

## Appendix B

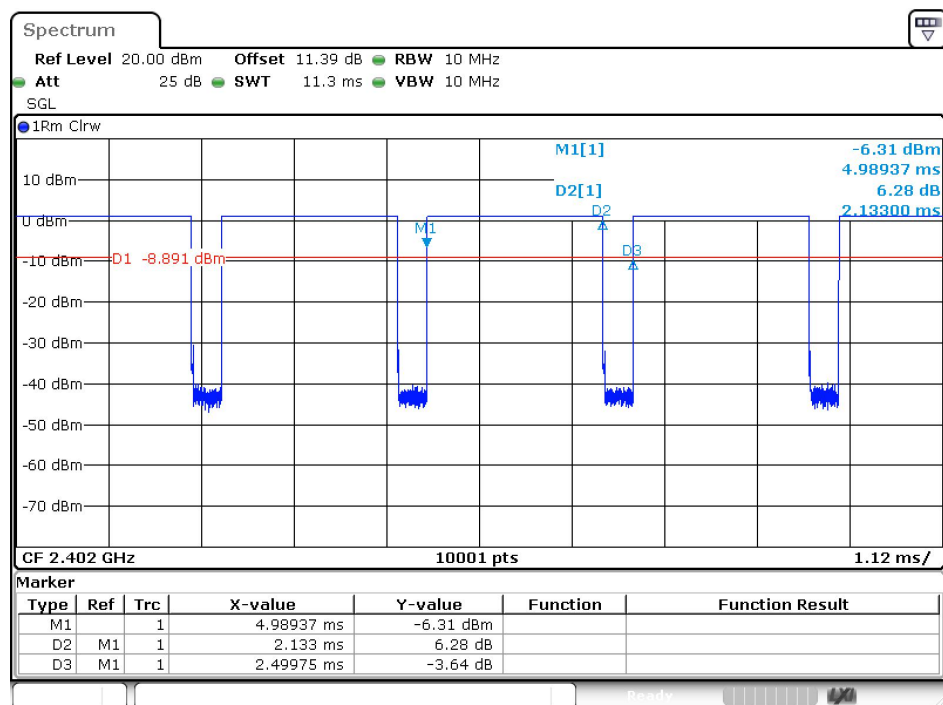
|                |                        |
|----------------|------------------------|
| Report No.:    | CISRR24082215102       |
| FCC ID:        | 2A3VP-Q13              |
| Product Name:  | Mobile Game Controller |
| Model No.:     | Q13                    |
| Test Engineer: | Jimmy Huang            |
| Supervised by: | Rory Huang             |

## 1) Duty Cycle

### Test Result

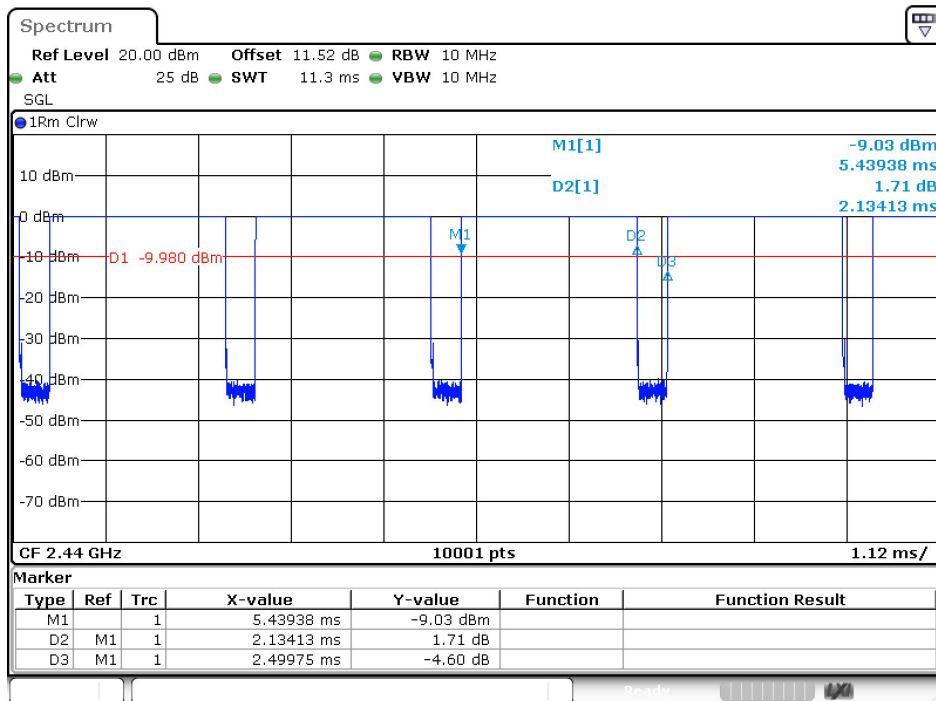
| Mode   | Channel | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) | 1/T  |
|--------|---------|--------------|-------------|----------------|---------------------|------------------------|------|
| BLE 1M | 0       | 2.133        | 2.500       | 85.33          | 0.8533              | 0.689                  | 0.47 |
|        | 19      | 2.134        | 2.500       | 85.37          | 0.8537              | 0.6869                 | 0.47 |
|        | 39      | 2.133        | 2.500       | 85.33          | 0.8533              | 0.689                  | 0.47 |

