



## Appendix B

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

Product Name: MP3 player

Trade Mark: N/A

Test Model: S1

#### Environmental Conditions

Temperature:	26.2° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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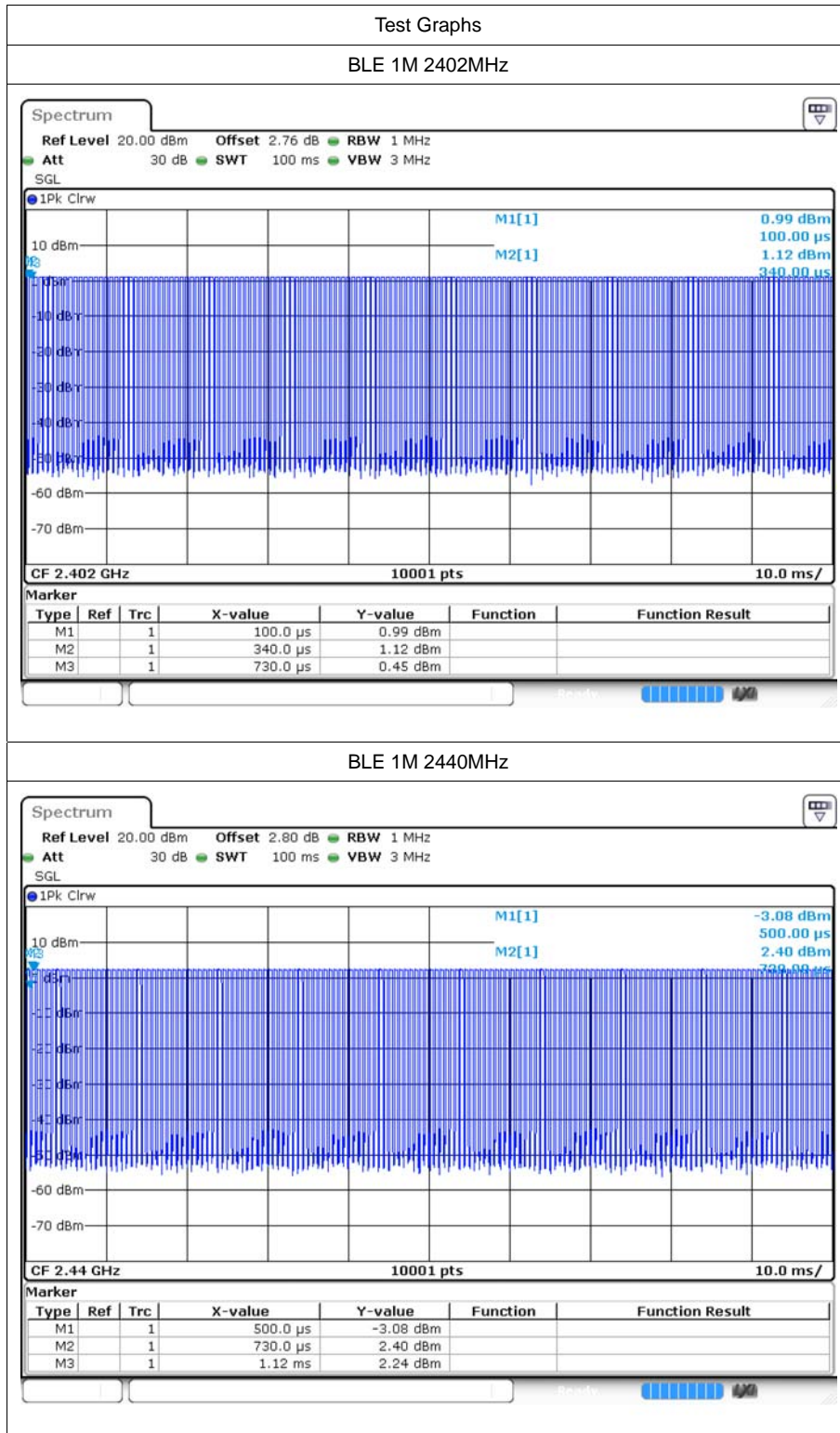
# 1 Duty Cycle

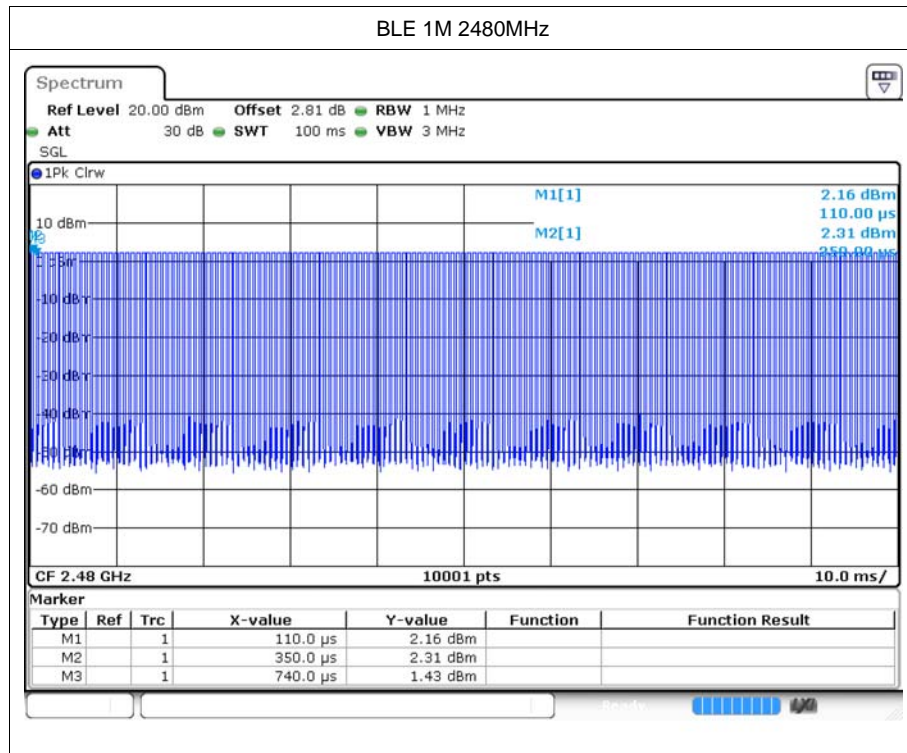
## 1.1 Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	1/T (kHz)
BLE 1M	2402	64	2.56
BLE 1M	2440	64.59	2.56
BLE 1M	2480	64	2.56



