

## Appendix B

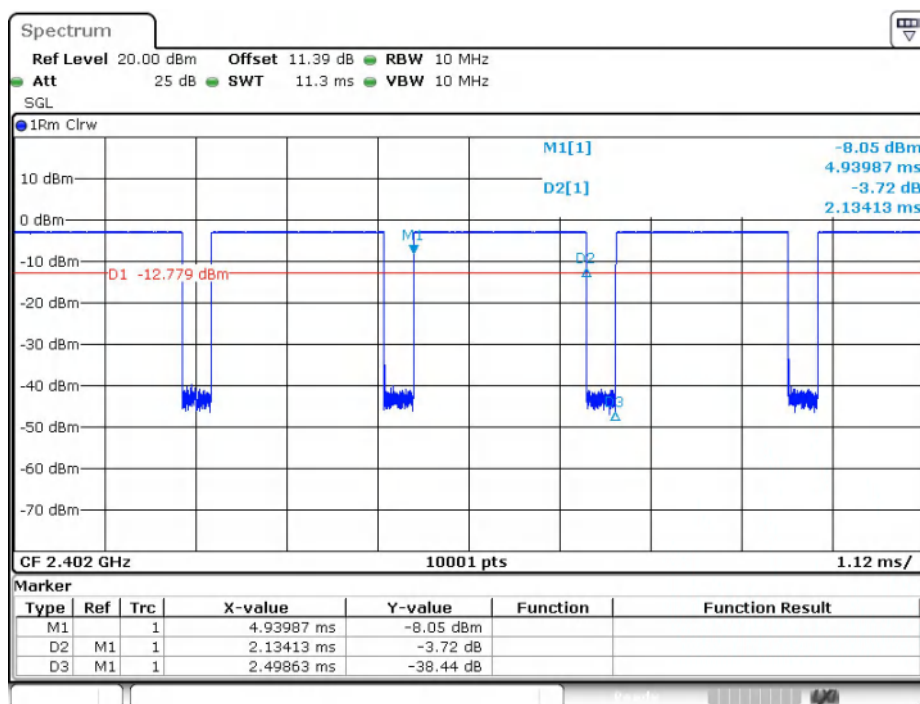
|                |                  |
|----------------|------------------|
| Report No.:    | CISRR24090300902 |
| FCC ID:        | 2BFQI-G61        |
| Product Name:  | keyboard         |
| Model No.:     | G61              |
| Test Engineer: | Lucas Huang      |
| Supervised by: | Rory Huang       |

# 1) Duty Cycle

## Test Result

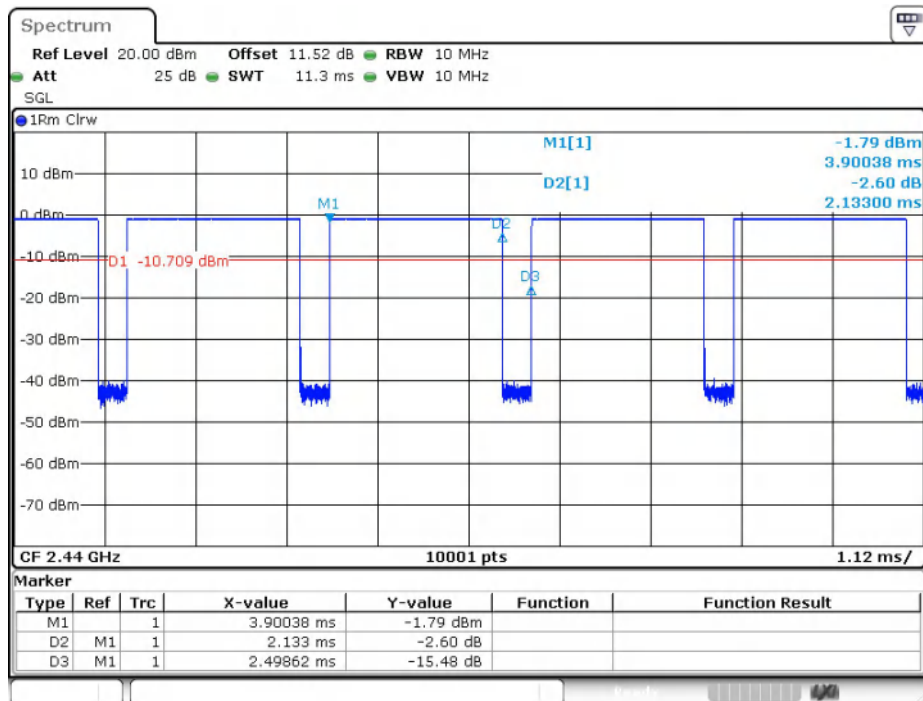
| Mode   | Channel | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) | 1/T  |
|--------|---------|--------------|-------------|----------------|---------------------|------------------------|------|
| BLE 1M | 0       | 2.134        | 2.499       | 85.41          | 0.8541              | 0.6849                 | 0.47 |
|        | 19      | 2.133        | 2.499       | 85.37          | 0.8537              | 0.6869                 | 0.47 |
|        | 39      | 2.133        | 2.499       | 85.37          | 0.8537              | 0.6869                 | 0.47 |

