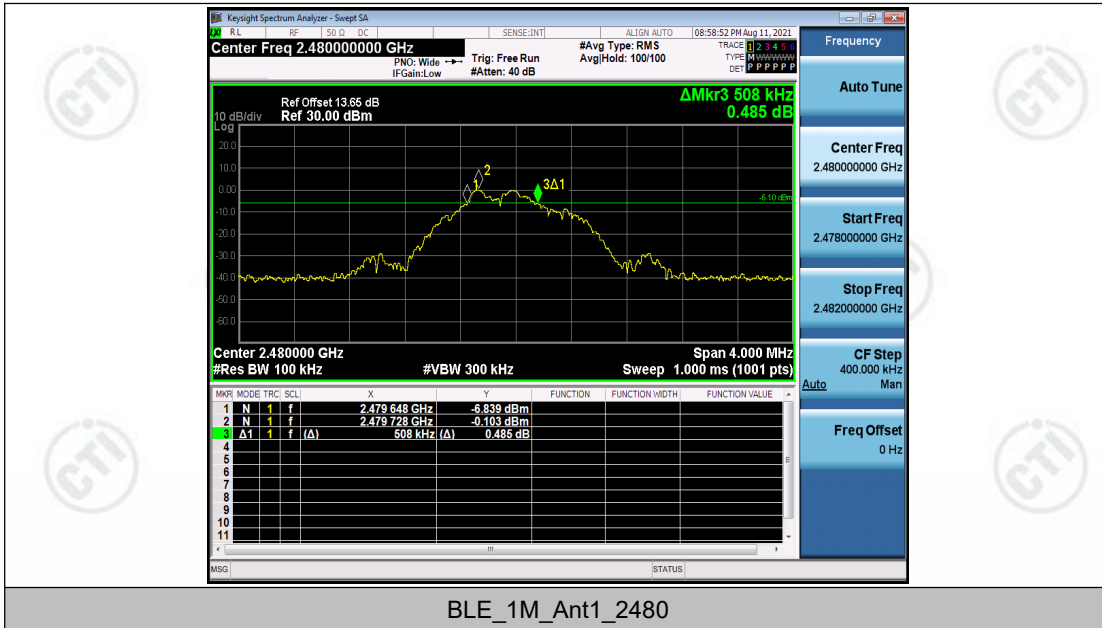
## Test Graphs



BLE\_1M\_Ant1\_2402



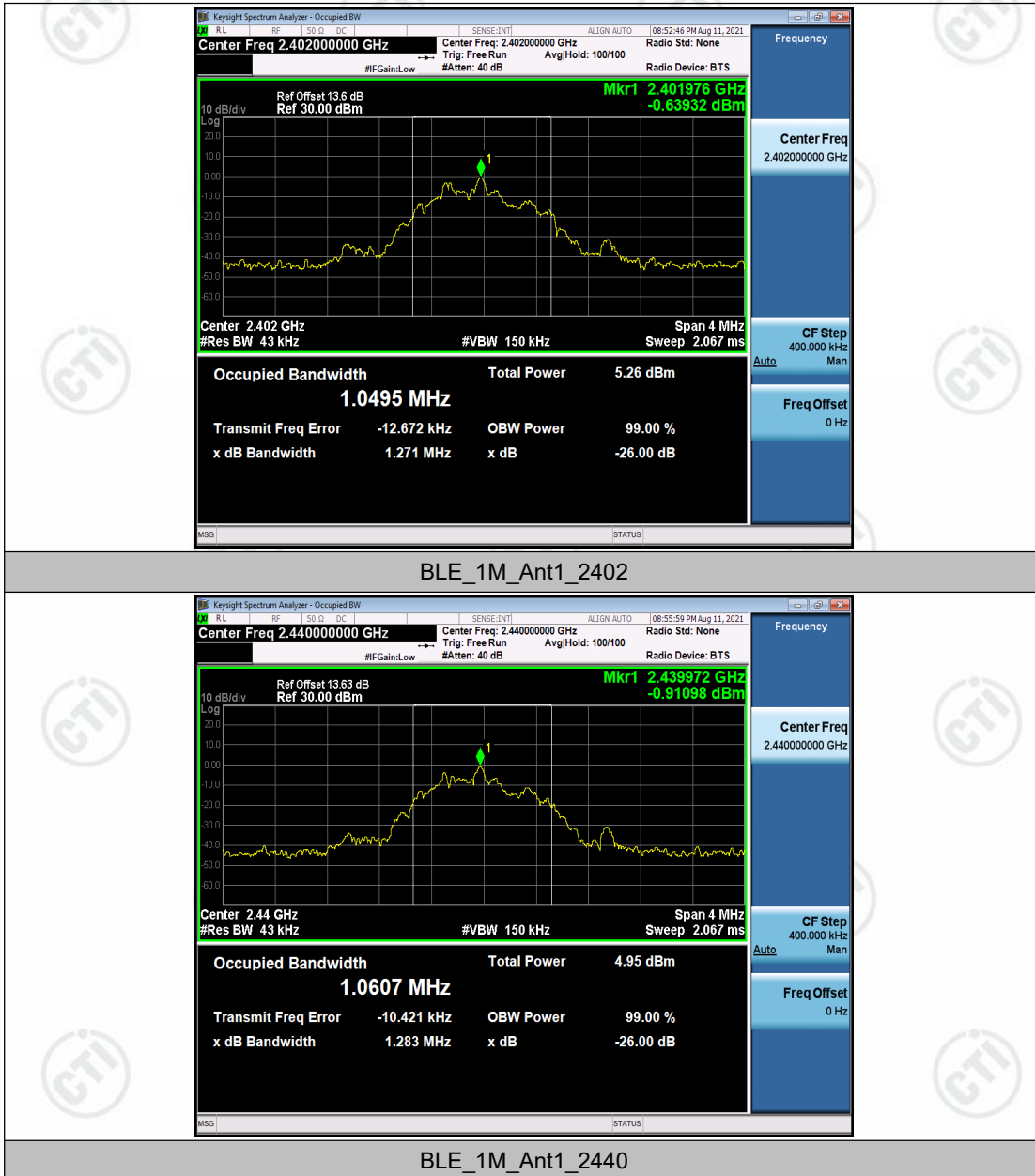
BLE\_1M\_Ant1\_2440

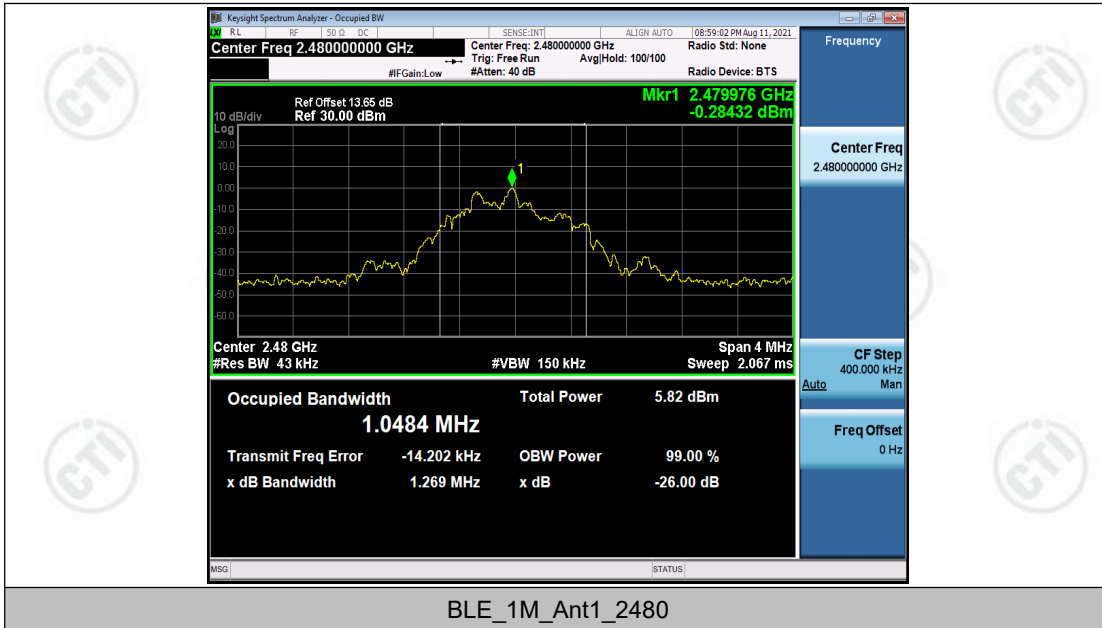


**Appendix B: Occupied Channel Bandwidth****Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0495	2401.463	2402.512	---	PASS
		2440	1.0607	2439.459	2440.520	---	PASS
		2480	1.0484	2479.462	2480.510	---	PASS

