



## Appendix B

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

Product Name: Tablet PC

Trade Mark: COIN, TOUCH+

Test Model: 1200AS

#### Environmental Conditions

|                    |             |
|--------------------|-------------|
| Temperature:       | 24.2℃       |
| Relative Humidity: | 51.2%       |
| ATM Pressure:      | 100.0 kPa   |
| Test Engineer:     | Simba Huang |
| Supervised by:     | Seal Chen   |



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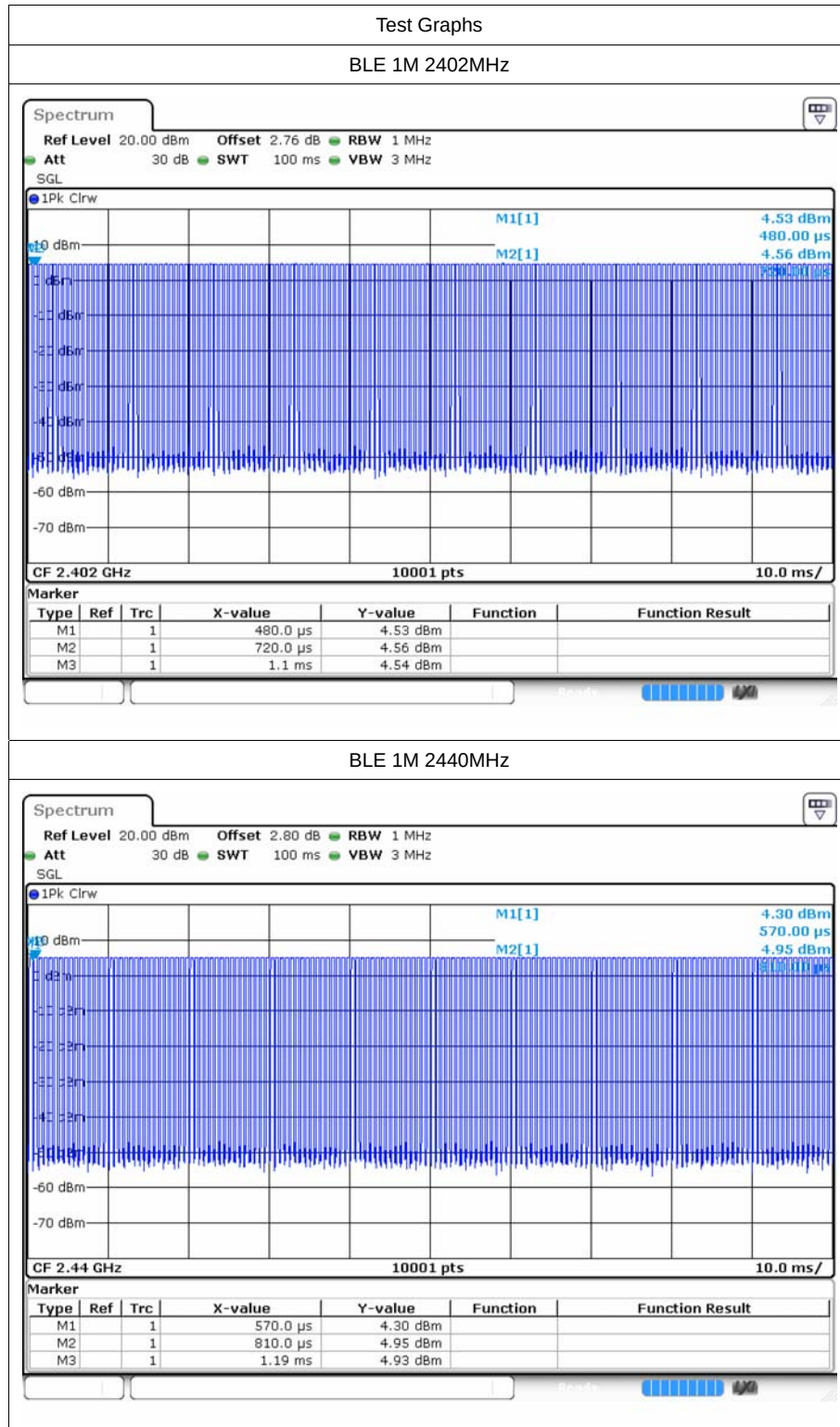


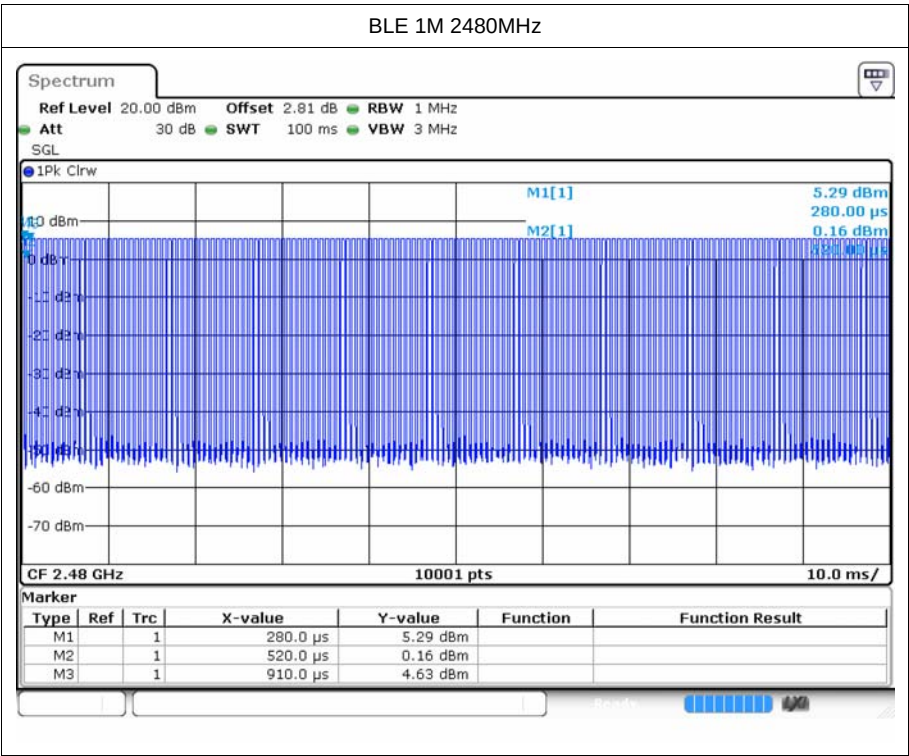
# 1 Duty Cycle

## 1.1 Test Result

| Mode   | Frequency (MHz) | Duty Cycle (%) | 1/T (kHz) |
|--------|-----------------|----------------|-----------|
| BLE 1M | 2402            | 62.39          | 2.63      |
| BLE 1M | 2440            | 63.19          | 2.63      |
| BLE 1M | 2480            | 63.2           | 2.56      |

