



## Appendix B

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

Product Name: Wifi module

Trade Mark: ACER

Test Model: WXT28M2511

Environmental Conditions

Temperature:	24.3° C
Relative Humidity:	51.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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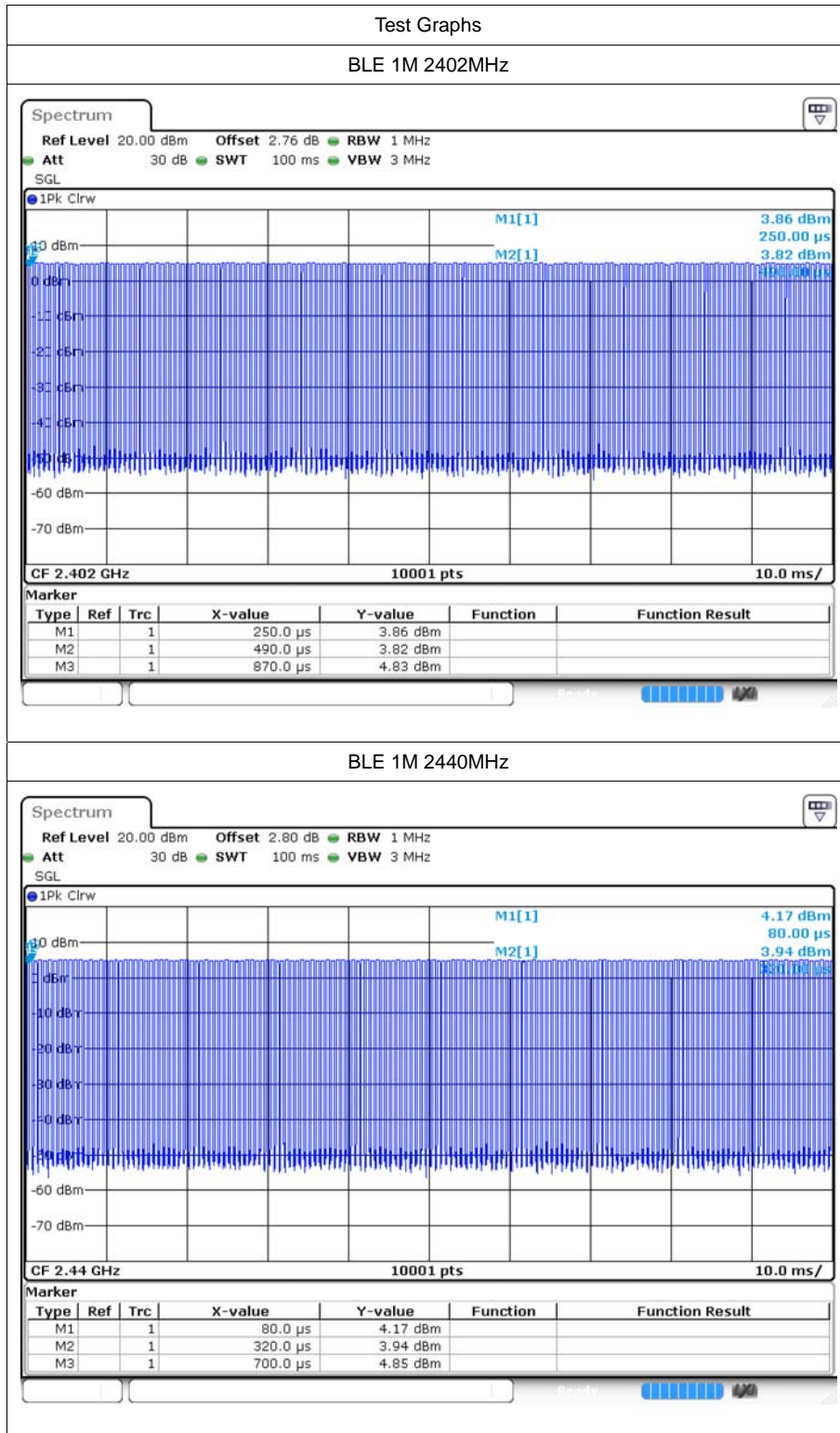