## Test Graphs



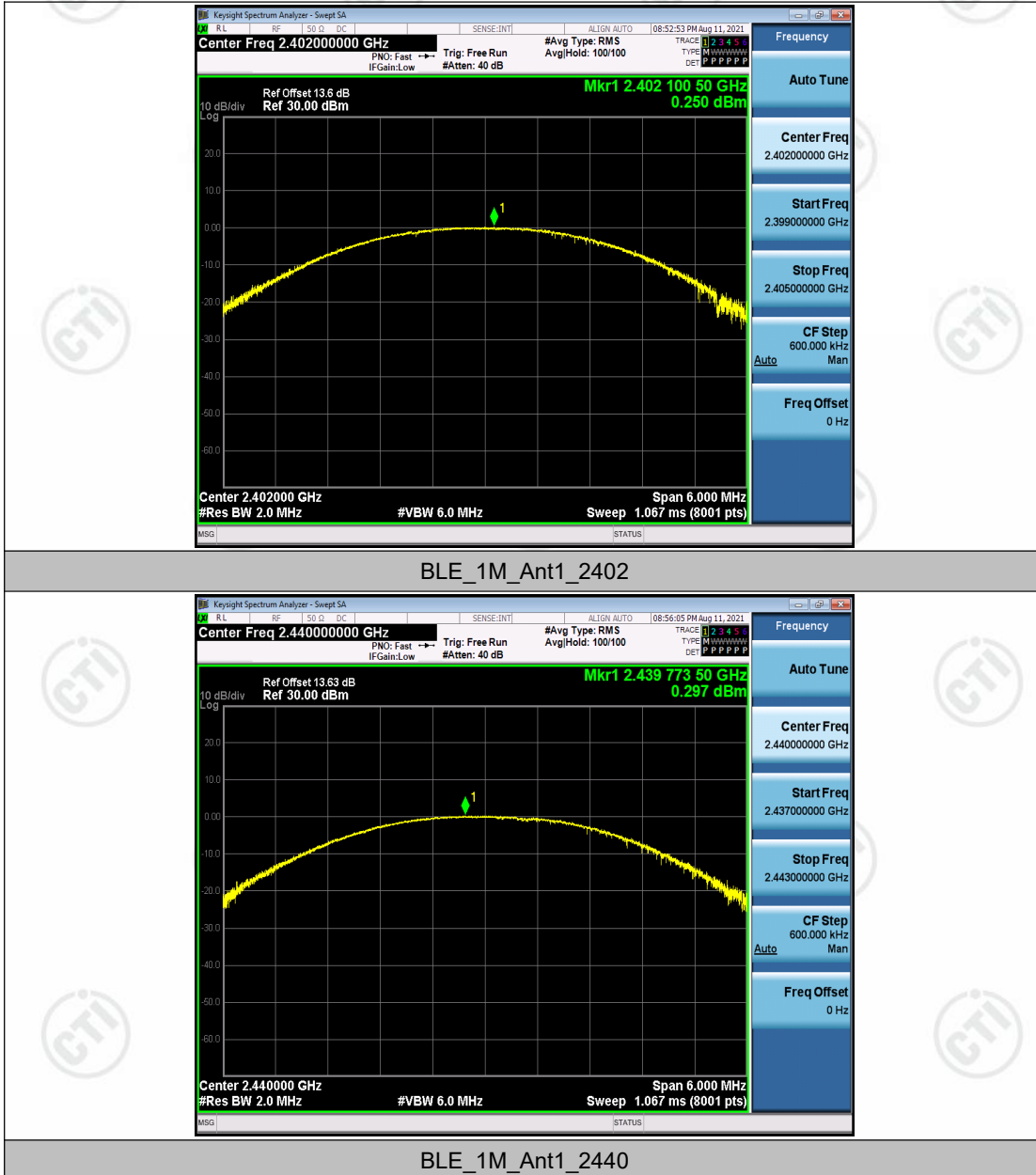


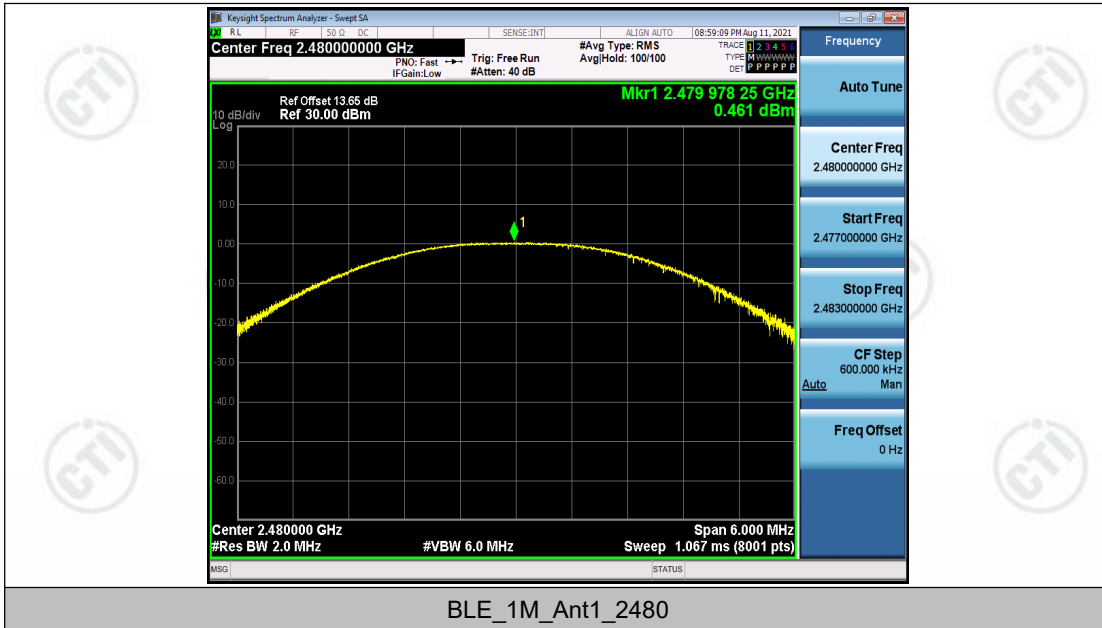


**Appendix C: Maximum conducted output power****Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.25	<=30	PASS
		2440	0.30	<=30	PASS
		2480	0.46	<=30	PASS