## 1.2 Test Graphs





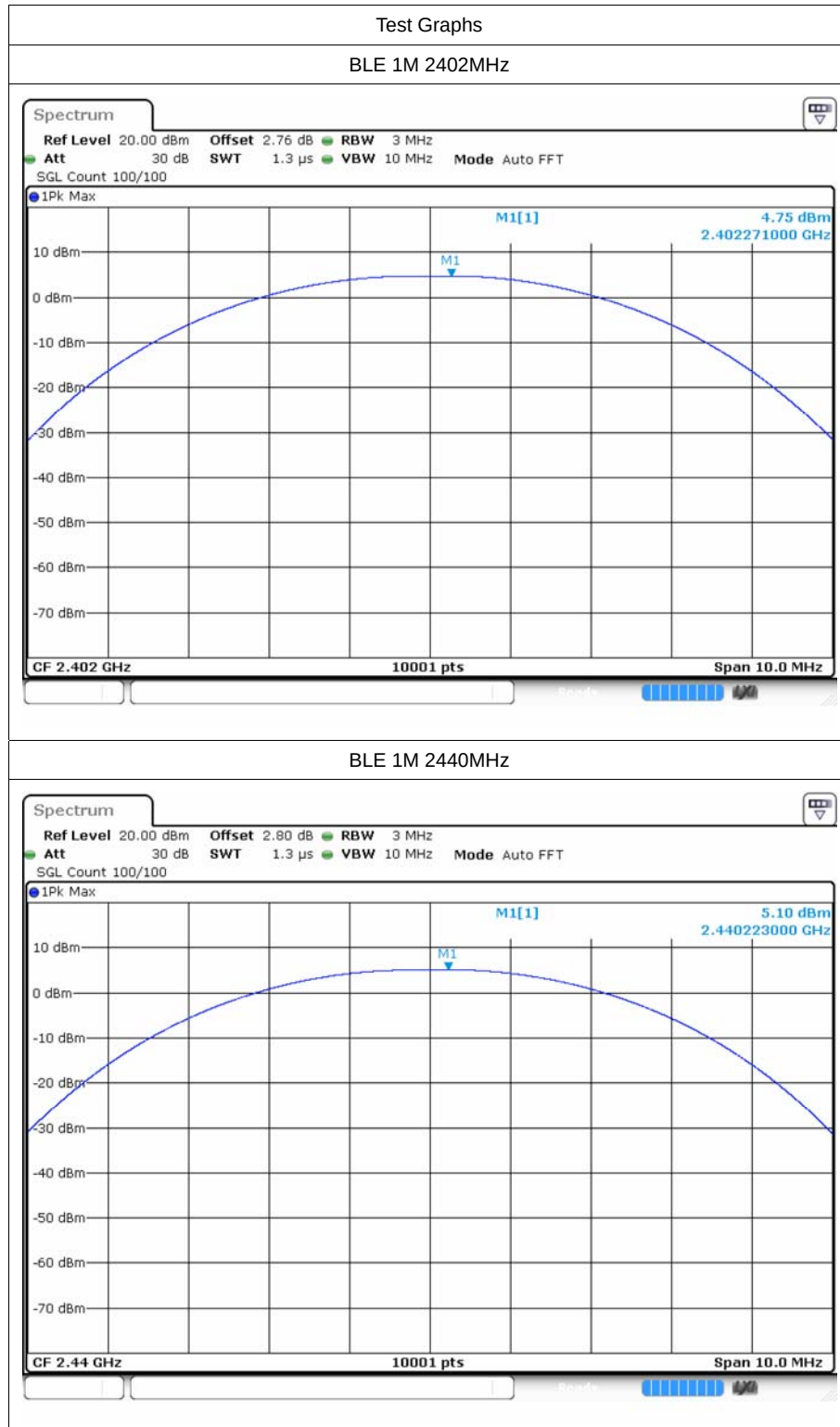


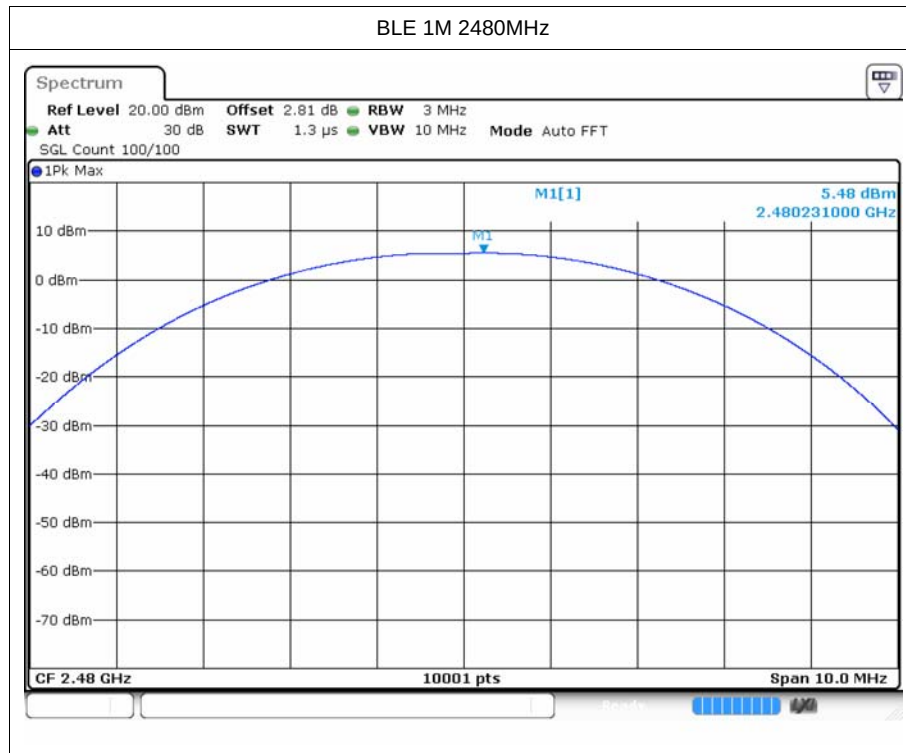
## 2 Maximum Conducted Output Power

### 2.1 Test Result

| Mode   | Frequency (MHz) | Conducted Power (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|-----------------------|-------------|---------|
| BLE 1M | 2402            | 4.75                  | 30          | Pass    |
| BLE 1M | 2440            | 5.1                   | 30          | Pass    |
| BLE 1M | 2480            | 5.48                  | 30          | Pass    |