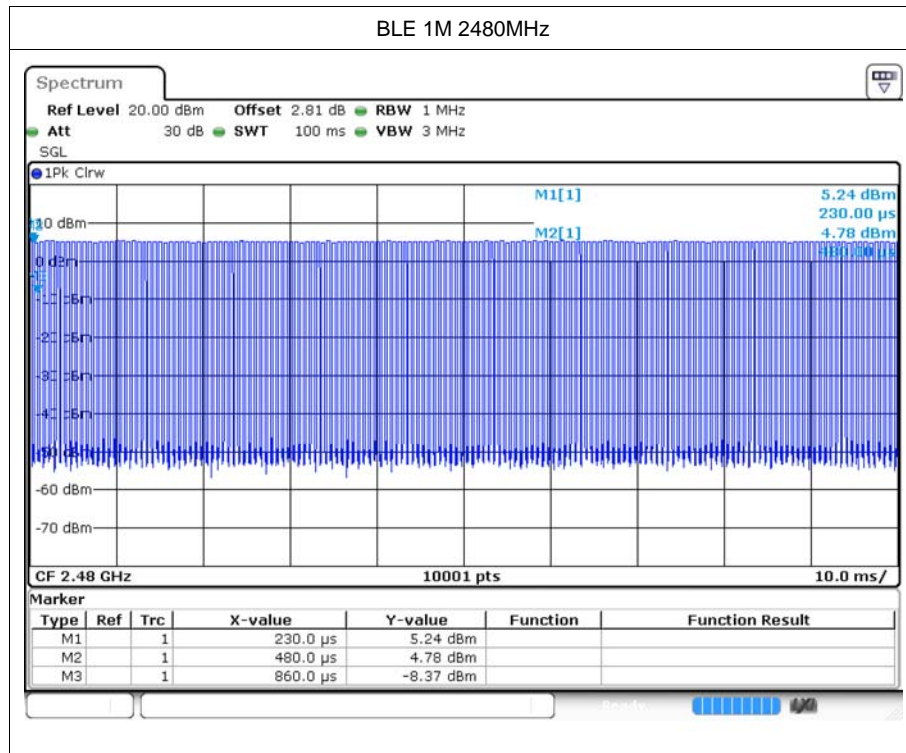
# 1 Duty Cycle

## 1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	62.4	2.63
BLE 1M	2440	62.4	2.63
BLE 1M	2480	62.4	2.63

## 1.2 Test Graphs





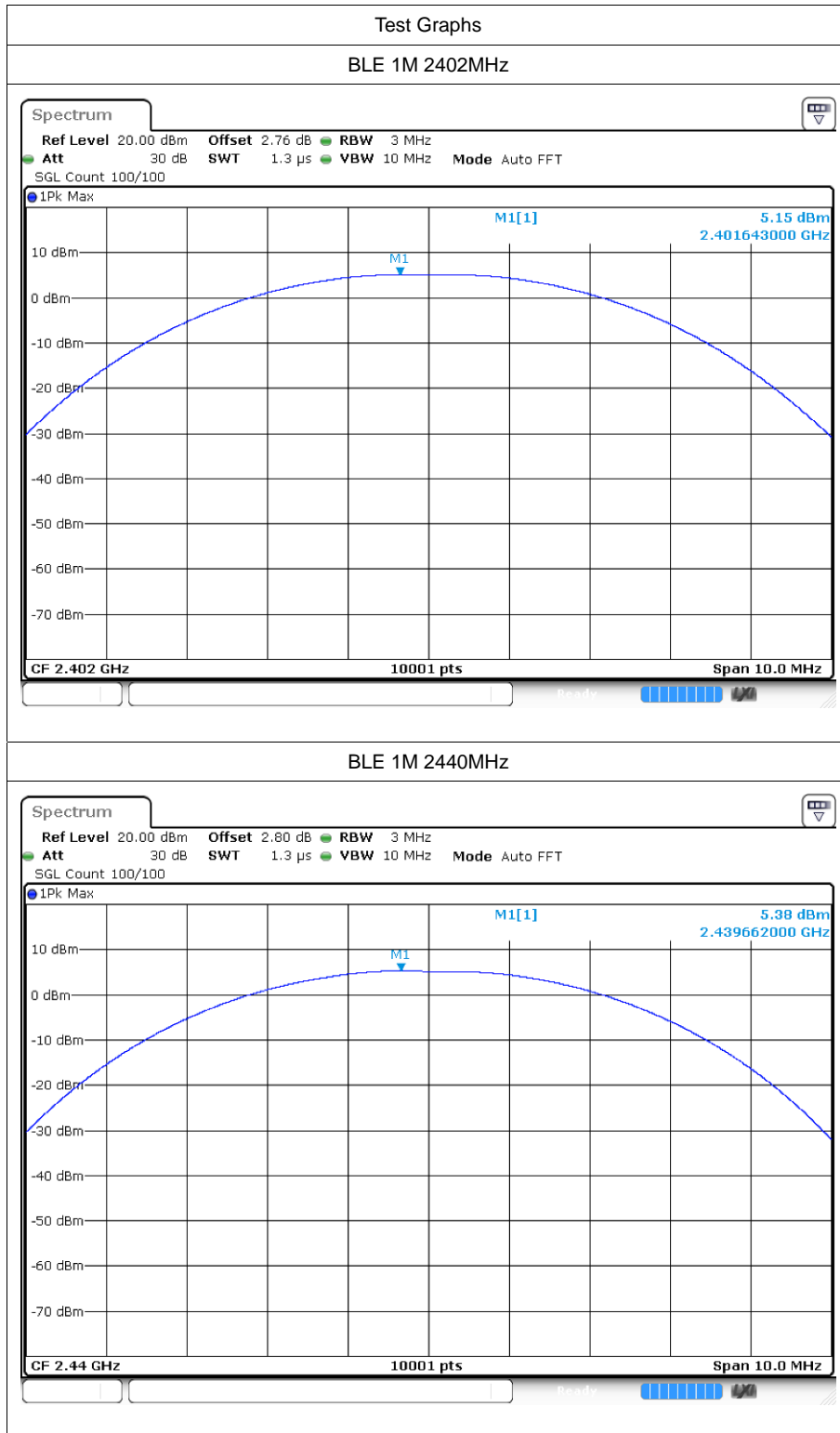


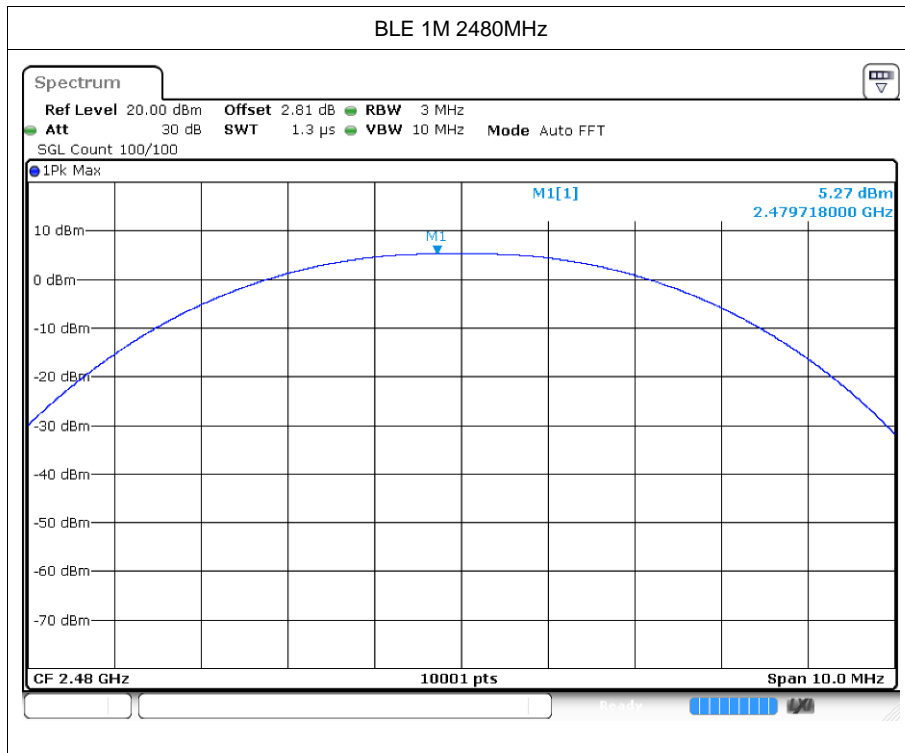
## 2 Maximum Conducted Output Power

### 2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	5.15	30	Pass
BLE 1M	2440	5.38	30	Pass
BLE 1M	2480	5.27	30	Pass