## Test Graphs



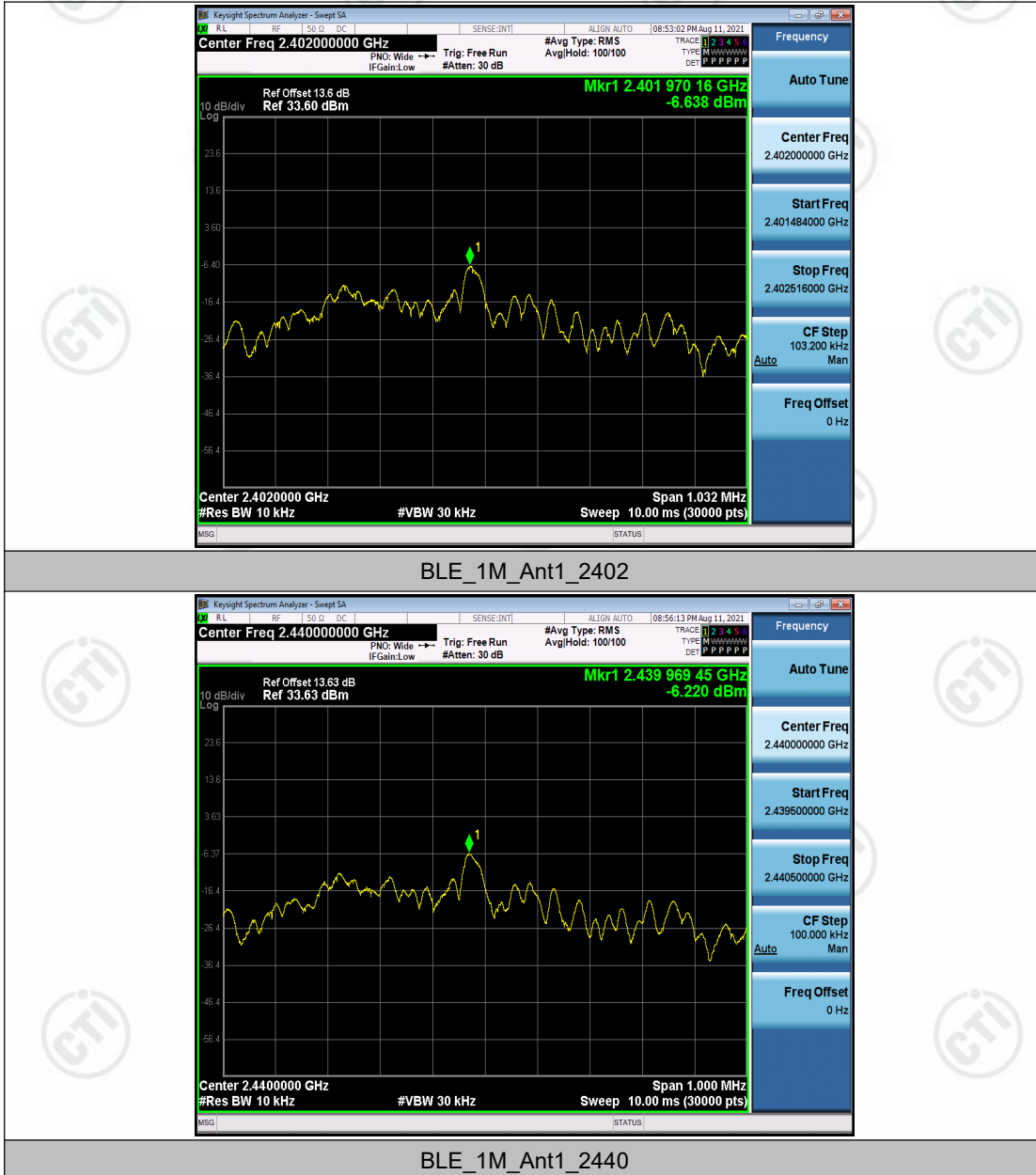


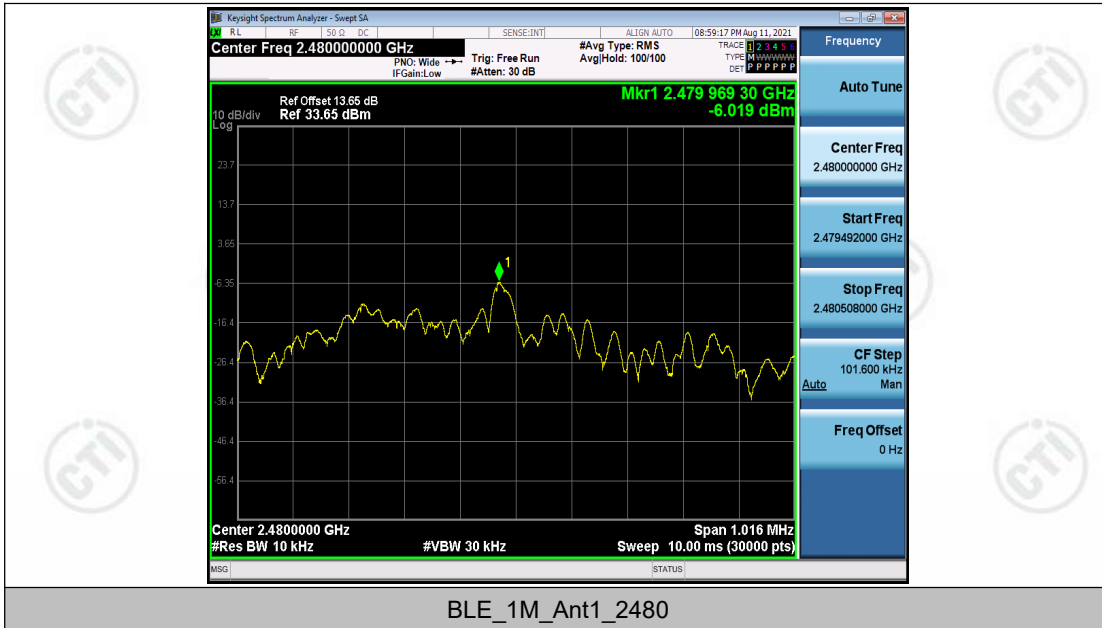
BLE\_1M\_Ant1\_2480

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

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.64	<=8	PASS
		2440	-6.22	<=8	PASS