## 2.2 Test Graphs





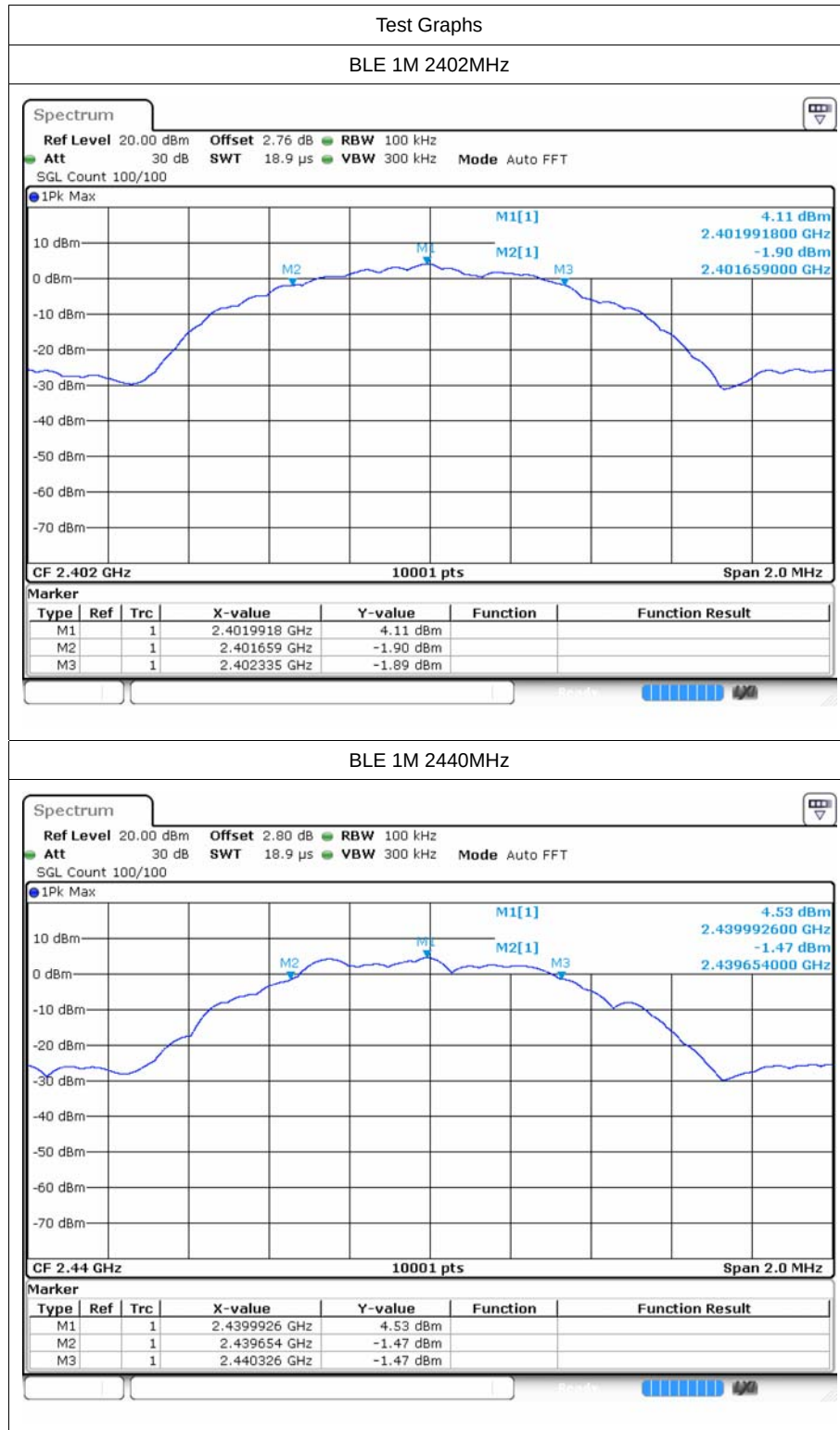


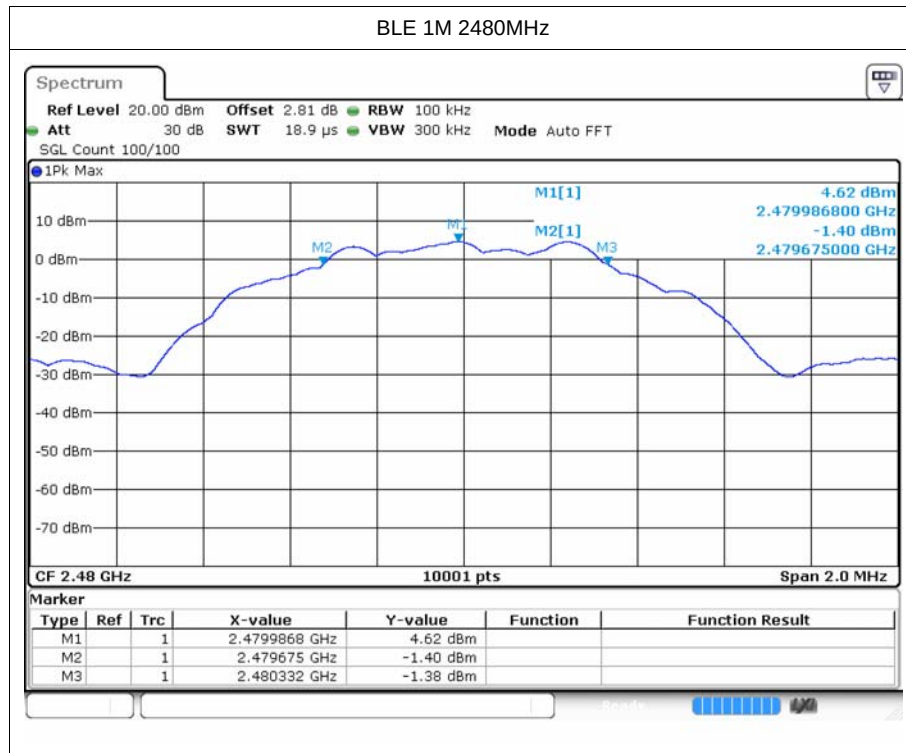
### 3 -6dB Bandwidth

#### 3.1 Test Result

| Mode   | Frequency (MHz) | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|--------|-----------------|-----------------------|-----------------------------|---------|
| BLE 1M | 2402            | 0.677                 | 0.5                         | Pass    |
| BLE 1M | 2440            | 0.672                 | 0.5                         | Pass    |
| BLE 1M | 2480            | 0.657                 | 0.5                         | Pass    |

