



Appendix B

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

Product Name: Tablet PC

Trade Mark: Blackview

Test Model: Tab 9 WiFi

Environmental Conditions

| | |
|--------------------|-------------|
| Temperature: | 25.5° C |
| Relative Humidity: | 52.2% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Simba Huang |
| Supervised by: | Seal Chen |



Contents

| | Page |
|--|------|
| COVER PAGE | |
| 1 Duty Cycle | 3 |
| 1.1 Test Result | 3 |
| 1.2 Test Graphs | 4 |
| 2 Maximum Conducted Output Power | 7 |
| 2.1 Test Result | 7 |
| 2.2 Test Graphs | 8 |
| 3 -6dB Bandwidth | 11 |
| 3.1 Test Result | 11 |
| 3.2 Test Graphs | 12 |
| 4 Maximum Power Spectral Density Level | 15 |
| 4.1 Test Result | 15 |
| 4.2 Test Graphs | 16 |
| 5 Band Edge | 19 |
| 5.1 Test Result | 19 |
| 5.2 Test Graphs | 20 |
| 6 Conducted RF Spurious Emission | 24 |
| 6.1 Test Result | 24 |
| 6.2 Test Graphs | 25 |
| 7 Restrict Band | 31 |
| 7.1 Test Result | 31 |
| 7.2 Test Graphs | 32 |

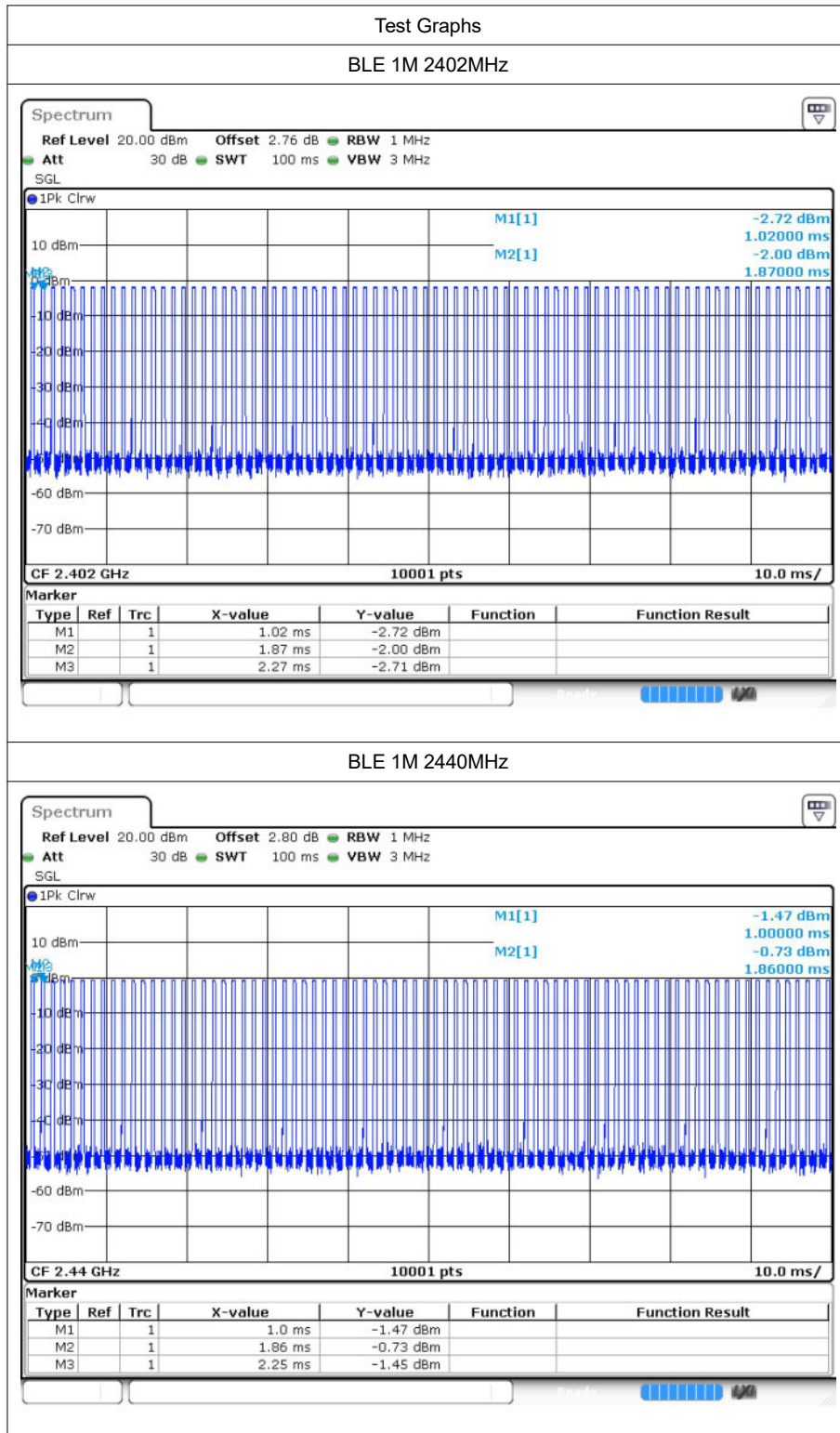


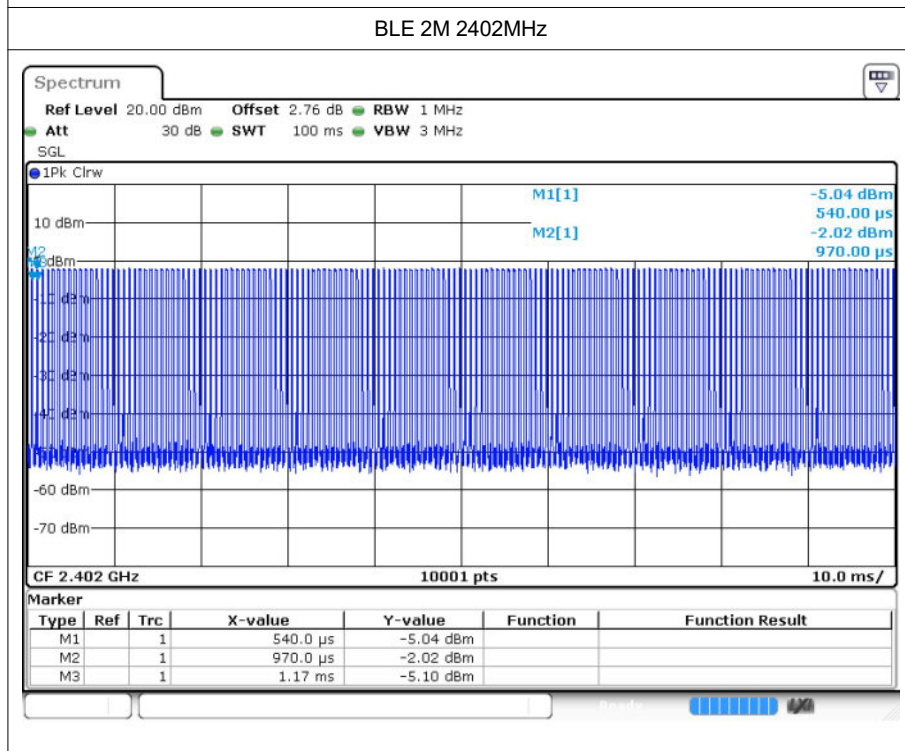
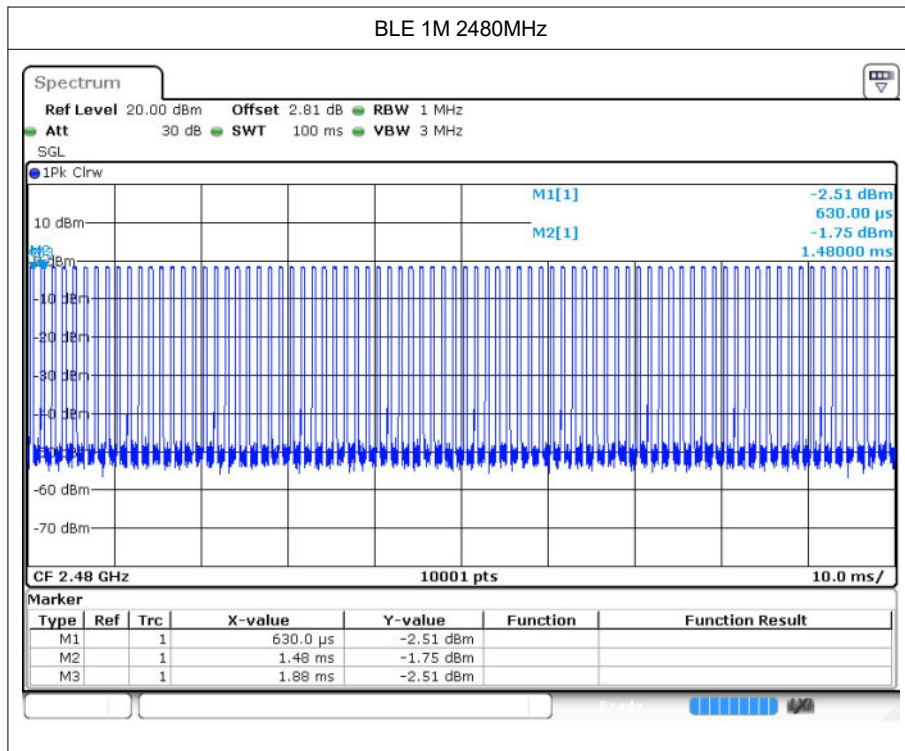
1 Duty Cycle

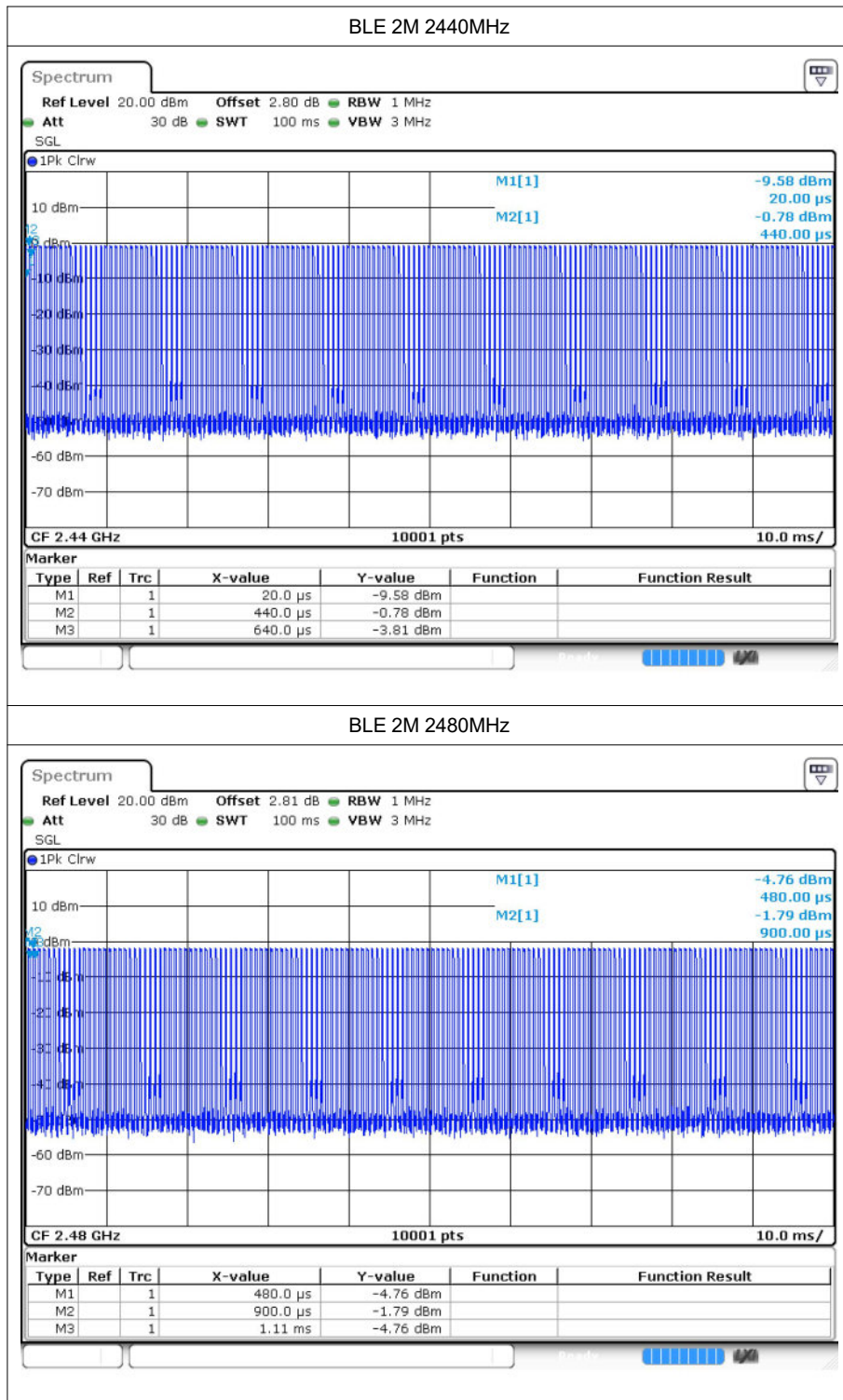
1.1 Test Result

| Mode | Frequency (MHz) | Duty Cycle (%) | Correction Factor | 1/T (kHz) |
|--------|-----------------|----------------|-------------------|-----------|
| BLE 1M | 2402 | 32.8 | 4.84 | 2.5 |
| BLE 1M | 2440 | 32 | 4.95 | 2.56 |
| BLE 1M | 2480 | 32.8 | 4.84 | 2.5 |
| BLE 2M | 2402 | 33.6 | 4.74 | 5 |
| BLE 2M | 2440 | 34.41 | 4.63 | 5 |
| BLE 2M | 2480 | 34.4 | 4.63 | 4.76 |

