



## Appendix B

### RF Test Data for BT (BLE) (Conducted Measurement)

Product Name: Wireless pedal receiver FT06-R1

Trade Mark: NOVA

Test Model: NVA-FT06-R1

Environmental Conditions

Temperature:	256° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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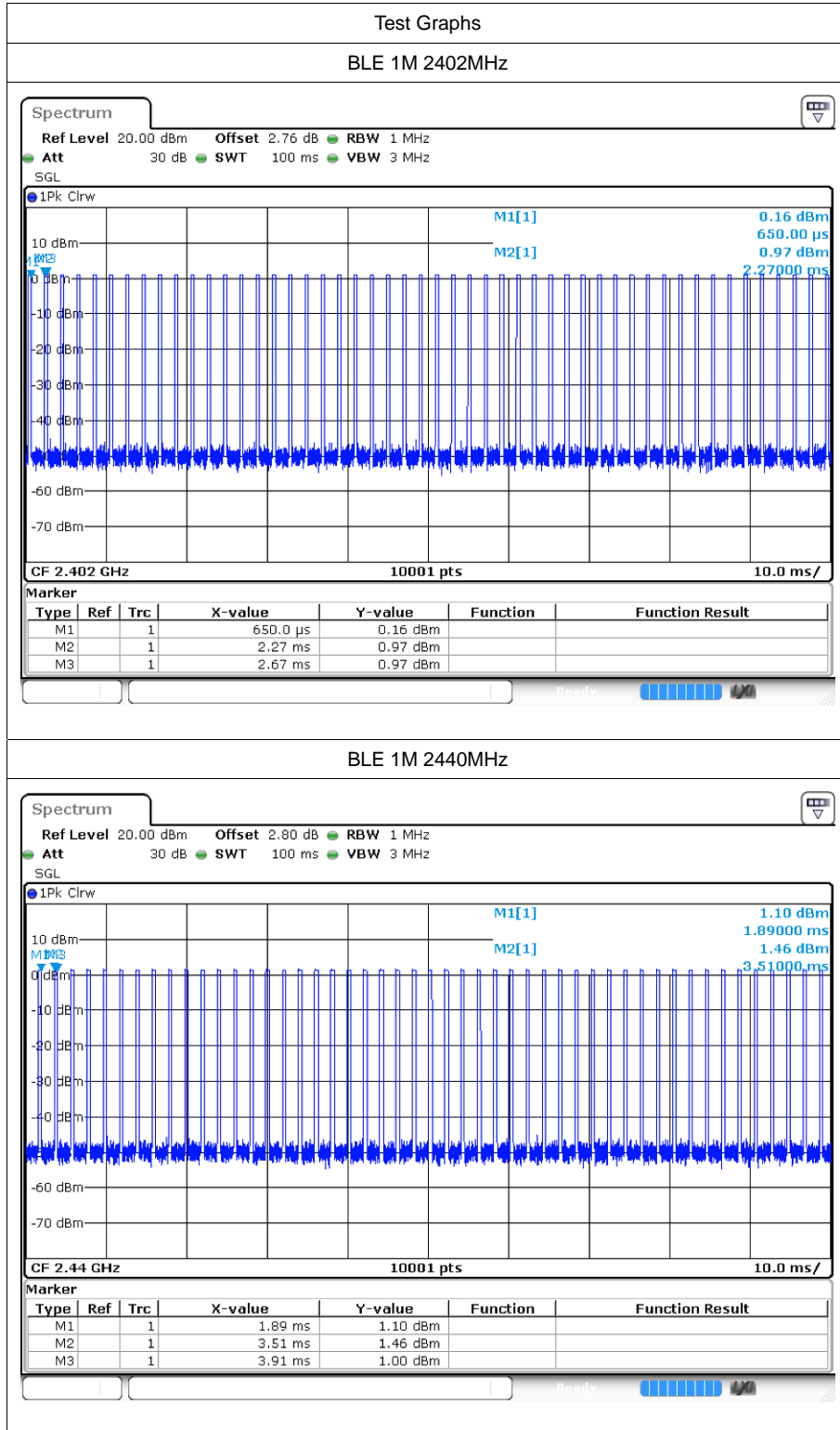