## Test Graphs



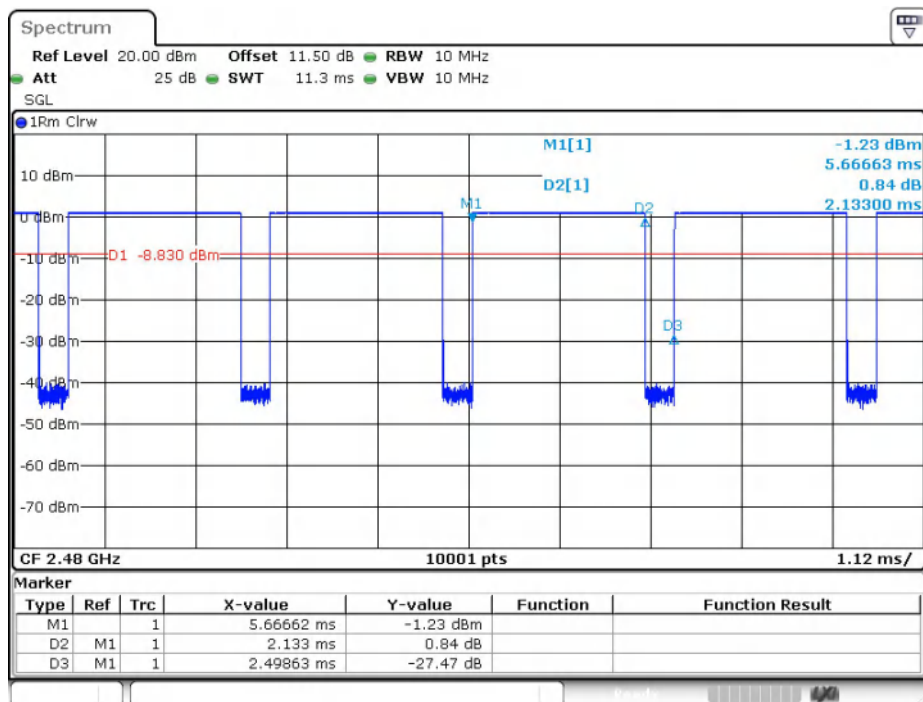
Date: 5.SEP.2024 21:02:52

BLE 1M\_Channel 0



Date: 5.SEP.2024 21:06:30

#### BLE 1M\_Channel 19



Date: 5.SEP.2024 21:09:04

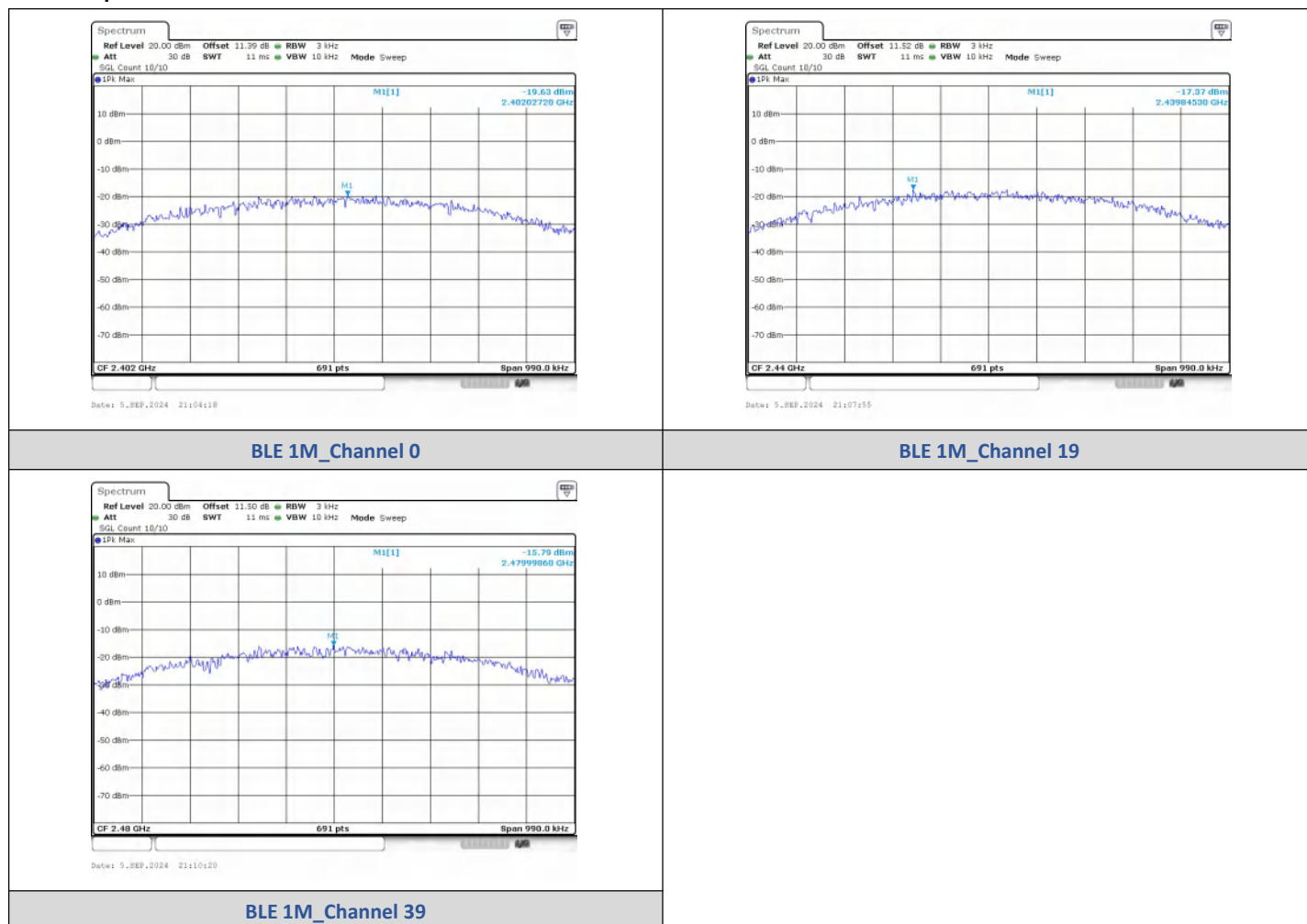
#### BLE 1M\_Channel 39

## 2) Power Spectral Density

### Test Result

| Mode   | Channel | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|--------|---------|----------------|------------------|--------|
| BLE 1M | 0       | -19.63         | ≤8               | PASS   |
| BLE 1M | 19      | -17.37         | ≤8               | PASS   |
| BLE 1M | 39      | -15.79         | ≤8               | PASS   |