## 1.2 Test Graphs





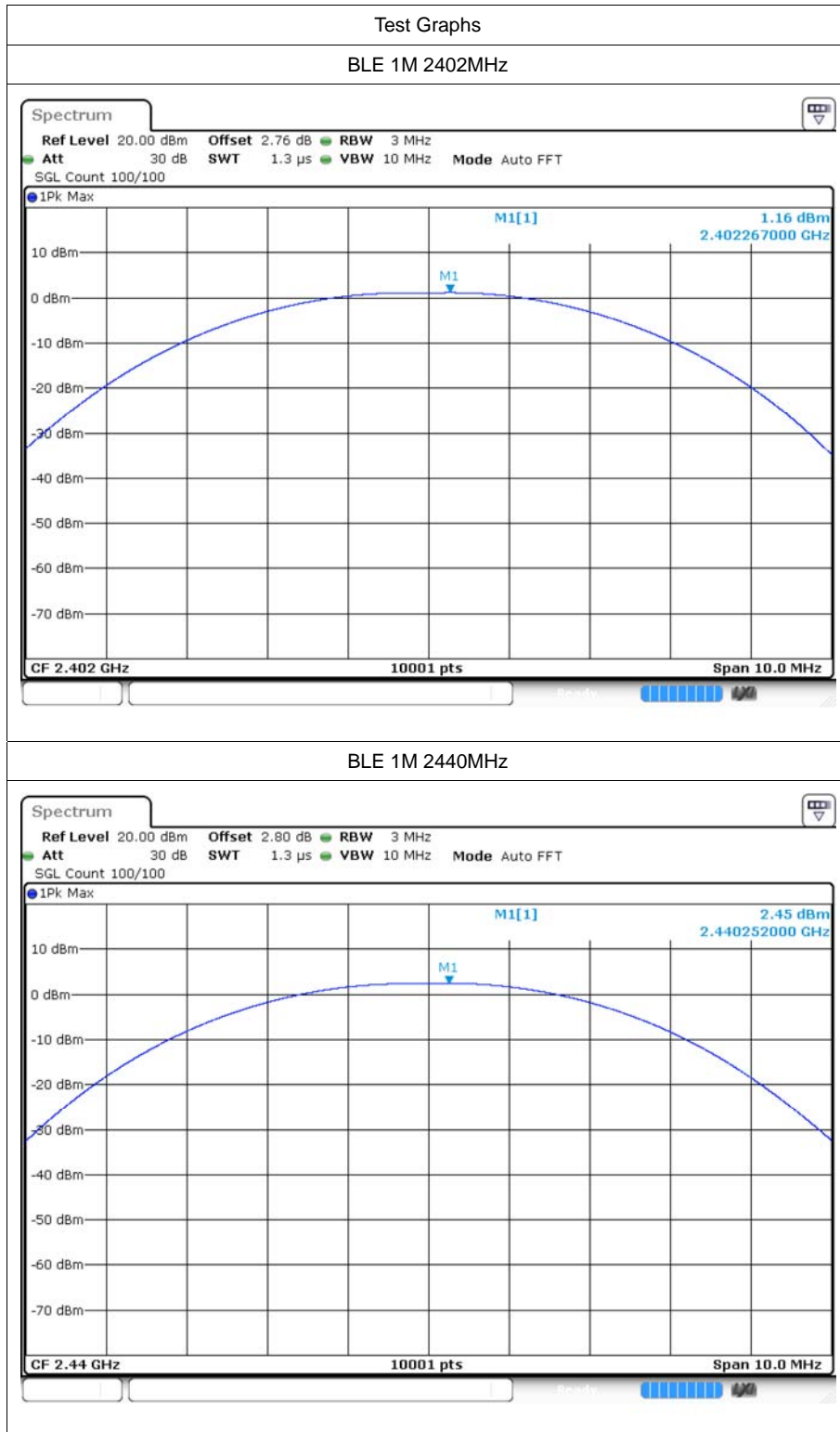


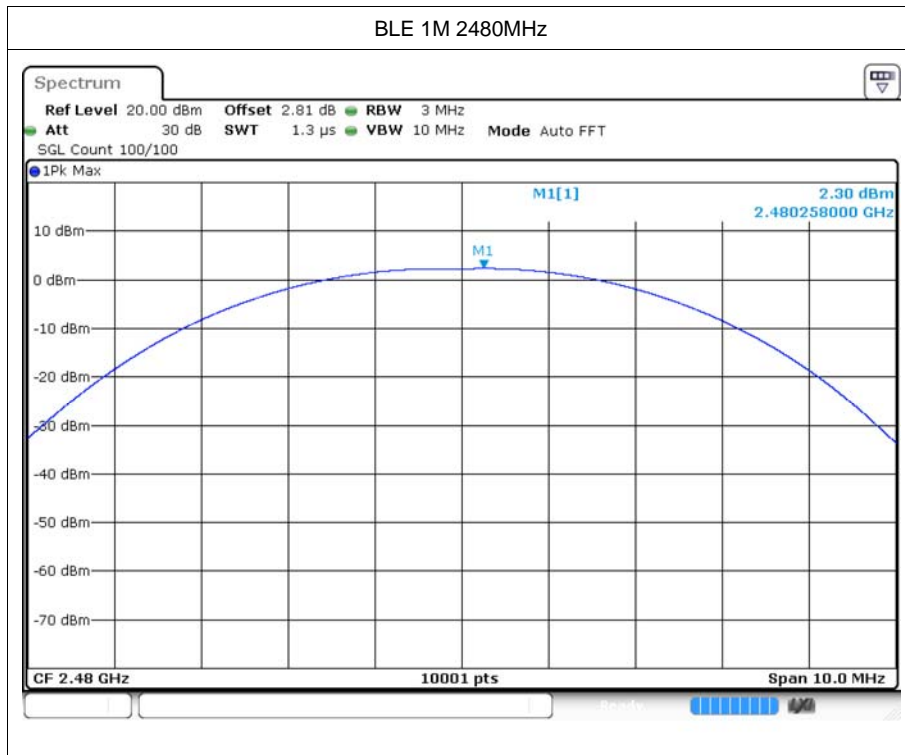
## 2 Maximum Conducted Output Power

### 2.1 Test Result

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	1.16	30	Pass
BLE 1M	2440	2.45	30	Pass
BLE 1M	2480	2.3	30	Pass