### Test Graphs



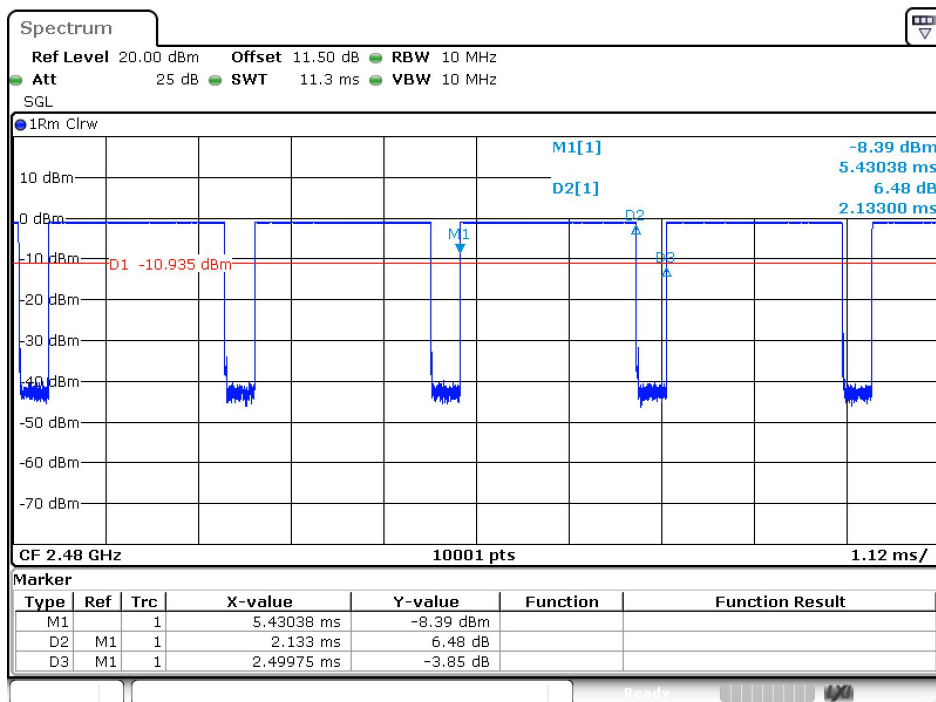
Date: 3.SEP.2024 18:35:50

BLE 1M\_Channel 0



Date: 3.SEP.2024 18:38:41

### BLE 1M\_Channel 19



Date: 3.SEP.2024 18:41:26

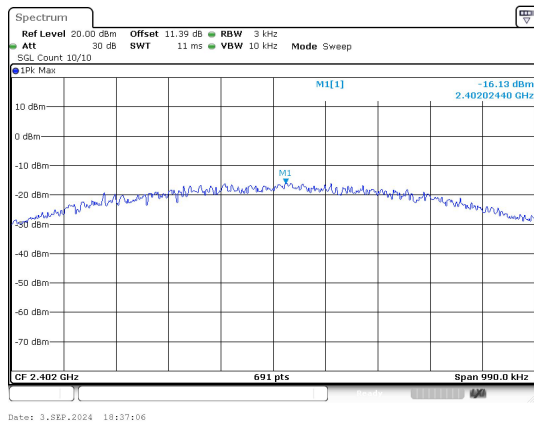
### BLE 1M\_Channel 39

## 2) Power Spectral Density

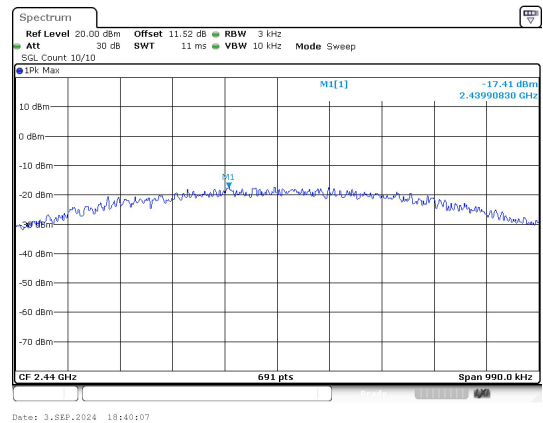
### Test Result

| Mode   | Channel | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|--------|---------|----------------|------------------|--------|
| BLE 1M | 0       | -16.129        | ≤8               | PASS   |
| BLE 1M | 19      | -17.412        | ≤8               | PASS   |
| BLE 1M | 39      | -17.679        | ≤8               | PASS   |