### Test Graphs

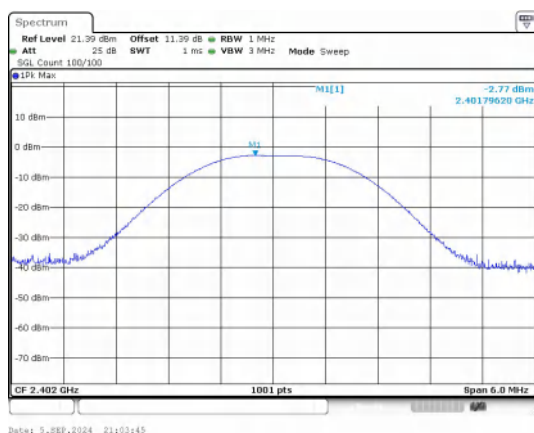


### 3) Conducted Peak Output Power

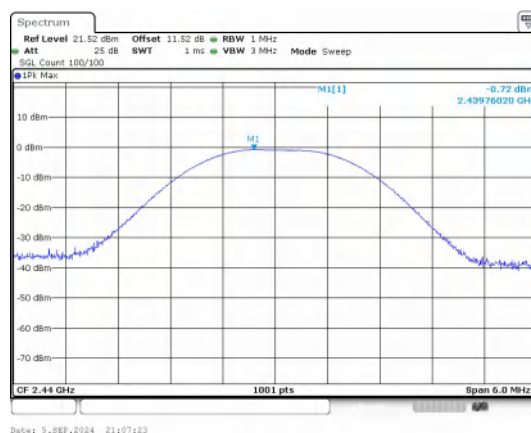
#### Test Result

| Mode   | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (dBm) | Result |
|--------|---------|-------------------------|------------------------|-------------|--------|
| BLE 1M | 0       | -2.77                   | 0.53                   | ≤30         | PASS   |
|        | 19      | -0.72                   | 0.85                   | ≤30         | PASS   |
|        | 39      | 1.18                    | 1.31                   | ≤30         | PASS   |