## 2.2 Test Graphs







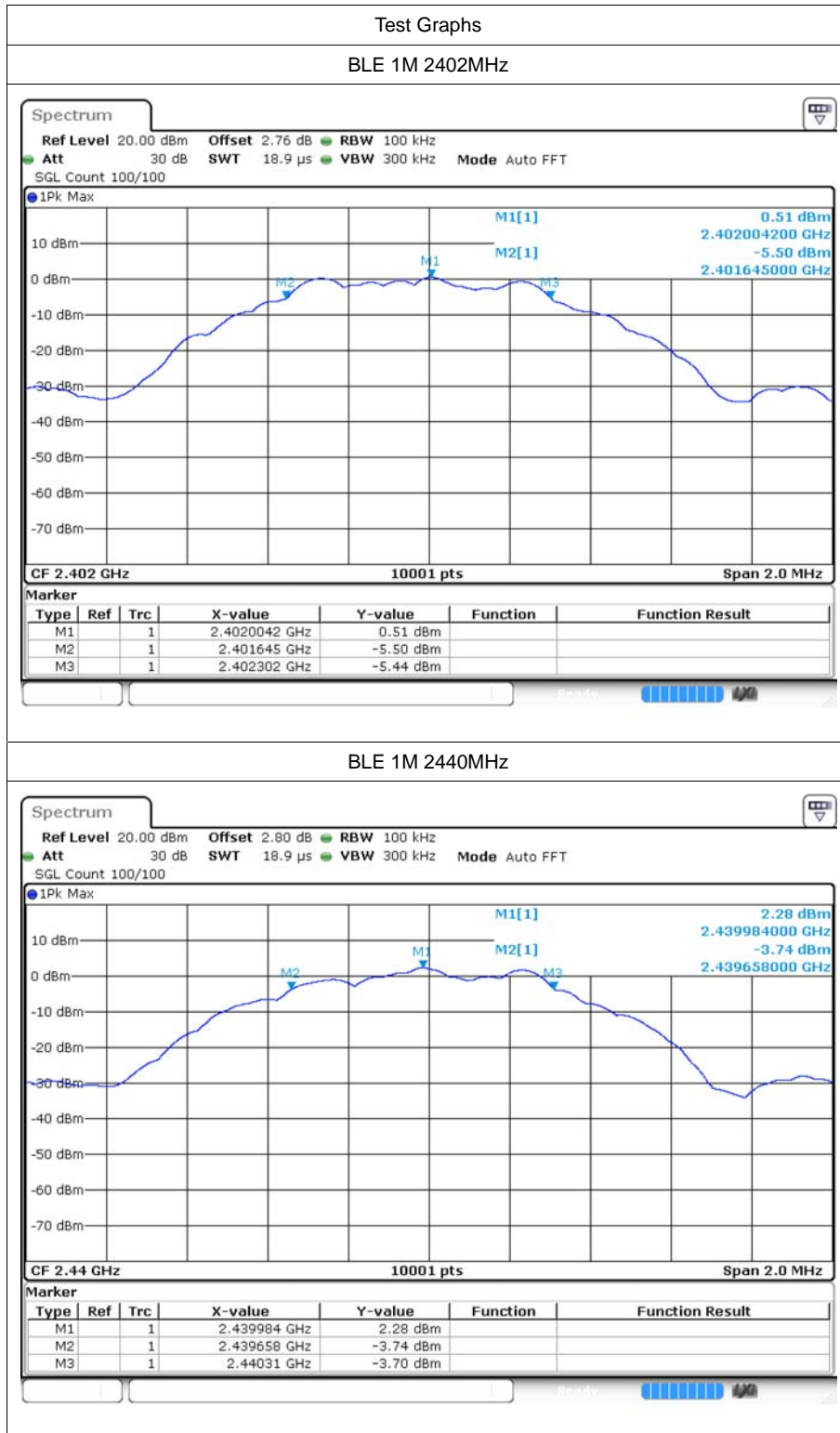


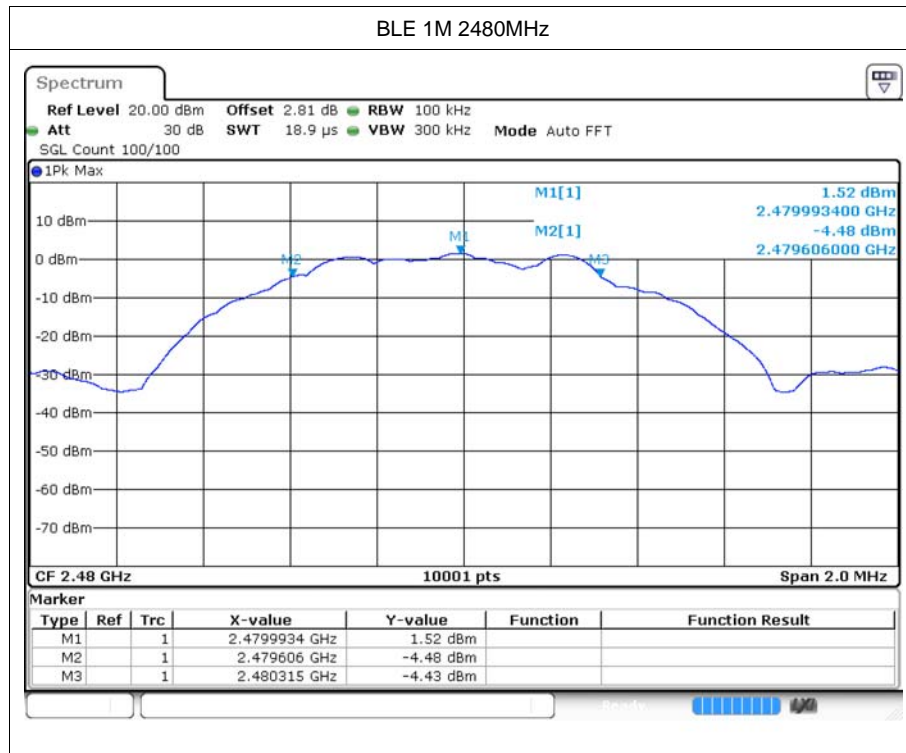
### 3 -6dB Bandwidth

#### 3.1 Test Result

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.657	0.5	Pass
BLE 1M	2440	0.652	0.5	Pass
BLE 1M	2480	0.709	0.5	Pass