		2480	-6.02	<=8	PASS

## Test Graphs





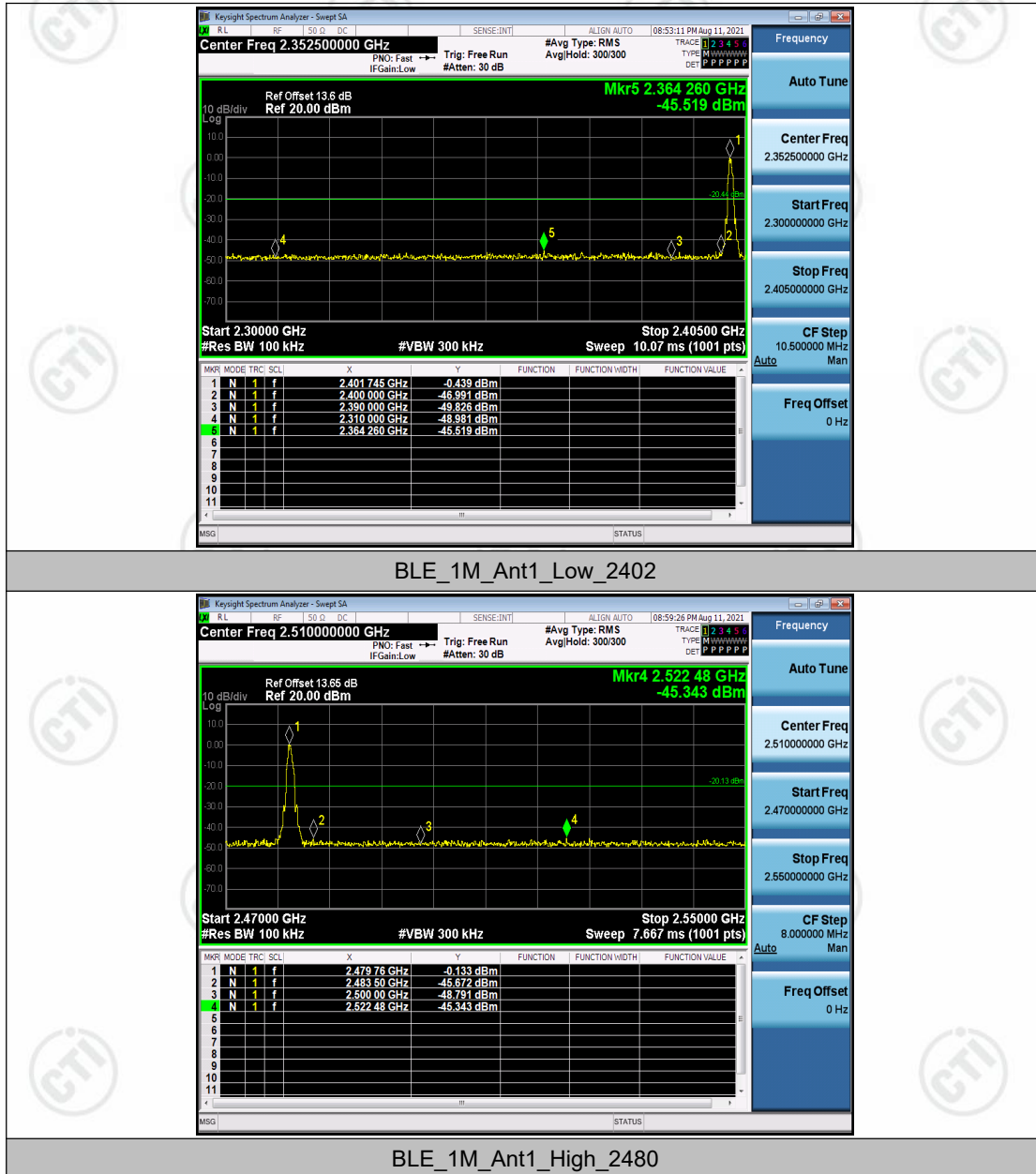
BLE\_1M\_Ant1\_2480

## Appendix E: Band edge measurements

### Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.44	-45.52	<=-20.44	PASS
		High	2480	-0.13	-45.34	<=-20.13	PASS

