

Appendix: Bluetooth LE

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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	0.700	2401.628	2402.328	0.5	PASS
		2440	0.684	2439.644	2440.328	0.5	PASS
		2480	0.676	2479.656	2480.332	0.5	PASS

## Test Graphs



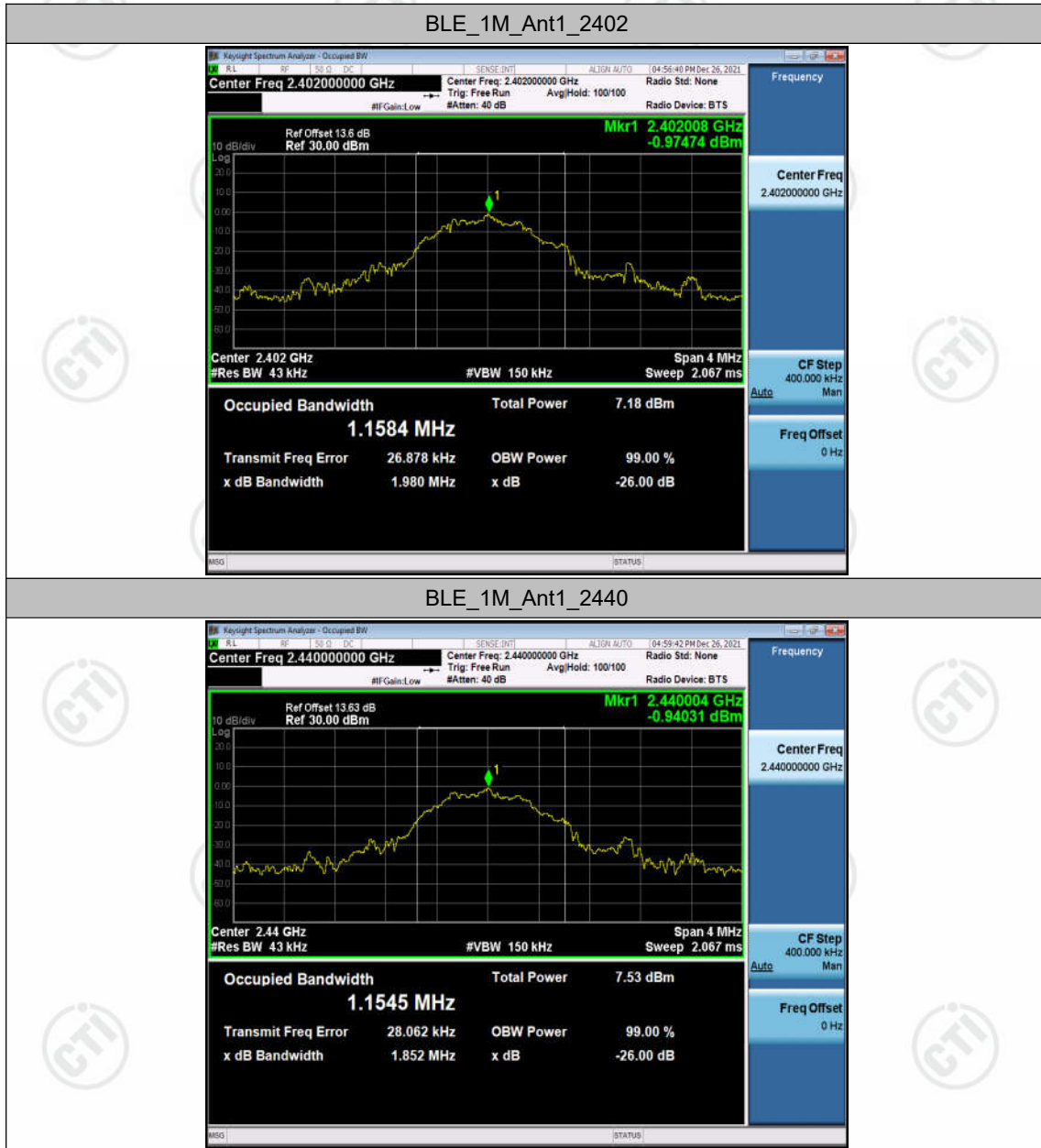


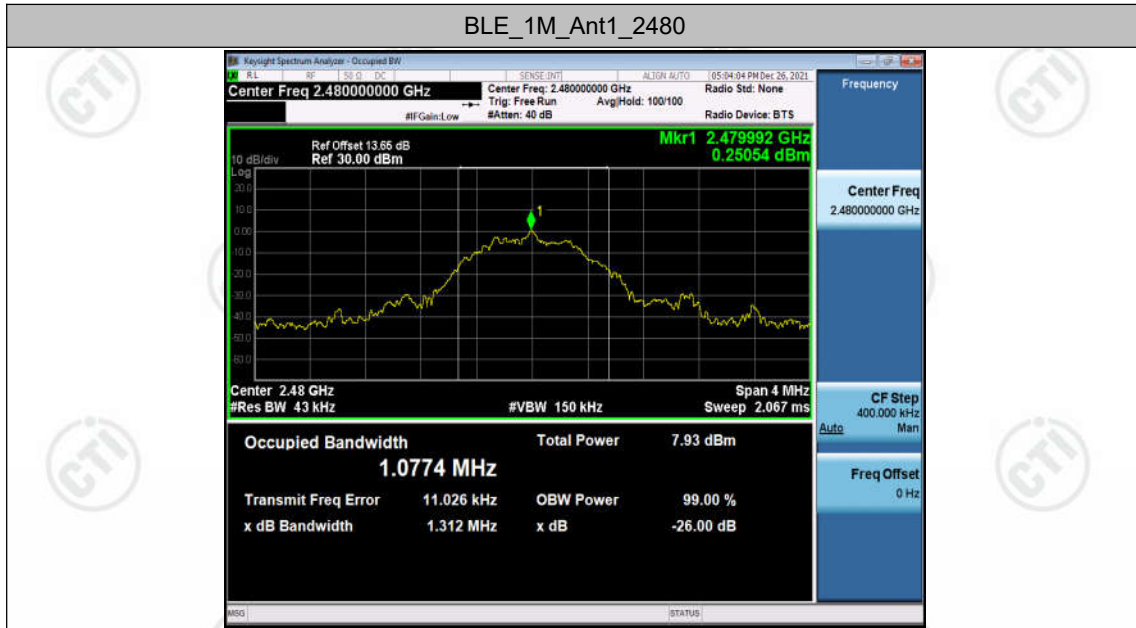
## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1584	2401.448	2402.606	---	PASS
		2440	1.1545	2439.451	2440.605	---	PASS
		2480	1.0774	2479.472	2480.550	---	PASS