### 3.2 Test Graphs





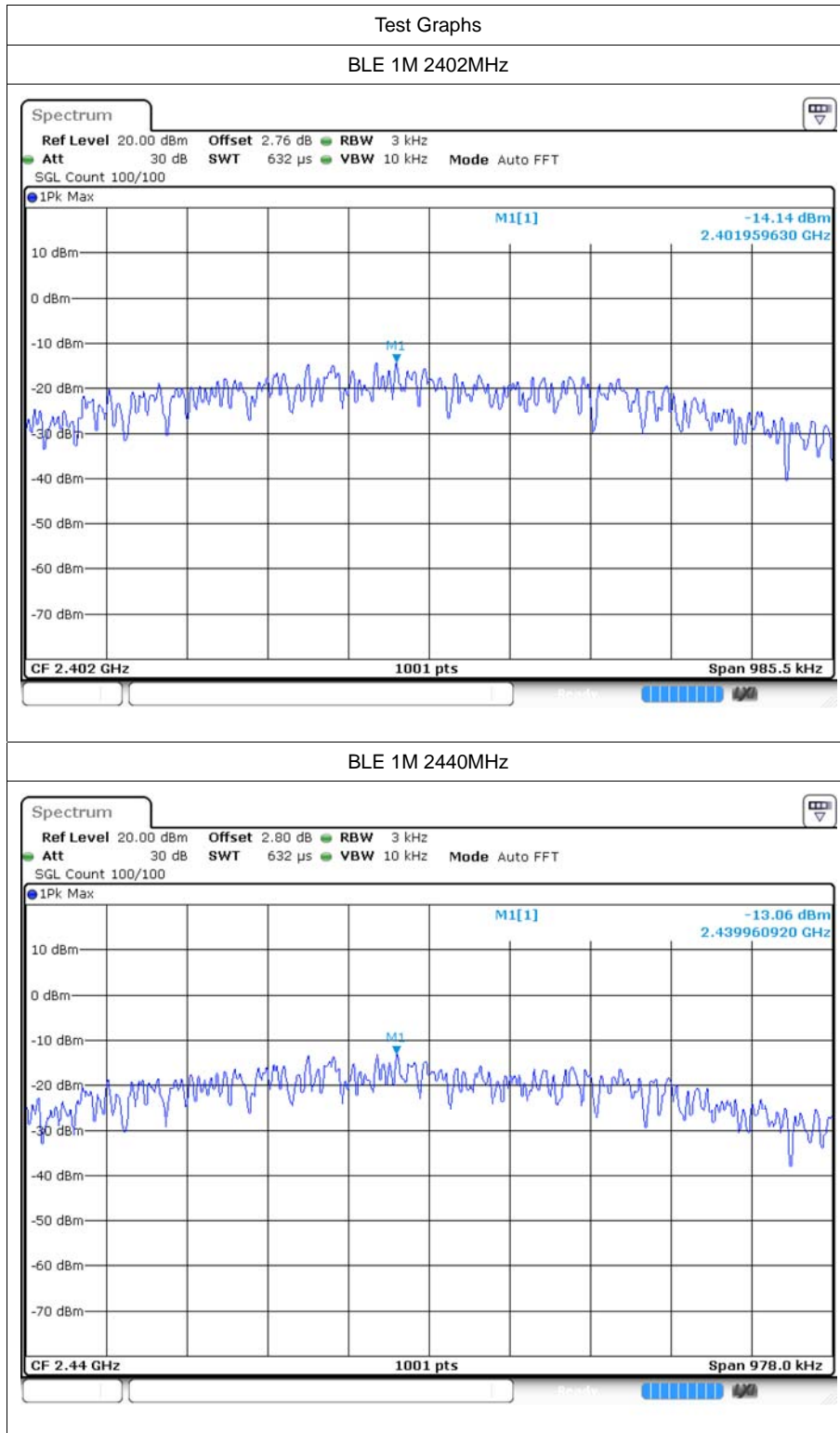


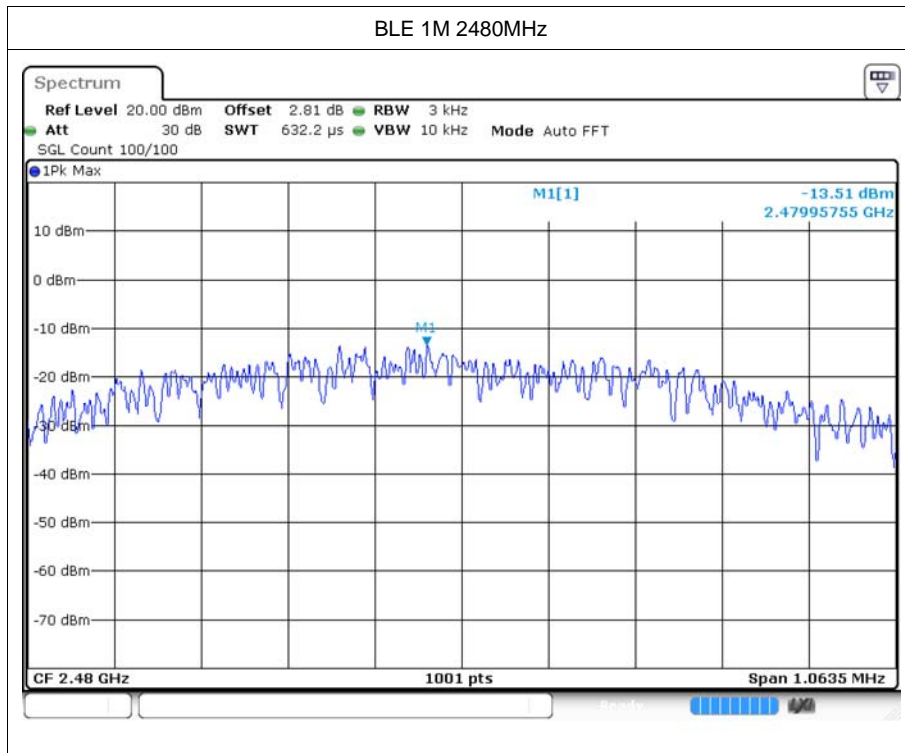
## 4 Maximum Power Spectral Density Level

### 4.1 Test Result

Mode	Frequency (MHz)	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-14.14	≤8	Pass
BLE 1M	2440	-13.06	≤8	Pass
BLE 1M	2480	-13.51	≤8	Pass