## Test Graphs



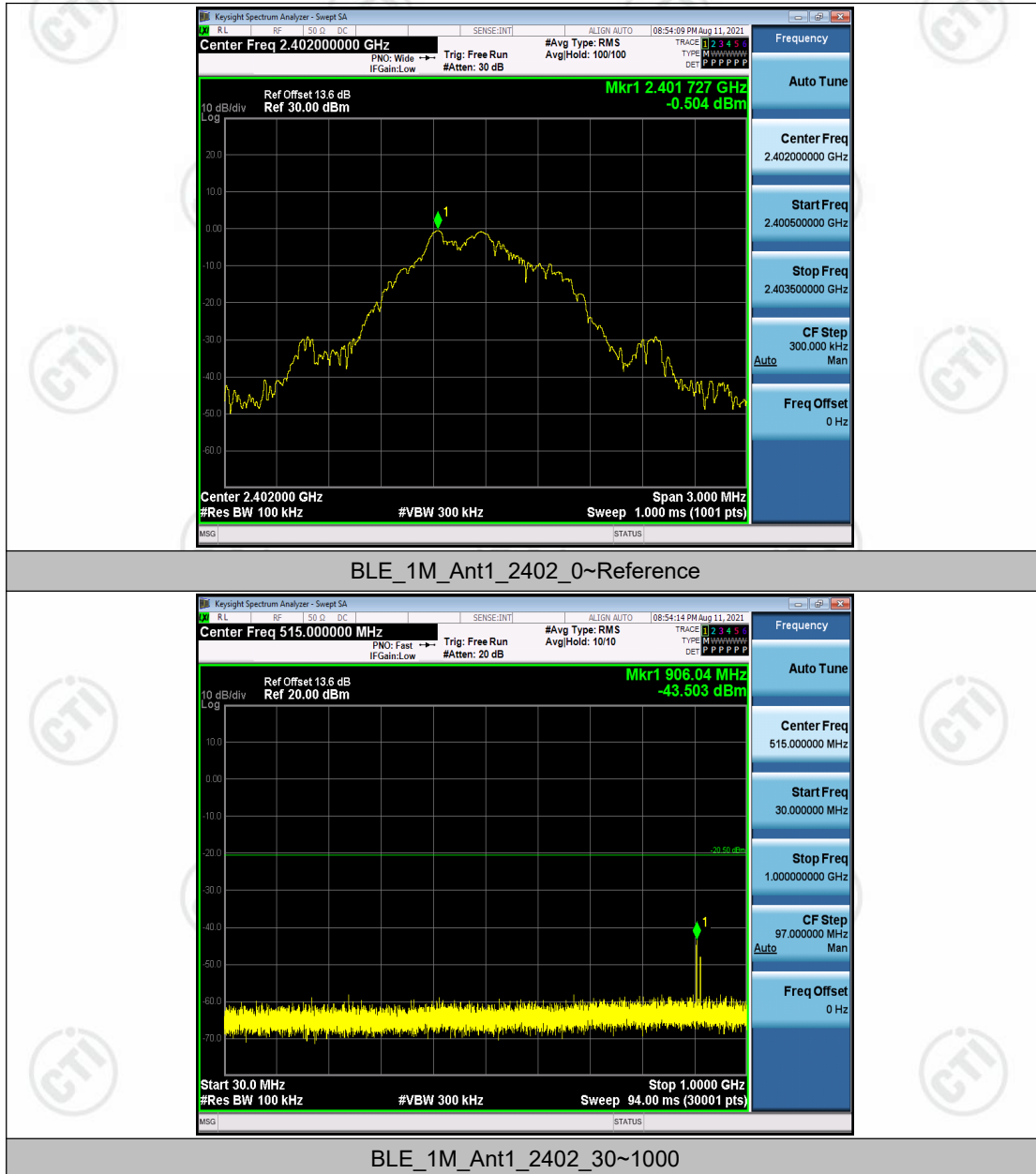


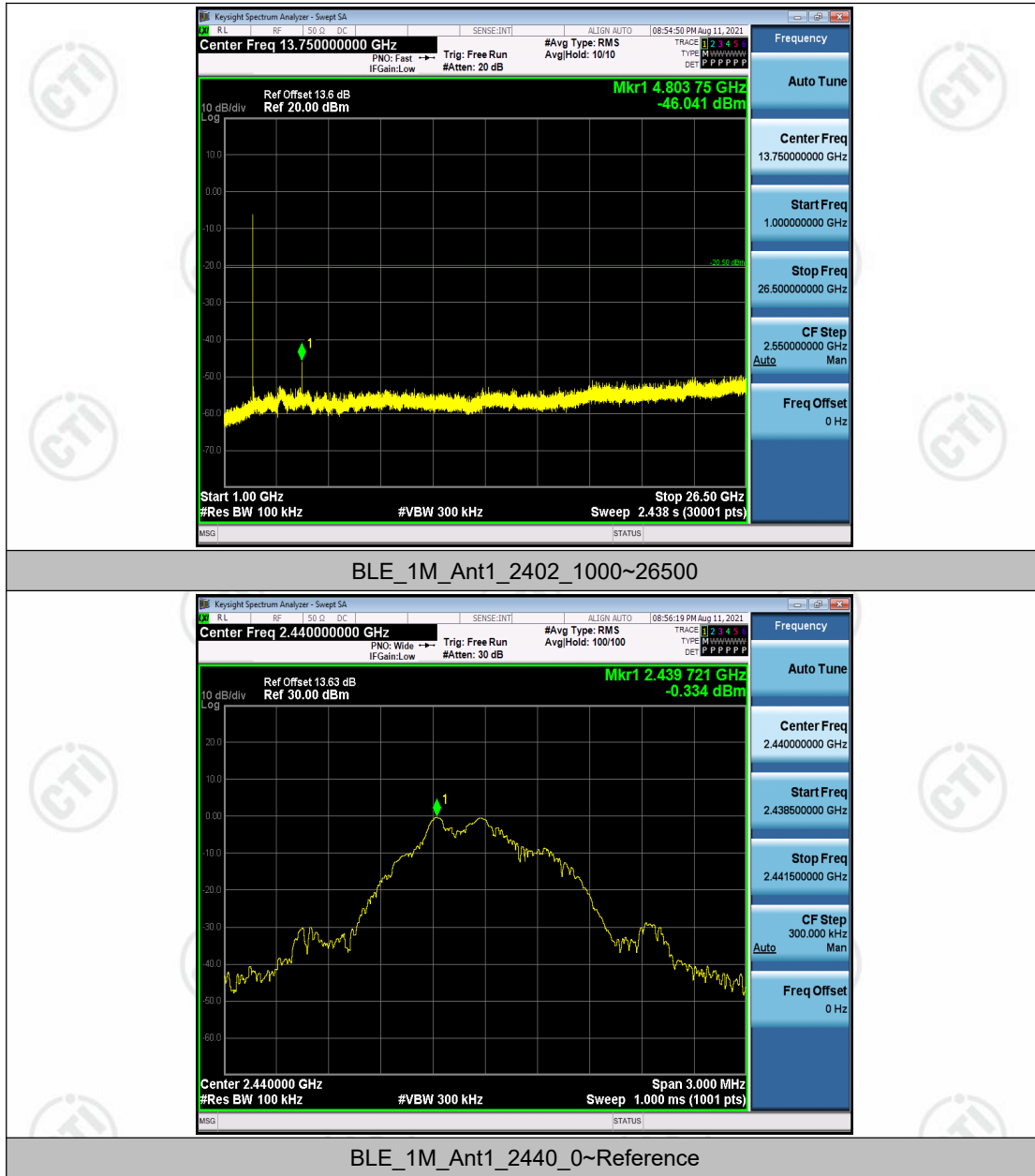
## Appendix F: Conducted Spurious Emission