## Test Graphs





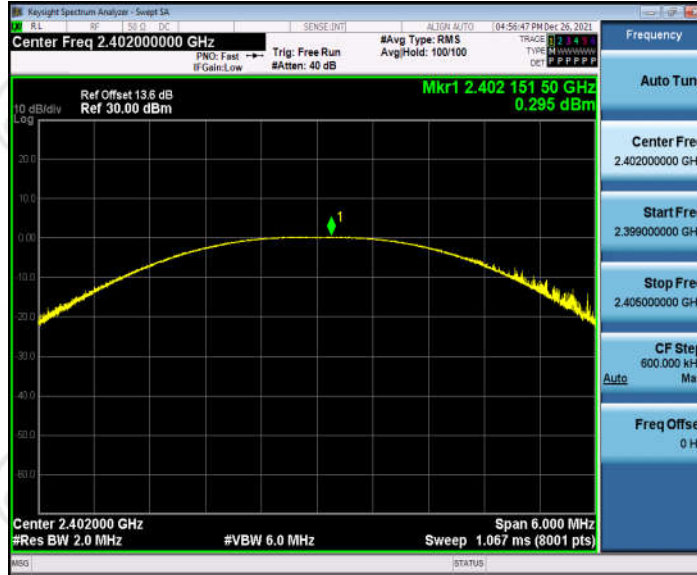


**Appendix C: Maximum conducted output power****Test Result**

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.3	<=30	PASS
		2440	0.86	<=30	PASS
		2480	1.04	<=30	PASS

## Test Graphs

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440





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

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.09	<=8	PASS
		2440	-12.89	<=8	PASS
		2480	-12.97	<=8	PASS