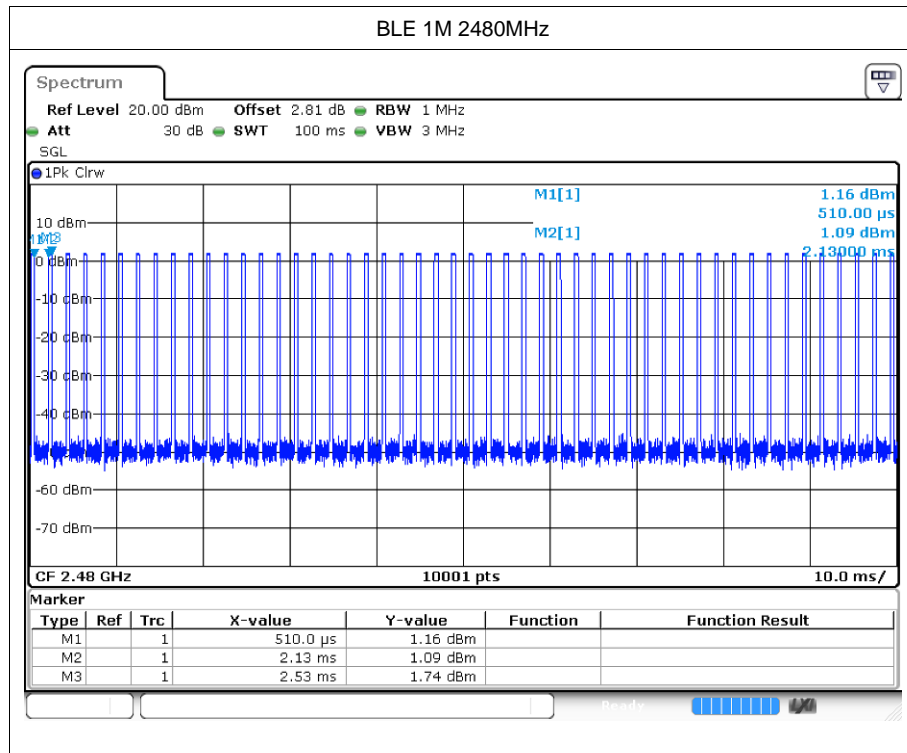
# 1 Duty Cycle

## 1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	20.51	2.5
BLE 1M	2440	20.1	2.5
BLE 1M	2480	20.52	2.5

## 1.2 Test Graphs





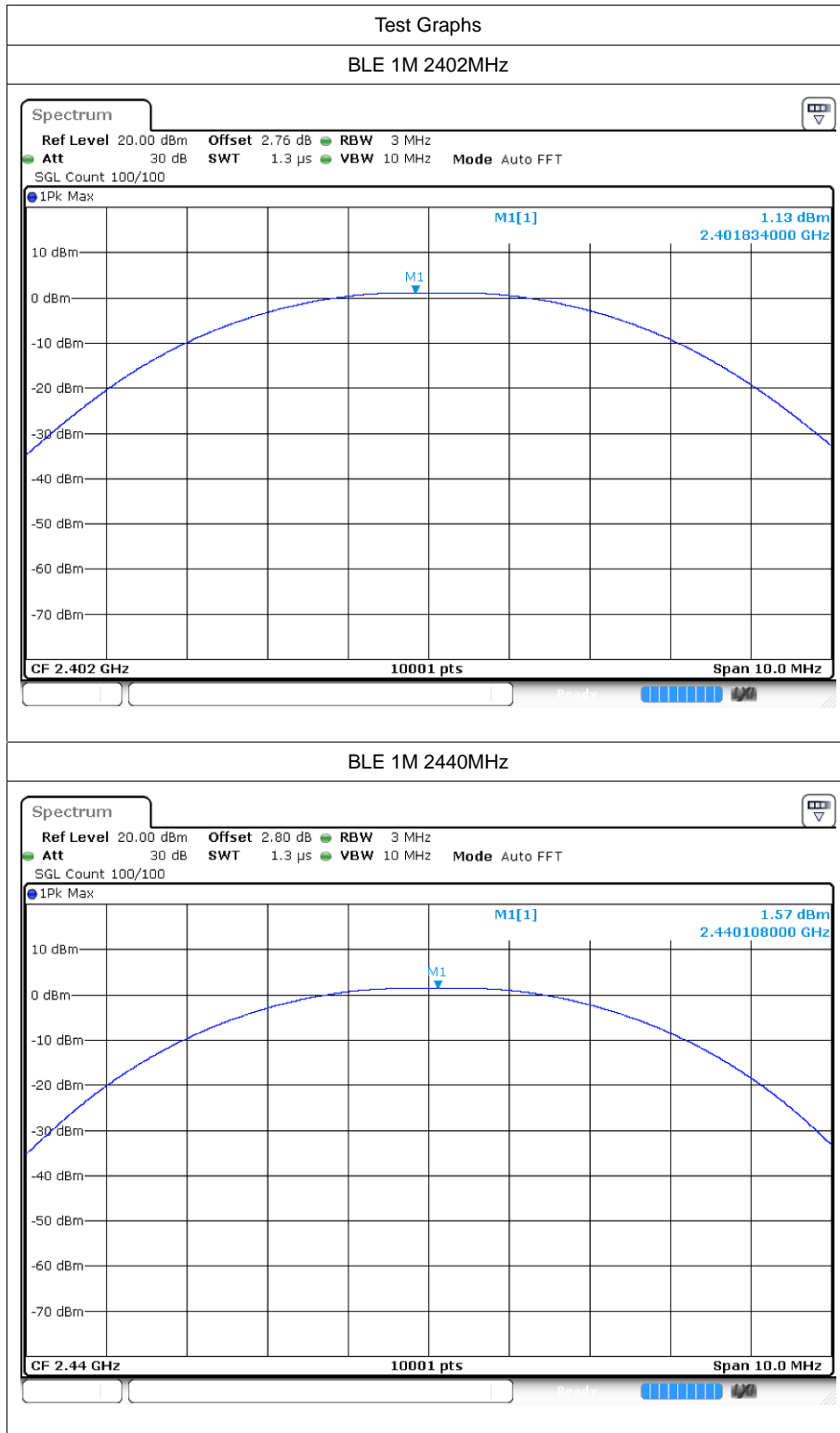


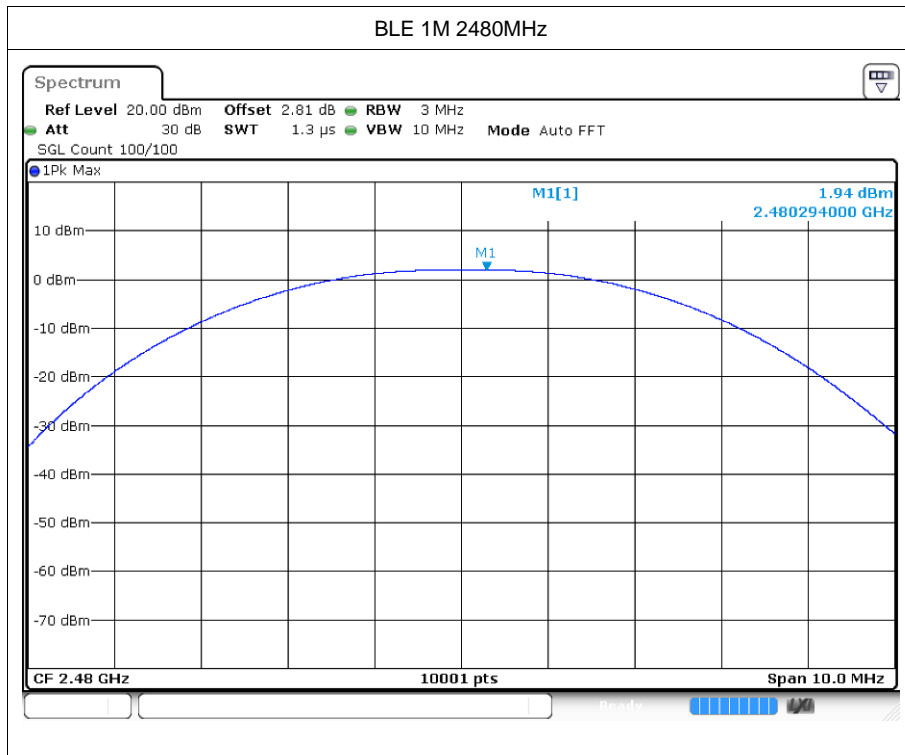
## 2 Maximum Conducted Output Power

### 2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	1.13	30	Pass
BLE 1M	2440	1.57	30	Pass
BLE 1M	2480	1.94	30	Pass