1.2 Test Graphs







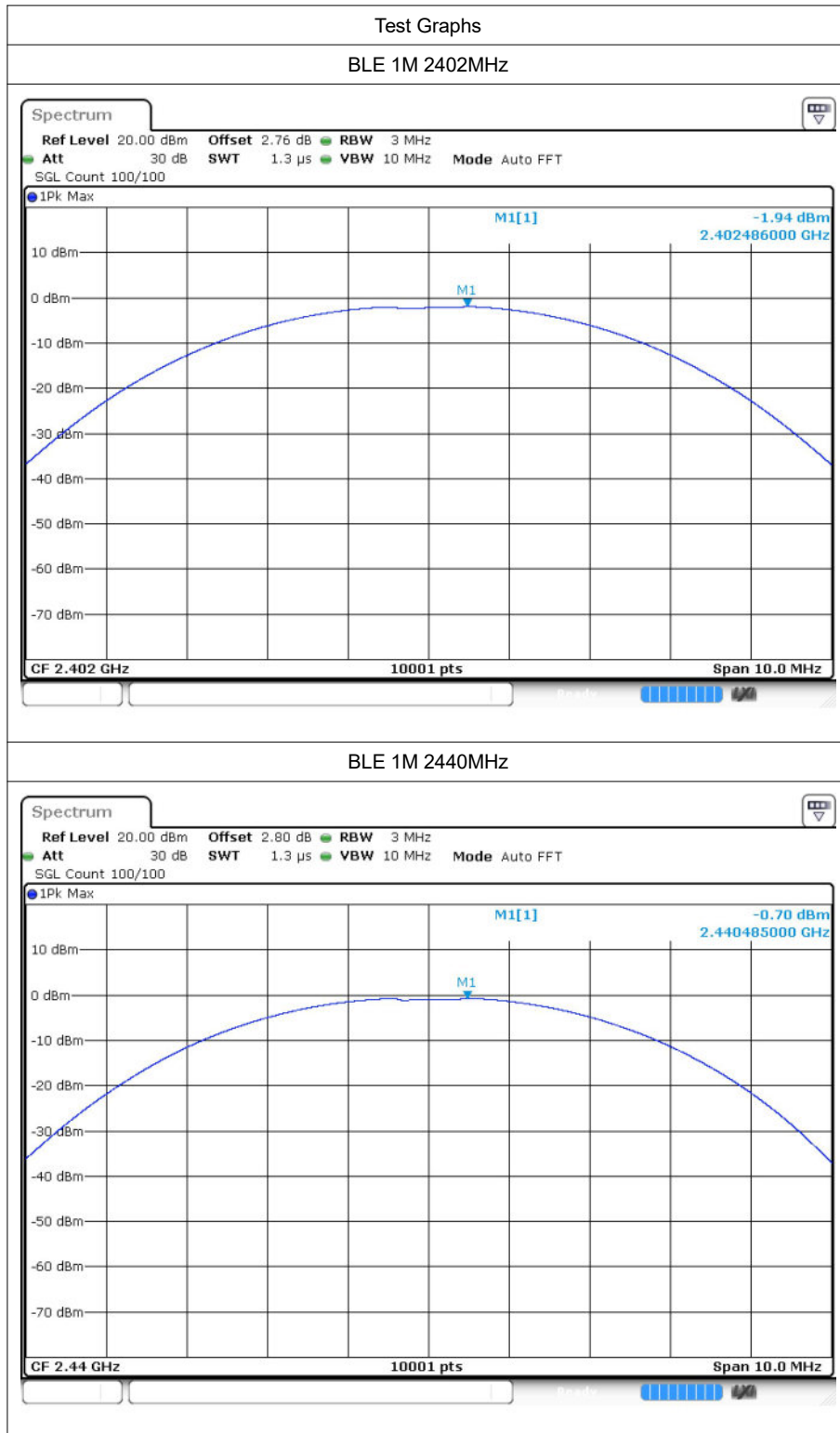


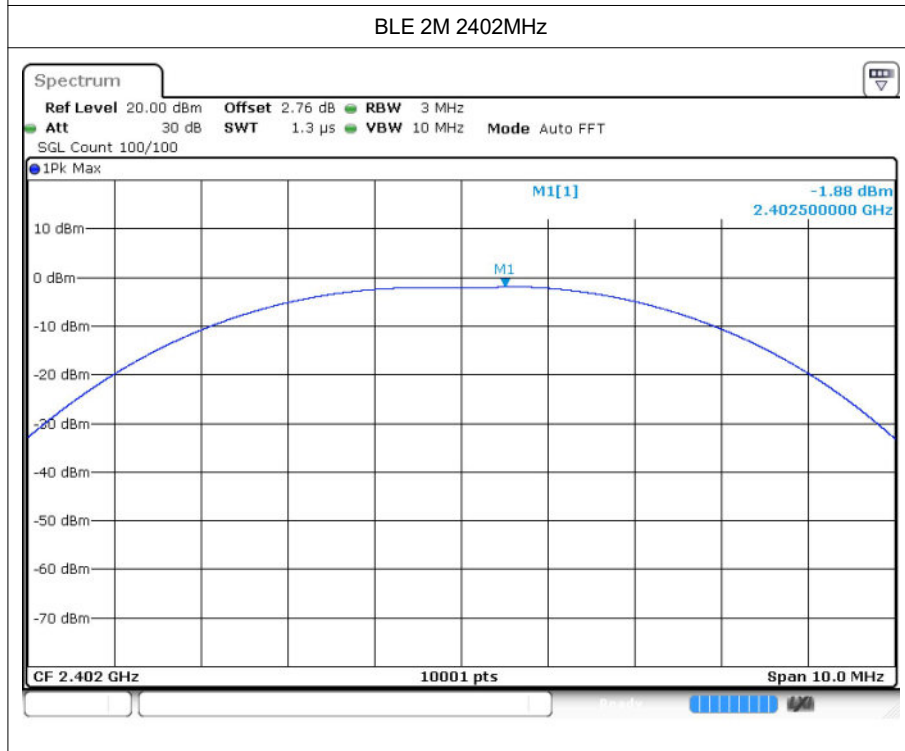
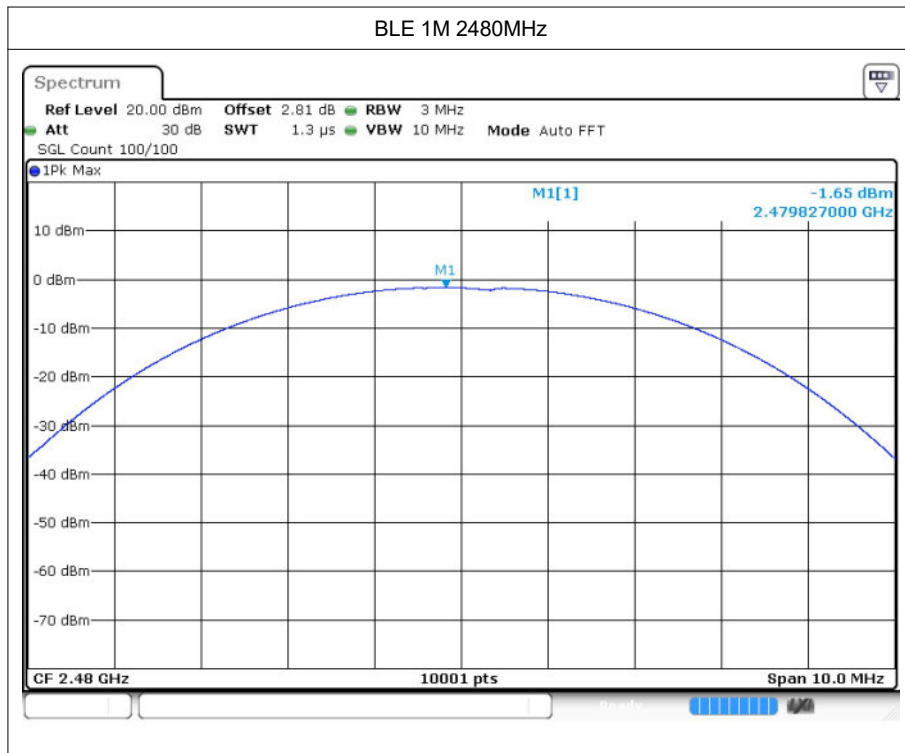
2 Maximum Conducted Output Power

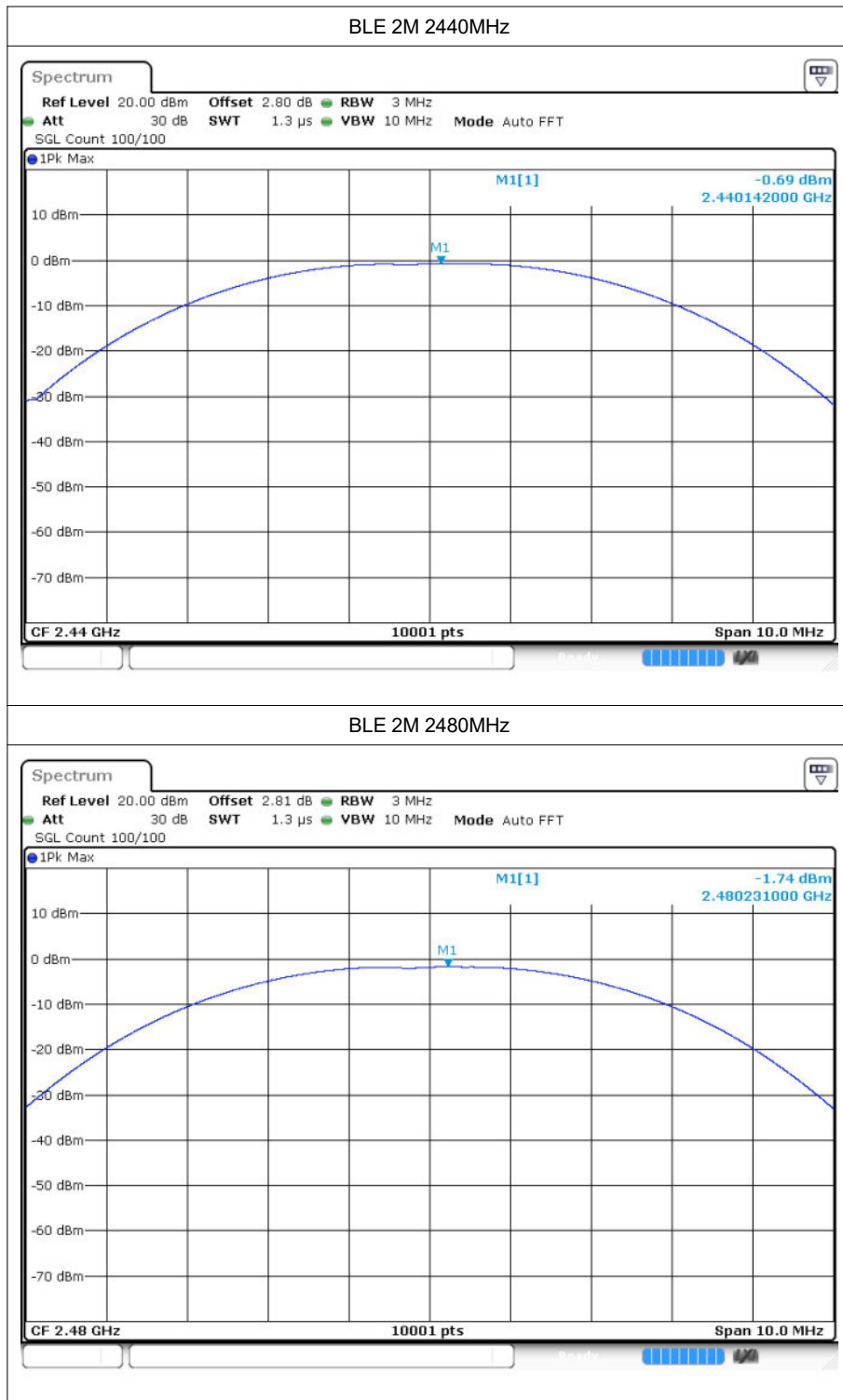
2.1 Test Result

| Mode | Frequency (MHz) | Conducted Power (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|-----------------------|-------------|---------|
| BLE 1M | 2402 | -1.94 | 30 | Pass |
| BLE 1M | 2440 | -0.7 | 30 | Pass |
| BLE 1M | 2480 | -1.65 | 30 | Pass |
| BLE 2M | 2402 | -1.88 | 30 | Pass |
| BLE 2M | 2440 | -0.69 | 30 | Pass |
| BLE 2M | 2480 | -1.74 | 30 | Pass |