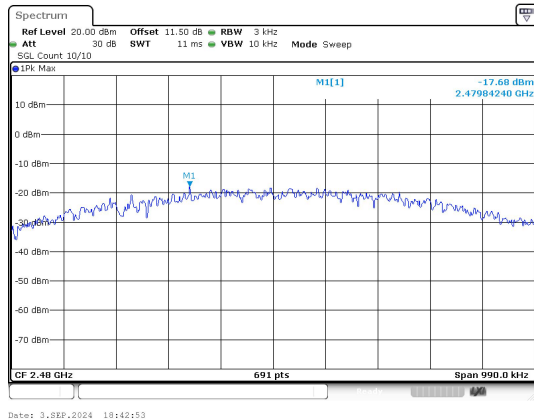
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



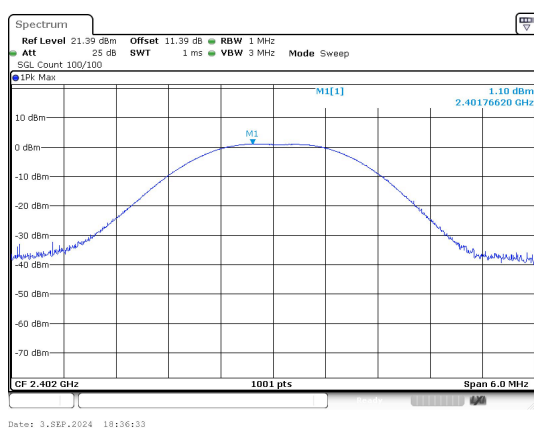
BLE 1M\_Channel 39

### 3) Conducted Peak Output Power

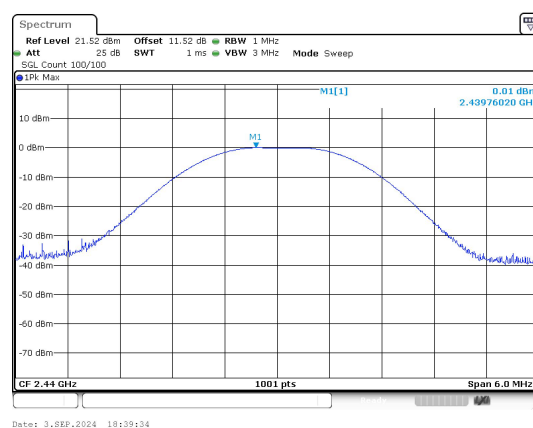
#### Test Result

| Mode   | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (dBm) | Result |
|--------|---------|-------------------------|------------------------|-------------|--------|
| BLE 1M | 0       | 1.10                    | 1.29                   | ≤30         | PASS   |
|        | 19      | 0.01                    | 1.0                    | ≤30         | PASS   |
|        | 39      | -0.95                   | 0.8                    | ≤30         | PASS   |