## 4.2 Test Graphs





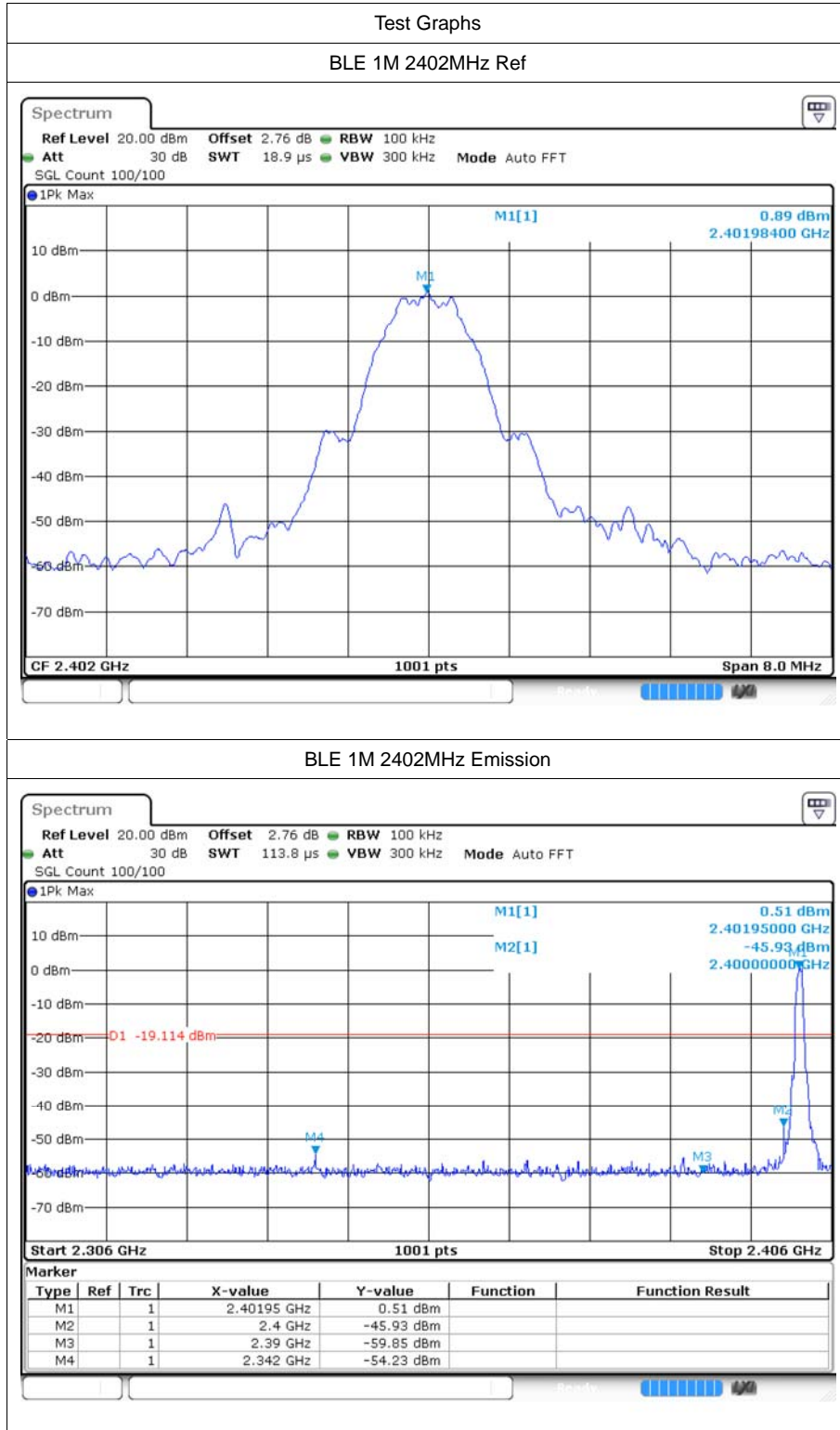


## 5 Band Edge

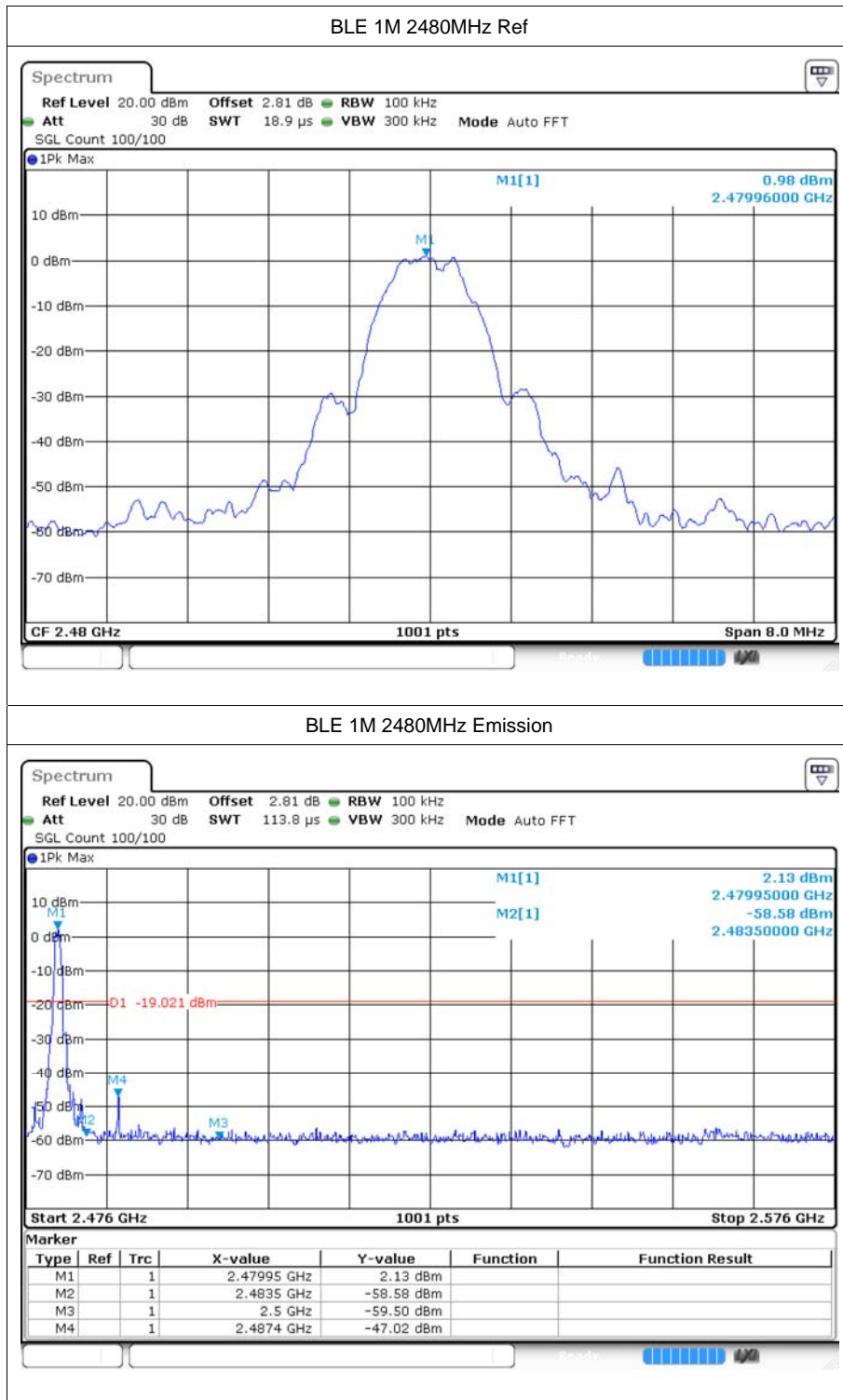
### 5.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-55.12	-20	Pass
BLE 1M	2480	-48	-20	Pass