## 2.2 Test Graphs







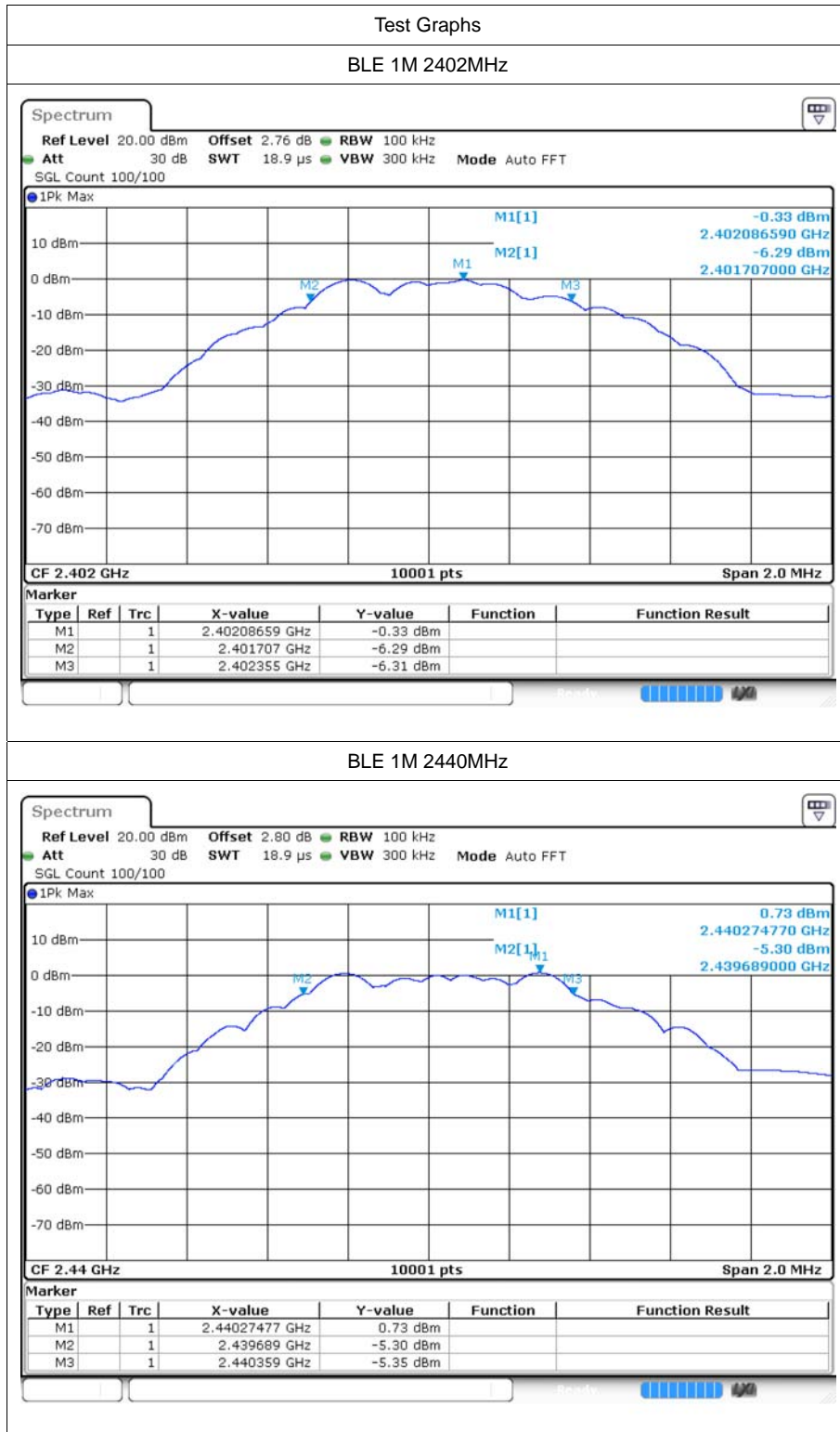


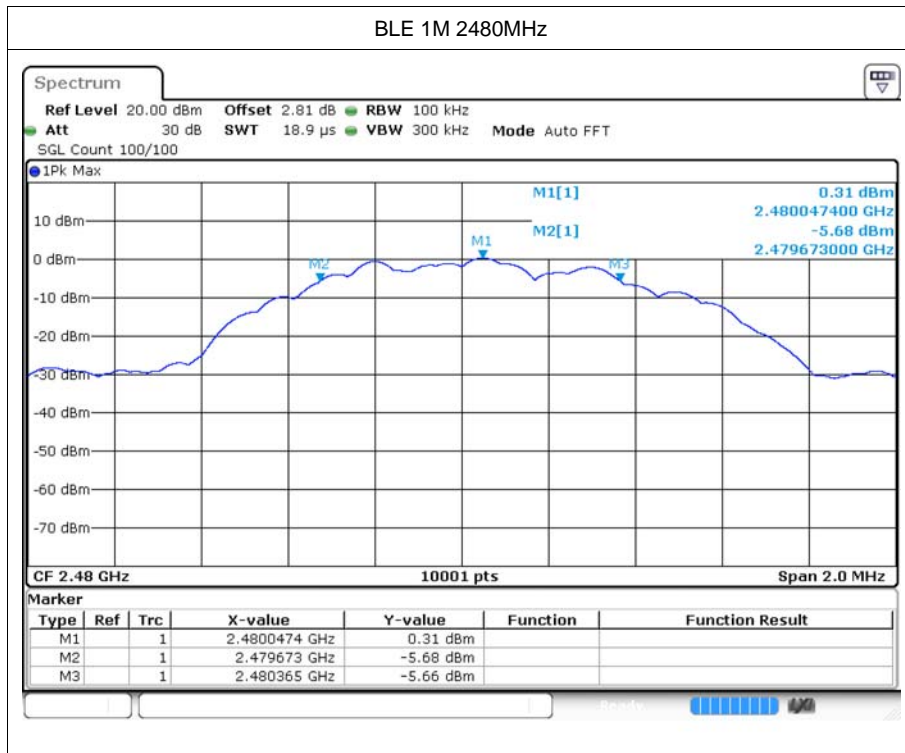
### 3 -6dB Bandwidth

#### 3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.649	0.5	Pass
BLE 1M	2440	0.669	0.5	Pass
BLE 1M	2480	0.693	0.5	Pass