## 3.2 Test Graphs





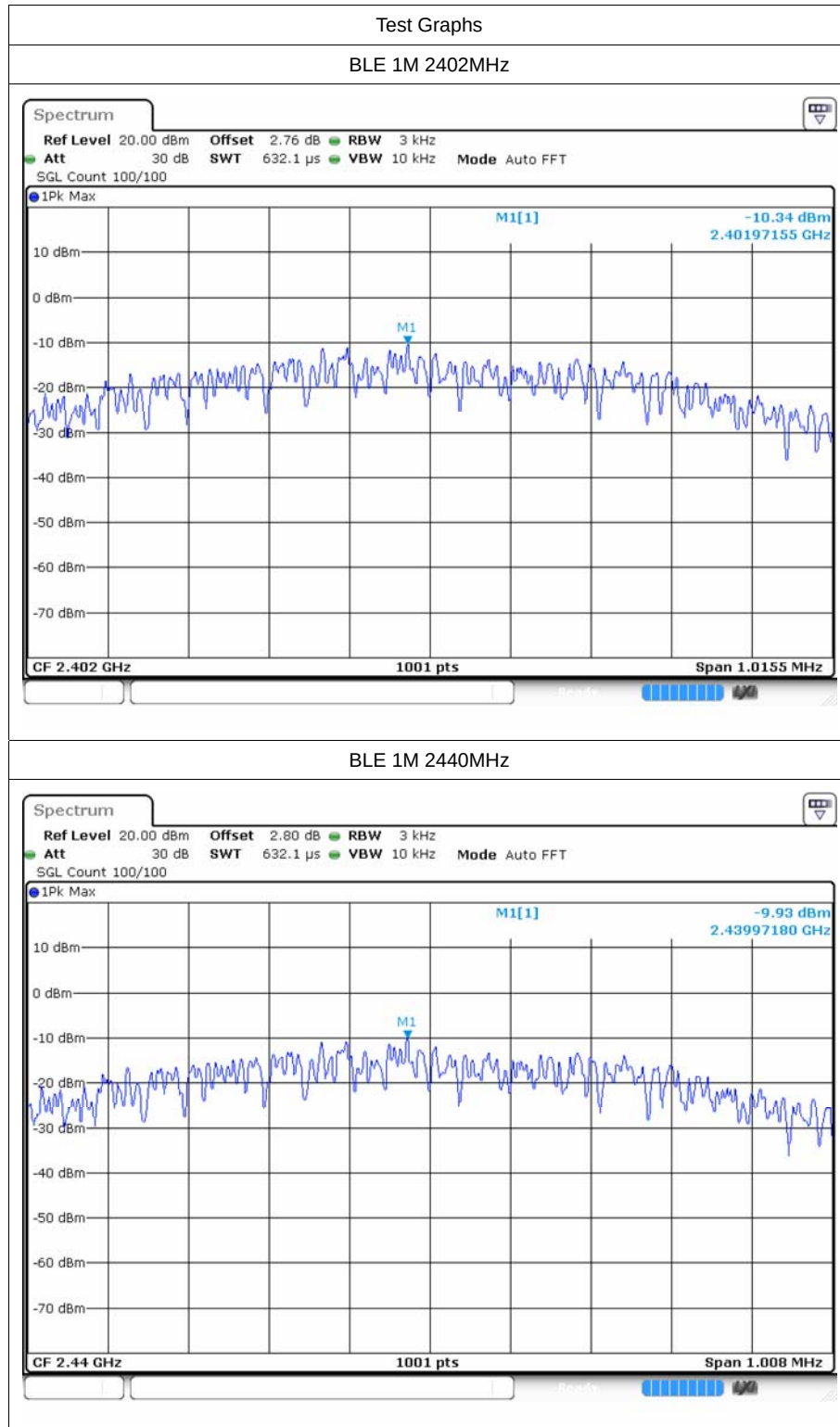


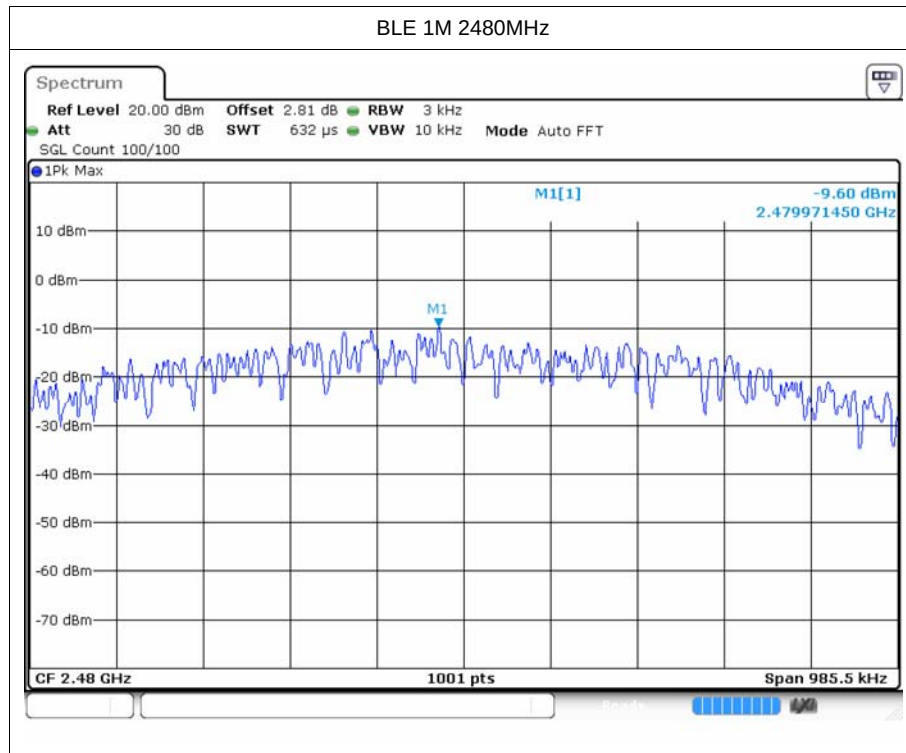
## 4 Maximum Power Spectral Density Level

### 4.1 Test Result

| Mode   | Frequency (MHz) | Conducted PSD<br>(dBm/3-100kHz) | Limit<br>(dBm/3kHz) | Verdict |
|--------|-----------------|---------------------------------|---------------------|---------|
| BLE 1M | 2402            | -10.34                          | $\leq 8$            | Pass    |
| BLE 1M | 2440            | -9.93                           | $\leq 8$            | Pass    |
| BLE 1M | 2480            | -9.6                            | $\leq 8$            | Pass    |