## 5.2 Test Graphs







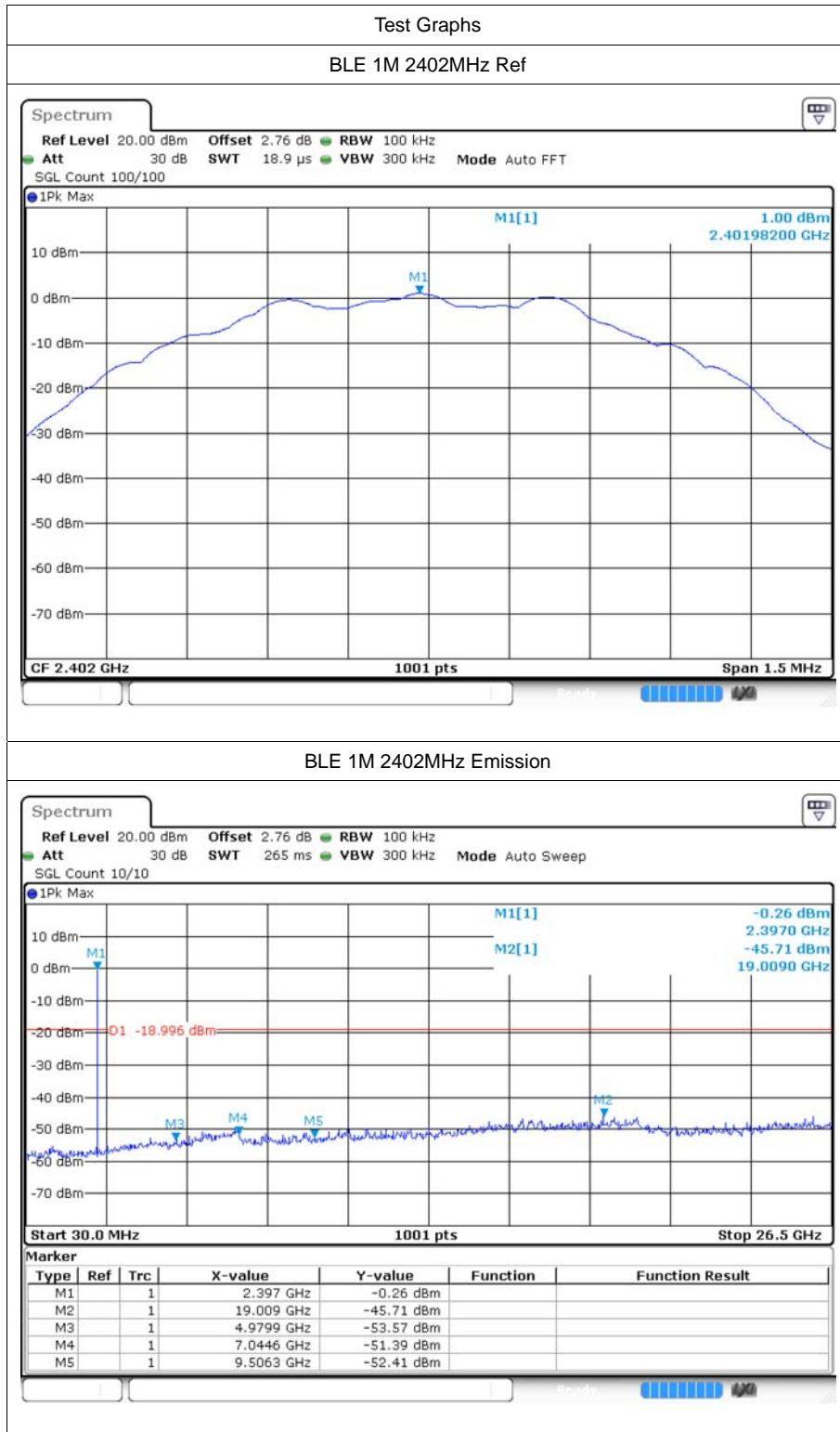


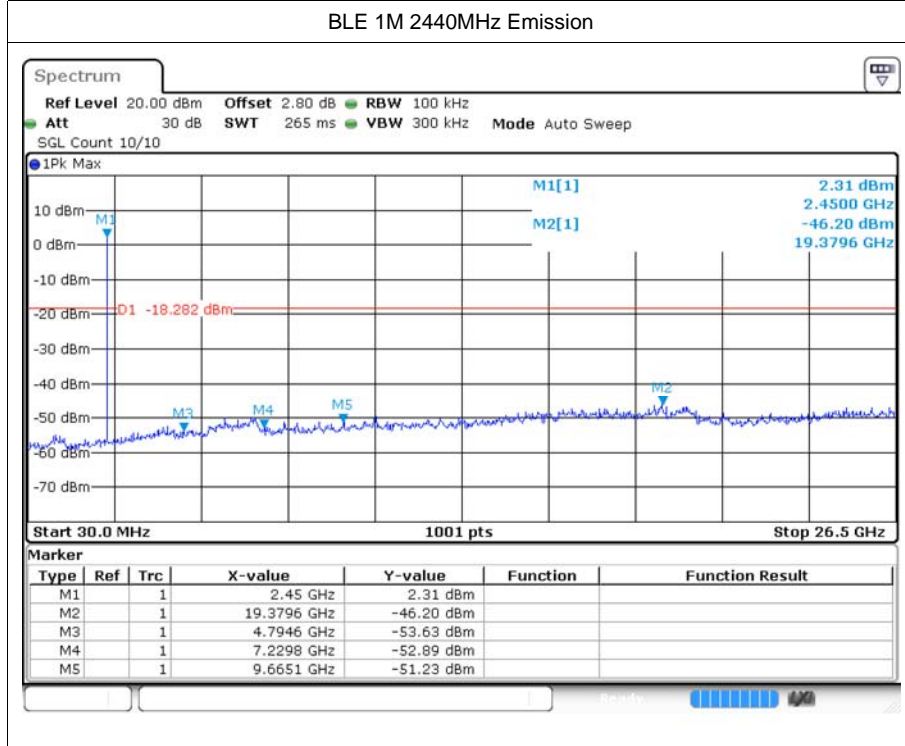
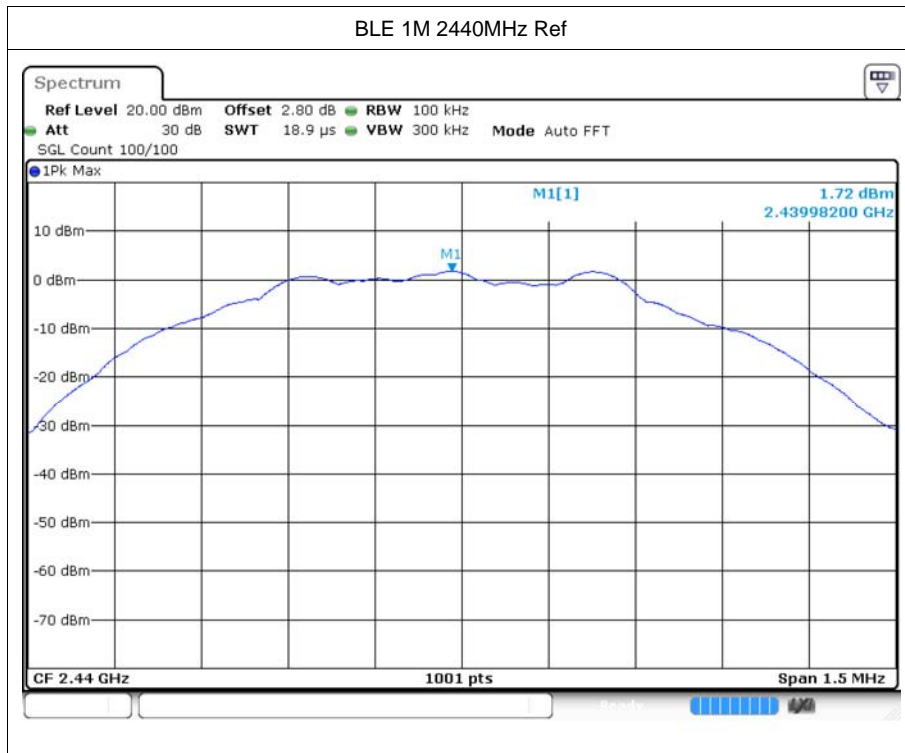
## 6 Conducted RF Spurious Emission