## 2.2 Test Graphs







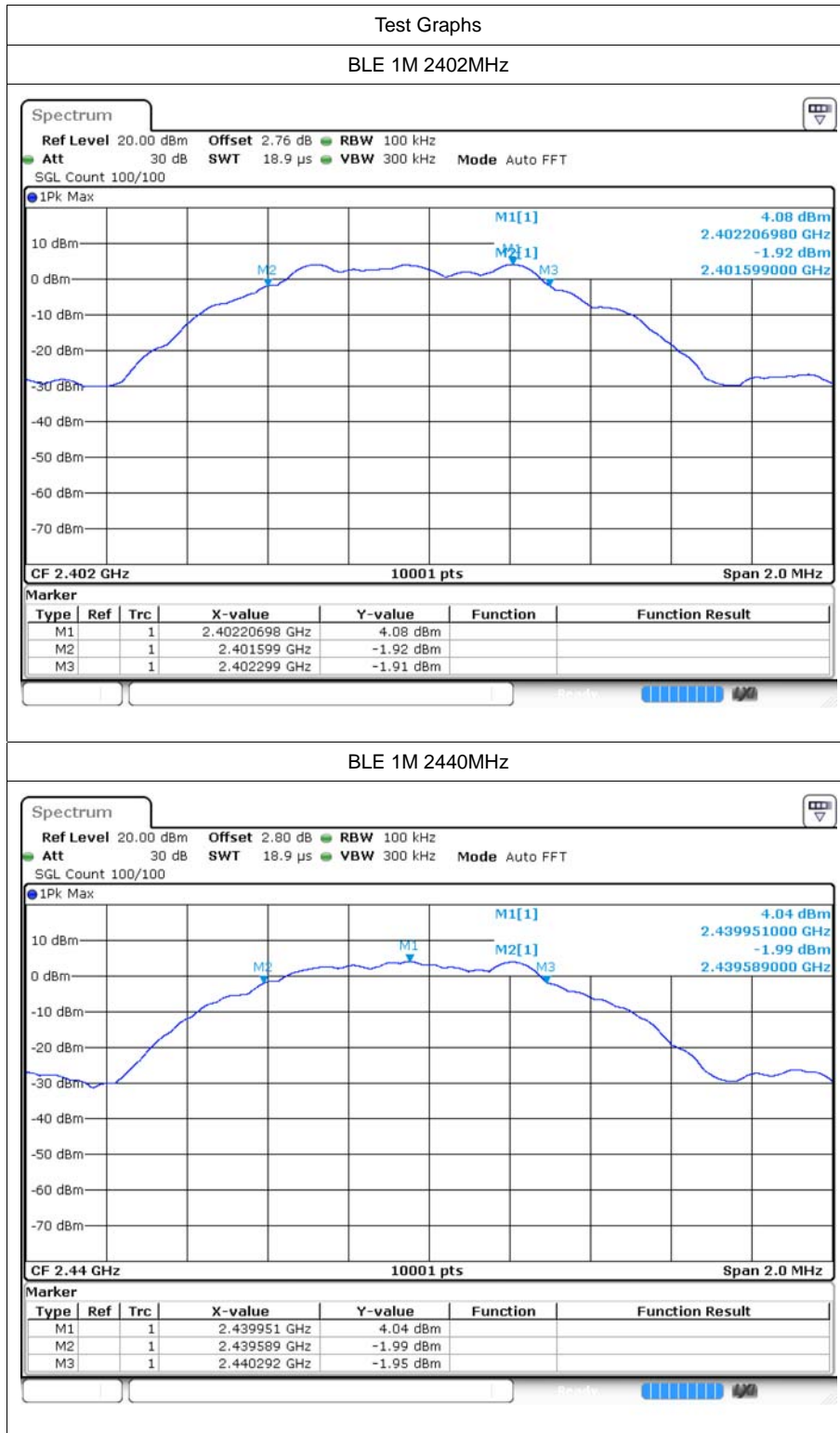


### 3 -6dB Bandwidth

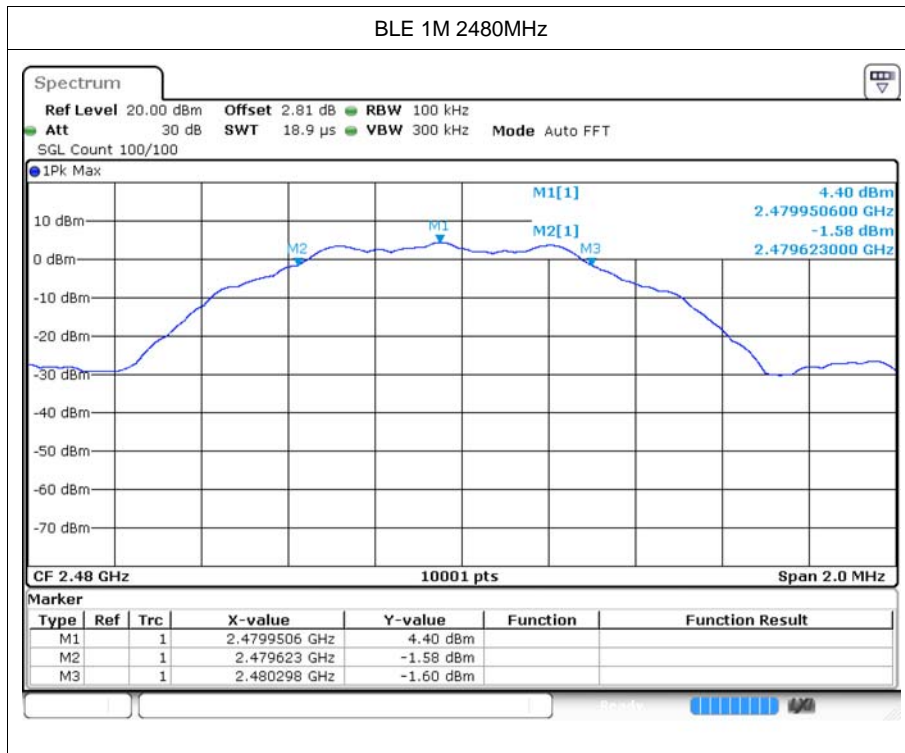
#### 3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.7	0.5	Pass
BLE 1M	2440	0.703	0.5	Pass
BLE 1M	2480	0.675	0.5	Pass

### 3.2 Test Graphs



BLE 1M 2440MHz



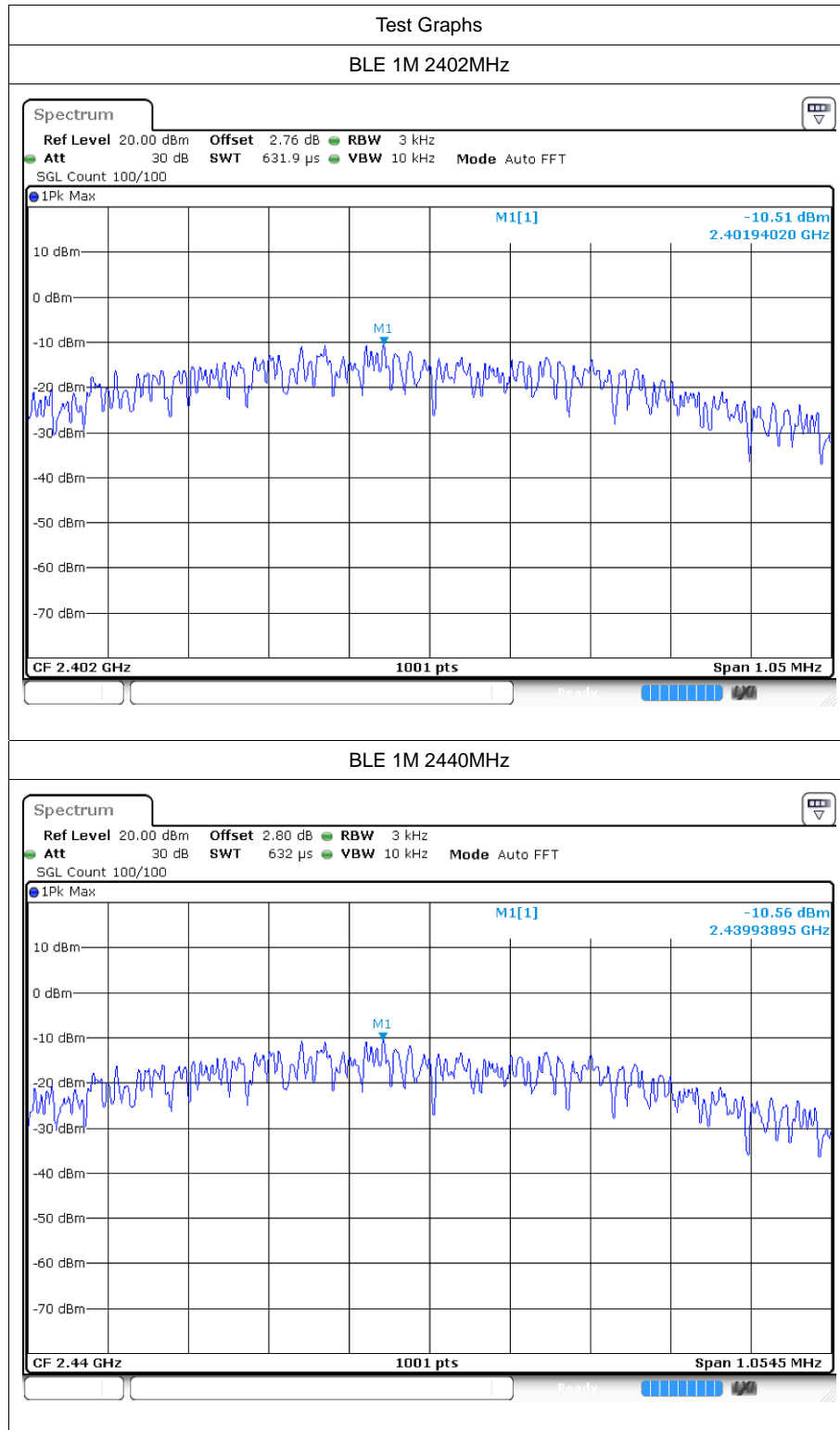
## 4 Maximum Power Spectral Density Level