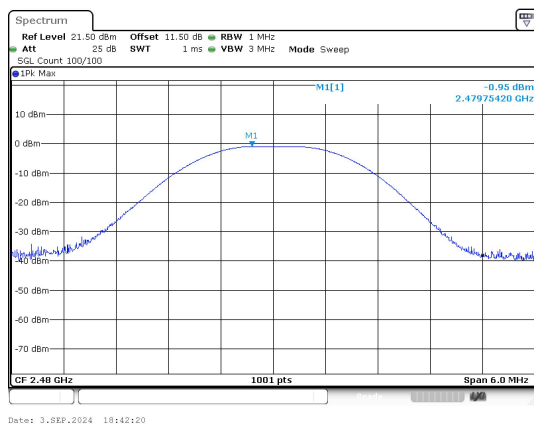
#### Test Graphs



Peak Output Power  
BLE 1M\_Channel 0



Peak Output Power  
BLE 1M\_Channel 19



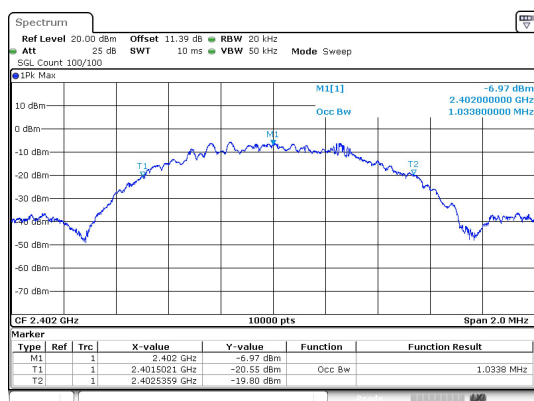
Peak Output Power  
BLE 1M\_Channel 39

## 4) 99% Bandwidth

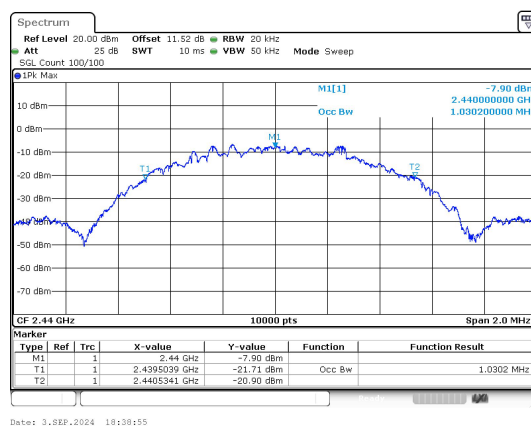
### Test Result

| Mode   | Channel | Center Frequency (MHz) | 99% BW (MHz) |
|--------|---------|------------------------|--------------|
| BLE 1M | 0       | 2402                   | 1.0338       |
| BLE 1M | 19      | 2440                   | 1.0302       |
| BLE 1M | 39      | 2480                   | 1.0308       |

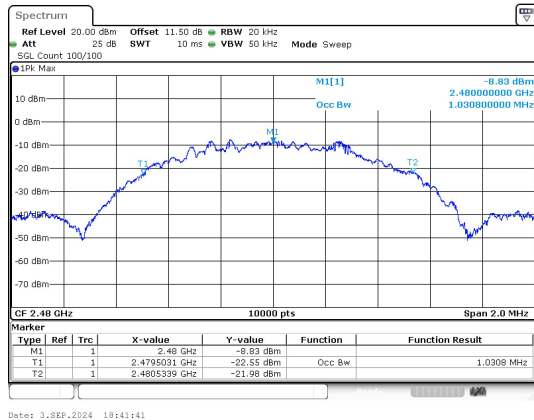
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