2.2 Test Graphs







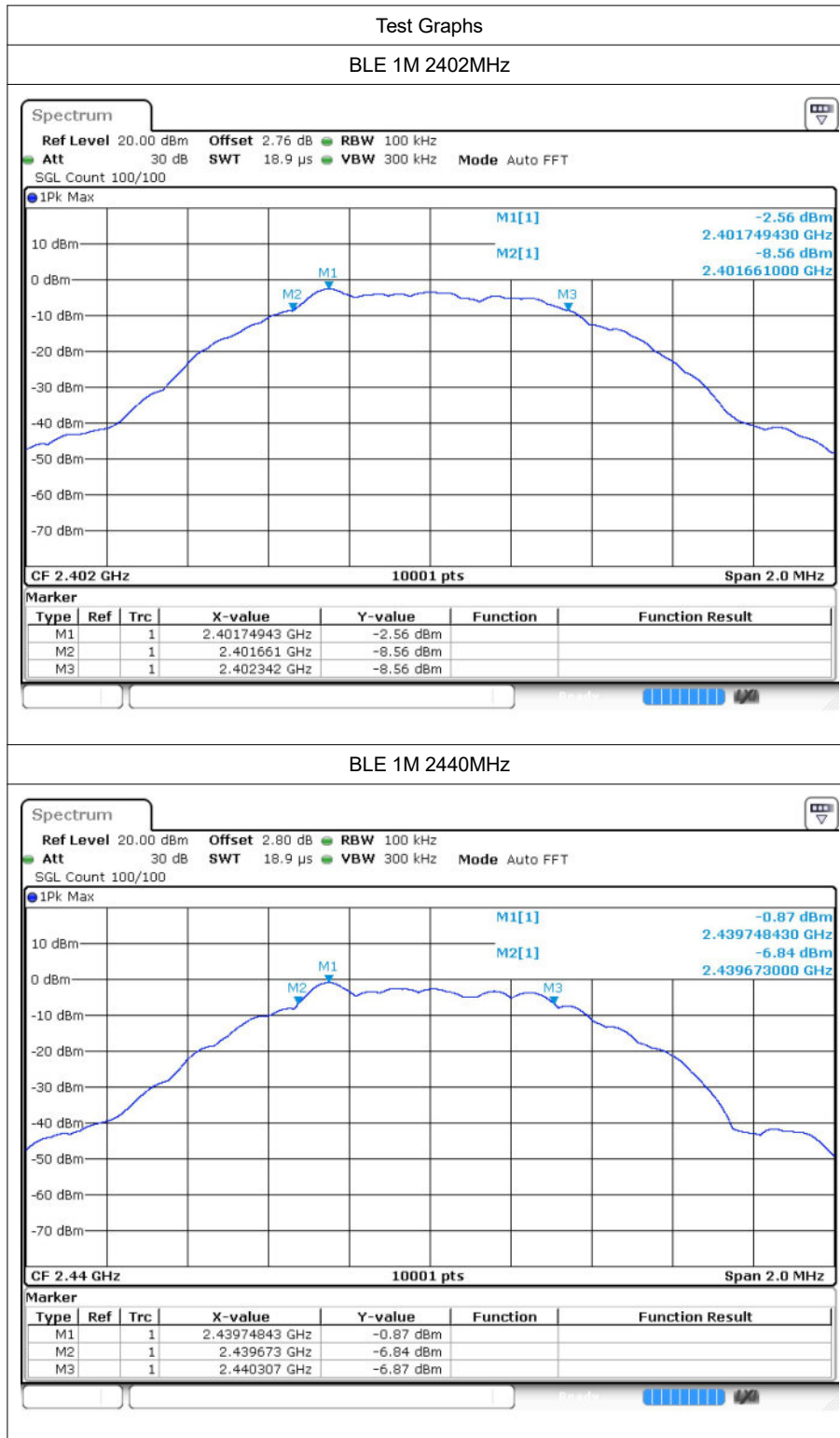


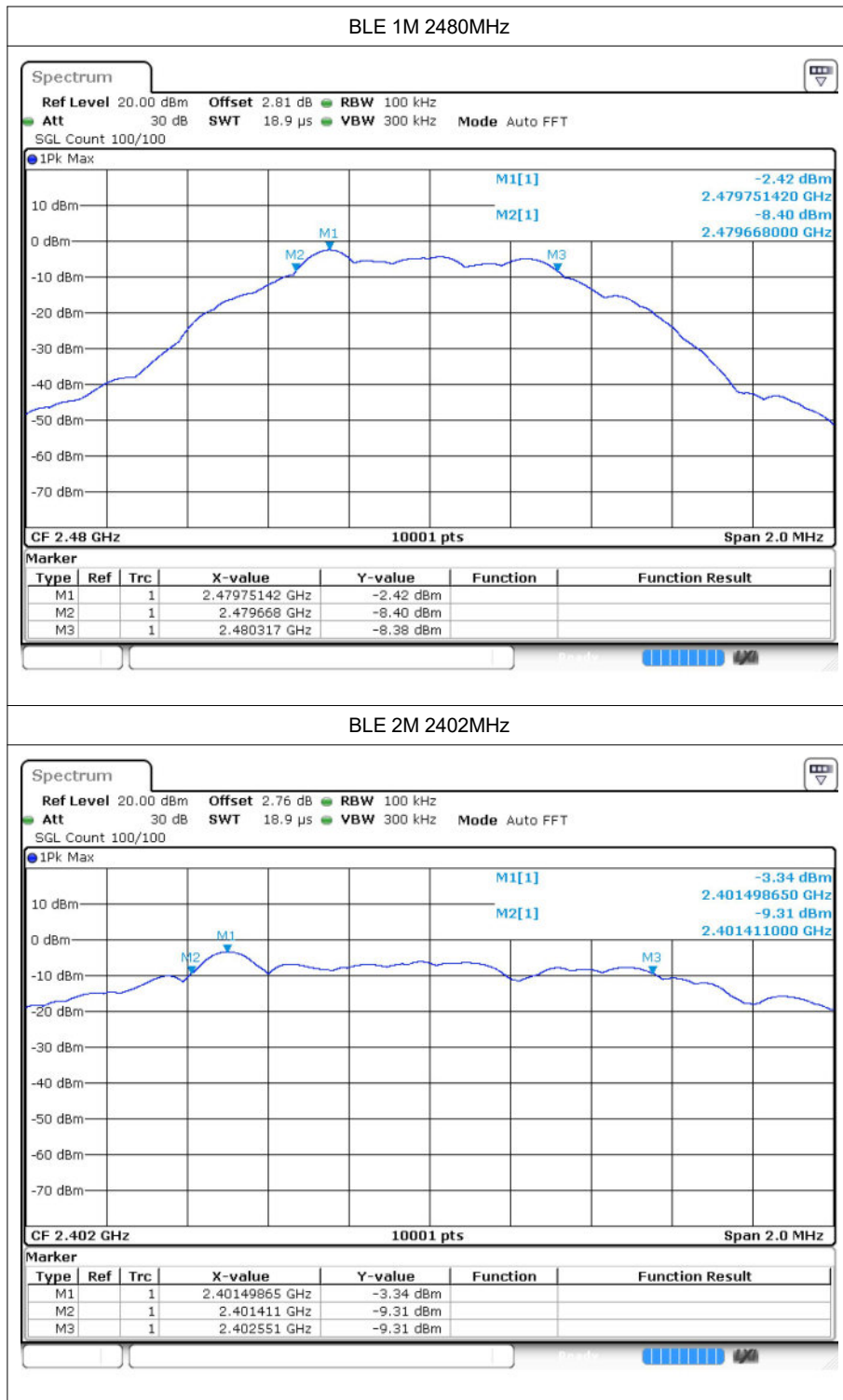
3 -6dB Bandwidth

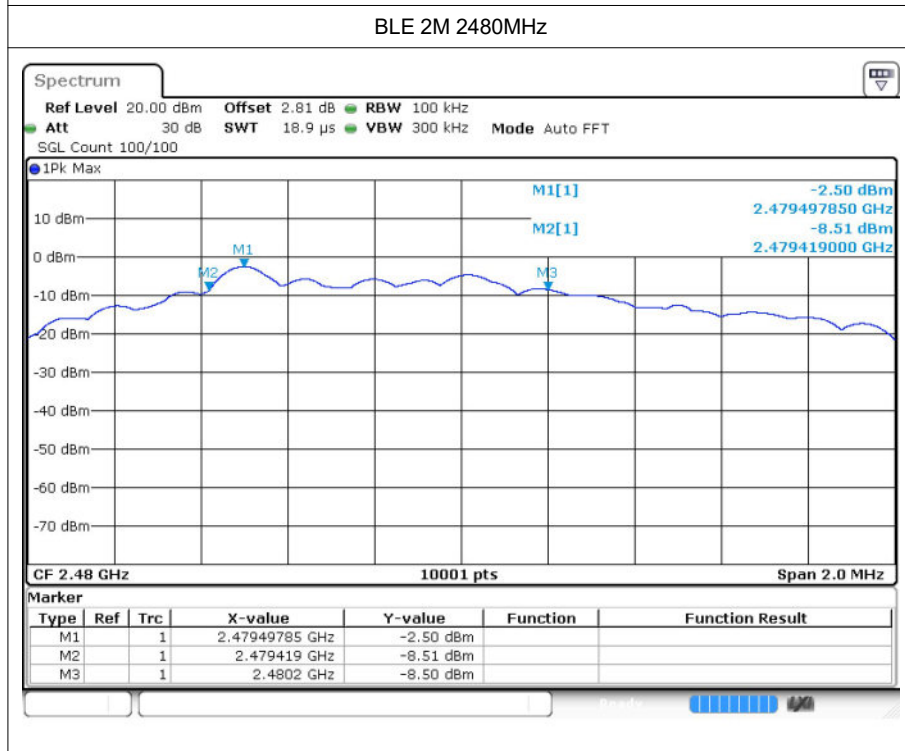
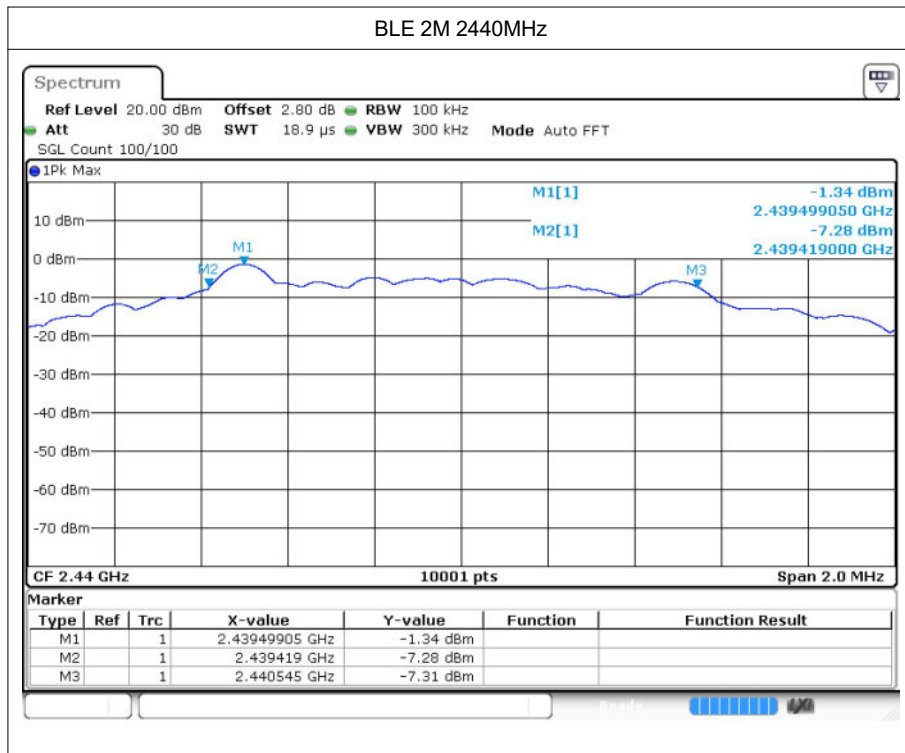
3.1 Test Result

| Mode | Frequency (MHz) | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|--------|-----------------|-----------------------|-----------------------------|---------|
| BLE 1M | 2402 | 0.681 | 0.5 | Pass |
| BLE 1M | 2440 | 0.634 | 0.5 | Pass |
| BLE 1M | 2480 | 0.649 | 0.5 | Pass |
| BLE 2M | 2402 | 1.141 | 0.5 | Pass |
| BLE 2M | 2440 | 1.127 | 0.5 | Pass |
| BLE 2M | 2480 | 0.781 | 0.5 | Pass |