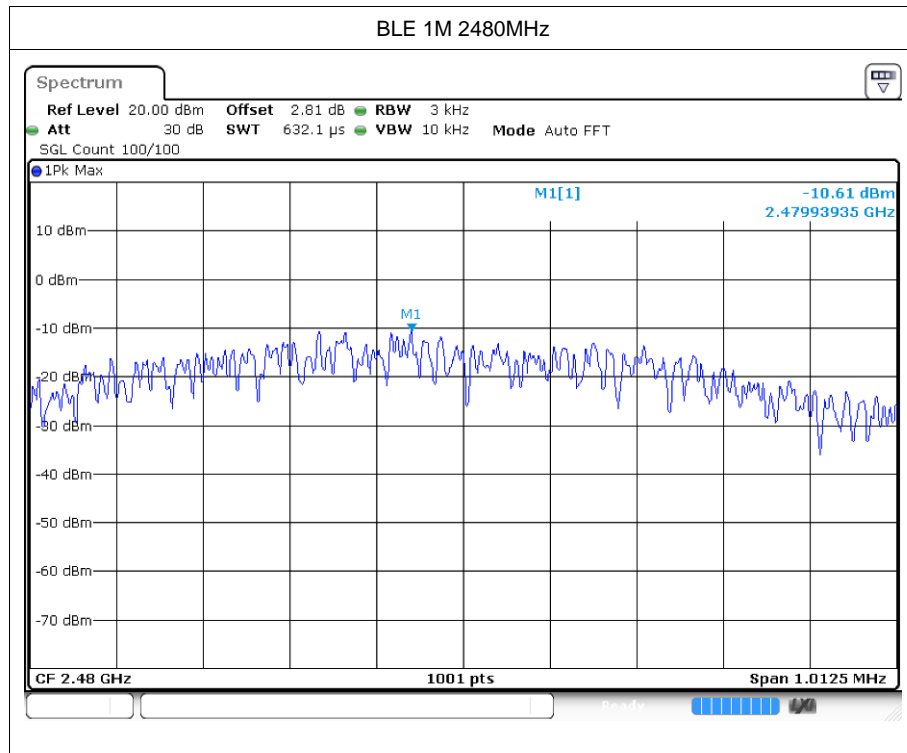
### 4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-10.51	≤8	Pass
BLE 1M	2440	-10.56	≤8	Pass
BLE 1M	2480	-10.61	≤8	Pass