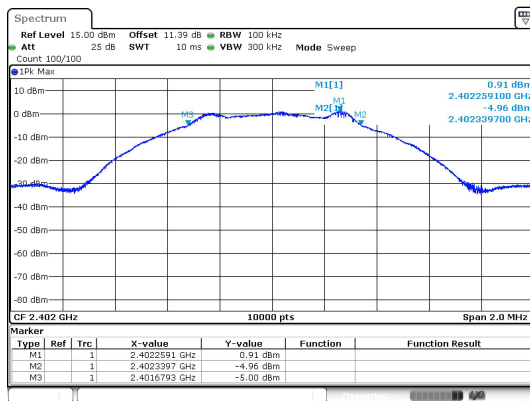
BLE 1M\_Channel 39

## 5) 6dB Bandwidth

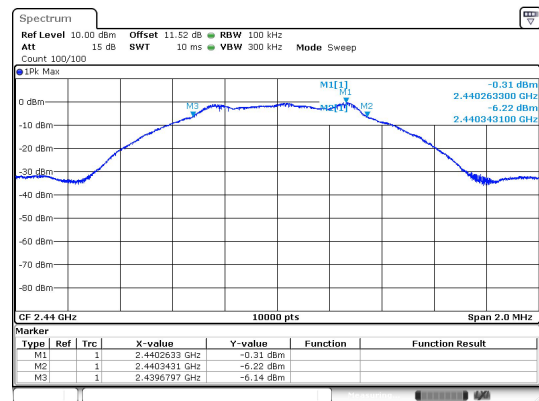
### Test Result

| 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



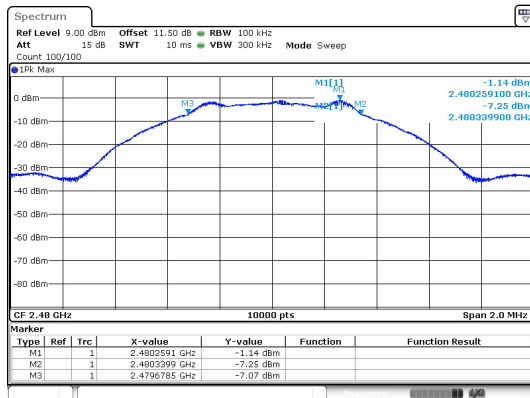
Date: 3.SEP.2024 18:36:20



Date: 3.SEP.2024 18:39:18

BLE 1M\_Channel 0

BLE 1M\_Channel 19



Date: 3.SEP.2024 18:42:03

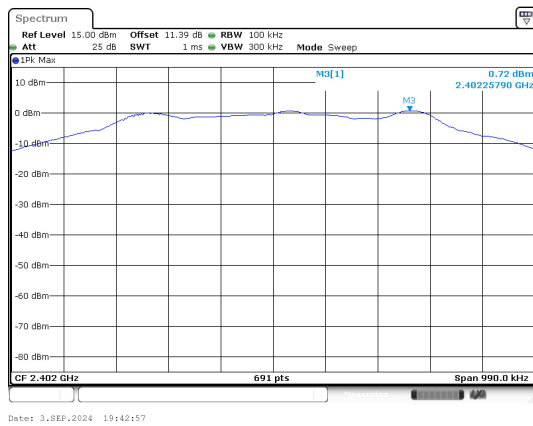
BLE 1M\_Channel 39

## 6) Conducted Out Of Band Emission

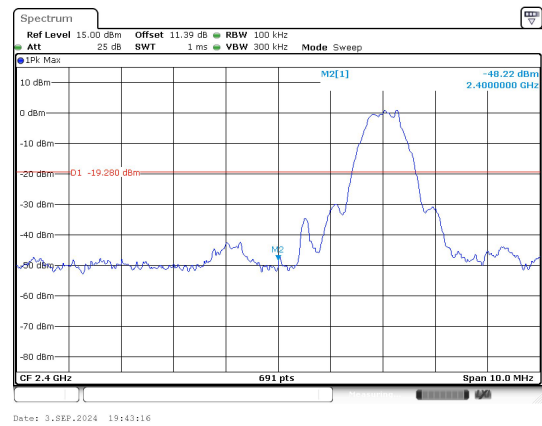
### Test Result

| Mode   | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|--------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| BLE 1M | 0       | 2399.00                      | -42.823                  | -19.28      | -23.543         | PASS   |
|        |         | 2400.00                      | -48.219                  | -19.28      | -28.939         | PASS   |
|        |         | 7205.10                      | -39.988                  | -19.28      | -20.708         | PASS   |
|        | 19      | 7319.16                      | -37.247                  | -20.21      | -17.037         | PASS   |
|        | 39      | 2483.50                      | -47.337                  | -21.21      | -26.127         | PASS   |
|        |         | 9914.37                      | -45.313                  | -21.21      | -24.103         | PASS   |