### 3.2 Test Graphs





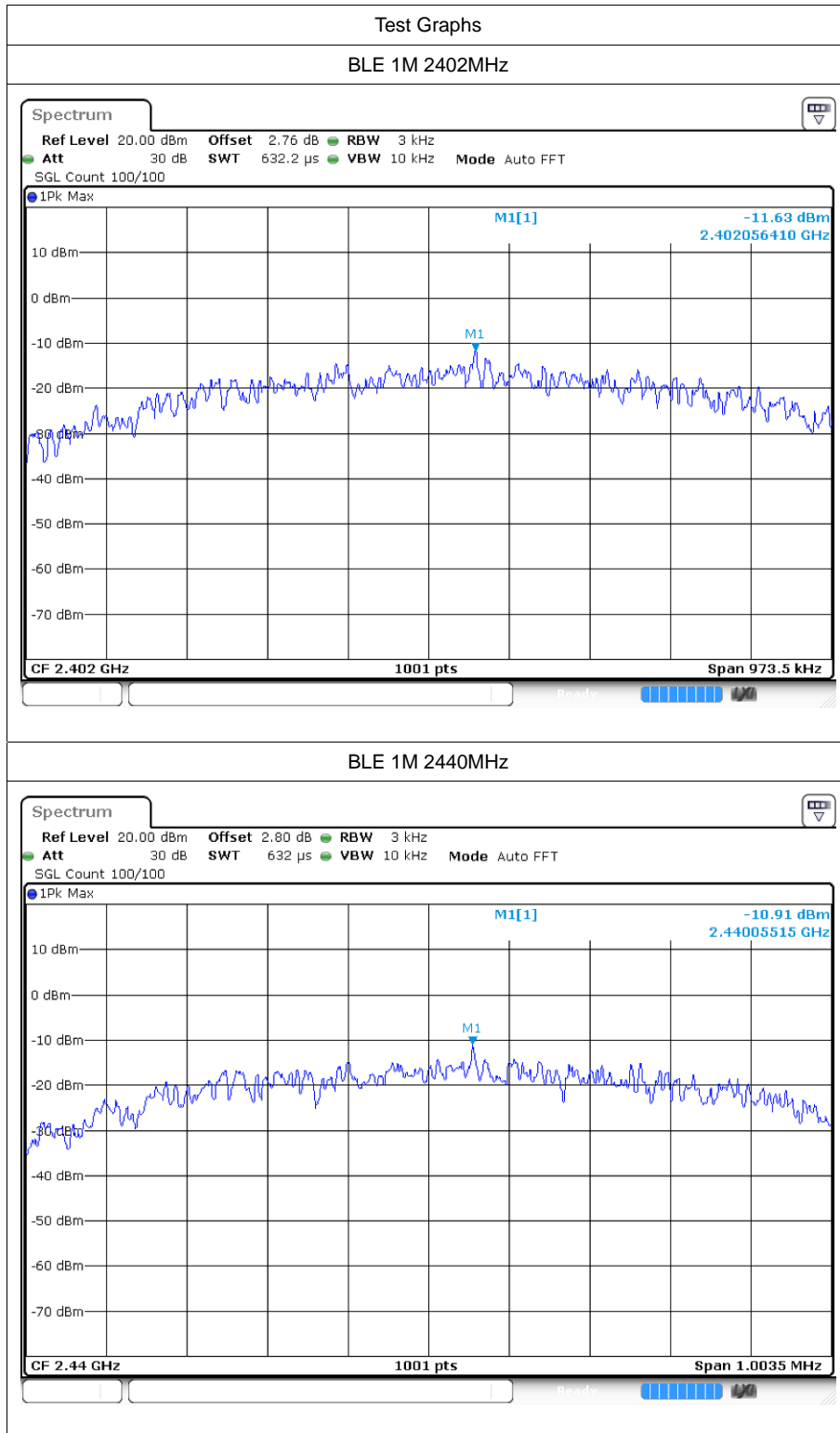


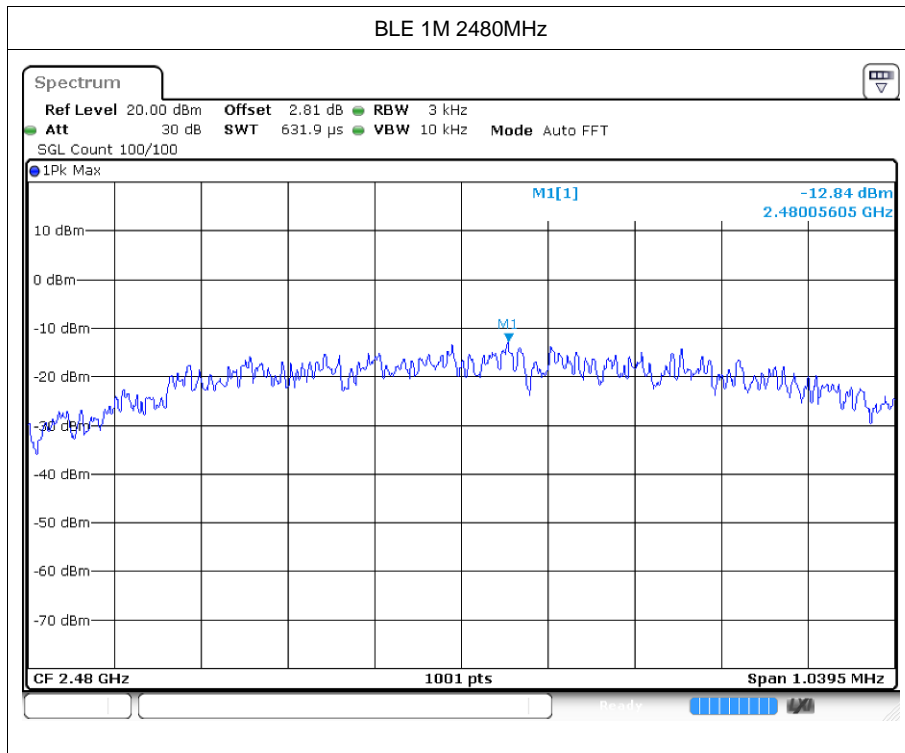
## 4 Maximum Power Spectral Density Level

### 4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-11.63	≤8	Pass
BLE 1M	2440	-10.91	≤8	Pass
BLE 1M	2480	-12.84	≤8	Pass