## 4.2 Test Graphs





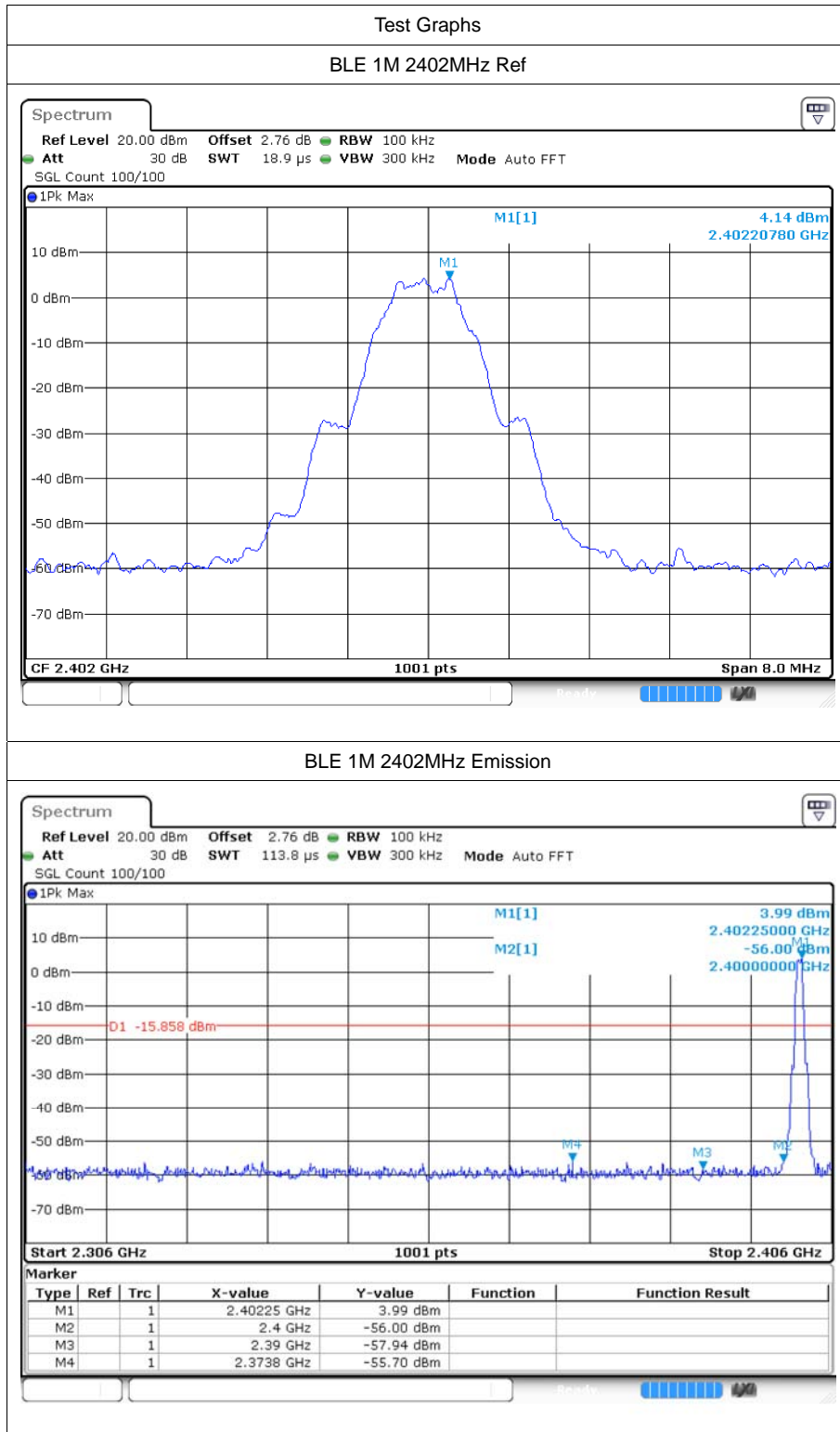


## 5 Band Edge

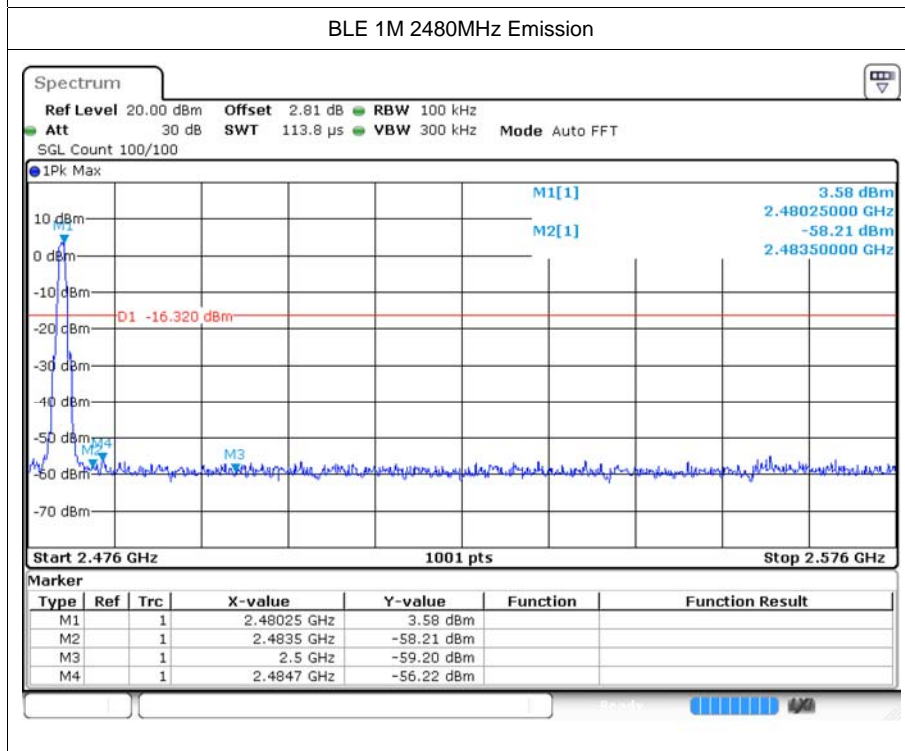
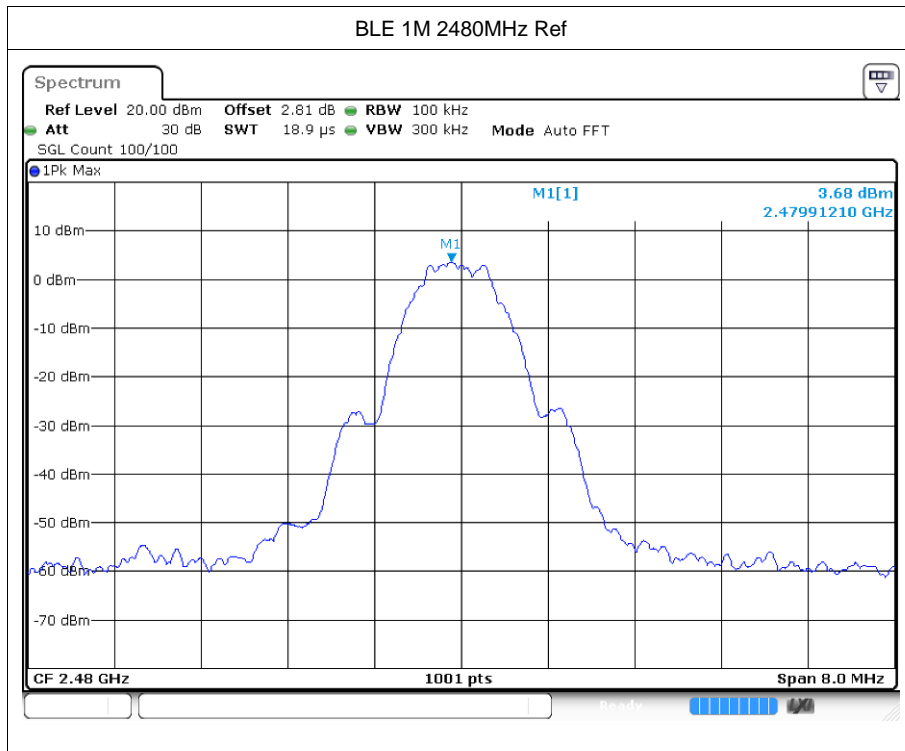
### 5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-59.83	-20	Pass
BLE 1M	2480	-59.9	-20	Pass