## 4.2 Test Graphs





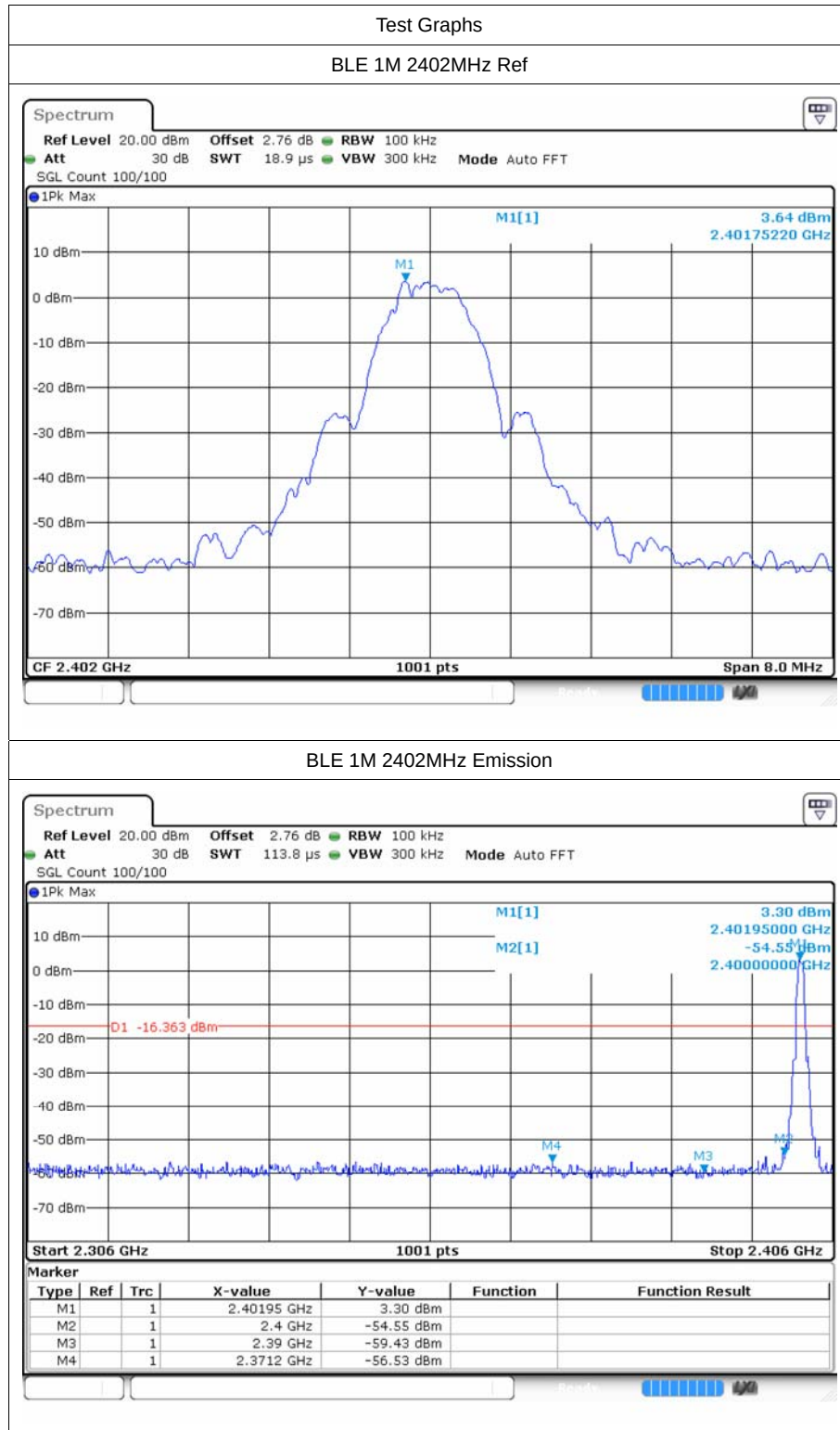


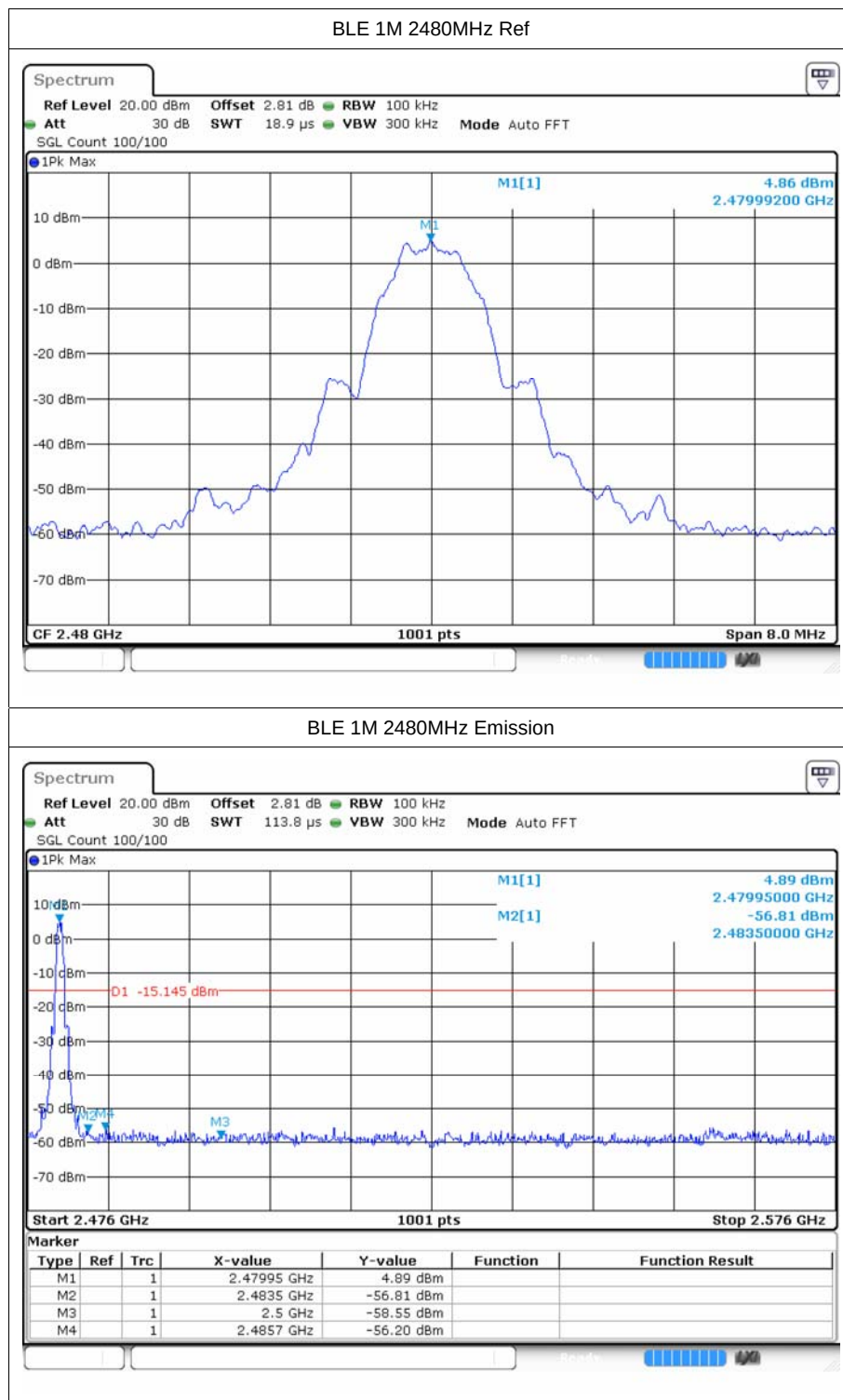
## 5 Band Edge

### 5.1 Test Result

| Mode   | Frequency (MHz) | Max Value (dBc) | Limit (dBc) | Verdict |
|--------|-----------------|-----------------|-------------|---------|
| BLE 1M | 2402            | -60.16          | -20         | Pass    |
| BLE 1M | 2480            | -61.05          | -20         | Pass    |