## 4.2 Test Graphs





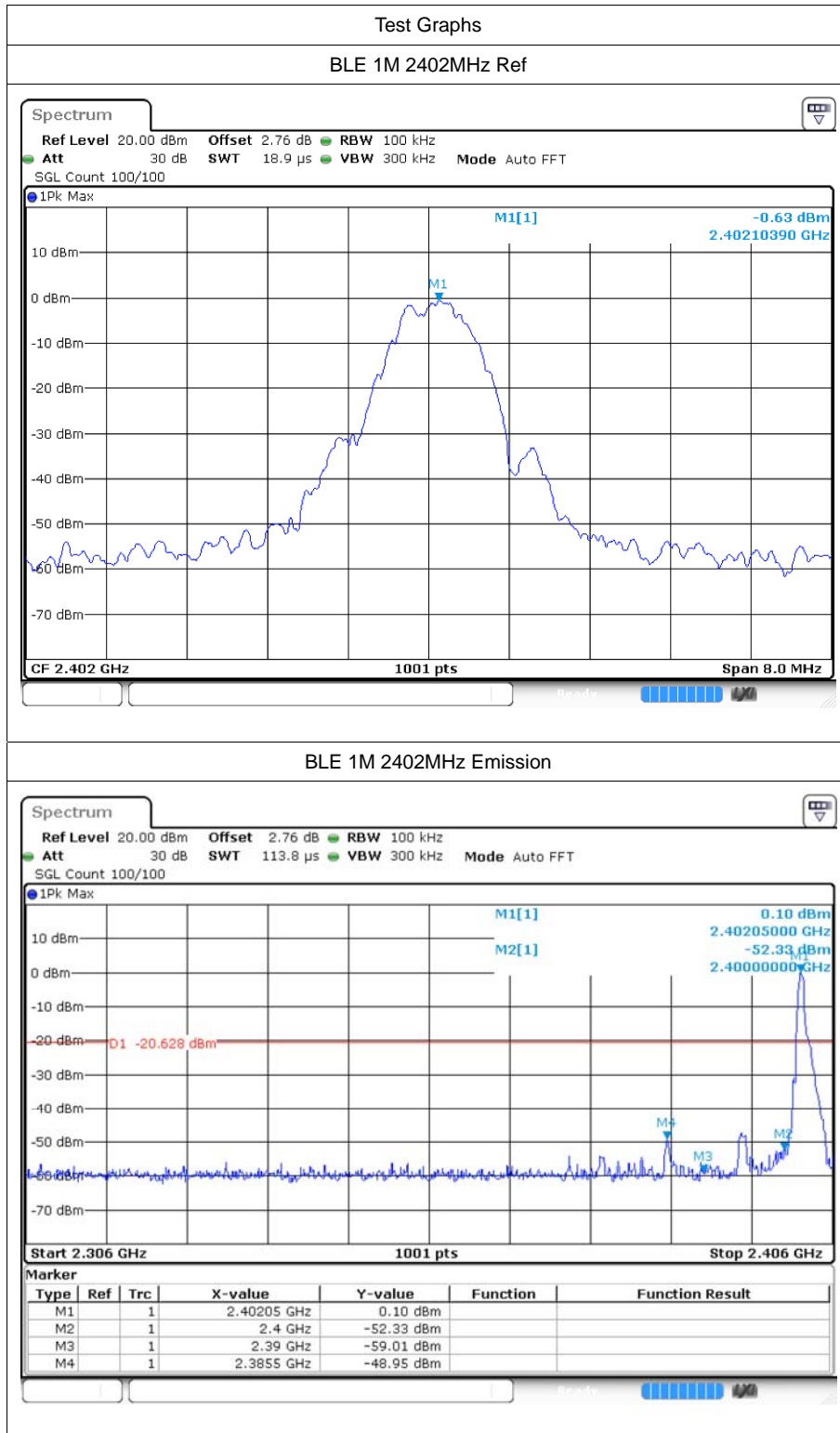


## 5 Band Edge

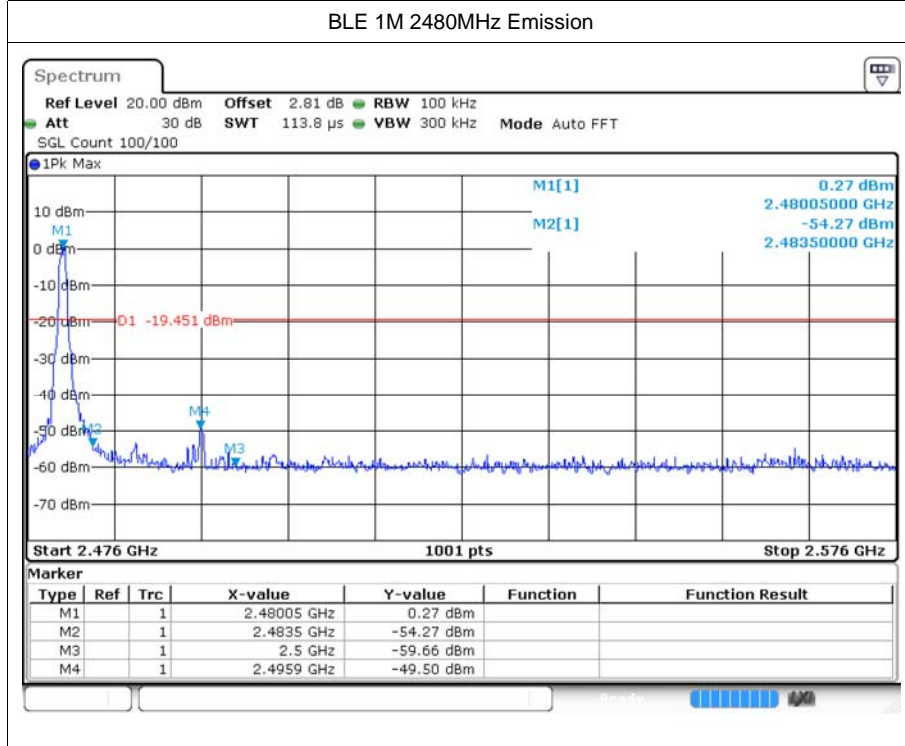
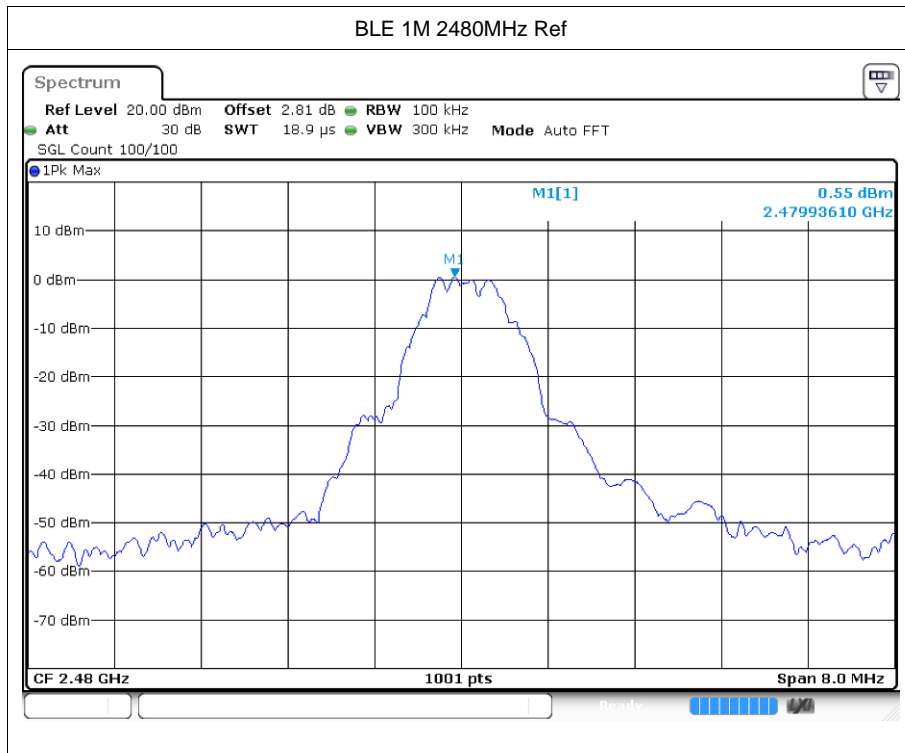
### 5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-48.32	-20	Pass
BLE 1M	2480	-50.04	-20	Pass