3.2 Test Graphs





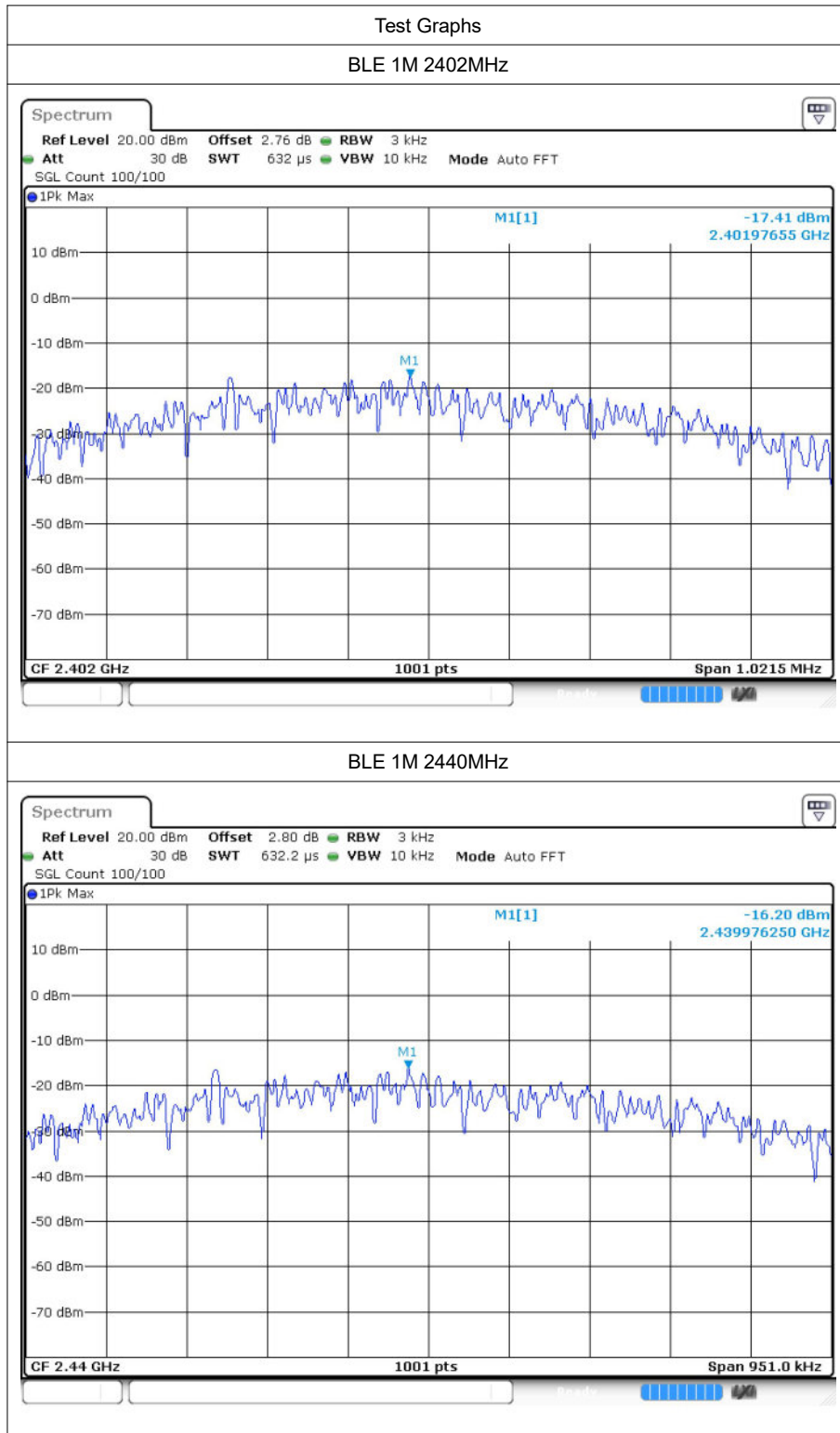


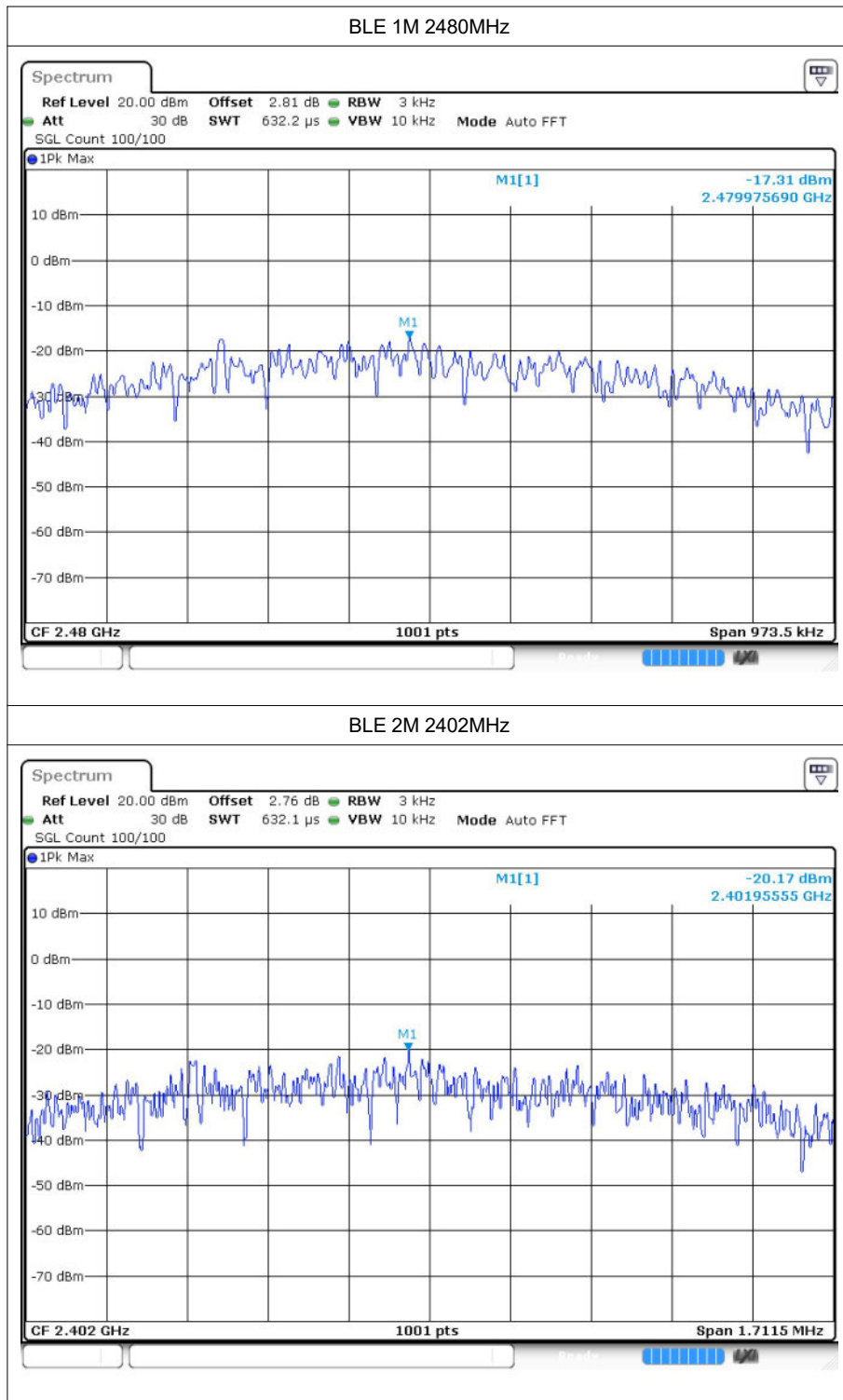
4 Maximum Power Spectral Density Level

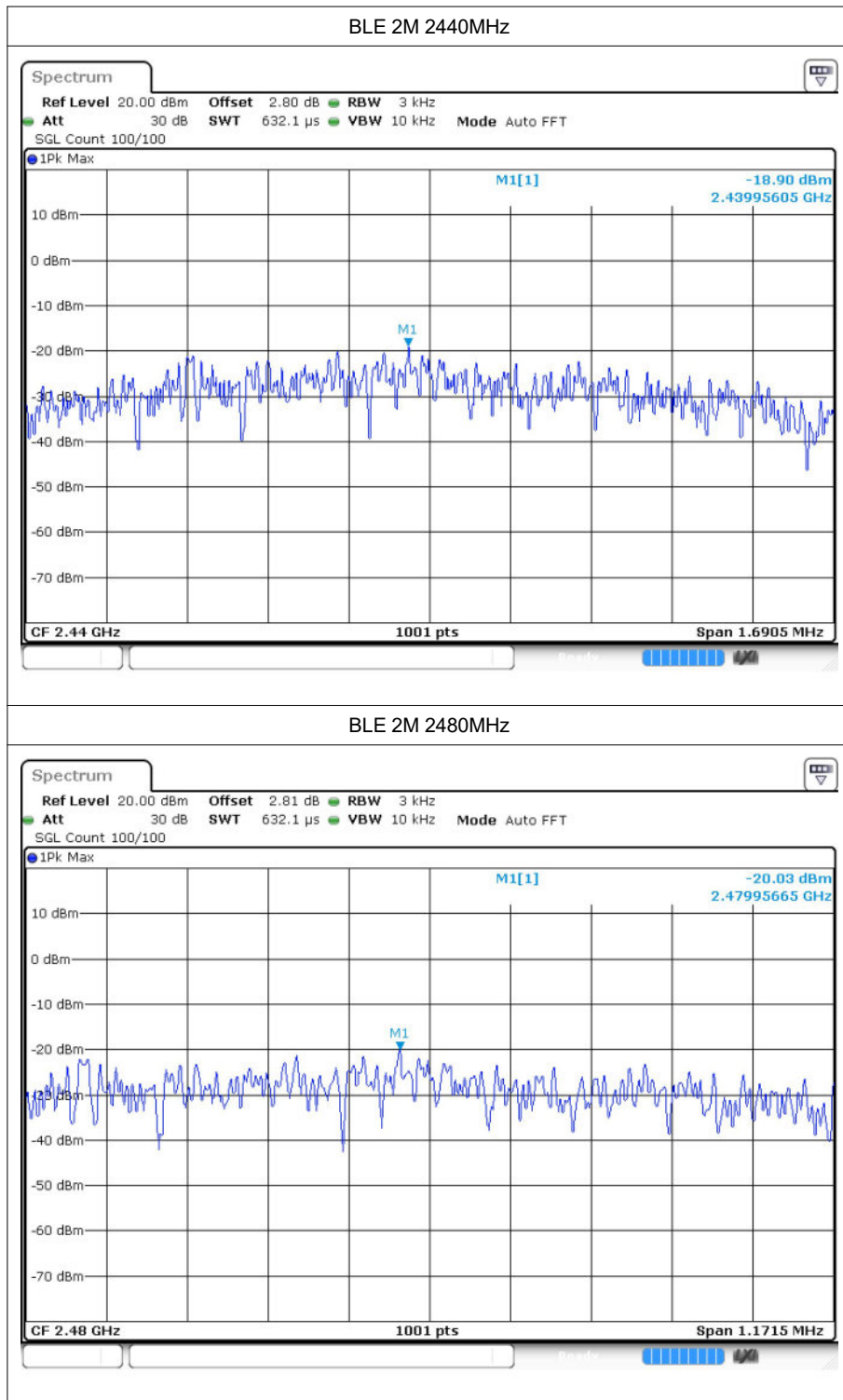
4.1 Test Result

| Mode | Frequency (MHz) | Conducted PSD (dBm/3-100kHz) | Limit (dBm/3kHz) | Verdict |
|--------|-----------------|---------------------------------|---------------------|---------|
| BLE 1M | 2402 | -17.41 | ≤ 8 | Pass |
| BLE 1M | 2440 | -16.2 | ≤ 8 | Pass |
| BLE 1M | 2480 | -17.31 | ≤ 8 | Pass |
| BLE 2M | 2402 | -20.17 | ≤ 8 | Pass |
| BLE 2M | 2440 | -18.9 | ≤ 8 | Pass |
| BLE 2M | 2480 | -20.03 | ≤ 8 | Pass |