## Test Graphs

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



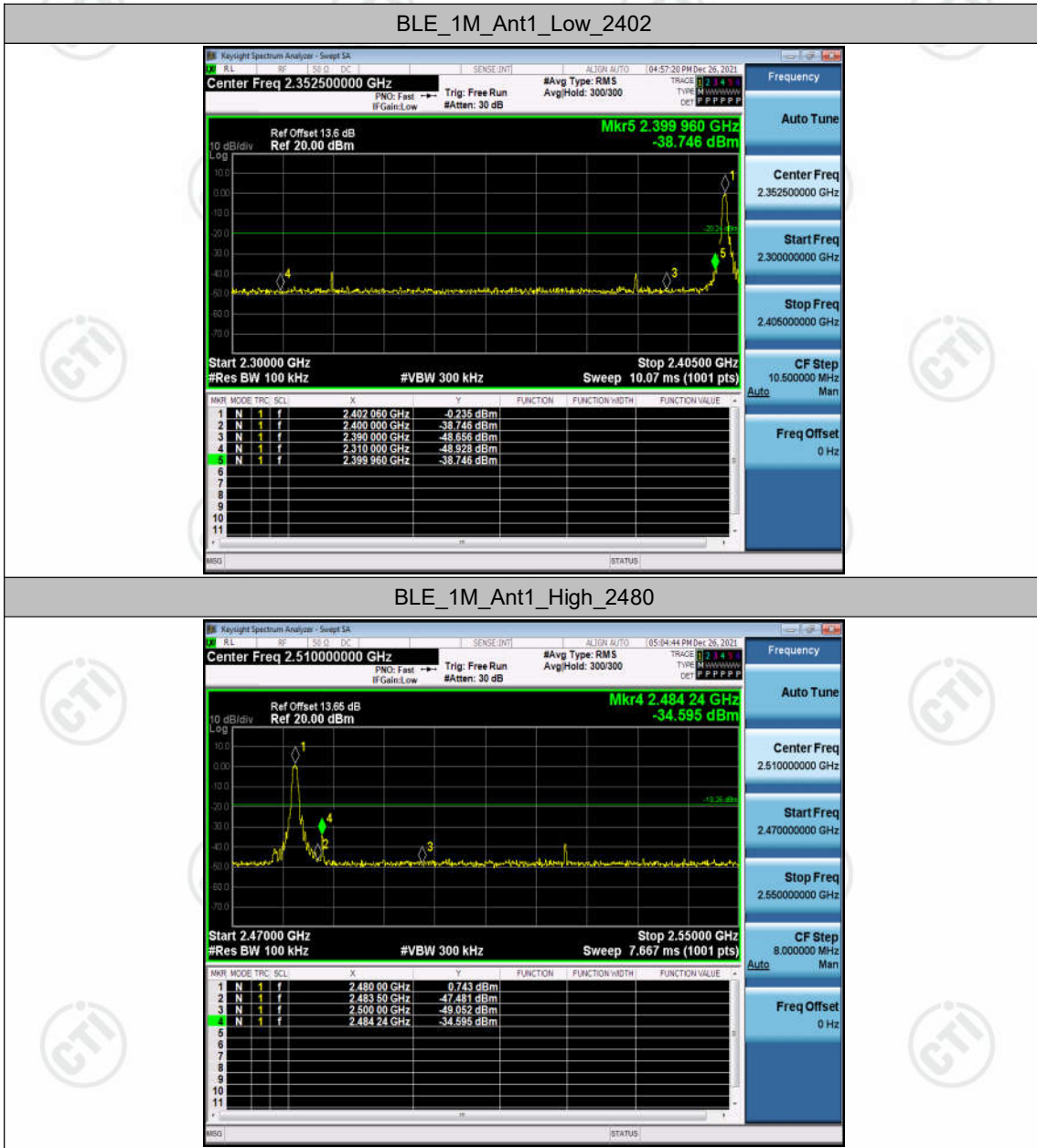


## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.24	-38.75	<=-20.24	PASS
		High	2480	0.74	-34.6	<=-19.26	PASS