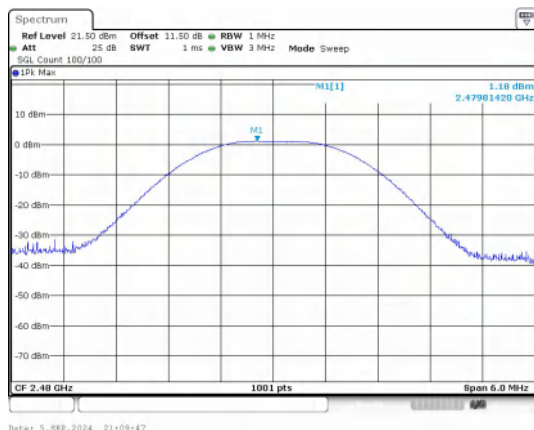
#### Test Graphs



Peak Output Power  
BLE 1M\_Channel 0



Peak Output Power  
BLE 1M\_Channel 19



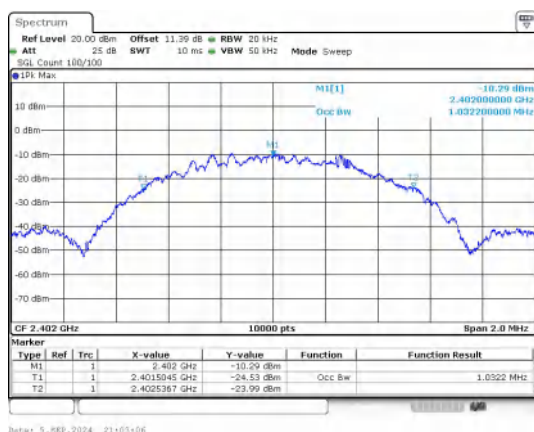
Peak Output Power  
BLE 1M\_Channel 39

## 4) 99% Bandwidth

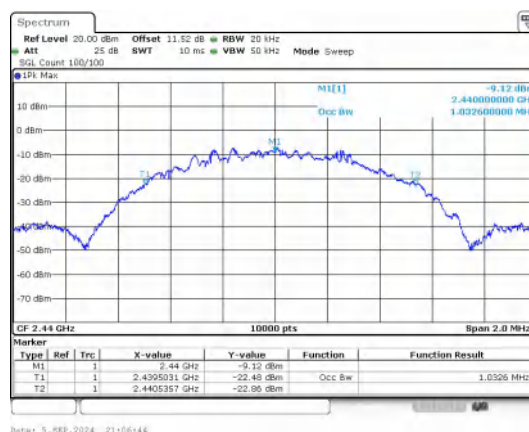
### Test Result

| Mode   | Channel | Center Frequency (MHz) | 99% BW (MHz) |
|--------|---------|------------------------|--------------|
| BLE 1M | 0       | 2402                   | 1.0322       |
| BLE 1M | 19      | 2440                   | 1.0326       |
| BLE 1M | 39      | 2480                   | 1.0298       |

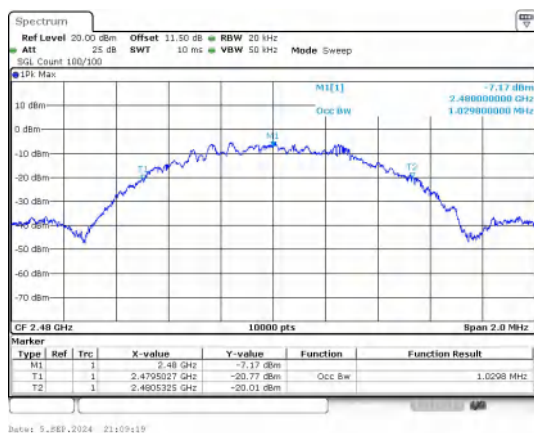
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



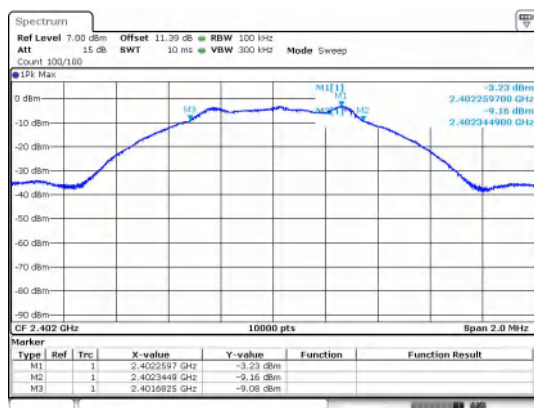
BLE 1M\_Channel 39

## 5) 6dB Bandwidth

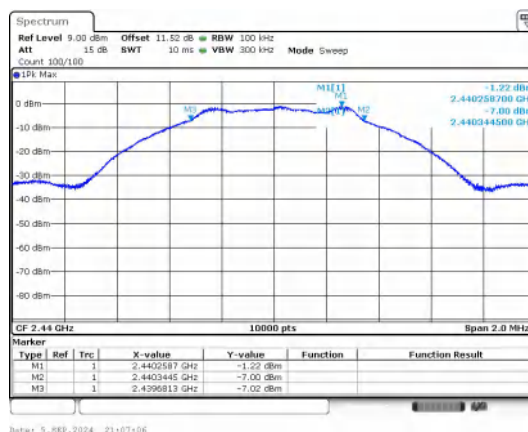
### Test Result

| Mode   | Channel | Center Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) | Result |
|--------|---------|------------------------|----------------------|-------------|--------|
| BLE 1M | 0       | 2402                   | 0.6600               | ≥0.5        | PASS   |
|        | 19      | 2440                   | 0.6600               |             | PASS   |
|        | 39      | 2480                   | 0.6600               |             | PASS   |