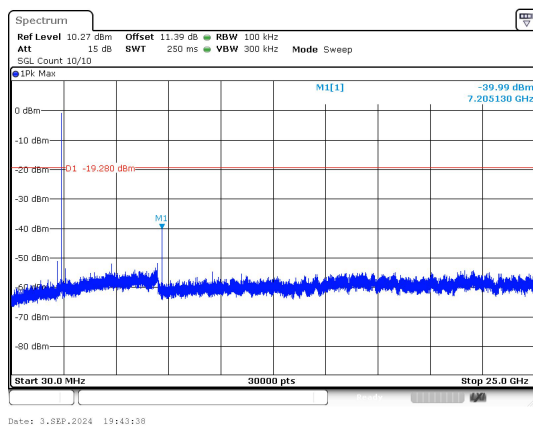
### Test Graphs



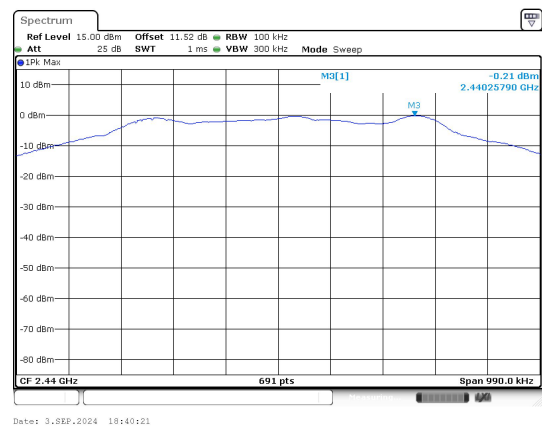
**In-Band Reference Level**  
**BLE 1M\_Channel 0**



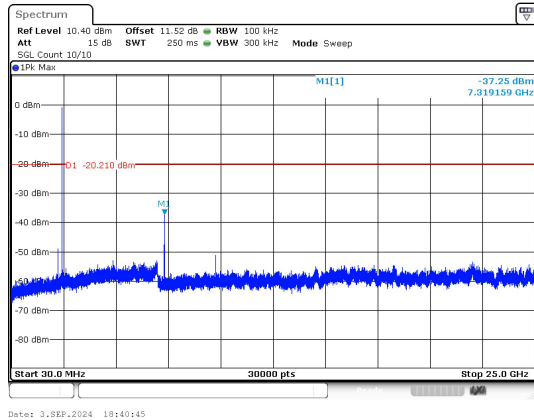
**Out Of Band Emission**  
**BLE 1M\_Channel 0**



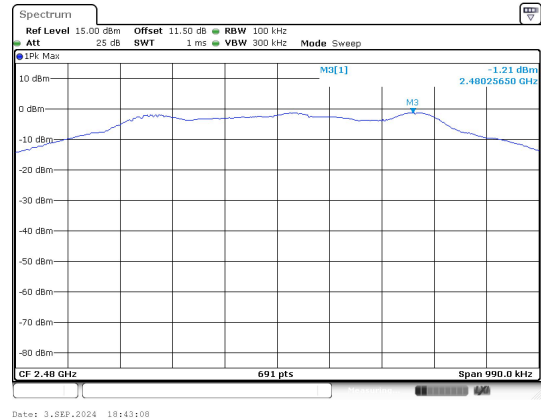
**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 0**



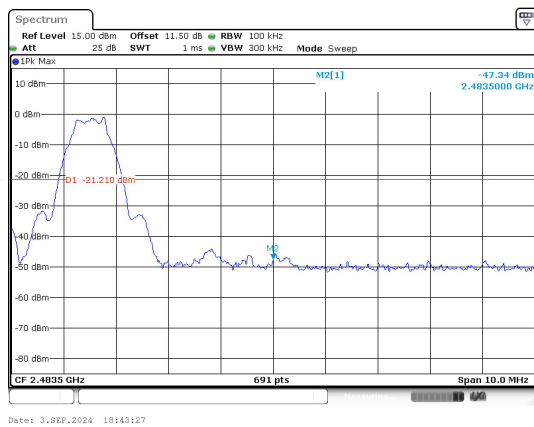
**In-Band Reference Level**  
**BLE 1M\_Channel 19**



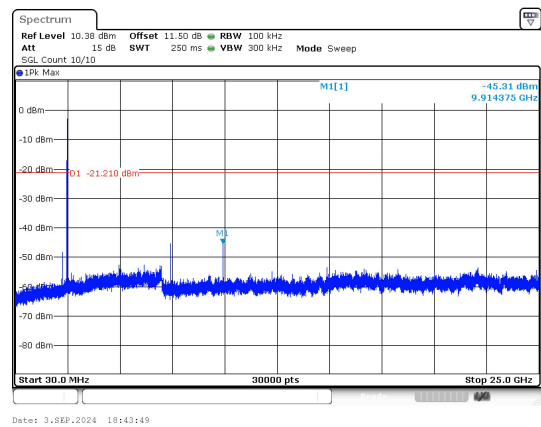
30.0 MHz - 25000.0 MHz  
BLE 1M\_Channel 19



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