## Test Graphs



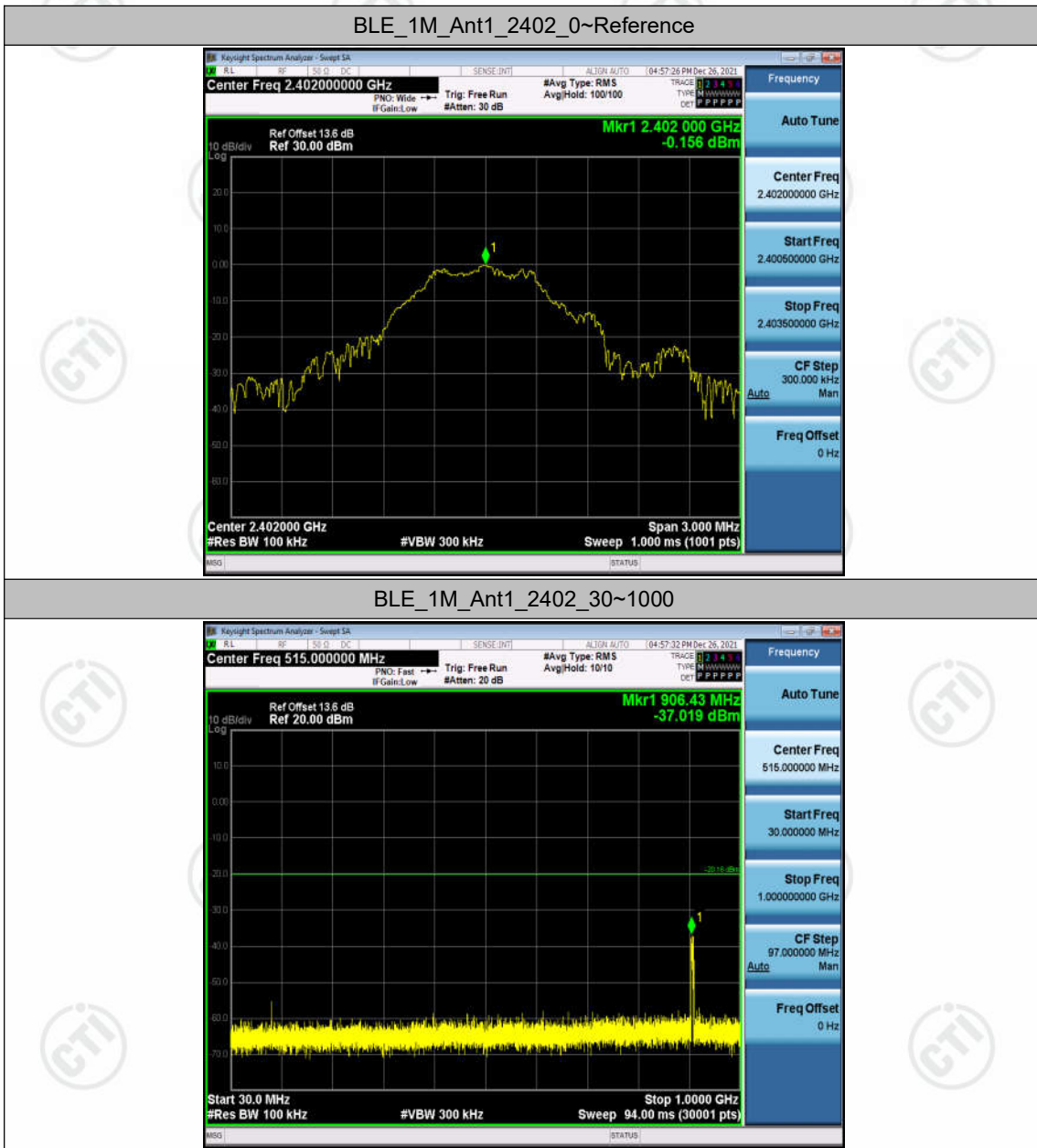


## Appendix F: Conducted Spurious Emission

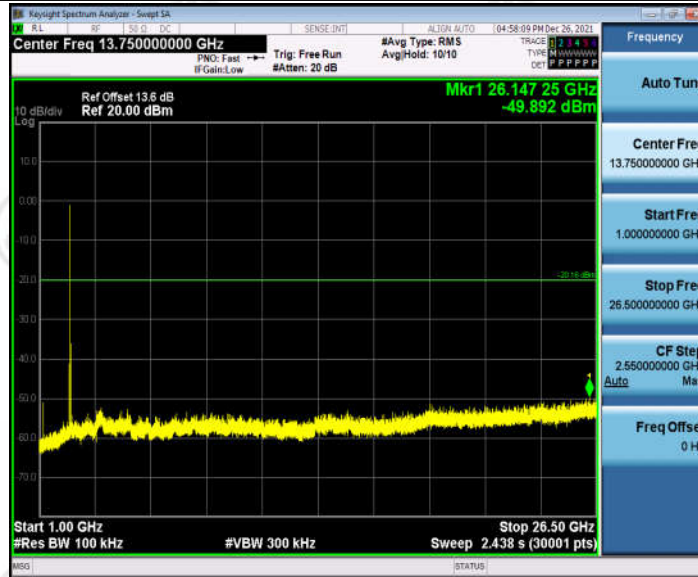
### Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.16	-0.16	---	PASS
			30~1000	30~1000	-37.019	<=-20.156	PASS
			1000~26500	1000~26500	-49.892	<=-20.156	PASS
		2440	Reference	0.42	0.42	---	PASS
			30~1000	30~1000	-30.575	<=-19.585	PASS
			1000~26500	1000~26500	-49.497	<=-19.585	PASS
		2480	Reference	0.57	0.57	---	PASS
			30~1000	30~1000	-33.348	<=-19.425	PASS
			1000~26500	1000~26500	-45.699	<=-19.425	PASS