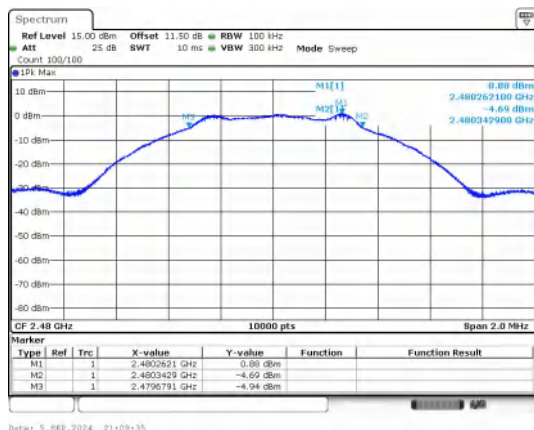
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



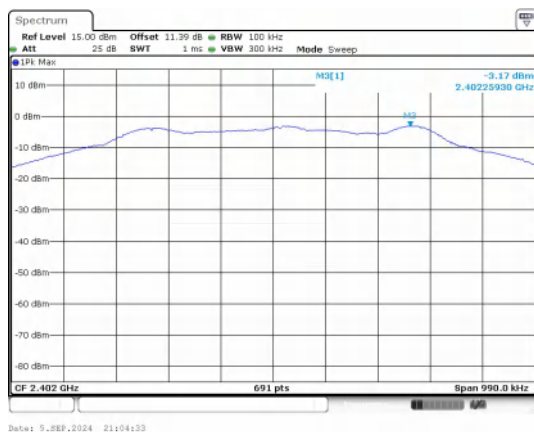
BLE 1M\_Channel 39

## 6) Conducted Out Of Band Emission

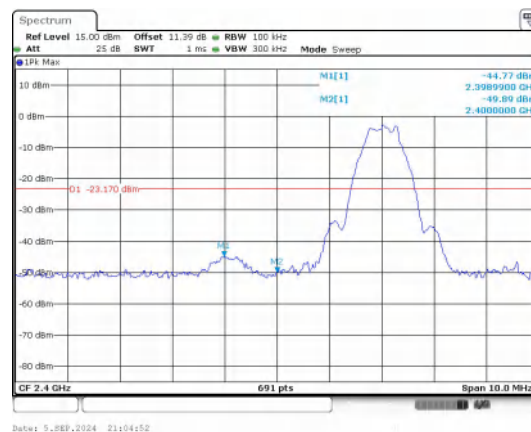
### Test Result

| Mode   | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|--------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| BLE 1M | 0       | 2398.99                      | -44.767                  | -23.17      | -21.597         | PASS   |
|        |         | 2400.00                      | -49.894                  | -23.17      | -26.724         | PASS   |
|        |         | 3498.70                      | -43.560                  | -23.17      | -20.390         | PASS   |
|        | 19      | 9753.73                      | -40.844                  | -21.1       | -19.744         | PASS   |
|        | 39      | 2483.50                      | -48.028                  | -19.13      | -28.898         | PASS   |
|        |         | 9914.37                      | -41.971                  | -19.13      | -22.841         | PASS   |

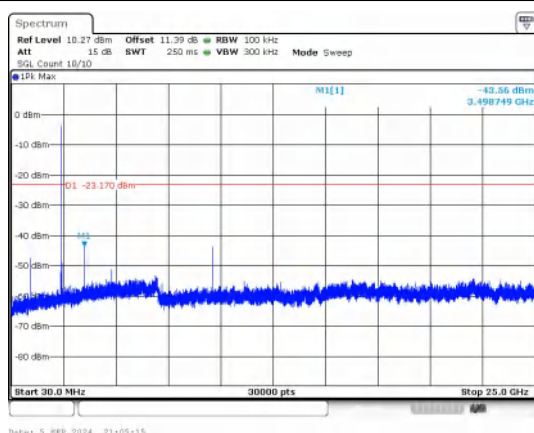
### Test Graphs



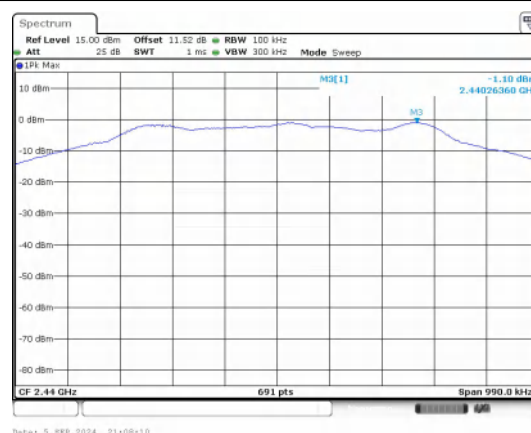
**In-Band Reference Level**  
**BLE 1M\_Channel 0**