## 5.2 Test Graphs







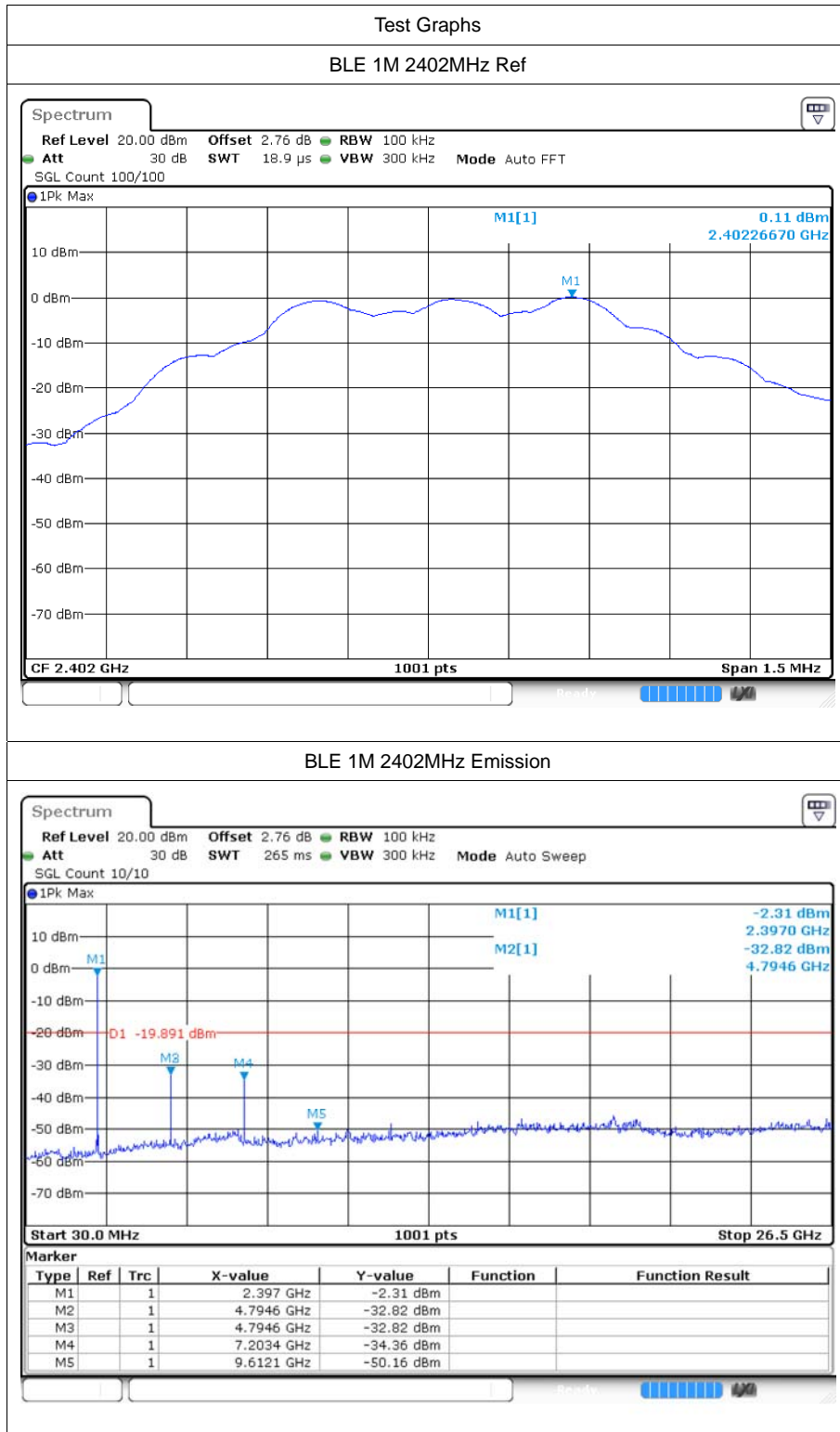


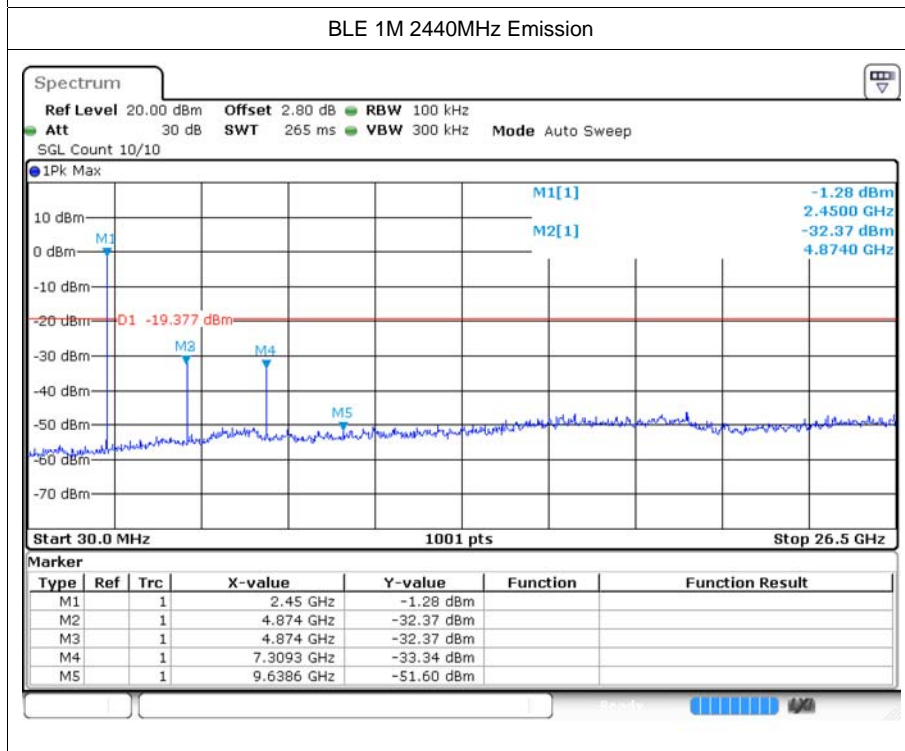
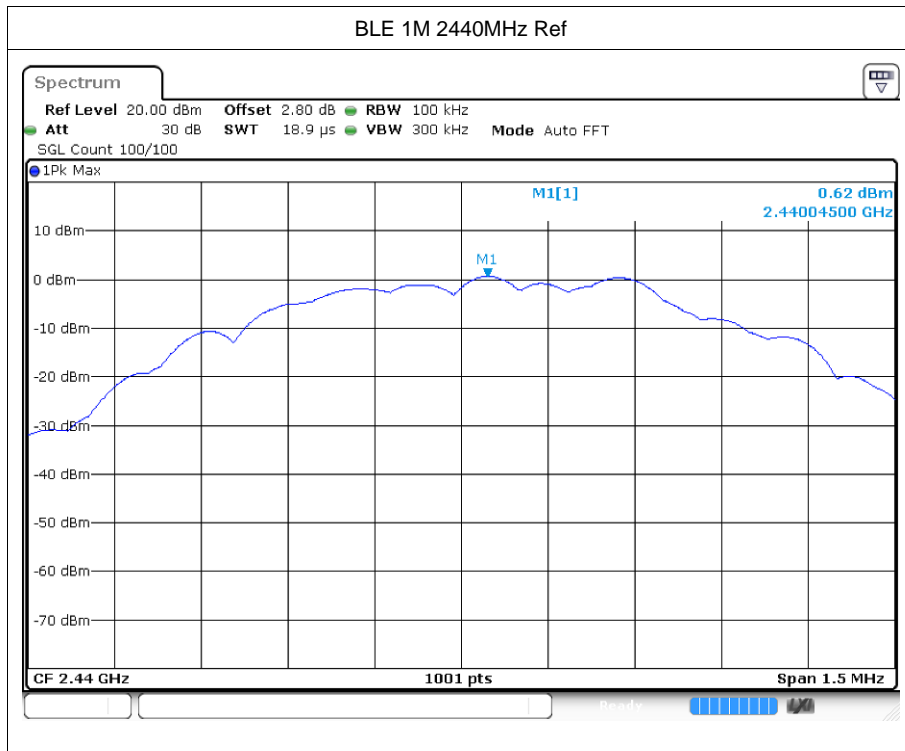
## 6 Conducted RF Spurious Emission