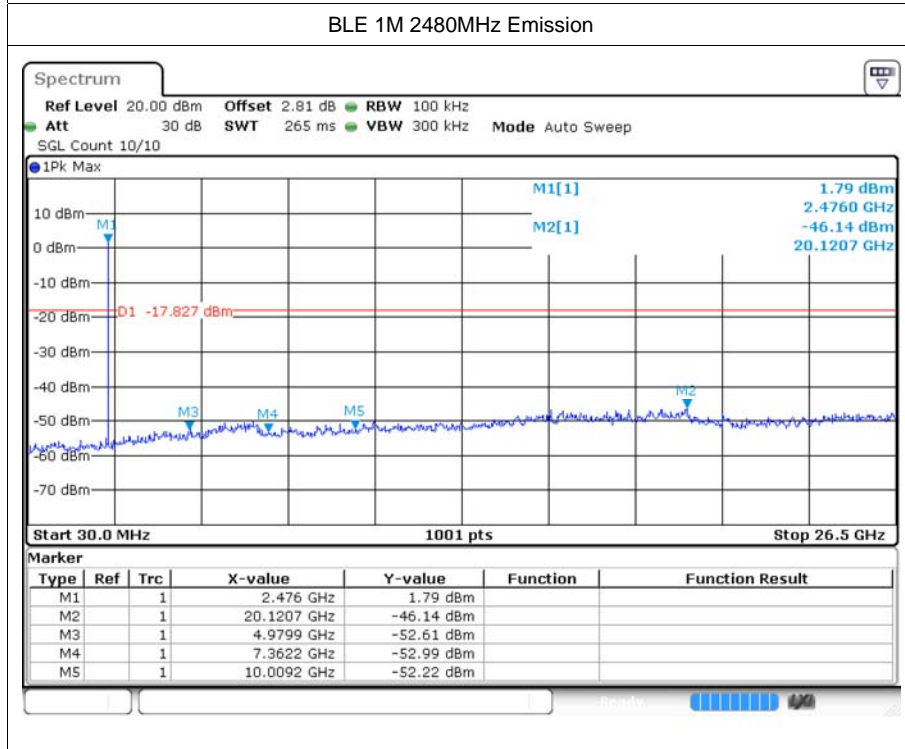
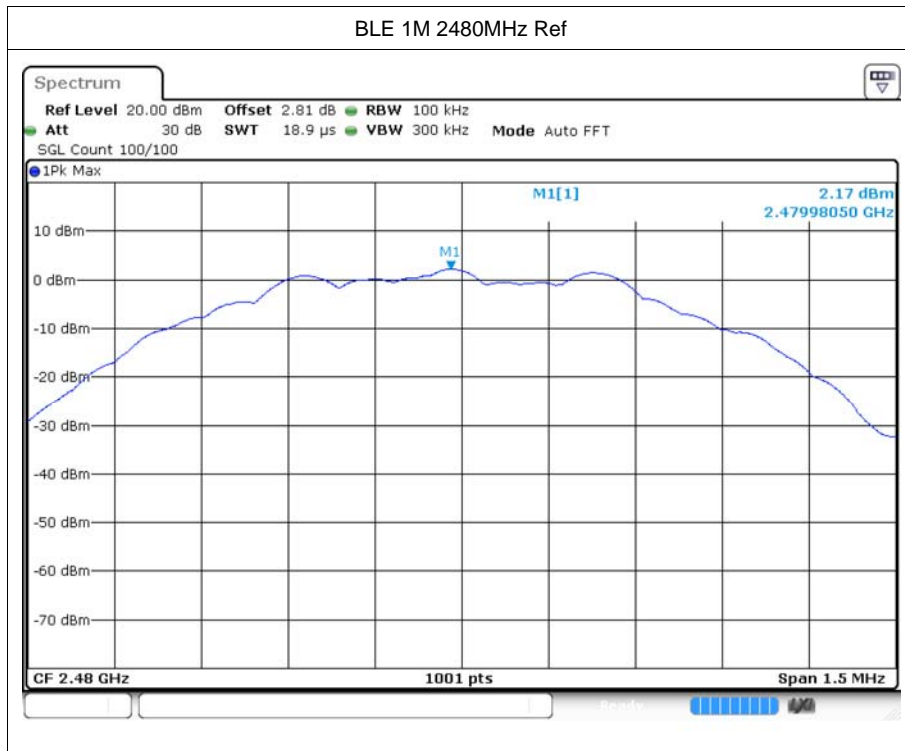
### 6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-46.71	-20	Pass
BLE 1M	2440	-47.92	-20	Pass
BLE 1M	2480	-48.3	-20	Pass