4.2 Test Graphs







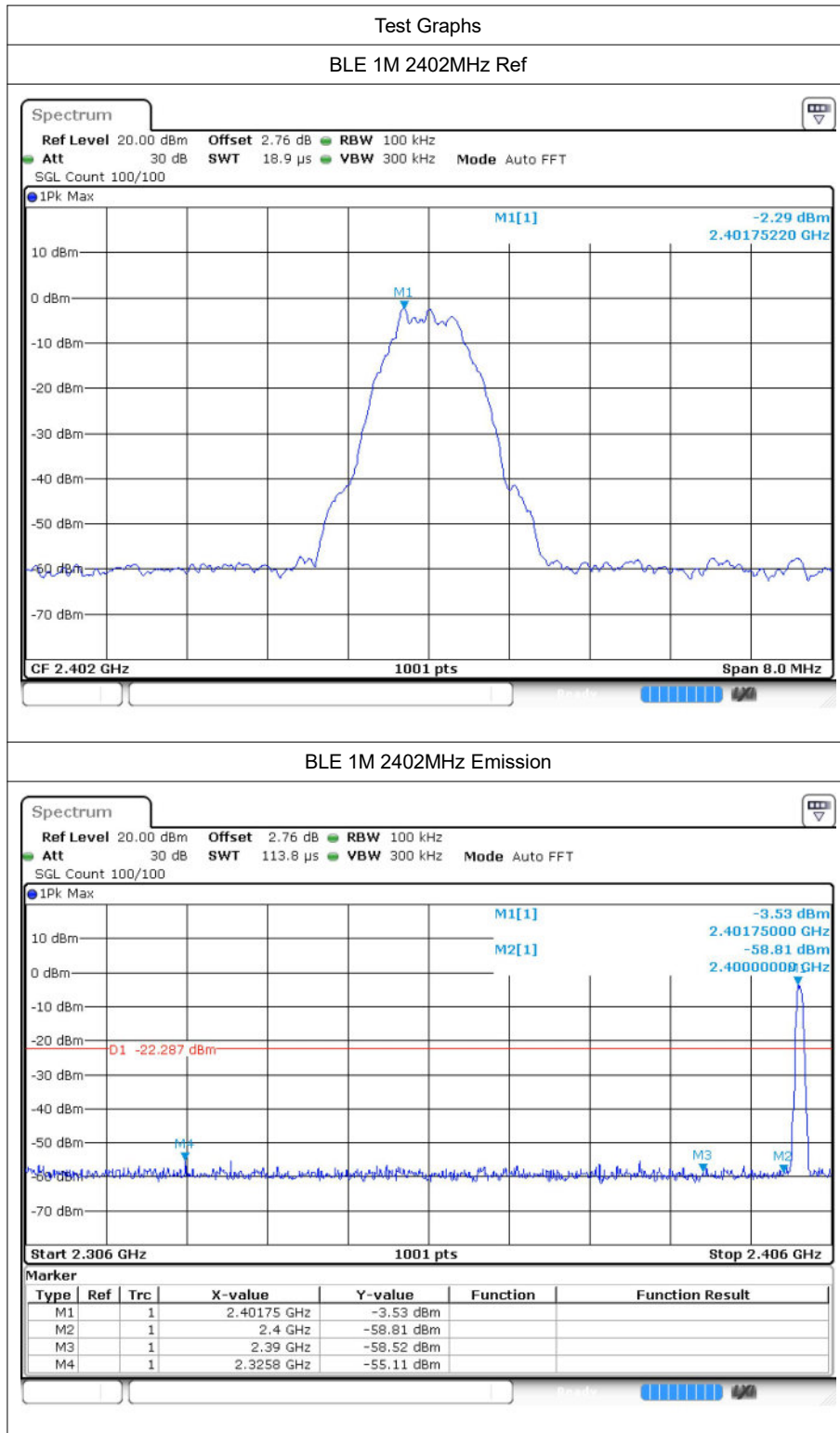


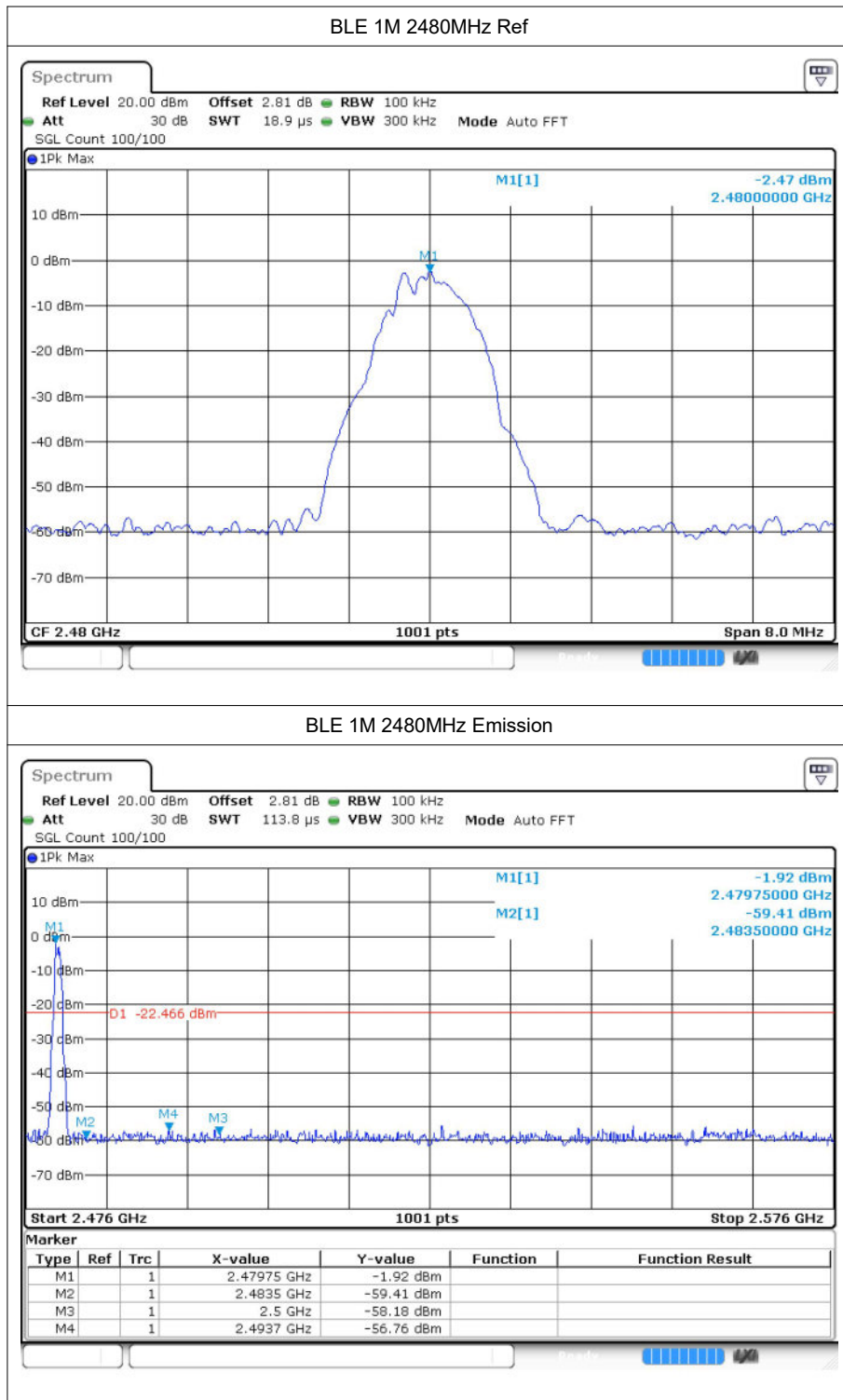
5 Band Edge

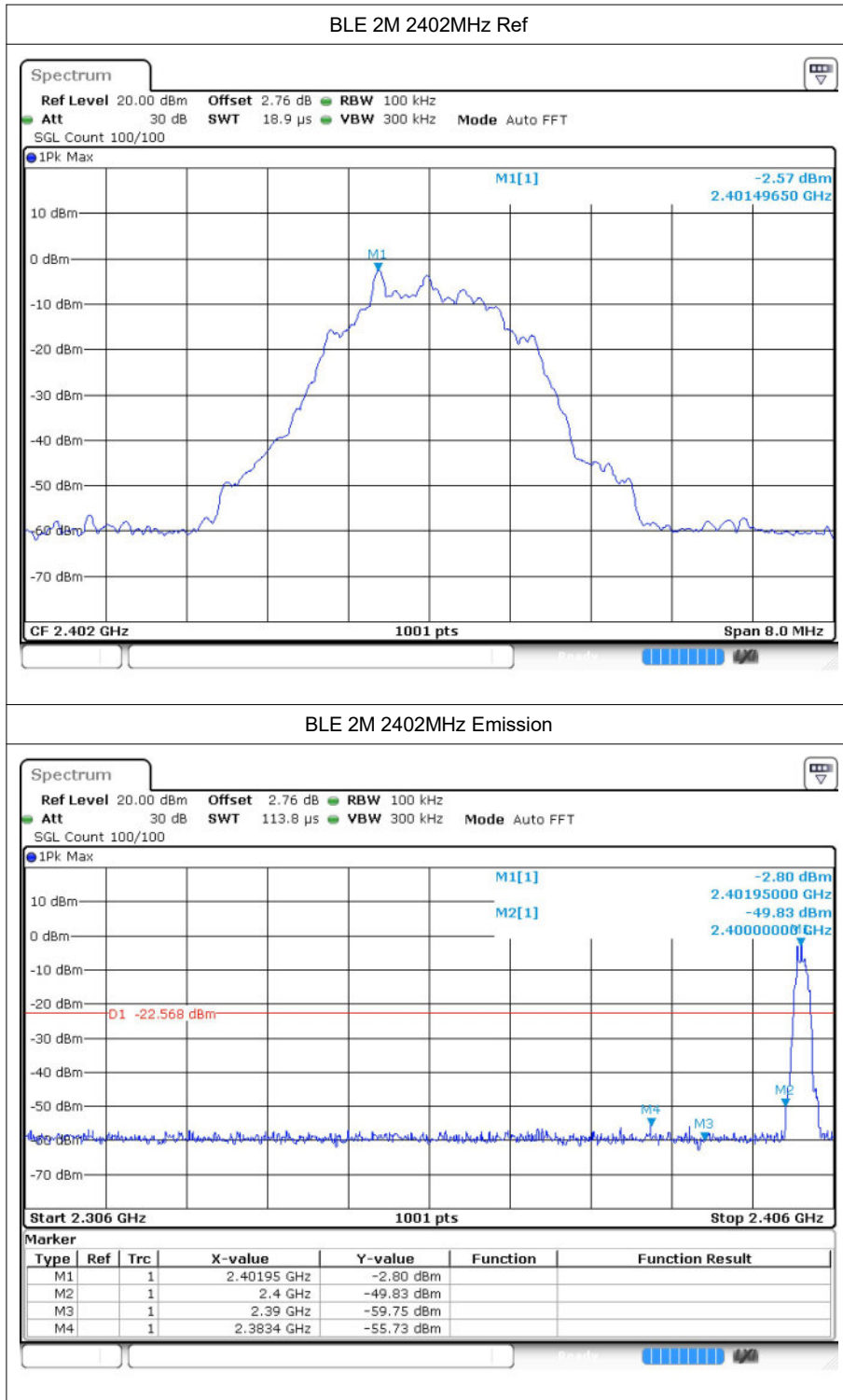
5.1 Test Result

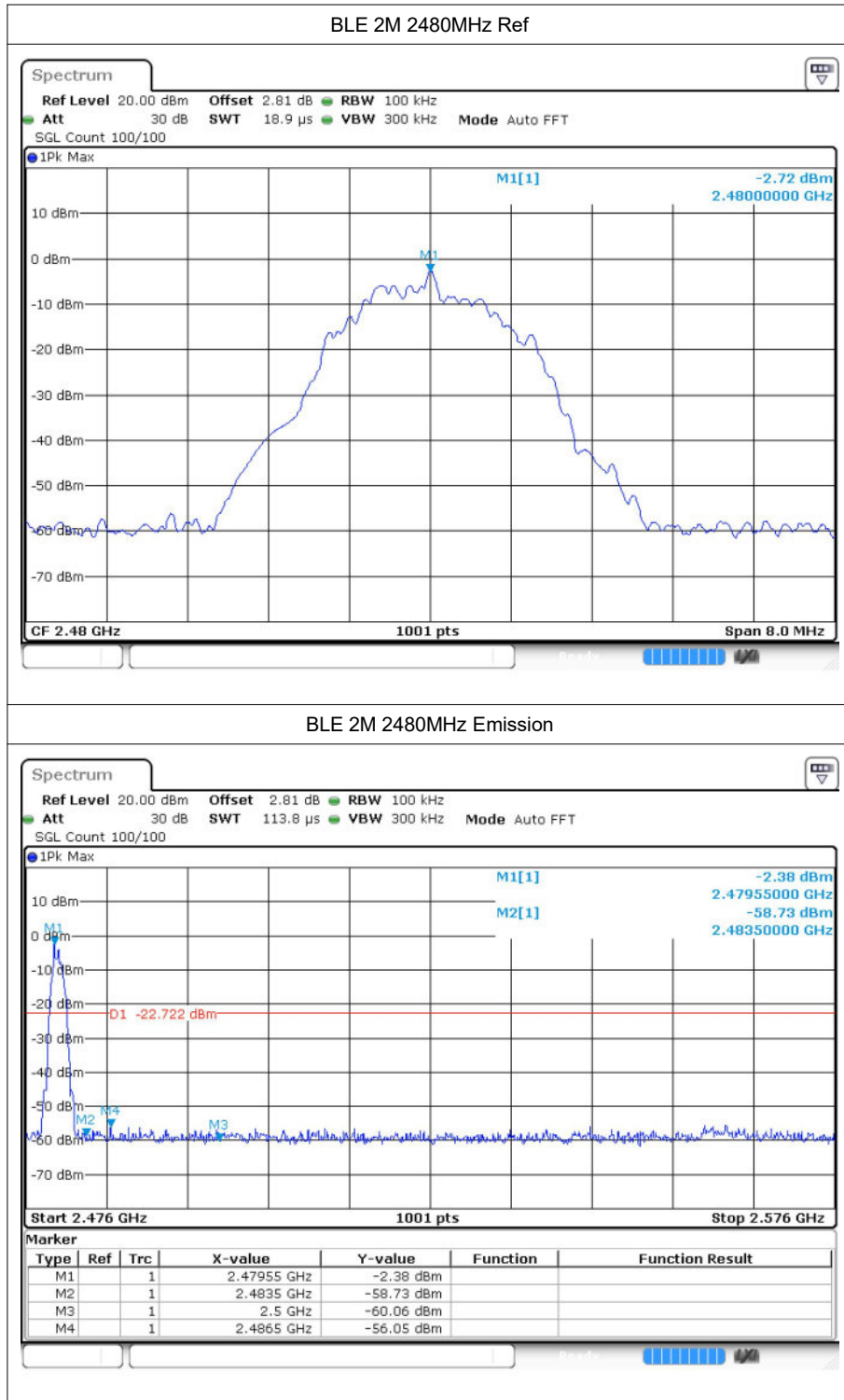
| Mode | Frequency (MHz) | Max Value (dBc) | Limit (dBc) | Verdict |
|--------|-----------------|-----------------|-------------|---------|
| BLE 1M | 2402 | -52.81 | -20 | Pass |
| BLE 1M | 2480 | -54.29 | -20 | Pass |
| BLE 2M | 2402 | -53.16 | -20 | Pass |
| BLE 2M | 2480 | -53.33 | -20 | Pass |