## 5.2 Test Graphs









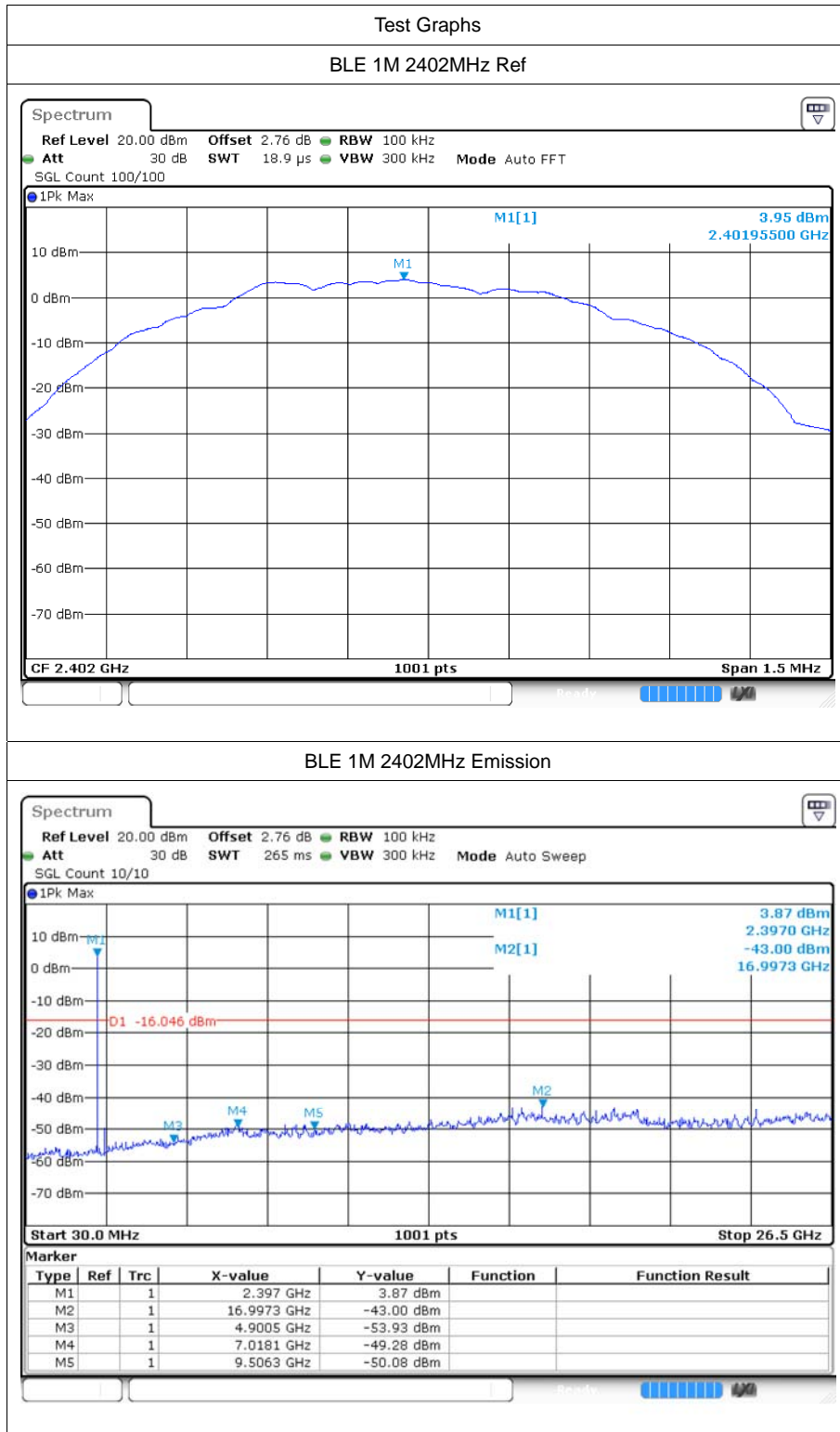
## 6 Conducted RF Spurious Emission

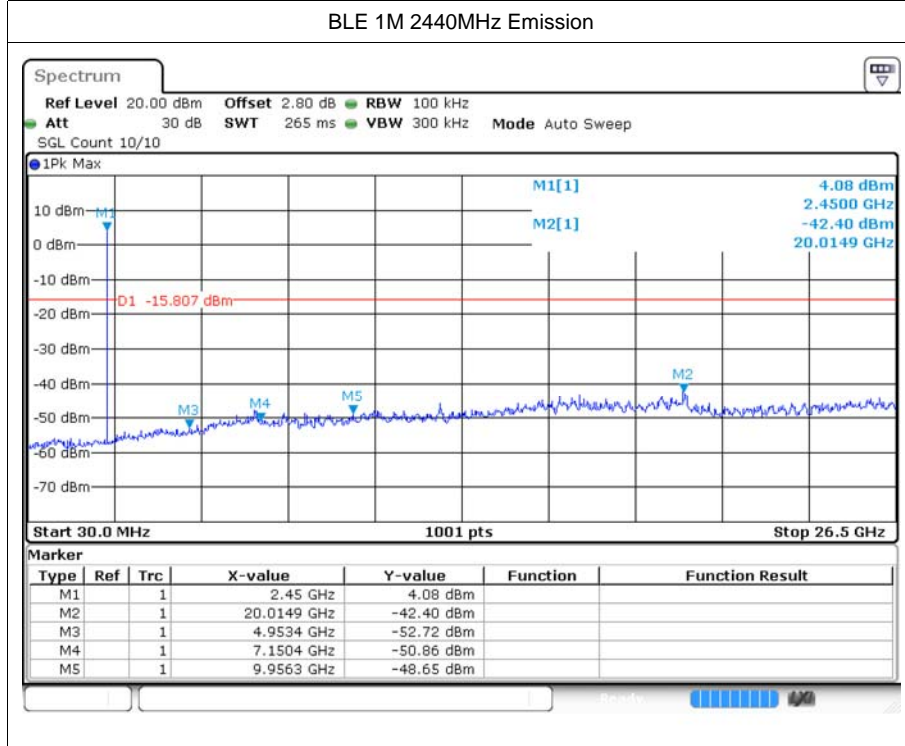
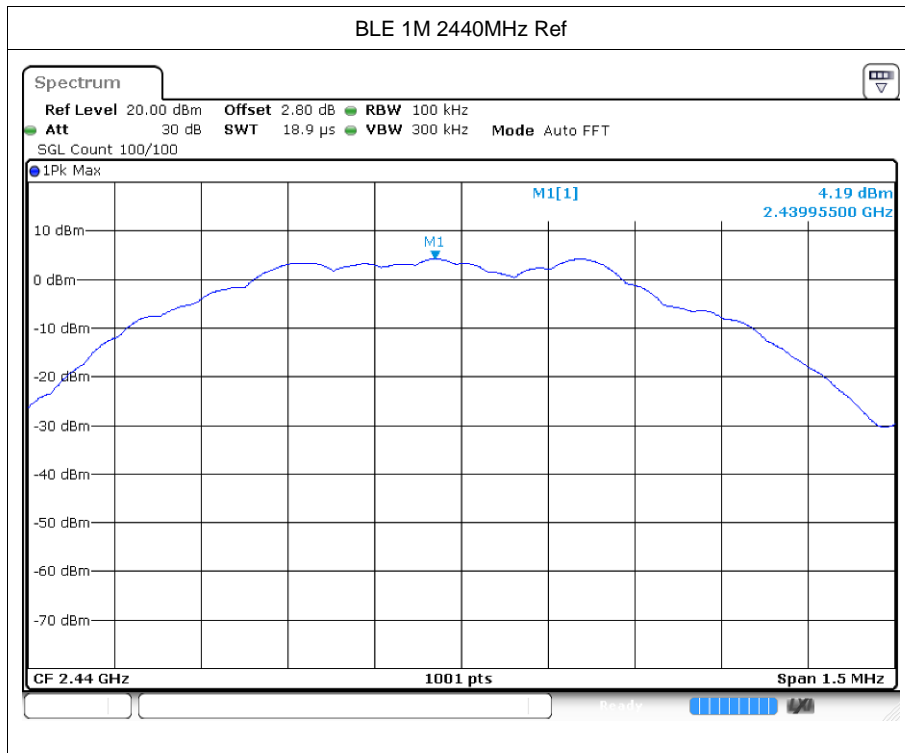
### 6.1 Test Result