## 5.2 Test Graphs





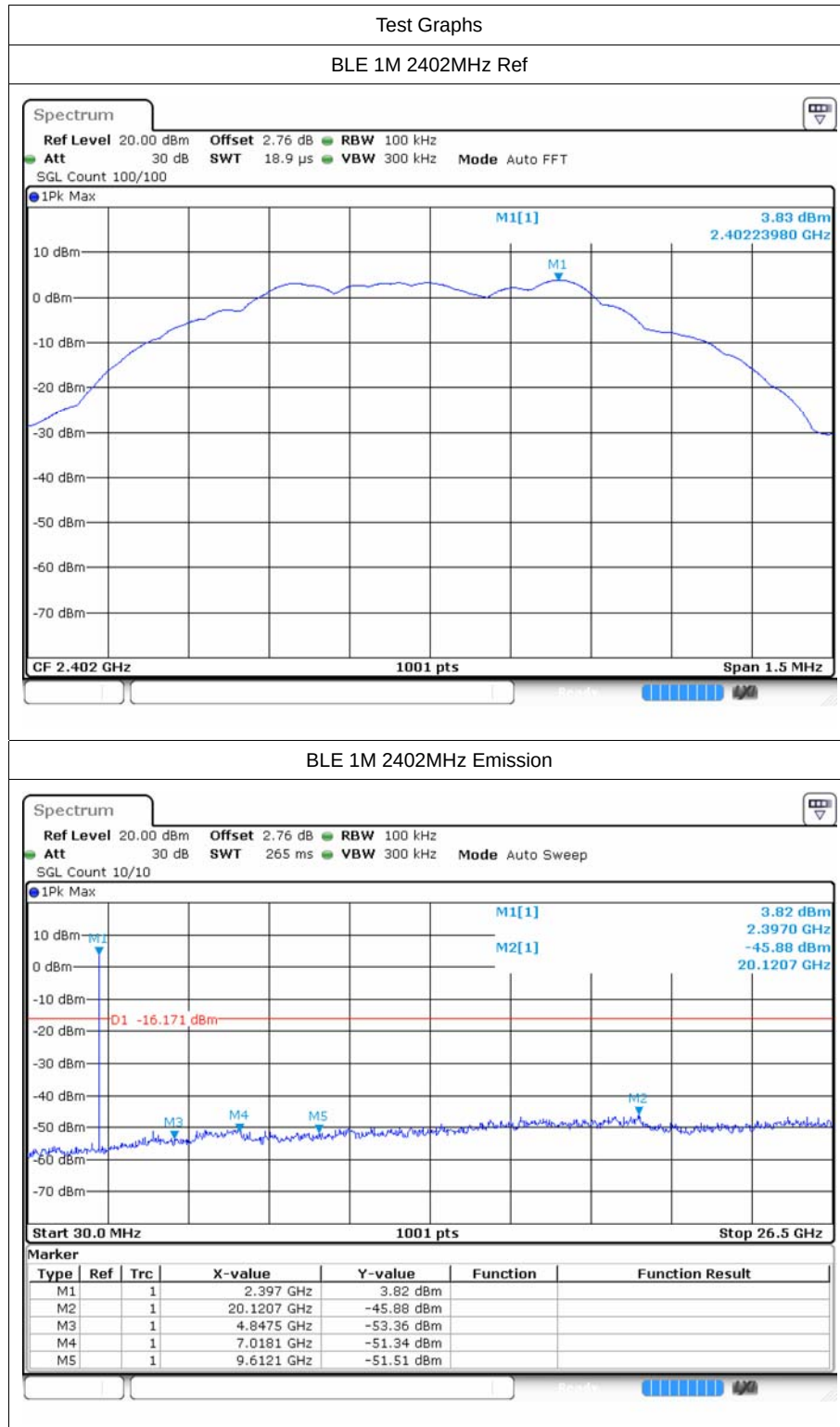


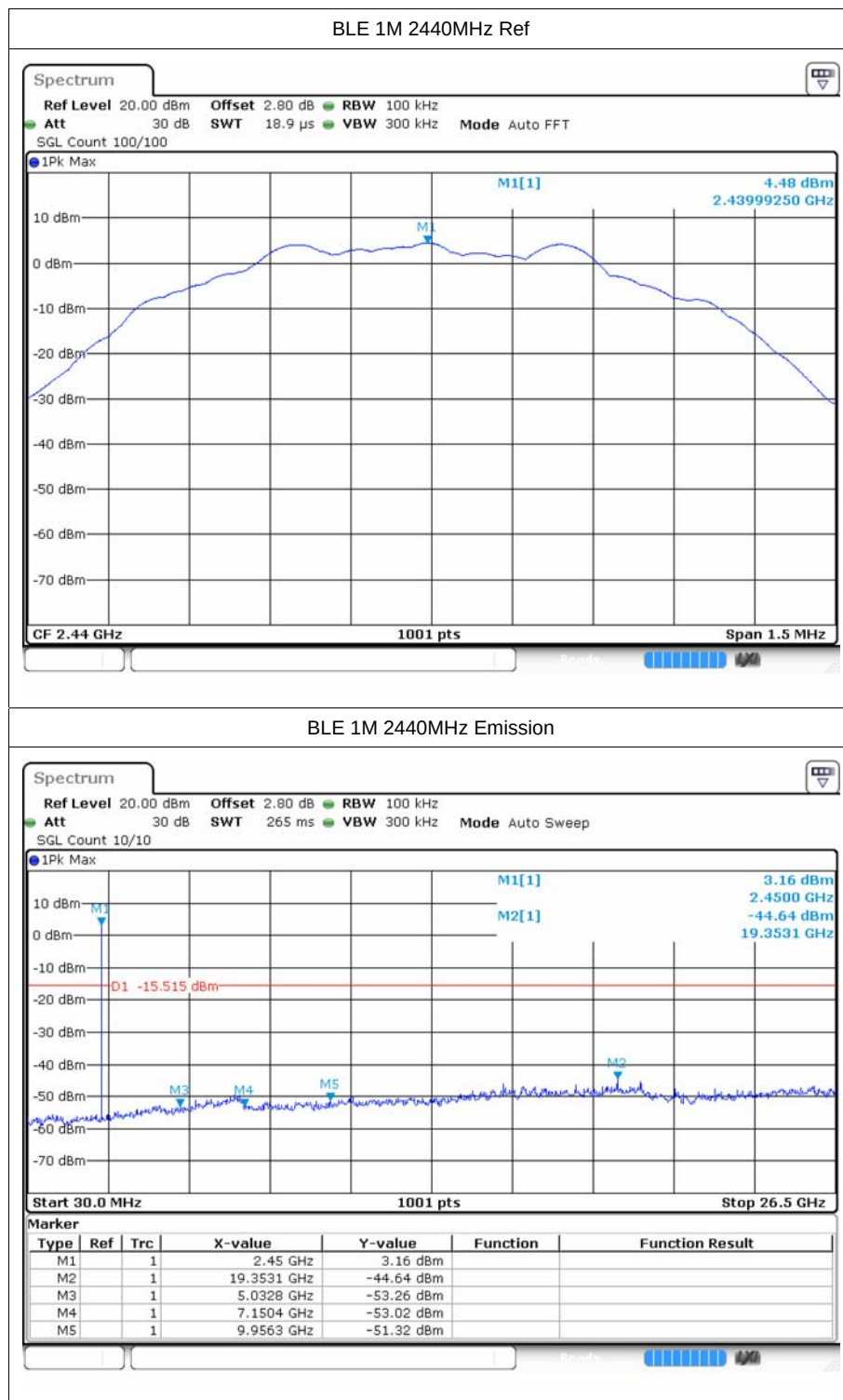
## 6 Conducted RF Spurious Emission

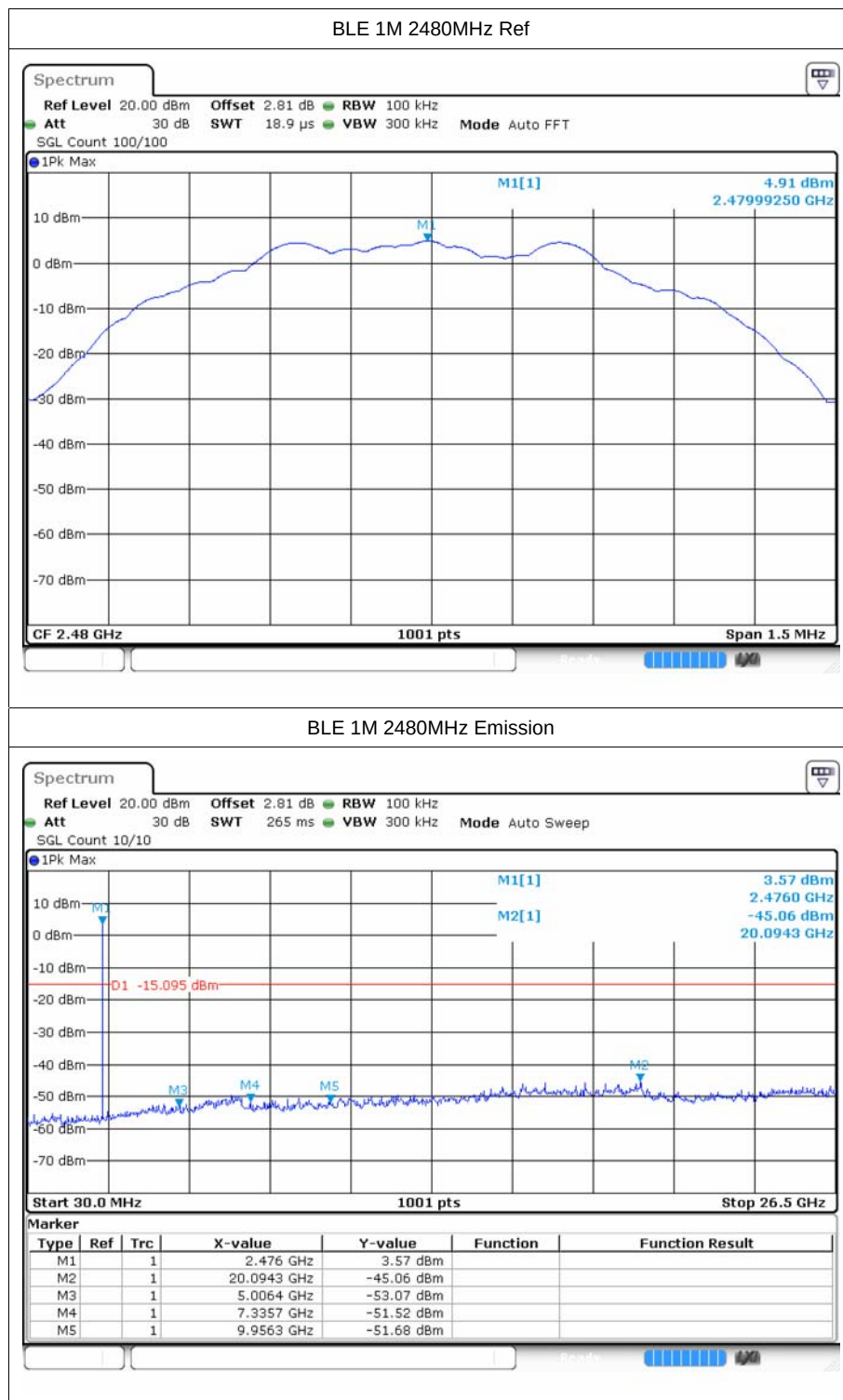
### 6.1 Test Result

| Mode   | Frequency (MHz) | Max Value (dBc) | Limit (dBc) | Verdict |
|--------|-----------------|-----------------|-------------|---------|
| BLE 1M | 2402            | -49.7           | -20         | Pass    |
| BLE 1M | 2440            | -49.11          | -20         | Pass    |
| BLE 1M | 2480            | -49.97          | -20         | Pass    |