5.2 Test Graphs









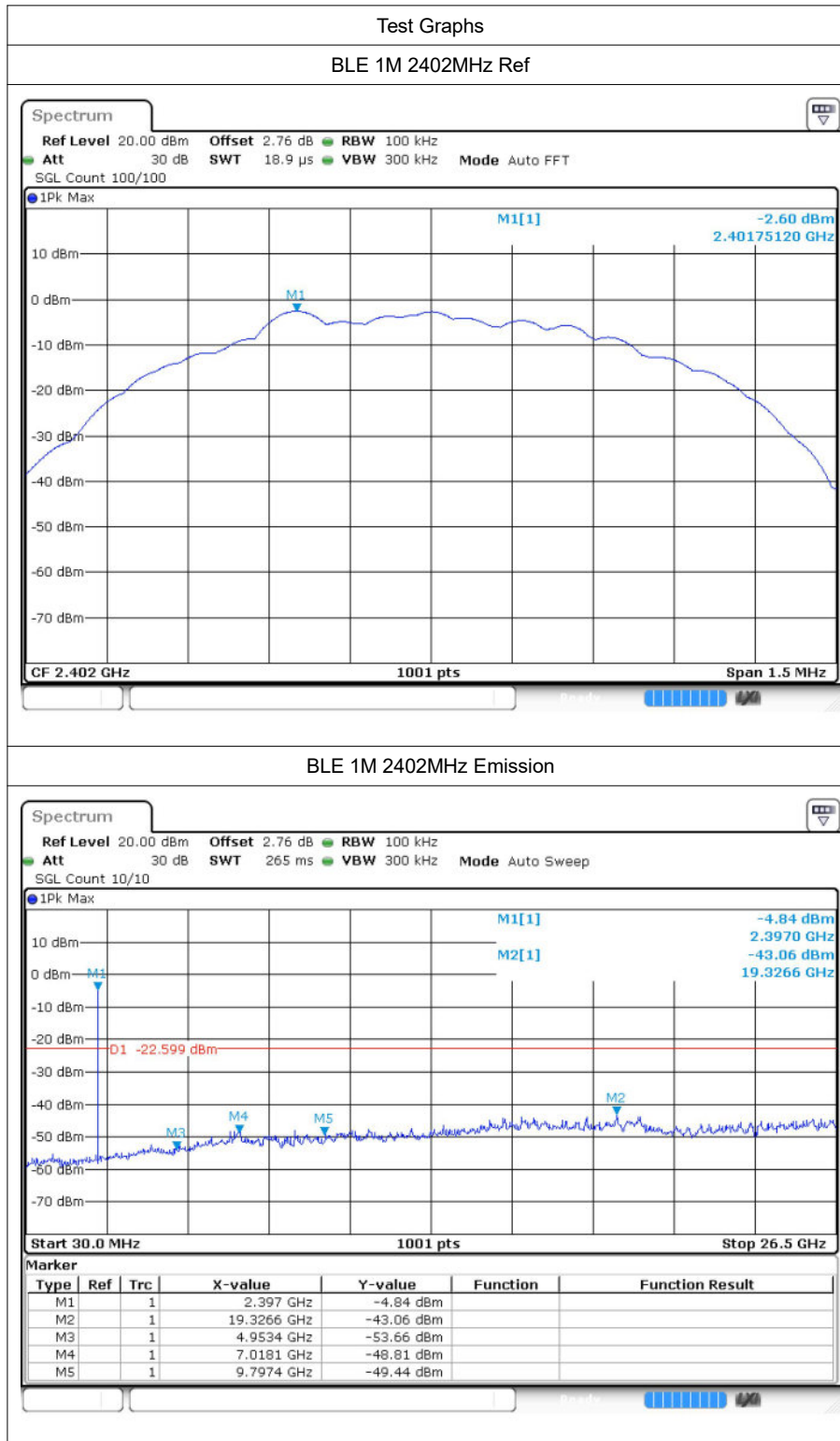


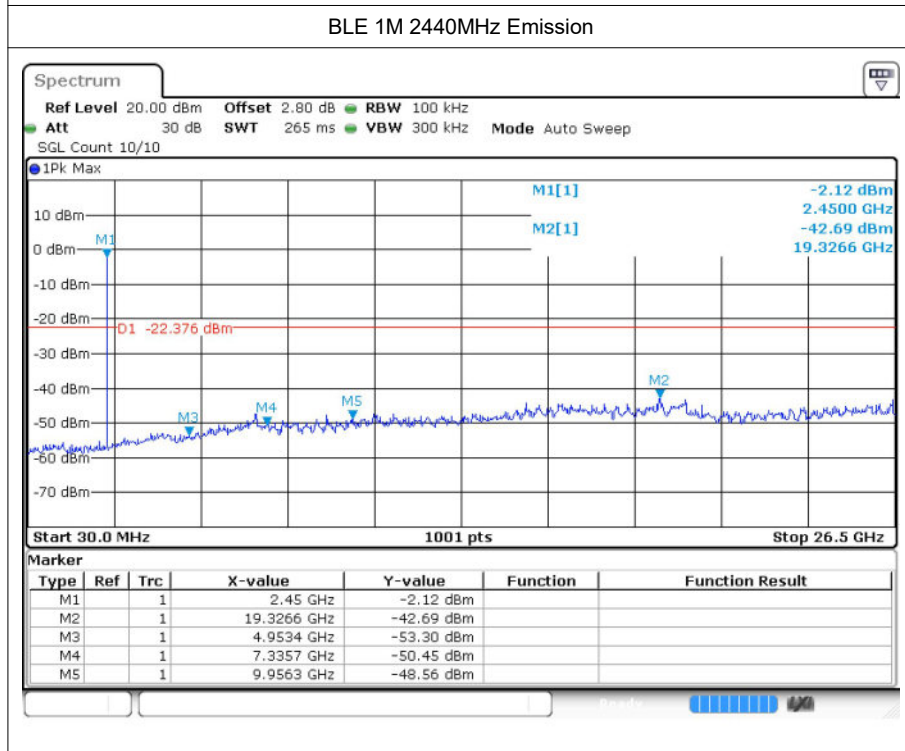
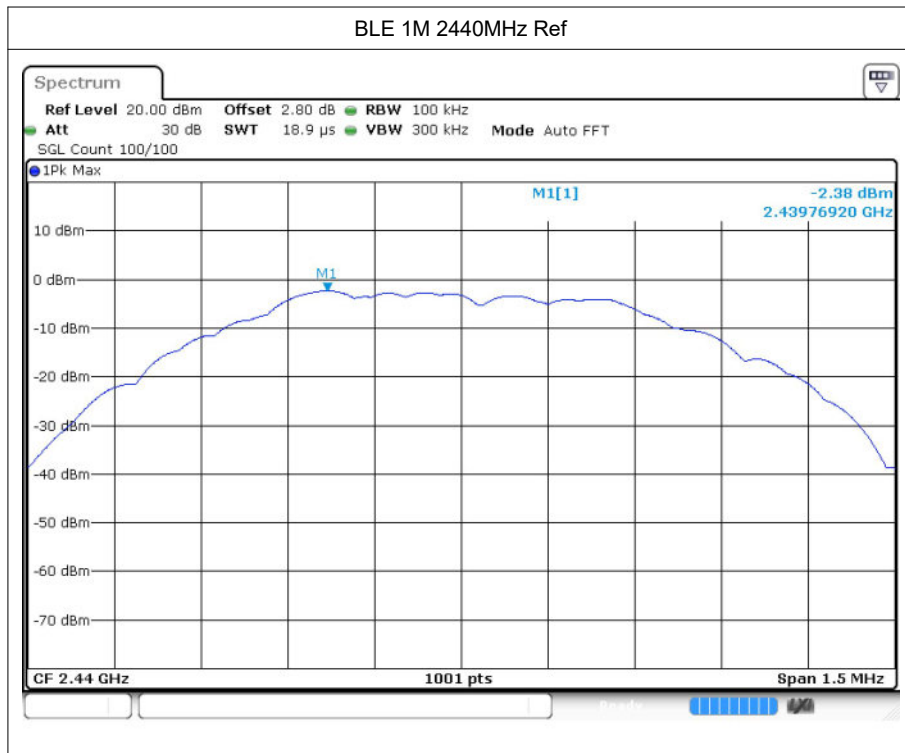
6 Conducted RF Spurious Emission

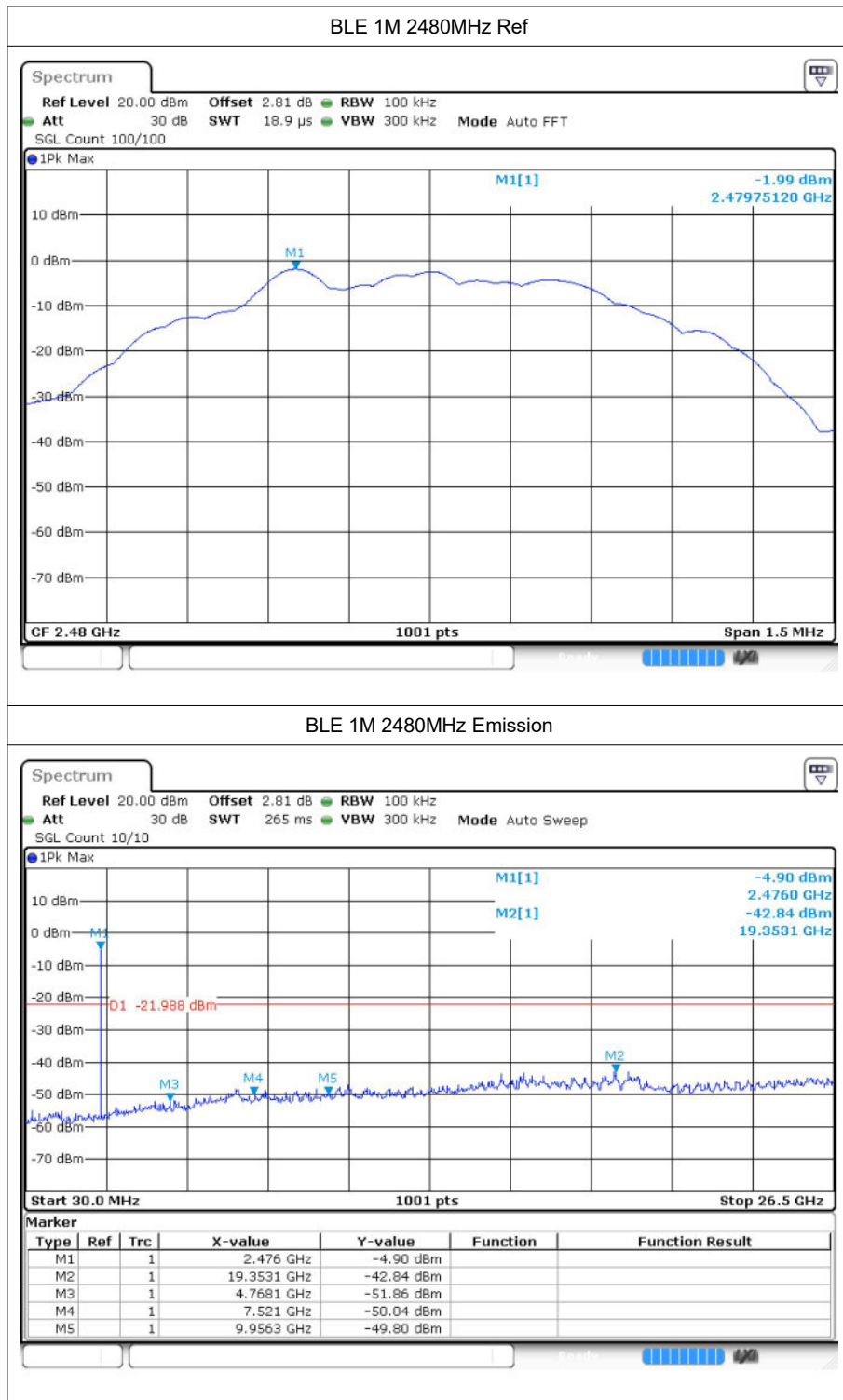
6.1 Test Result

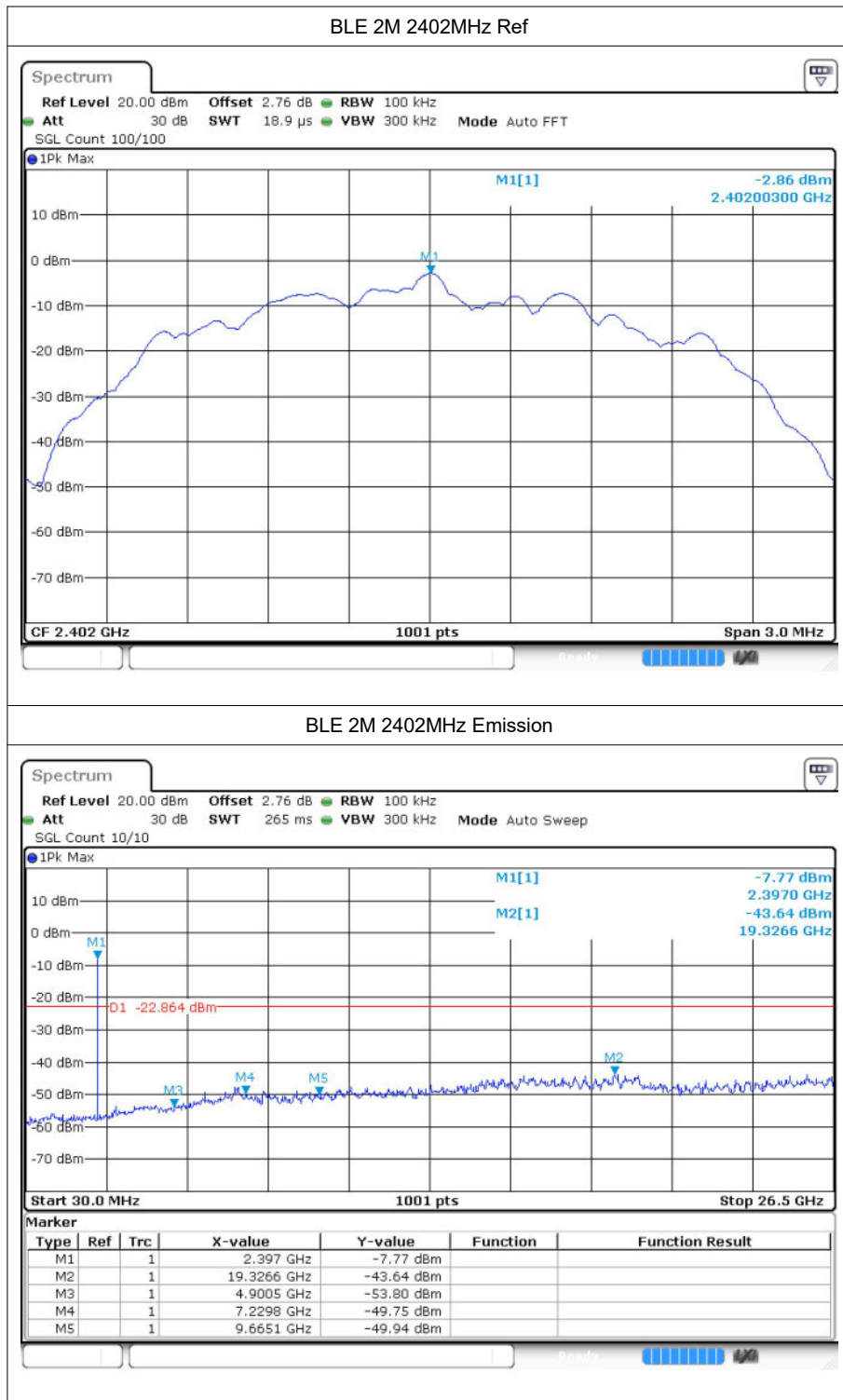
| Mode | Frequency (MHz) | Max Value (dBc) | Limit (dBc) | Verdict |
|--------|-----------------|-----------------|-------------|---------|
| BLE 1M | 2402 | -40.46 | -20 | Pass |
| BLE 1M | 2440 | -40.31 | -20 | Pass |
| BLE 1M | 2480 | -40.84 | -20 | Pass |
| BLE 2M | 2402 | -40.77 | -20 | Pass |
| BLE 2M | 2440 | -41.13 | -20 | Pass |
| BLE 2M | 2480 | -39.06 | -20 | Pass |