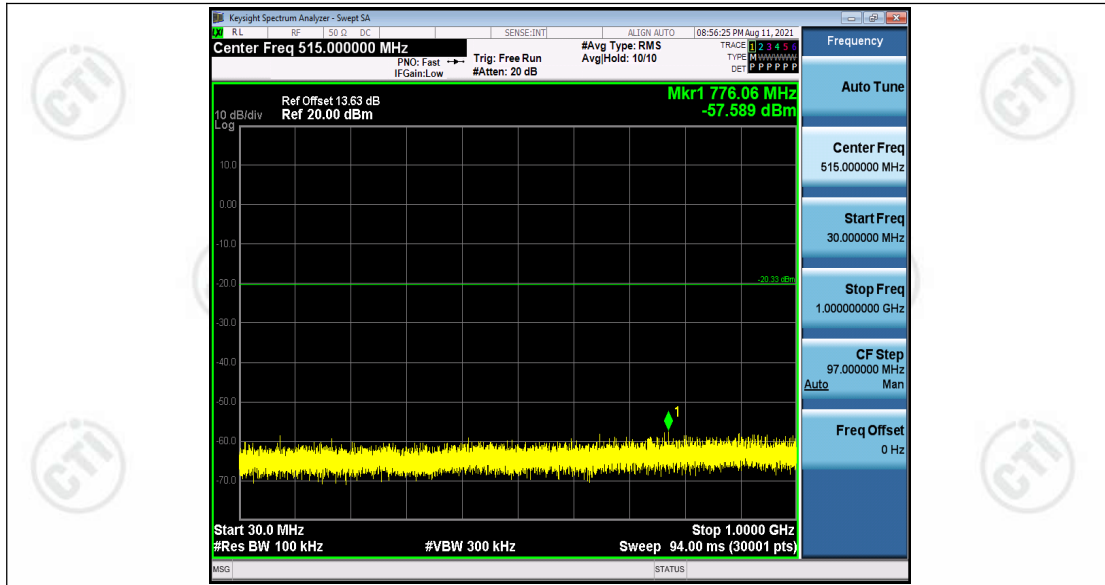
### Test Result

Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.50	-0.50	---	PASS
			30~1000	30~1000	-43.503	<=-20.504	PASS
			1000~26500	1000~26500	-46.041	<=-20.504	PASS
		2440	Reference	-0.33	-0.33	---	PASS
			30~1000	30~1000	-57.589	<=-20.334	PASS
			1000~26500	1000~26500	-48.402	<=-20.334	PASS
		2480	Reference	-0.21	-0.21	---	PASS
			30~1000	30~1000	-57.496	<=-20.209	PASS
			1000~26500	1000~26500	-49.168	<=-20.209	PASS