## Test Graphs

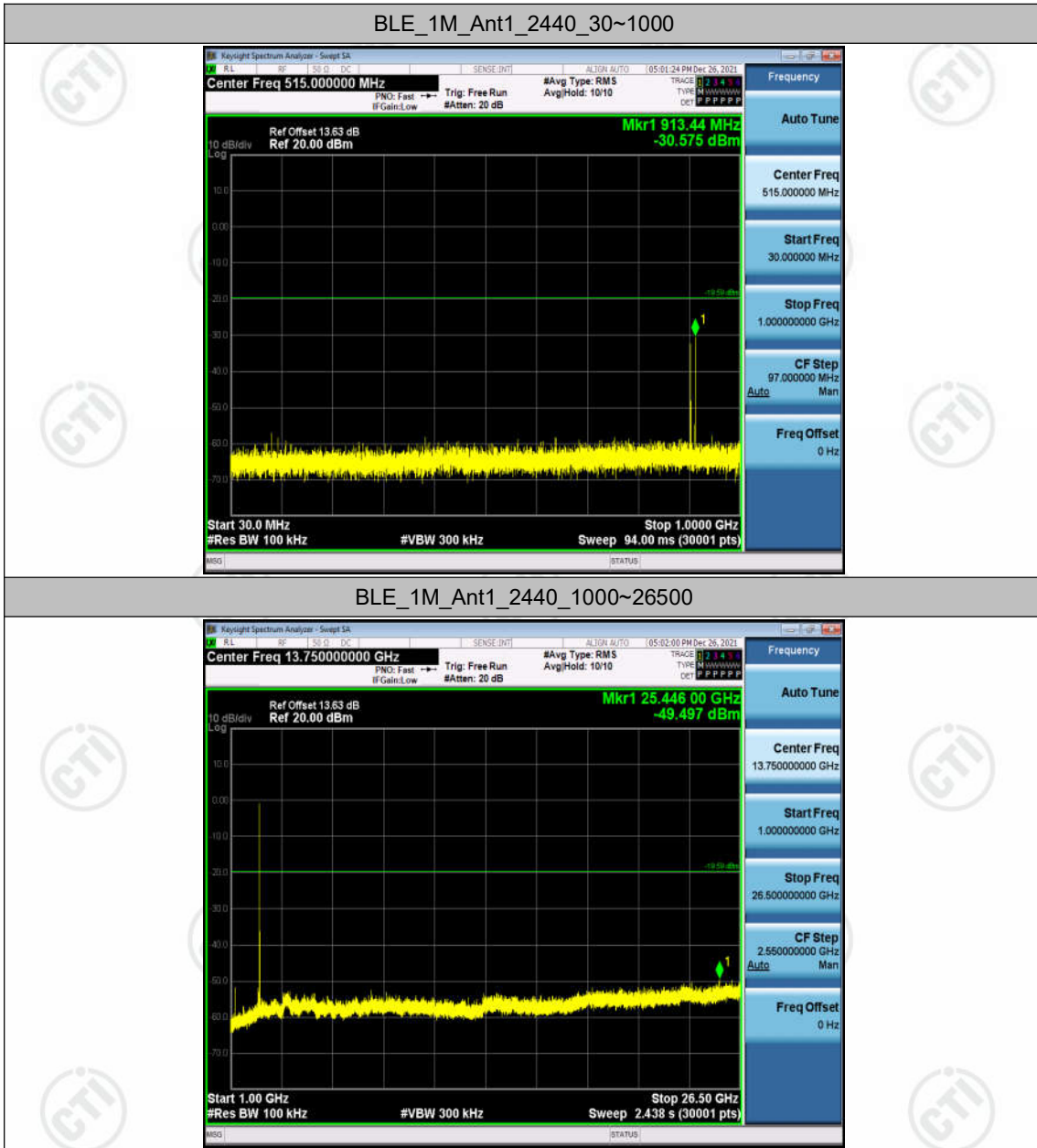


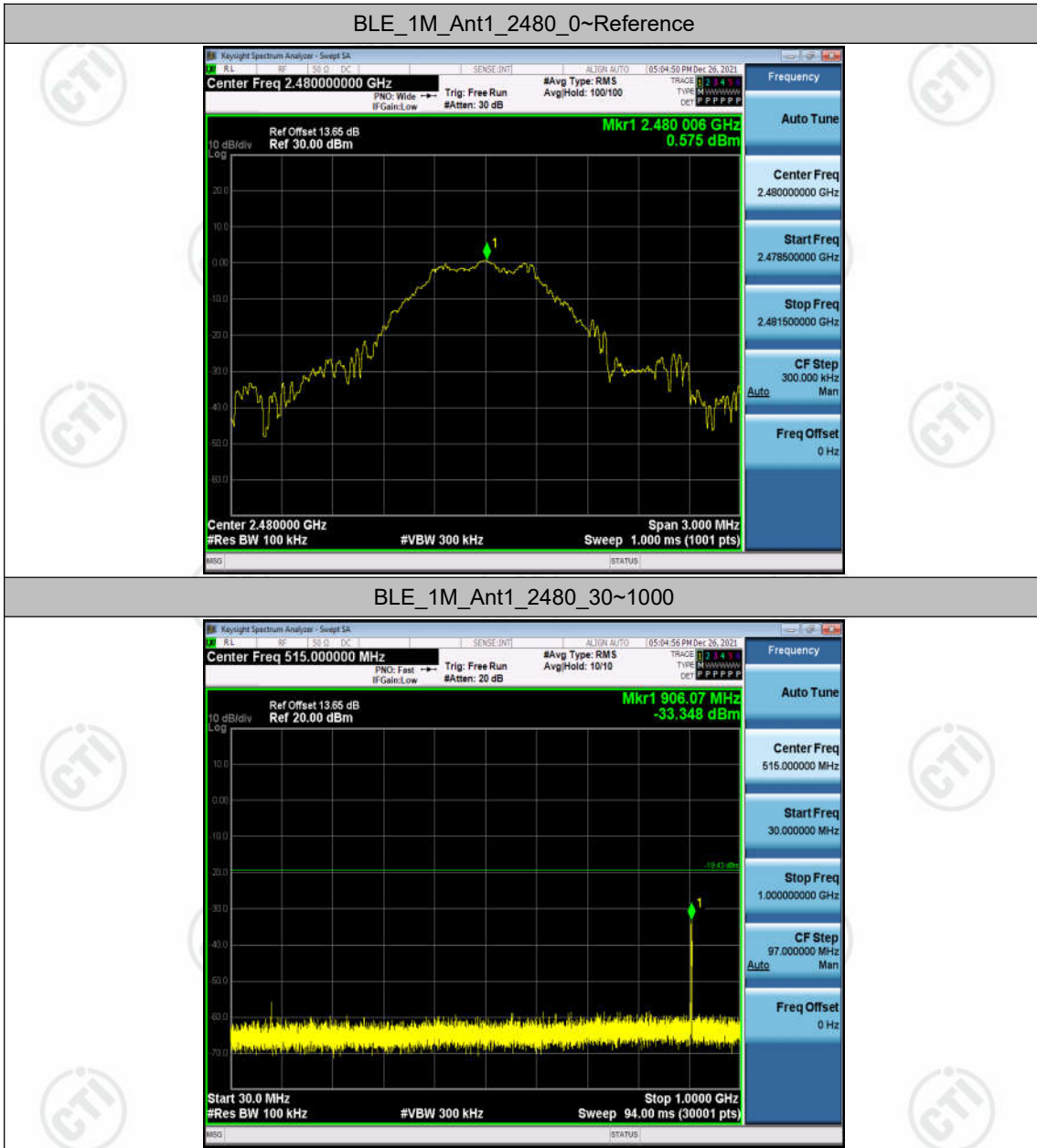
BLE\_1M\_Ant1\_2402\_1000~26500