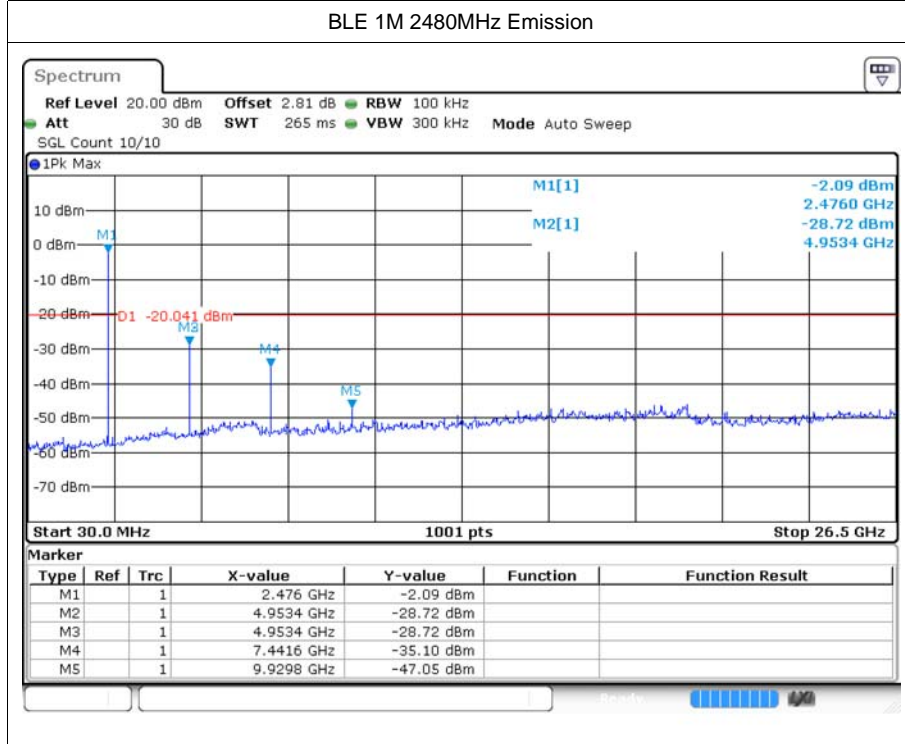
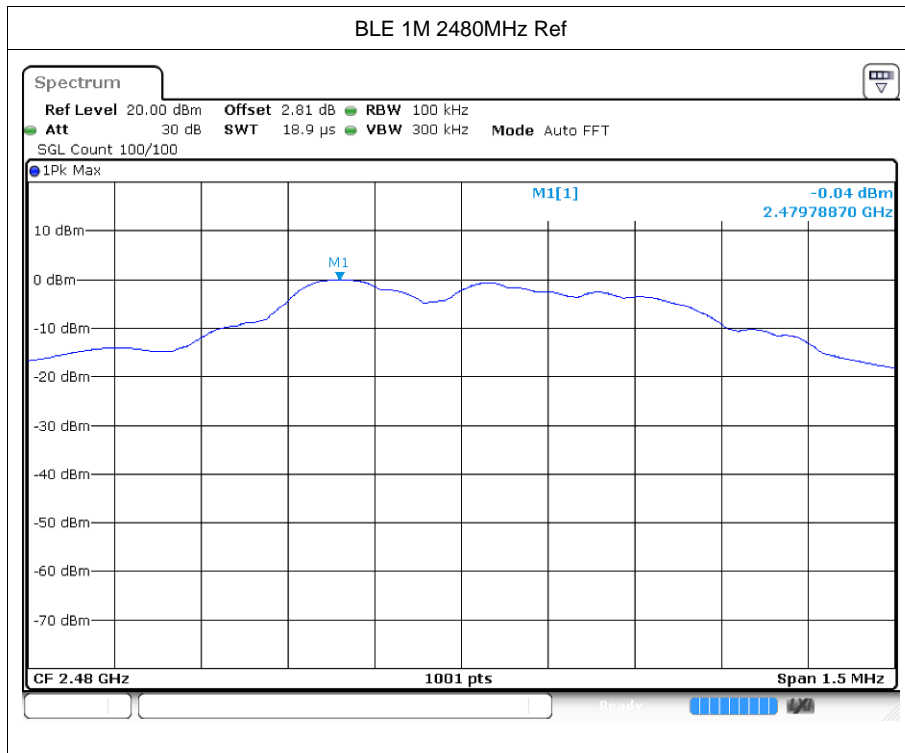
### 6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-32.92	-20	Pass
BLE 1M	2440	-32.98	-20	Pass
BLE 1M	2480	-28.68	-20	Pass