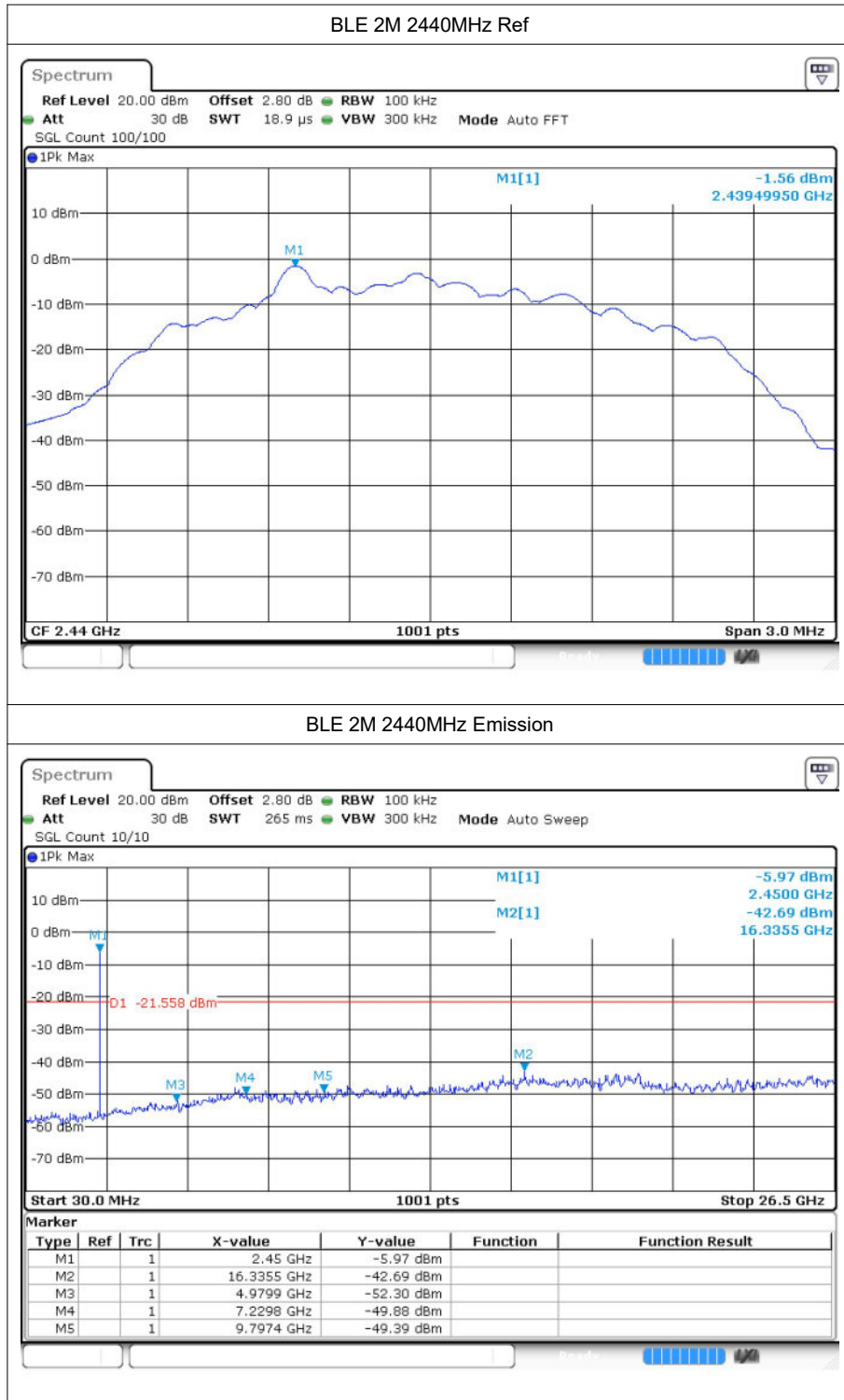
6.2 Test Graphs

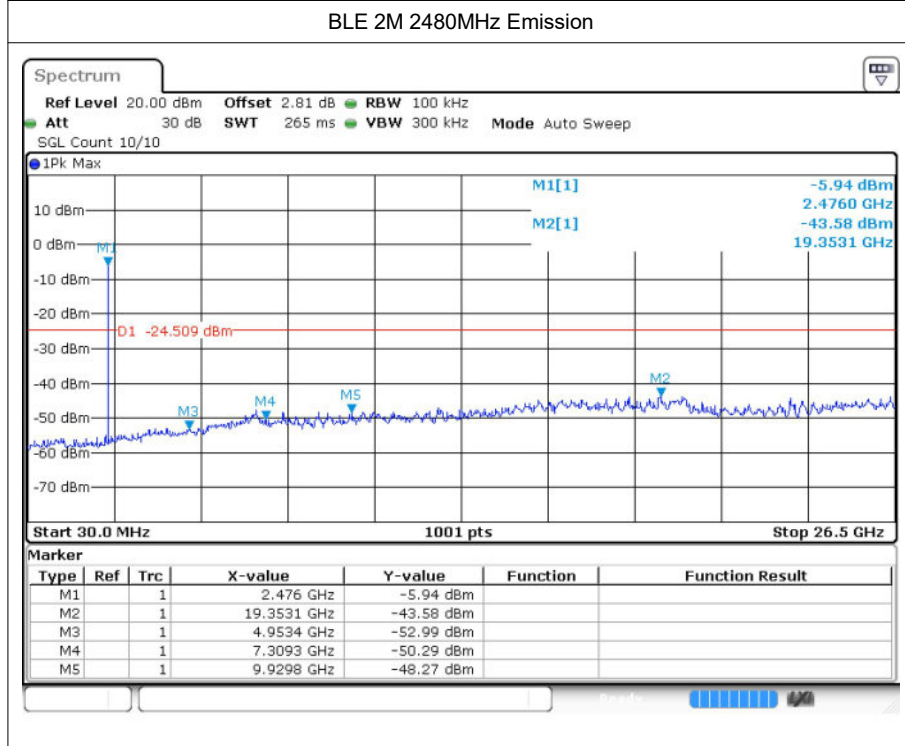
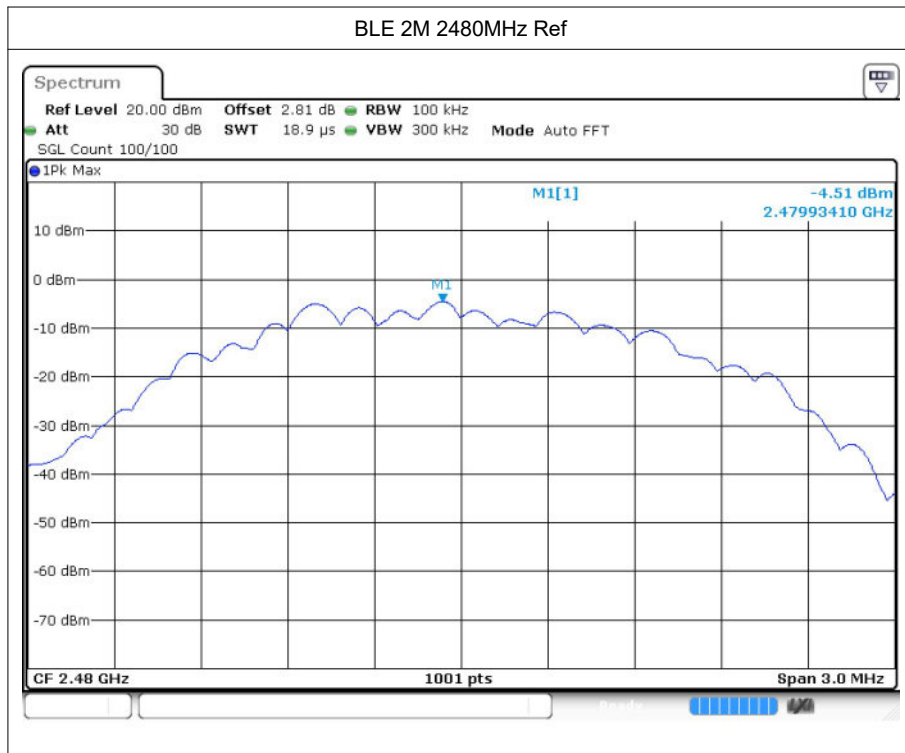












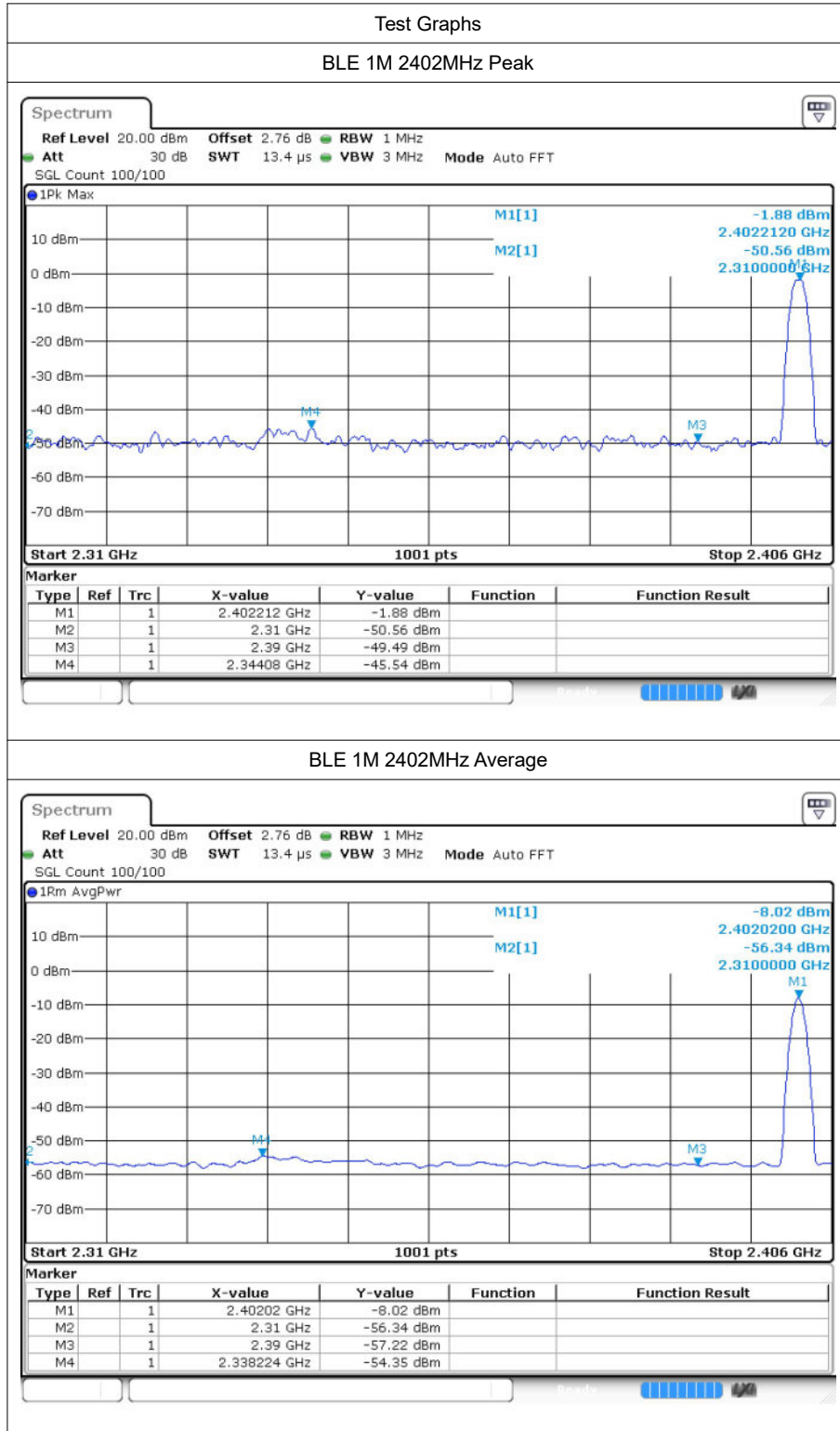


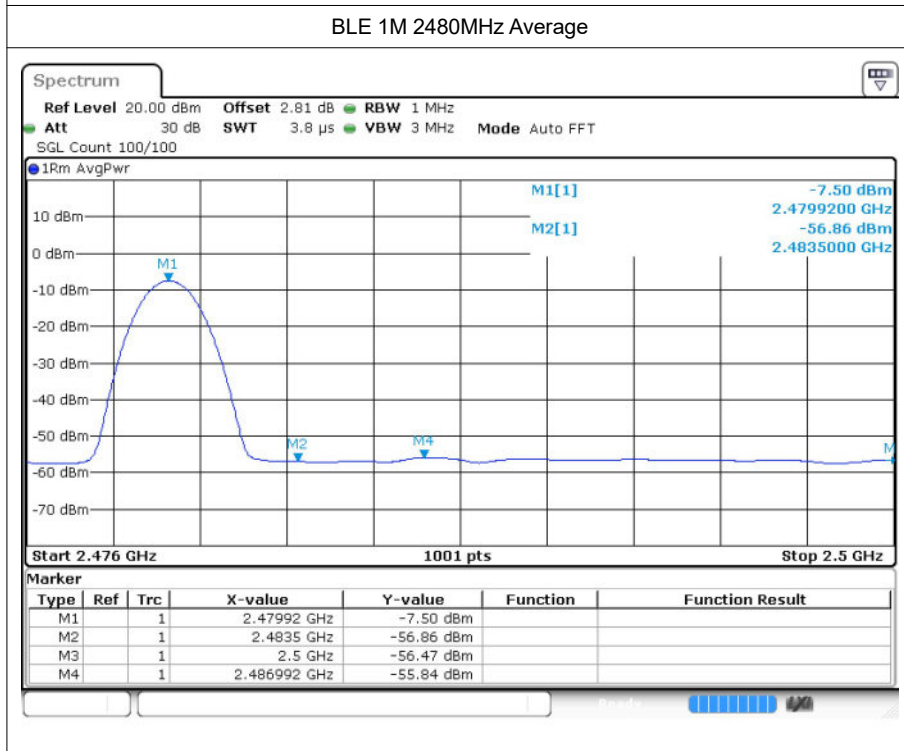
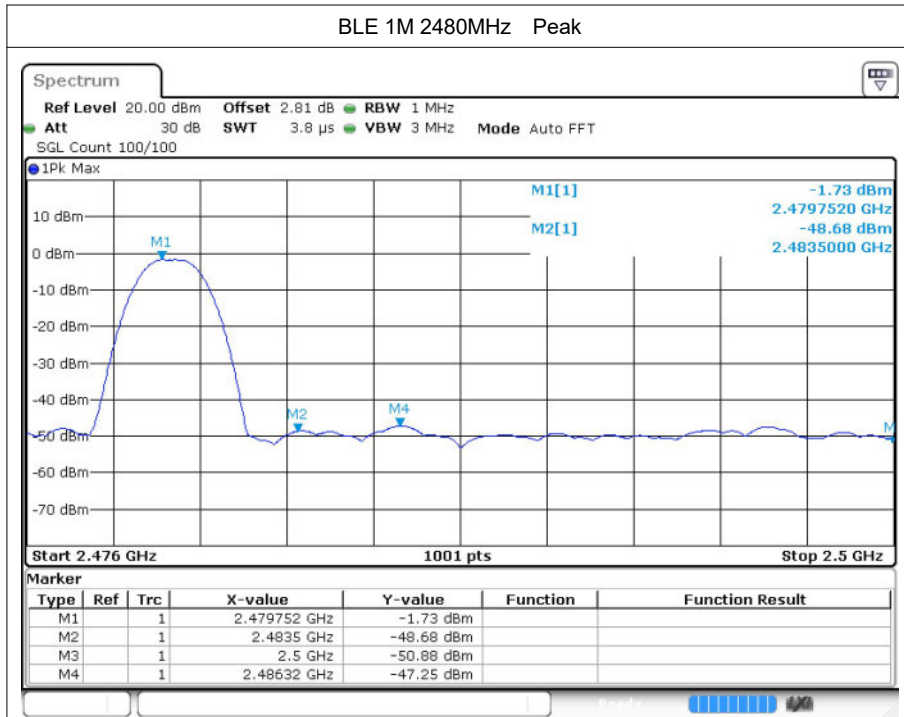
7 Restrict Band