**Out Of Band Emission**  
**BLE 1M\_Channel 0**

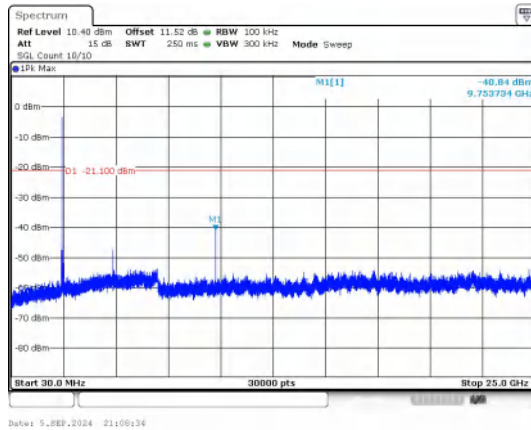


**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 0**

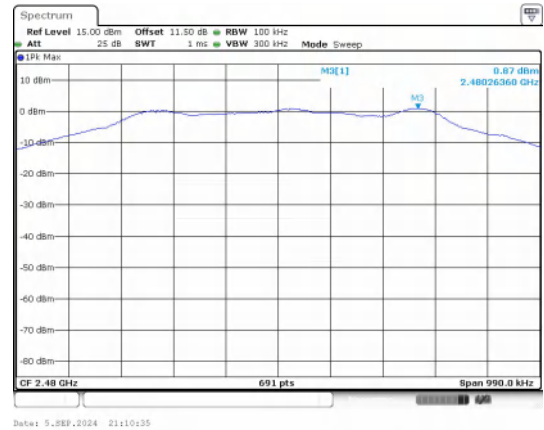


**In-Band Reference Level**  
**BLE 1M\_Channel 19**

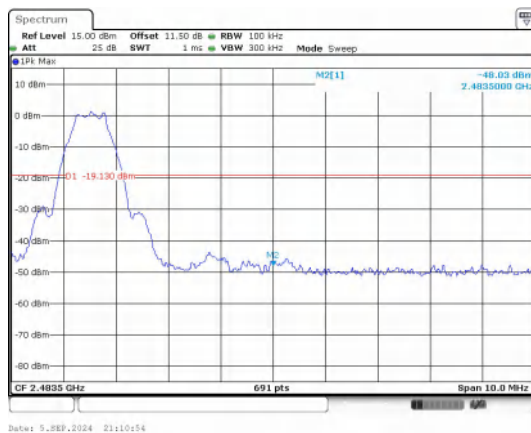




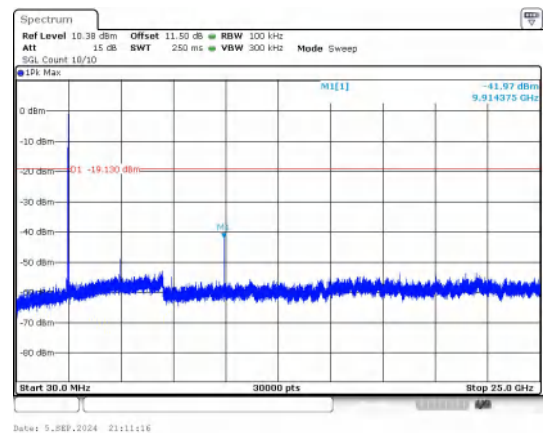
30.0 MHz - 25000.0 MHz  
BLE 1M\_Channel 19



In-Band Reference Level  
BLE 1M\_Channel 39



Out Of Band Emission  
BLE 1M\_Channel 39



30.0 MHz - 25000.0 MHz  
BLE 1M\_Channel 39