## 6.2 Test Graphs







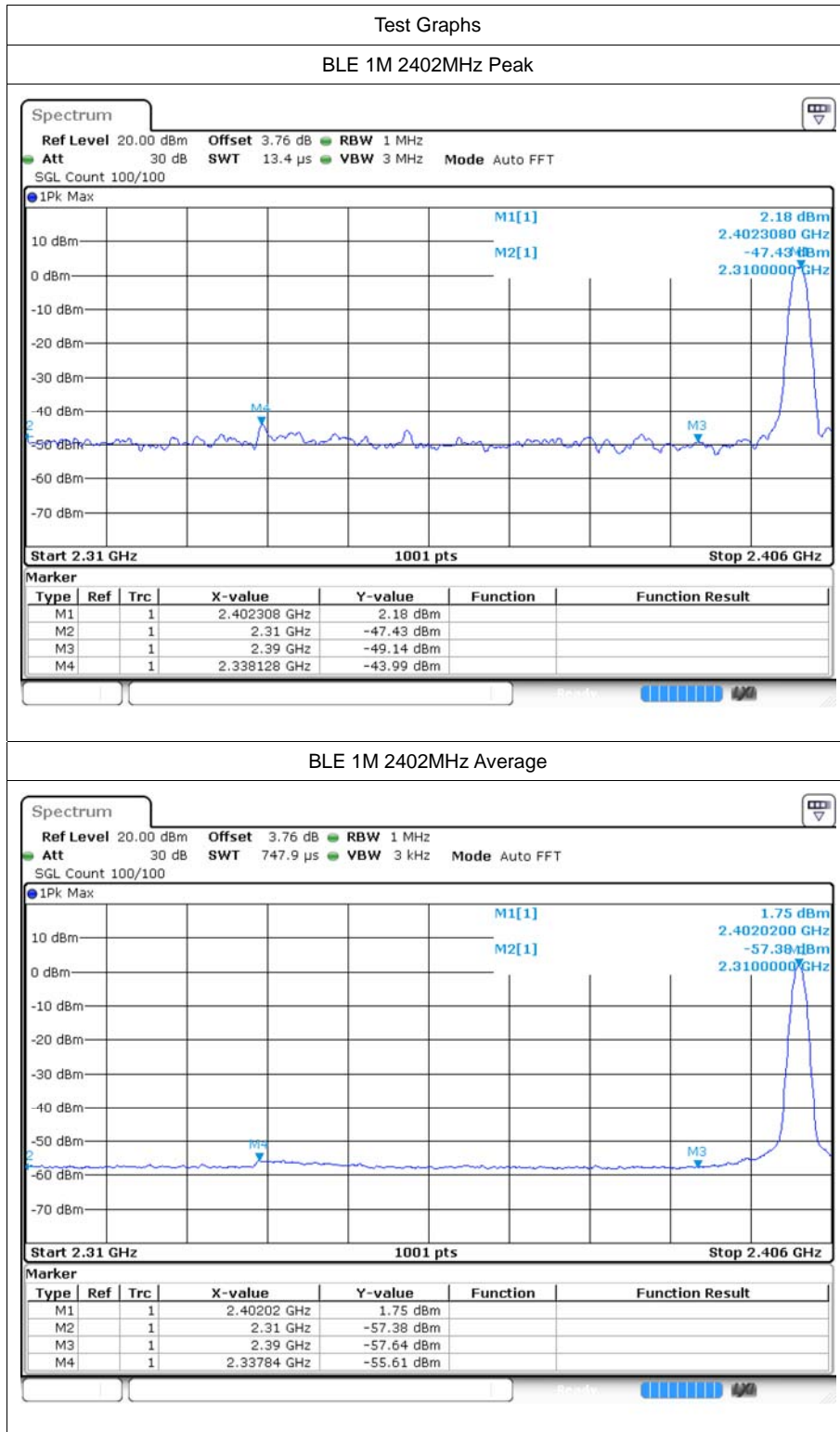


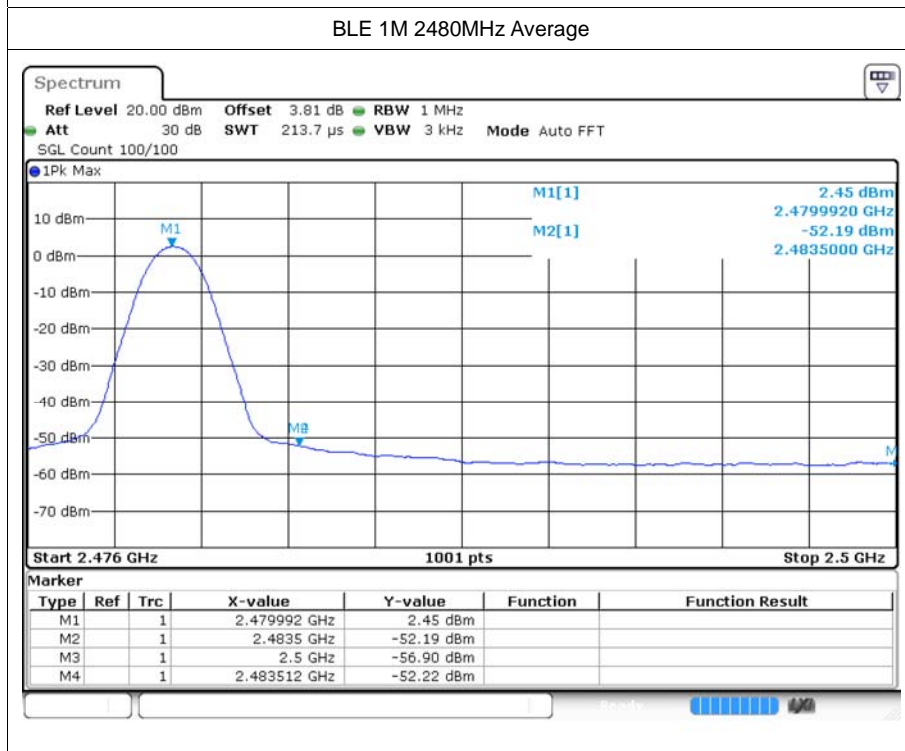
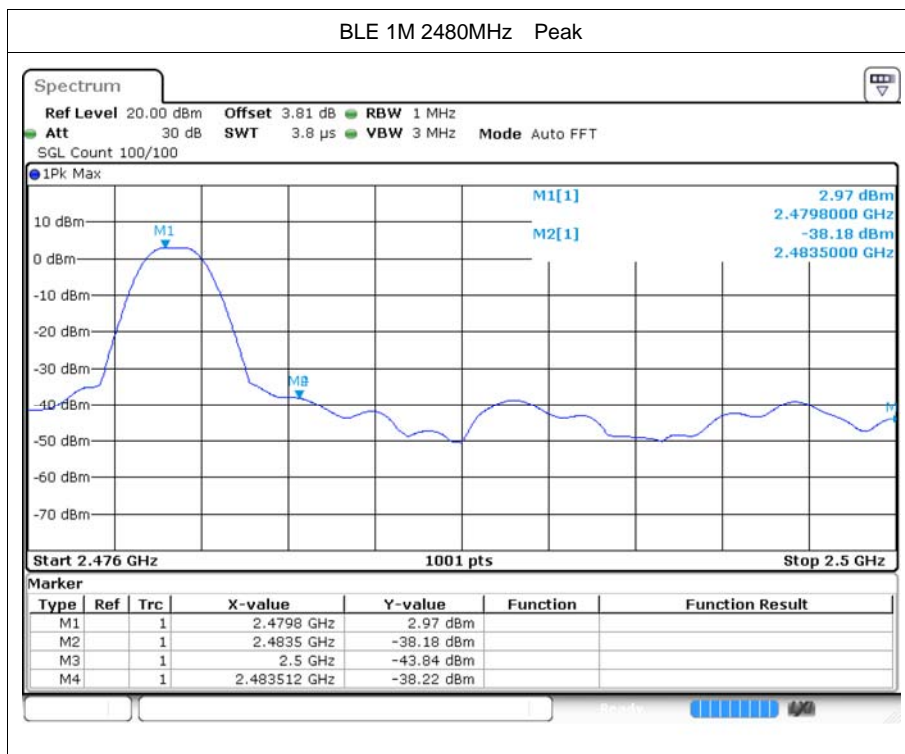
## 7 Restrict Band

### 7.1 Test Result

Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
BLE 1M	2402	2310	-47.42	2	49.84	Peak	74	Pass
BLE 1M	2402	2310	-57.37	2	39.89	Average	54	Pass
BLE 1M	2402	2338.128	-43.99	2	53.27	Peak	74	Pass
BLE 1M	2402	2337.84	-55.61	2	41.65	Average	54	Pass
BLE 1M	2402	2390	-49.13	2	48.13	Peak	74	Pass
BLE 1M	2402	2390	-57.63	2	39.63	Average	54	Pass
BLE 1M	2480	2483.5	-38.22	2	59.04	Peak	74	Pass
BLE 1M	2480	2483.5	-52.22	2	45.04	Average	54	Pass
BLE 1M	2480	2483.512	-38.22	2	59.04	Peak	74	Pass
BLE 1M	2480	2483.512	-52.22	2	45.04	Average	54	Pass
BLE 1M	2480	2500	-43.84	2	53.42	Peak	74	Pass
BLE 1M	2480	2500	-56.89	2	40.37	Average	54	Pass

## 7.2 Test Graphs





---The End---