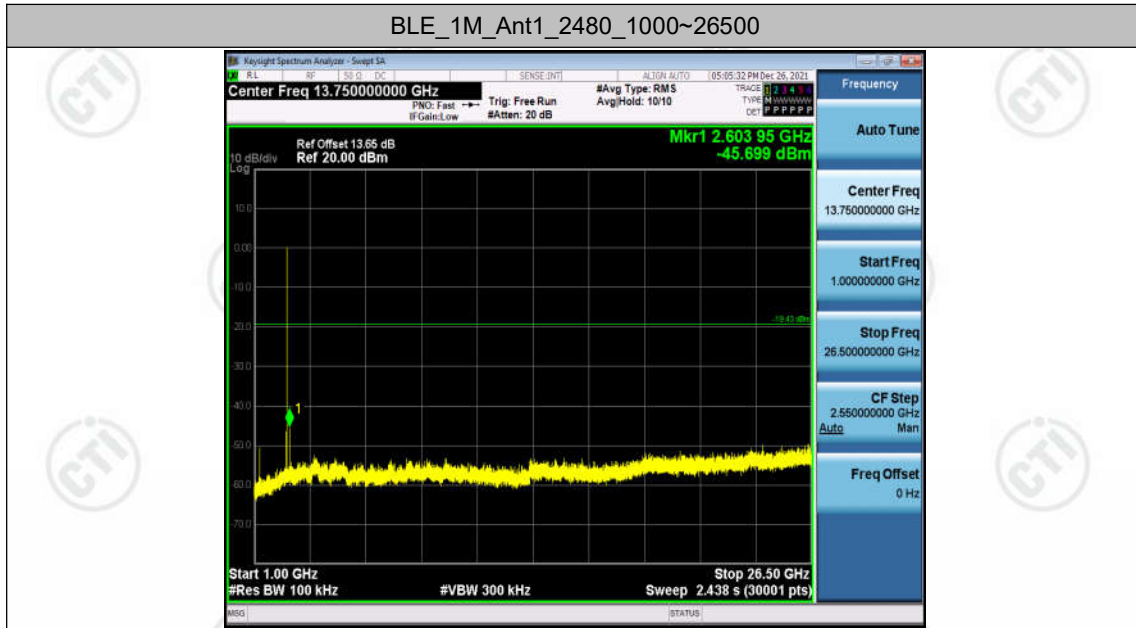


BLE\_1M\_Ant1\_2440\_0~Reference







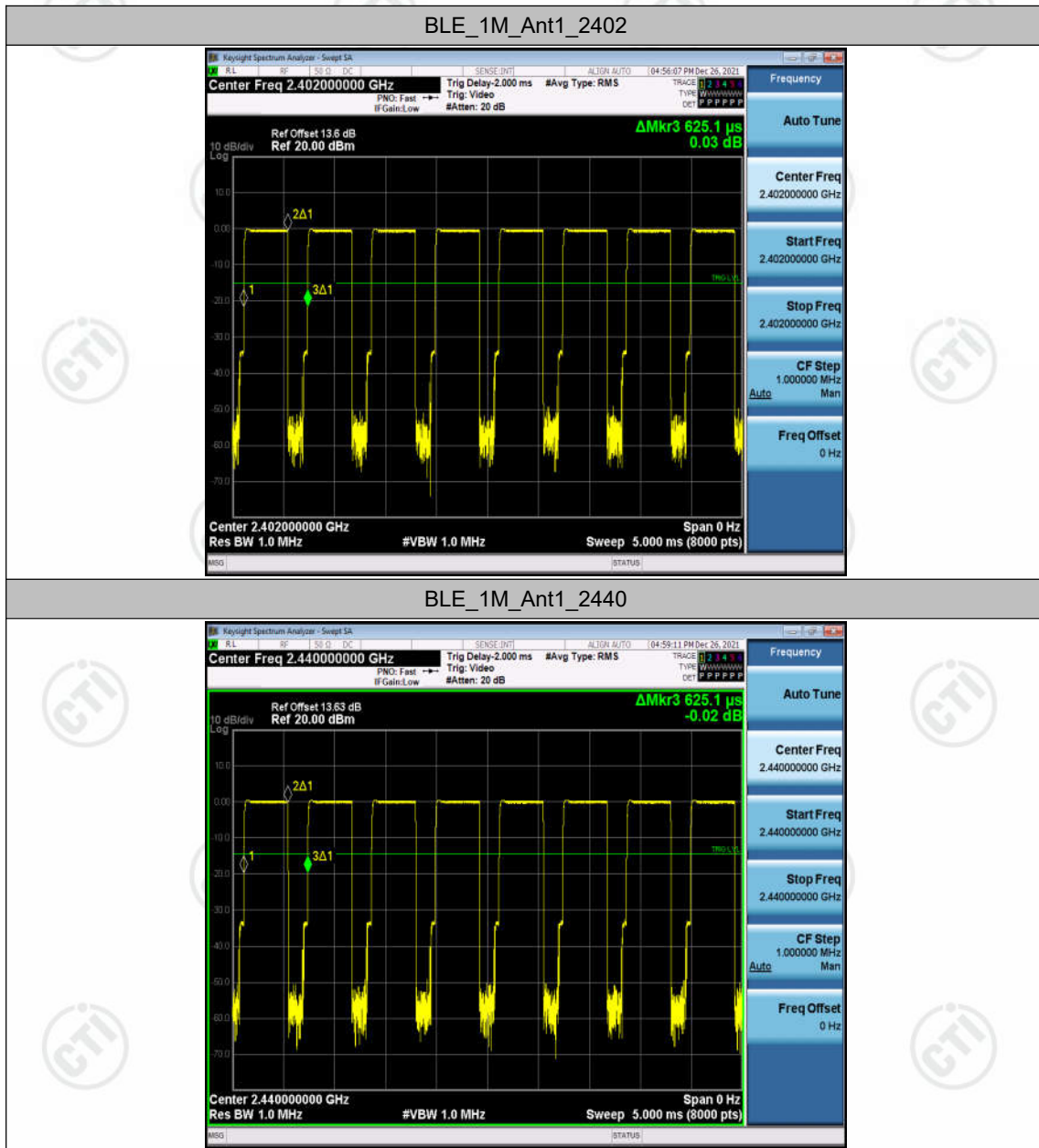