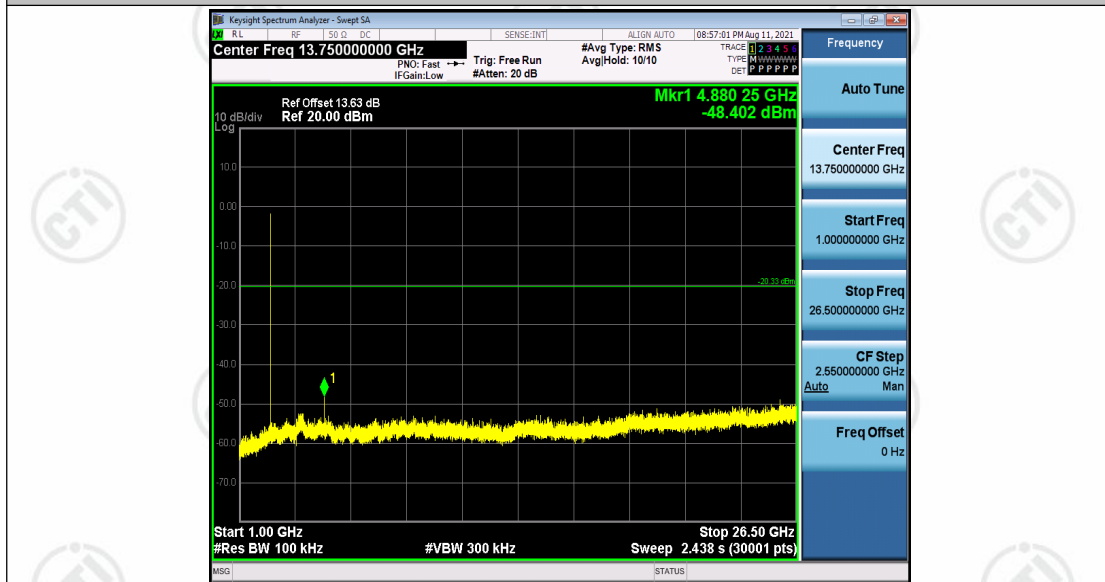
## Test Graphs



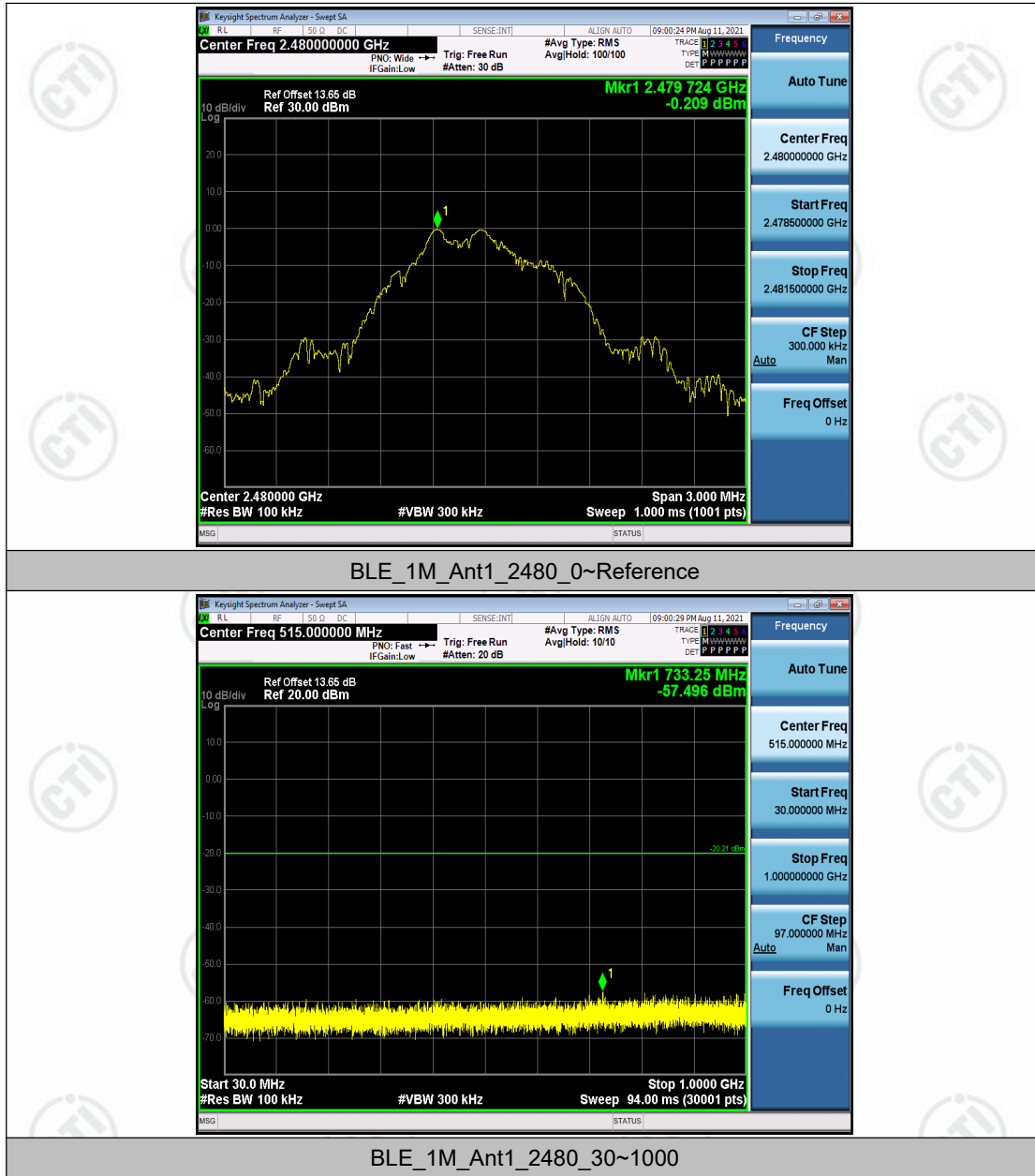


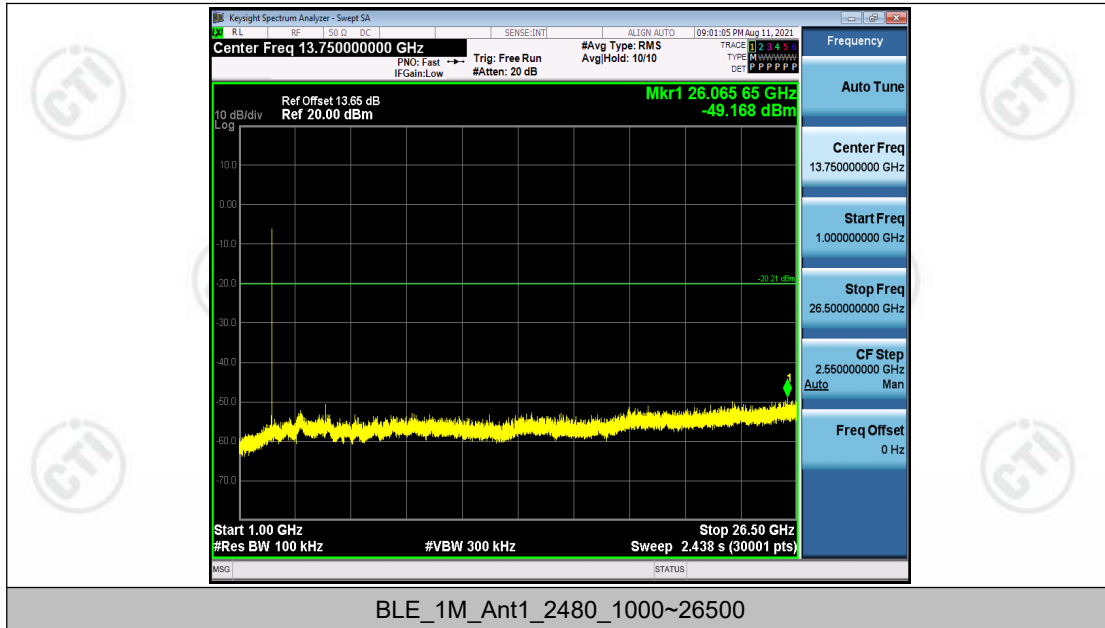


BLE\_1M\_Ant1\_2440\_30~1000



BLE\_1M\_Ant1\_2440\_1000~26500

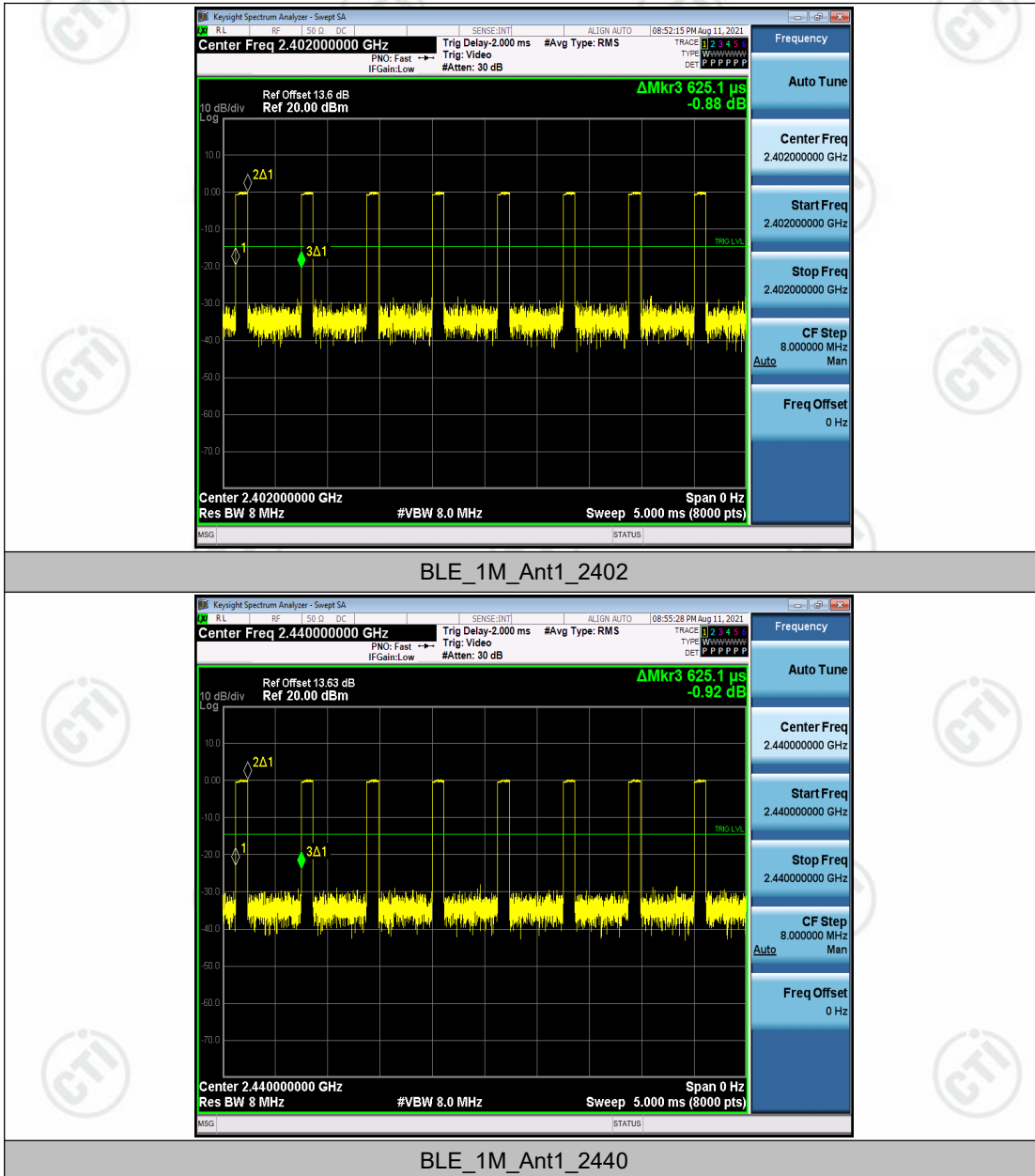




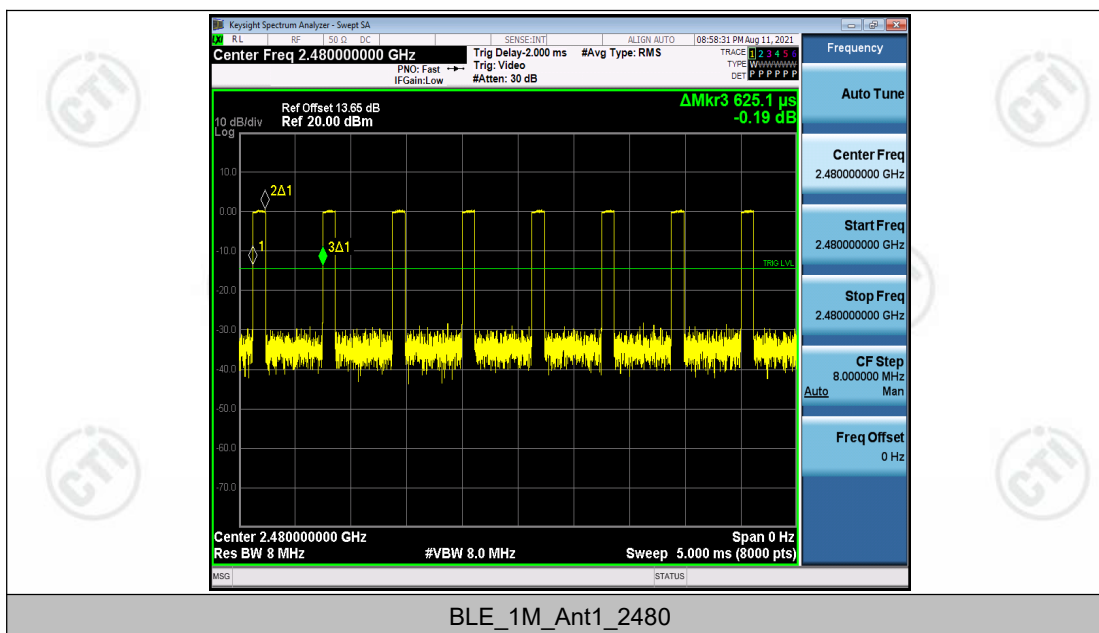
**Appendix G: Duty Cycle****Test Result**

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.11	0.63	18.00	---	PASS
		2440	0.11	0.63	18.00	---	PASS
		2480	0.11	0.63	17.90	---	PASS

## Test Graphs







BLE\_1M\_Ant1\_2480

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