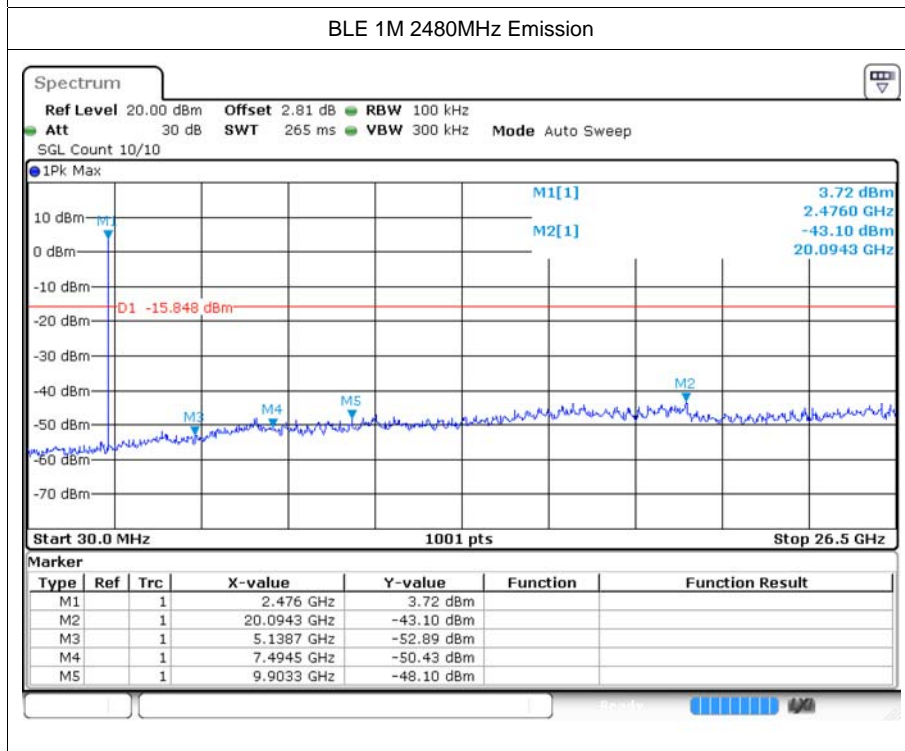
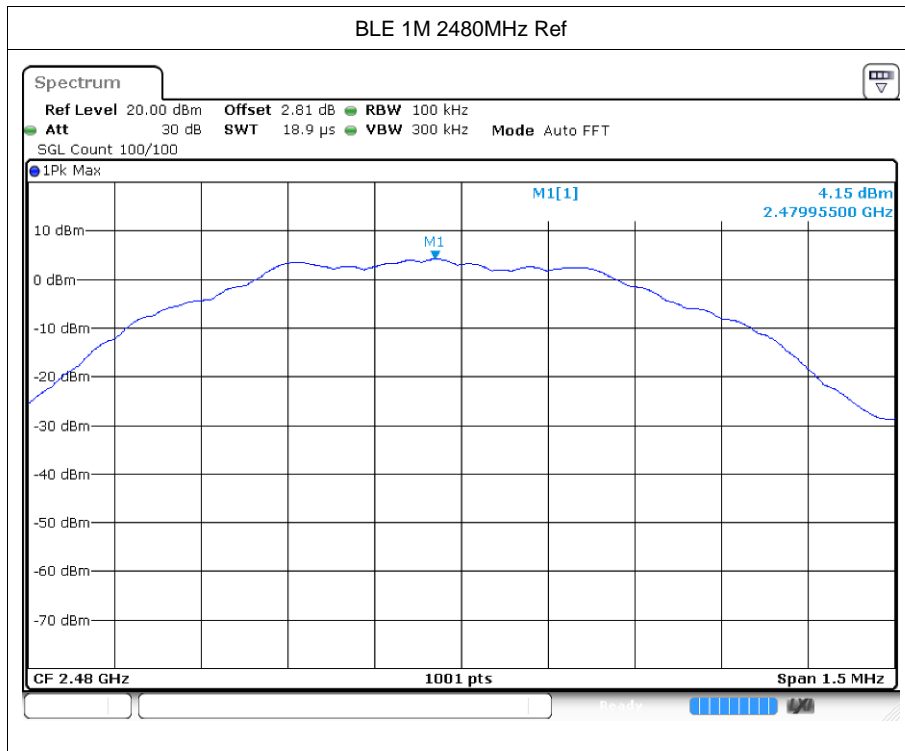
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-46.94	-20	Pass
BLE 1M	2440	-46.58	-20	Pass
BLE 1M	2480	-47.24	-20	Pass