## Appendix G: Duty Cycle

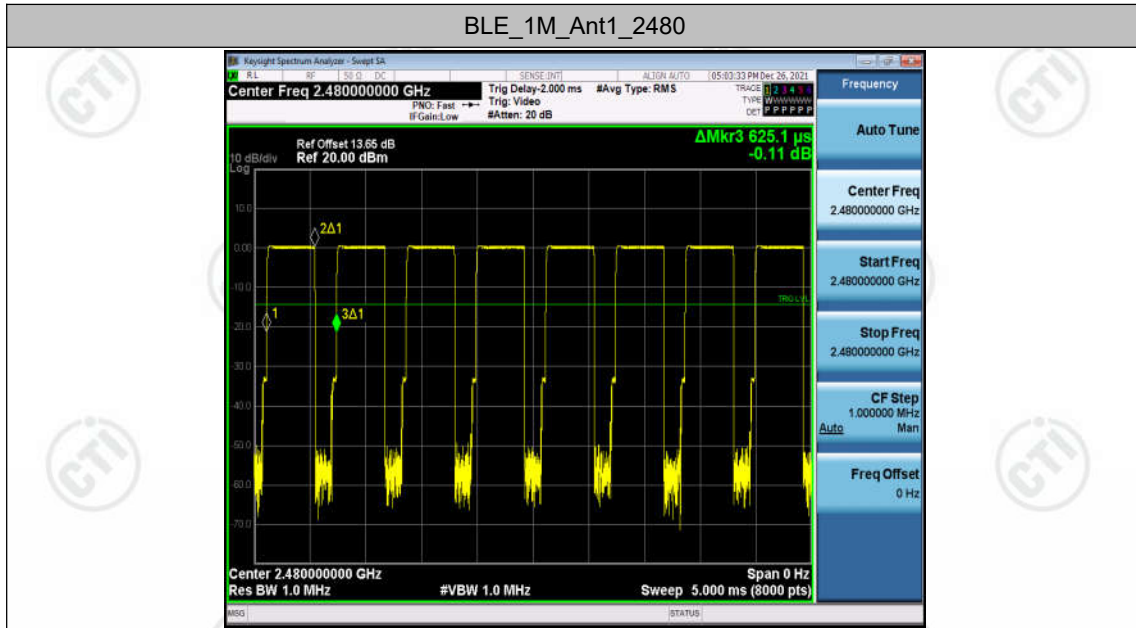
### Test Result

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	69.30	---	PASS
		2480	0.43	0.63	69.30	---	PASS

## Test Graphs







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