## 6.2 Test Graphs







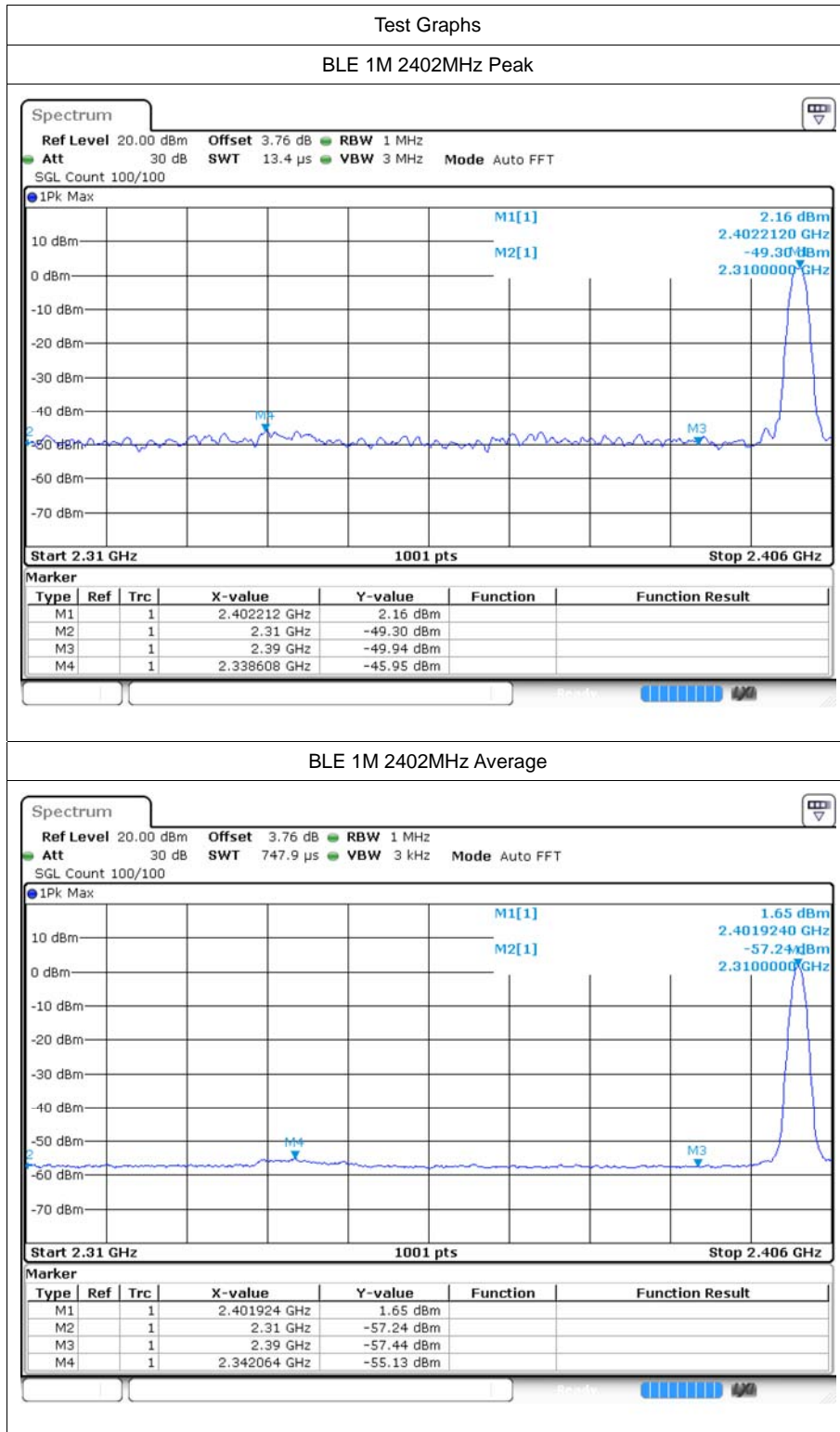


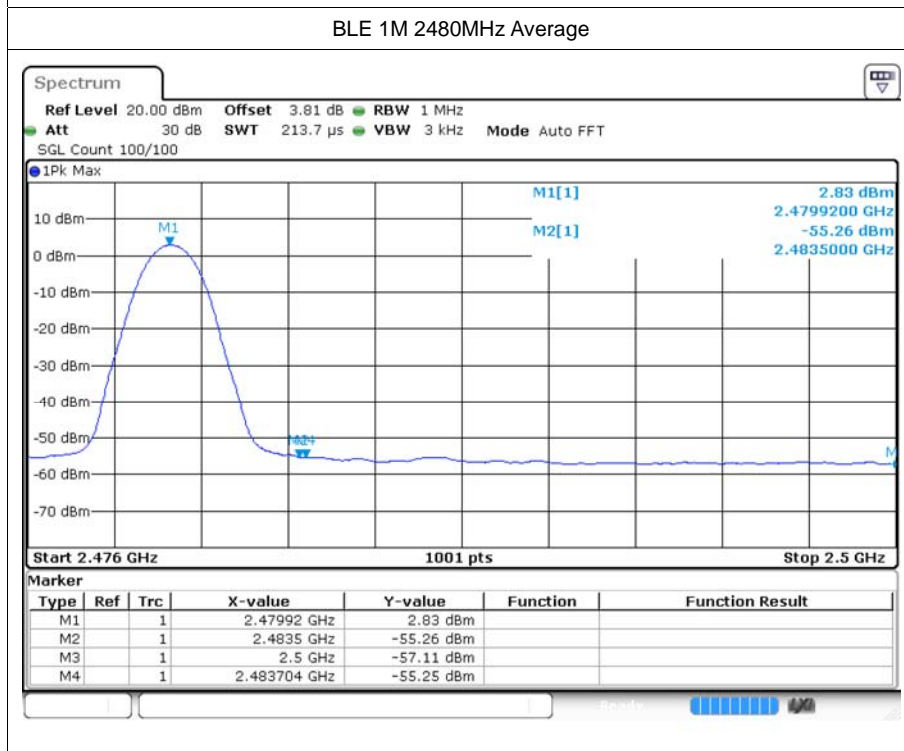
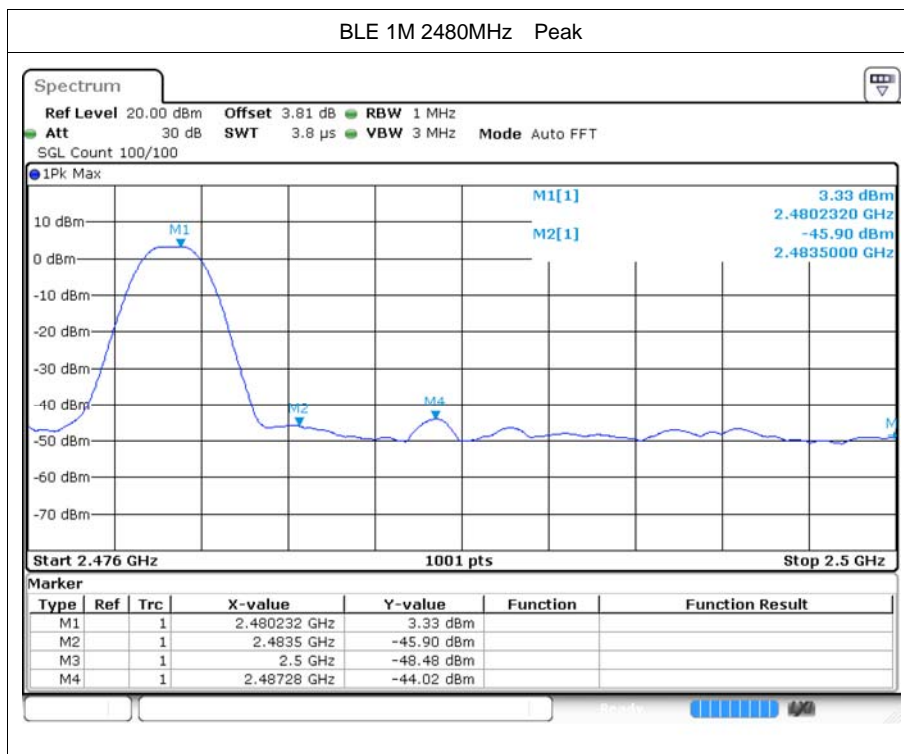
## 7 Restrict Band

### 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	-49.29	2	47.97	Peak	74	Pass
BLE 1M	2402	2310	-57.23	2	40.03	Average	54	Pass
BLE 1M	2402	2338.608	-45.94	2	51.32	Peak	74	Pass
BLE 1M	2402	2342.064	-55.13	2	42.13	Average	54	Pass
BLE 1M	2402	2390	-49.93	2	47.33	Peak	74	Pass
BLE 1M	2402	2390	-57.44	2	39.82	Average	54	Pass
BLE 1M	2480	2483.5	-45.96	2	51.3	Peak	74	Pass
BLE 1M	2480	2483.5	-55.31	2	41.95	Average	54	Pass
BLE 1M	2480	2487.28	-44.02	2	53.24	Peak	74	Pass
BLE 1M	2480	2483.704	-55.24	2	42.02	Average	54	Pass
BLE 1M	2480	2500	-48.47	2	48.79	Peak	74	Pass
BLE 1M	2480	2500	-57.11	2	40.15	Average	54	Pass

## 7.2 Test Graphs





---The End---