## 6.2 Test Graphs







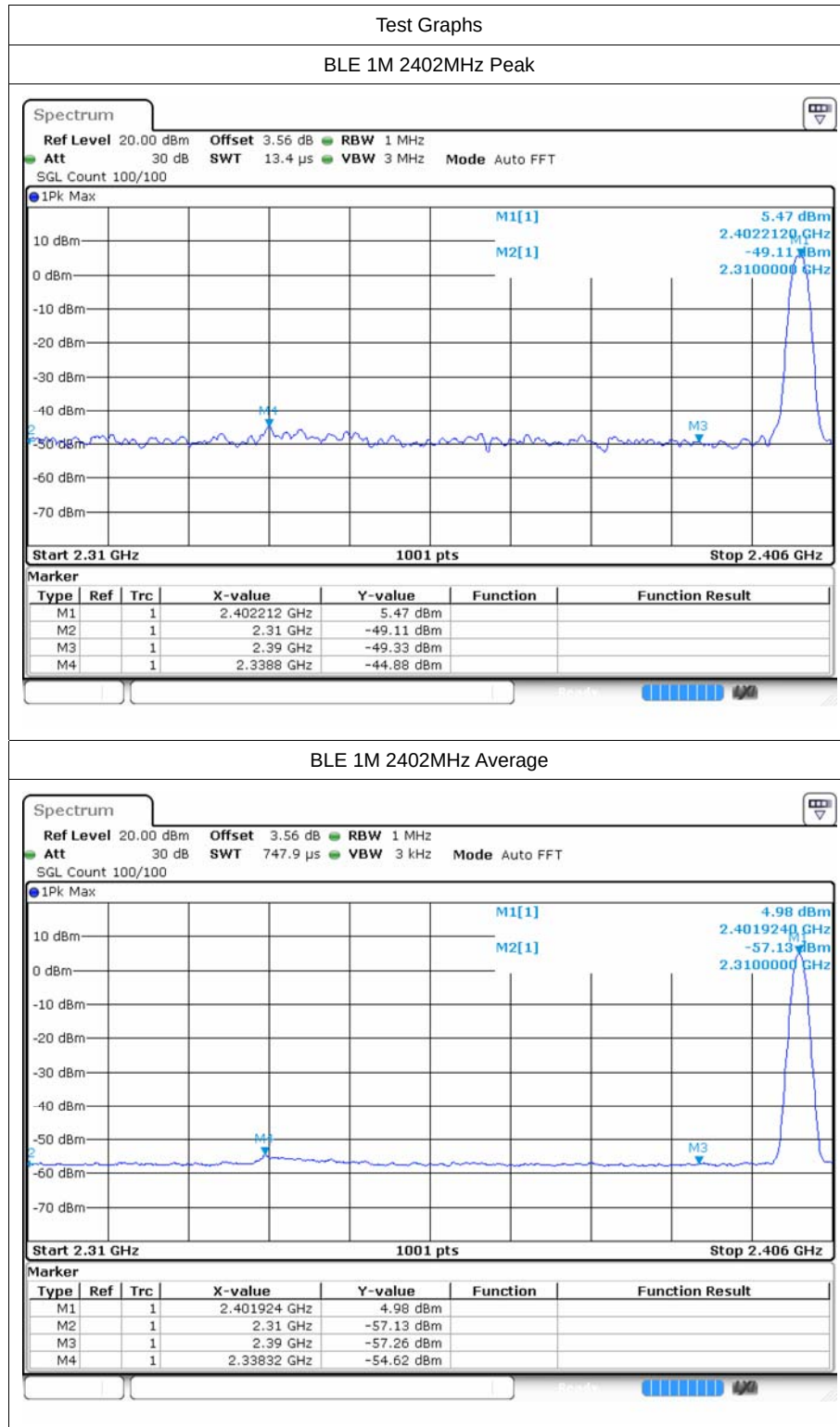


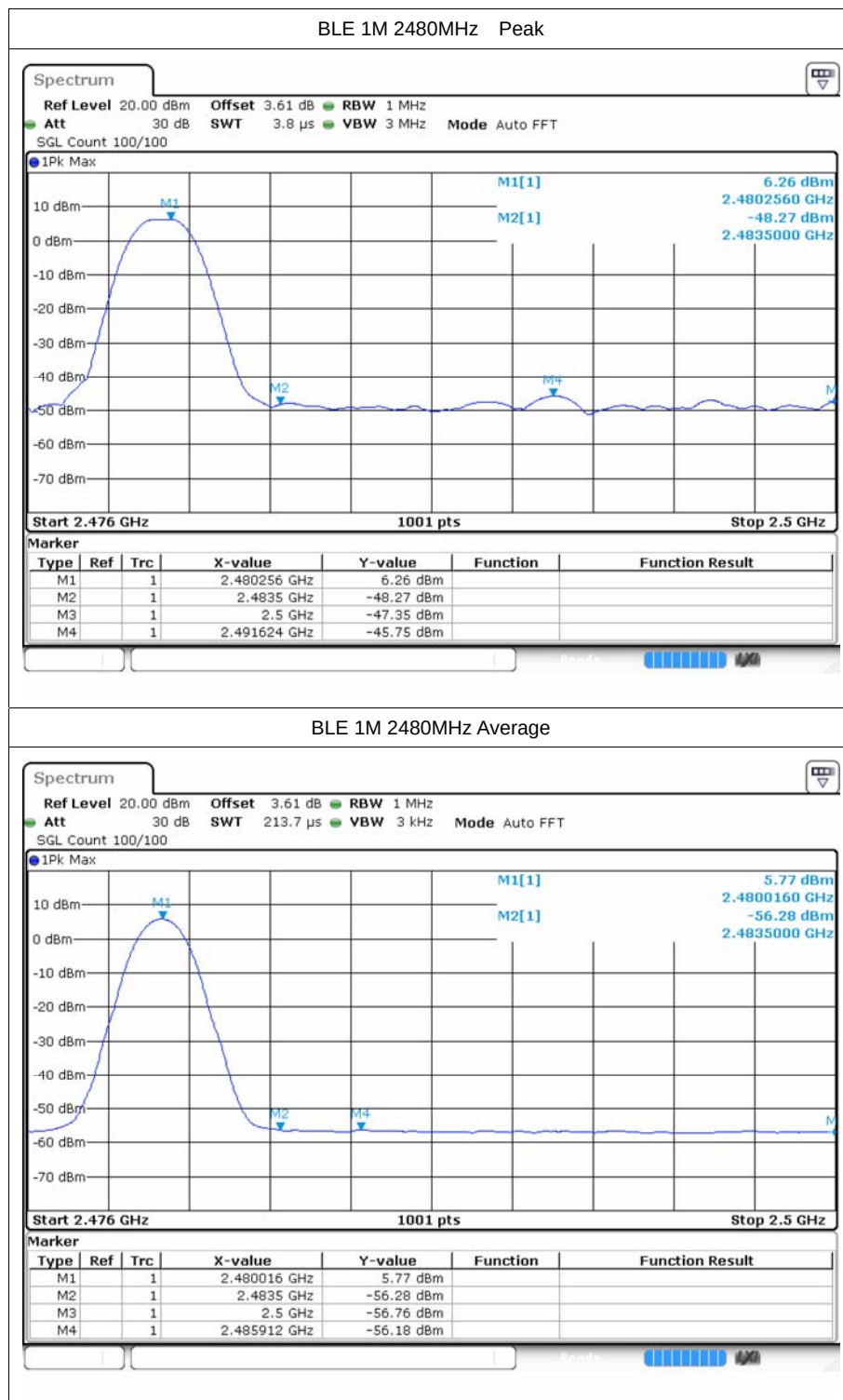
## 7 Restrict Band

### 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            | -49.11      | 2          | 48.15      | Peak     | 74             | Pass    |
| BLE 1M | 2402            | 2310            | -57.13      | 2          | 40.13      | Average  | 54             | Pass    |
| BLE 1M | 2402            | 2338.8          | -44.88      | 2          | 52.38      | Peak     | 74             | Pass    |
| BLE 1M | 2402            | 2338.32         | -54.62      | 2          | 42.64      | Average  | 54             | Pass    |
| BLE 1M | 2402            | 2390            | -49.33      | 2          | 47.93      | Peak     | 74             | Pass    |
| BLE 1M | 2402            | 2390            | -57.26      | 2          | 40         | Average  | 54             | Pass    |
| BLE 1M | 2480            | 2483.5          | -48.2       | 2          | 49.06      | Peak     | 74             | Pass    |
| BLE 1M | 2480            | 2483.5          | -56.34      | 2          | 40.92      | Average  | 54             | Pass    |
| BLE 1M | 2480            | 2491.624        | -45.75      | 2          | 51.51      | Peak     | 74             | Pass    |
| BLE 1M | 2480            | 2485.912        | -56.17      | 2          | 41.09      | Average  | 54             | Pass    |
| BLE 1M | 2480            | 2500            | -47.34      | 2          | 49.92      | Peak     | 74             | Pass    |
| BLE 1M | 2480            | 2500            | -56.75      | 2          | 40.51      | Average  | 54             | Pass    |

## 7.2 Test Graphs





---The End---