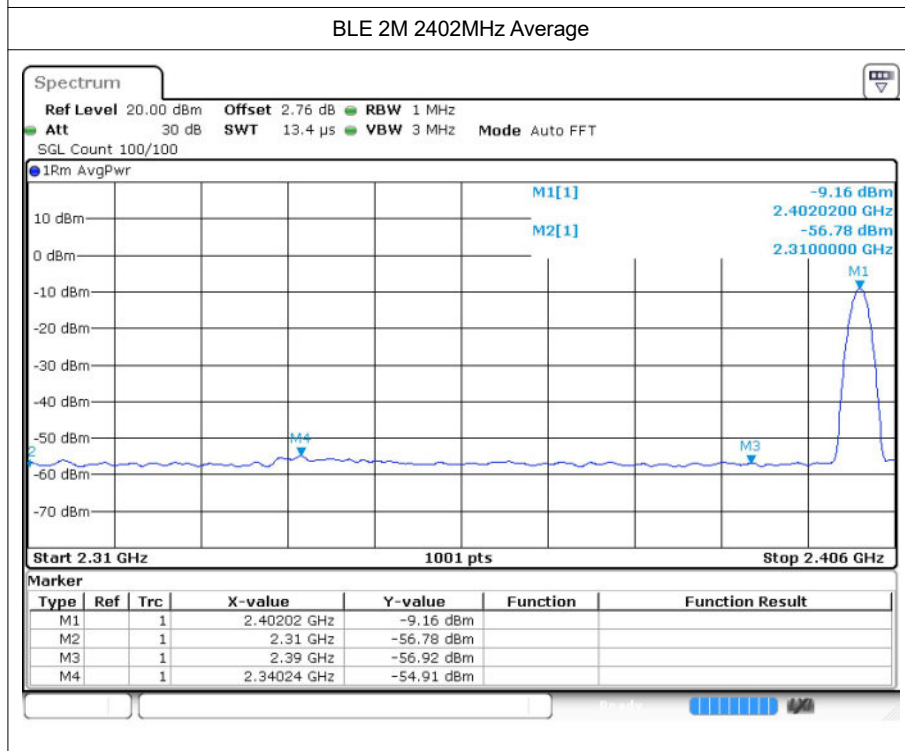
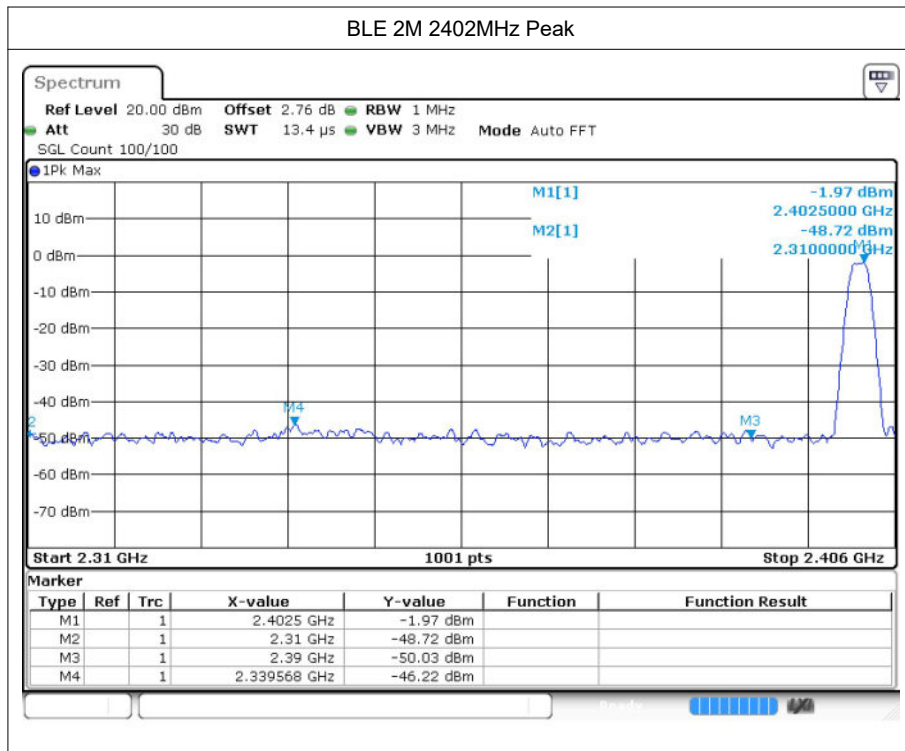
7.1 Test Result

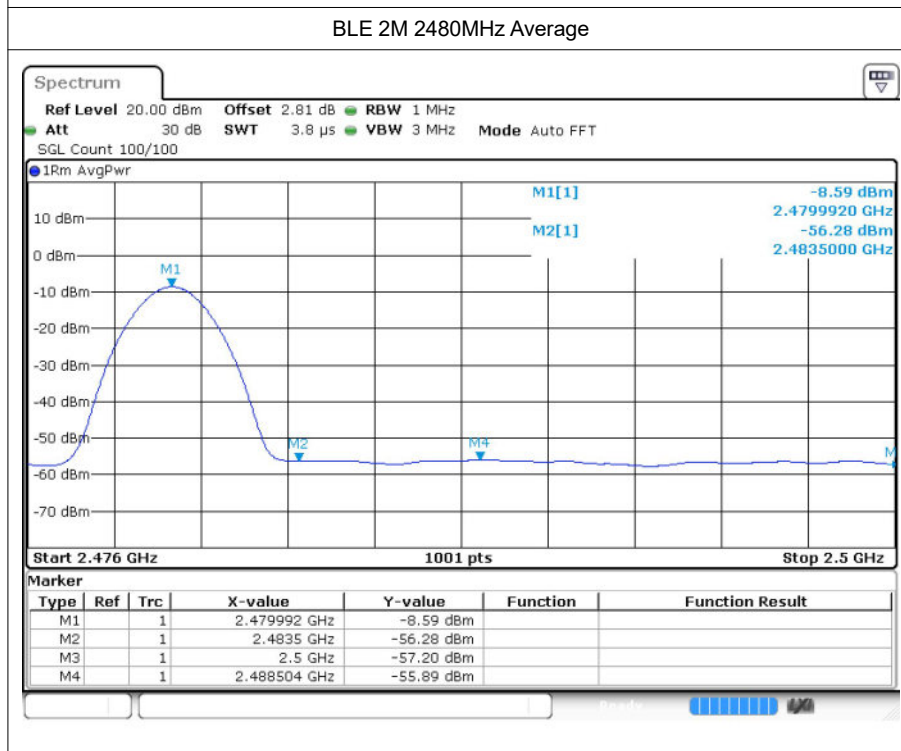
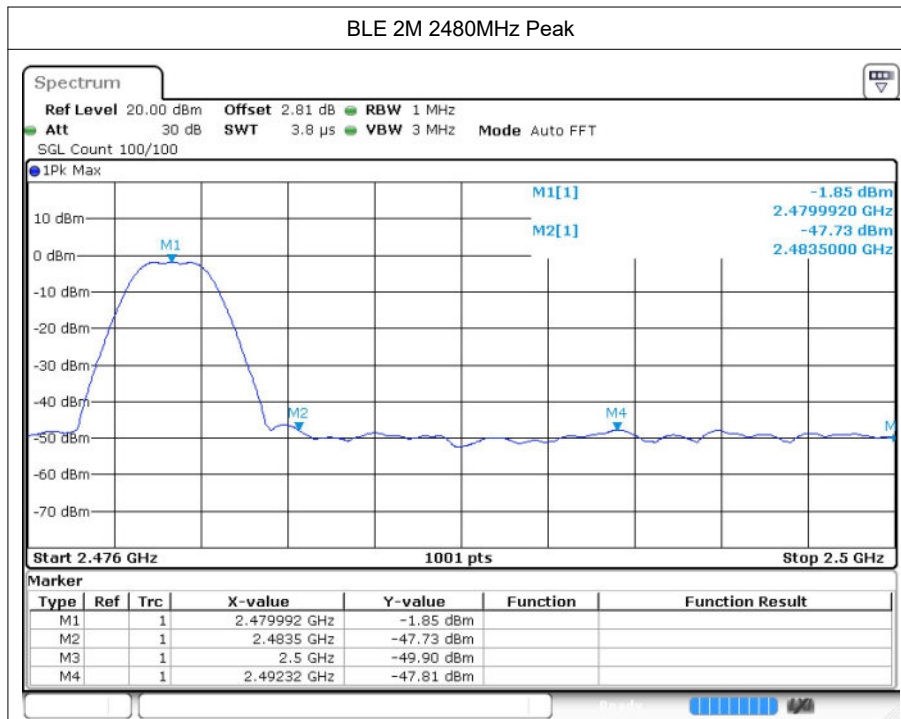
| Mode | Frequency (MHz) | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|--------|-----------------|-----------------|-------------|------------|-------------|------------|----------|----------------|---------|
| BLE 1M | 2402 | 2310 | -50.56 | 2.37 | - | 47.04 | Peak | 74 | Pass |
| BLE 1M | 2402 | 2310 | -56.34 | 2.37 | 4.84 | 46.10 | Average | 54 | Pass |
| BLE 1M | 2402 | 2344.08 | -45.54 | 2.37 | - | 52.06 | Peak | 74 | Pass |
| BLE 1M | 2402 | 2338.224 | -54.35 | 2.37 | 4.84 | 48.09 | Average | 54 | Pass |
| BLE 1M | 2402 | 2390 | -49.49 | 2.37 | - | 48.11 | Peak | 74 | Pass |
| BLE 1M | 2402 | 2390 | -57.22 | 2.37 | 4.84 | 45.22 | Average | 54 | Pass |
| BLE 1M | 2480 | 2483.5 | -48.68 | 2.37 | - | 48.92 | Peak | 74 | Pass |
| BLE 1M | 2480 | 2483.5 | -56.86 | 2.37 | 4.84 | 45.58 | Average | 54 | Pass |
| BLE 1M | 2480 | 2486.32 | -47.24 | 2.37 | - | 50.36 | Peak | 74 | Pass |
| BLE 1M | 2480 | 2486.992 | -55.83 | 2.37 | 4.84 | 46.61 | Average | 54 | Pass |
| BLE 1M | 2480 | 2500 | -50.88 | 2.37 | - | 46.72 | Peak | 74 | Pass |
| BLE 1M | 2480 | 2500 | -56.47 | 2.37 | 4.84 | 45.97 | Average | 54 | Pass |
| BLE 2M | 2402 | 2310 | -48.72 | 2.37 | - | 48.88 | Peak | 74 | Pass |
| BLE 2M | 2402 | 2310 | -56.78 | 2.37 | 4.74 | 45.56 | Average | 54 | Pass |
| BLE 2M | 2402 | 2339.568 | -46.22 | 2.37 | - | 51.38 | Peak | 74 | Pass |
| BLE 2M | 2402 | 2340.24 | -54.9 | 2.37 | 4.74 | 47.44 | Average | 54 | Pass |
| BLE 2M | 2402 | 2390 | -50.03 | 2.37 | - | 47.57 | Peak | 74 | Pass |
| BLE 2M | 2402 | 2390 | -56.92 | 2.37 | 4.74 | 45.42 | Average | 54 | Pass |
| BLE 2M | 2480 | 2483.5 | -47.73 | 2.37 | - | 49.87 | Peak | 74 | Pass |
| BLE 2M | 2480 | 2483.5 | -56.28 | 2.37 | 4.63 | 45.95 | Average | 54 | Pass |
| BLE 2M | 2480 | 2492.32 | -47.8 | 2.37 | - | 49.80 | Peak | 74 | Pass |
| BLE 2M | 2480 | 2488.504 | -55.88 | 2.37 | 4.63 | 46.35 | Average | 54 | Pass |
| BLE 2M | 2480 | 2500 | -49.9 | 2.37 | - | 47.70 | Peak | 74 | Pass |
| BLE 2M | 2480 | 2500 | -57.2 | 2.37 | 4.63 | 45.03 | Average | 54 | Pass |

7.2 Test Graphs









---The End---