## 6.2 Test Graphs







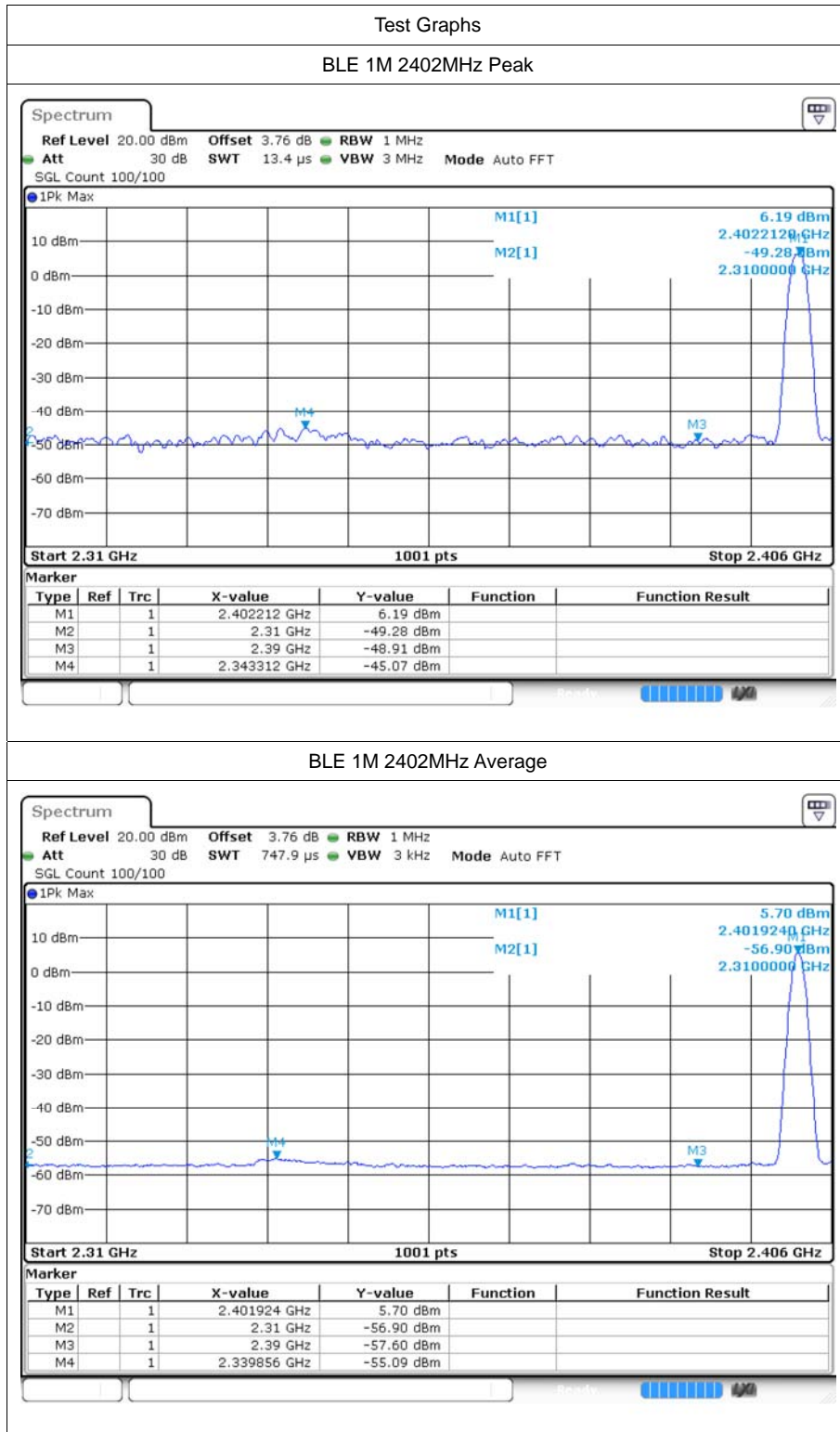


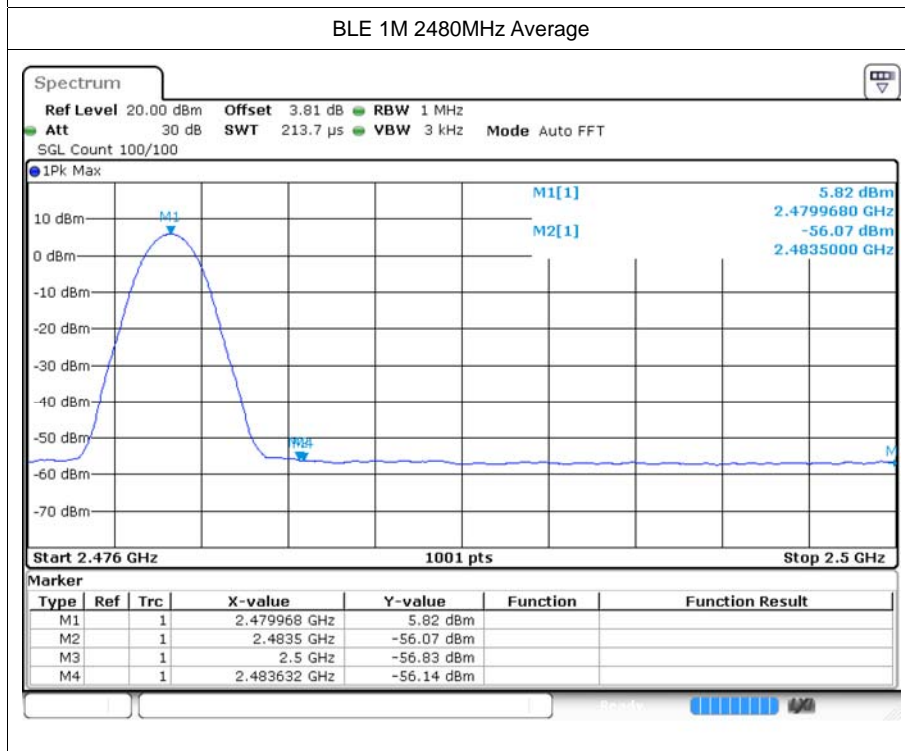
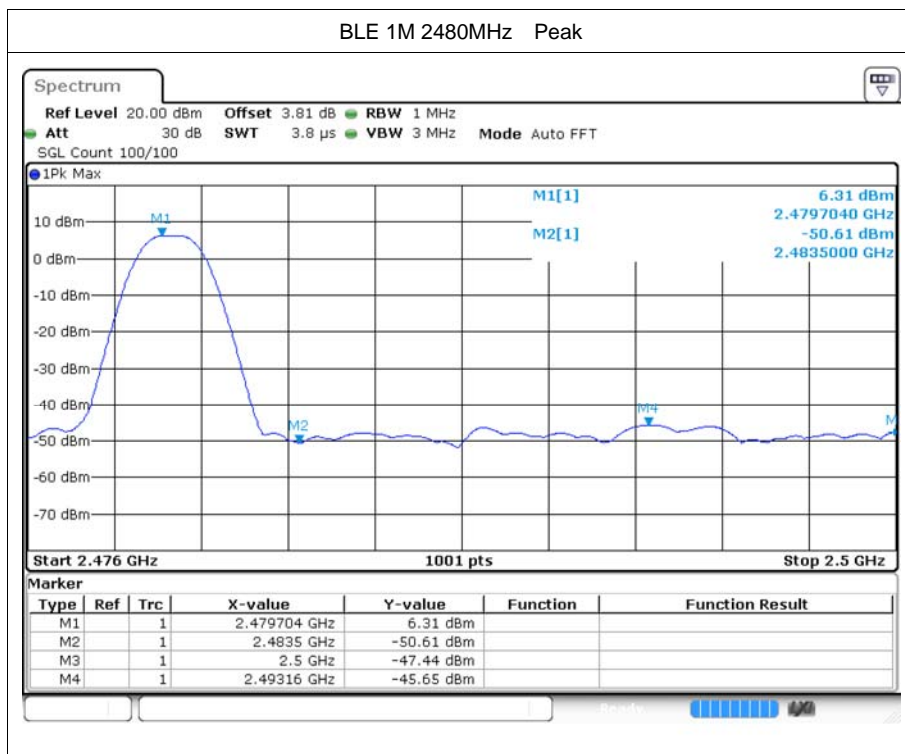
## 7 Restrict Band

### 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	-49.28	2	47.98	Peak	74	Pass
BLE 1M	2402	2310	-56.89	2	40.37	Average	54	Pass
BLE 1M	2402	2343.312	-45.07	2	52.19	Peak	74	Pass
BLE 1M	2402	2339.856	-55.08	2	42.18	Average	54	Pass
BLE 1M	2402	2390	-48.91	2	48.35	Peak	74	Pass
BLE 1M	2402	2390	-57.6	2	39.66	Average	54	Pass
BLE 1M	2480	2483.5	-50.66	2	46.6	Peak	74	Pass
BLE 1M	2480	2483.5	-56.15	2	41.11	Average	54	Pass
BLE 1M	2480	2493.16	-45.64	2	51.62	Peak	74	Pass
BLE 1M	2480	2483.632	-56.13	2	41.13	Average	54	Pass
BLE 1M	2480	2500	-47.44	2	49.82	Peak	74	Pass
BLE 1M	2480	2500	-56.83	2	40.43	Average	54	Pass

## 7.2 Test Graphs





---The End---