

## Appendix B

|                |                          |
|----------------|--------------------------|
| Report No.:    | CISRR24012915202         |
| FCC ID:        | 2BEVZ-X5                 |
| Product Name:  | soundbox with microphone |
| Model No.:     | X5                       |
| Test Engineer: | Lucas Huang              |
| Supervised by: | Rory Huang               |

## Conducted Peak Output Power

### Test Result

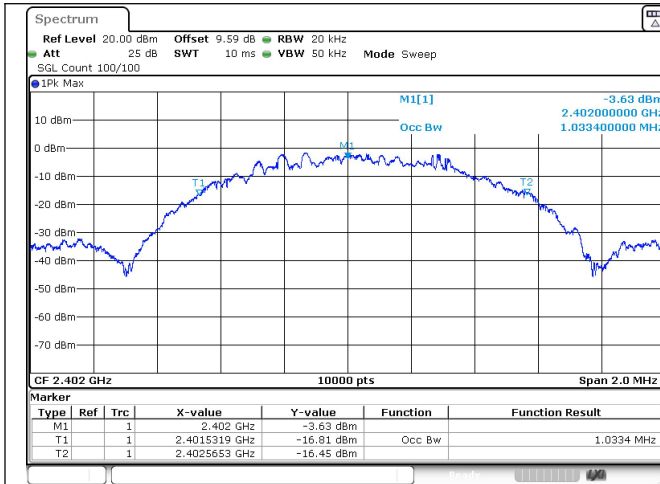
| Mode | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (dBm) | Result |
|------|---------|-------------------------|------------------------|-------------|--------|
| LE   | 0       | 5.036                   | 3.19                   | 30          | PASS   |
|      | 19      | 5.095                   | 3.23                   | 30          | PASS   |
|      | 39      | 5.009                   | 3.17                   | 30          | PASS   |

## 99% Bandwidth

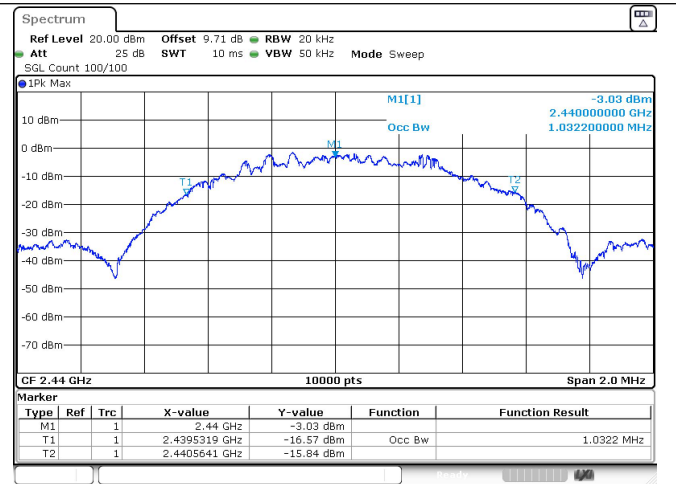
### Test Result

| Mode | Channel | 99% BW (MHz) |
|------|---------|--------------|
| LE   | 0       | 1.0330       |
| LE   | 19      | 1.0320       |
| LE   | 39      | 1.0310       |

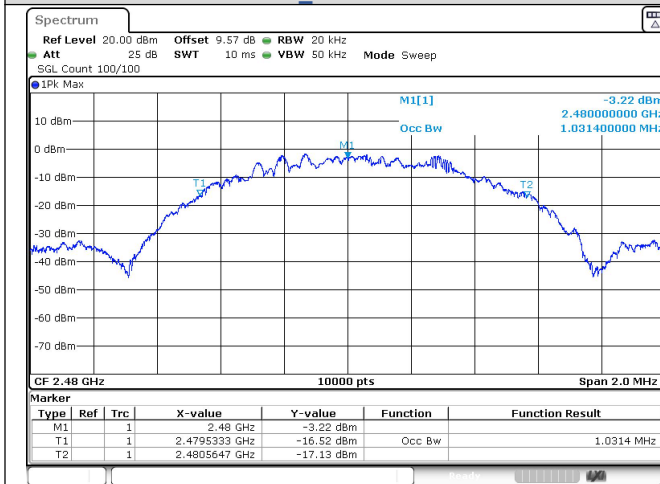
### Test Graphs



LE\_Channel 0



LE\_Channel 19



LE\_Channel 39

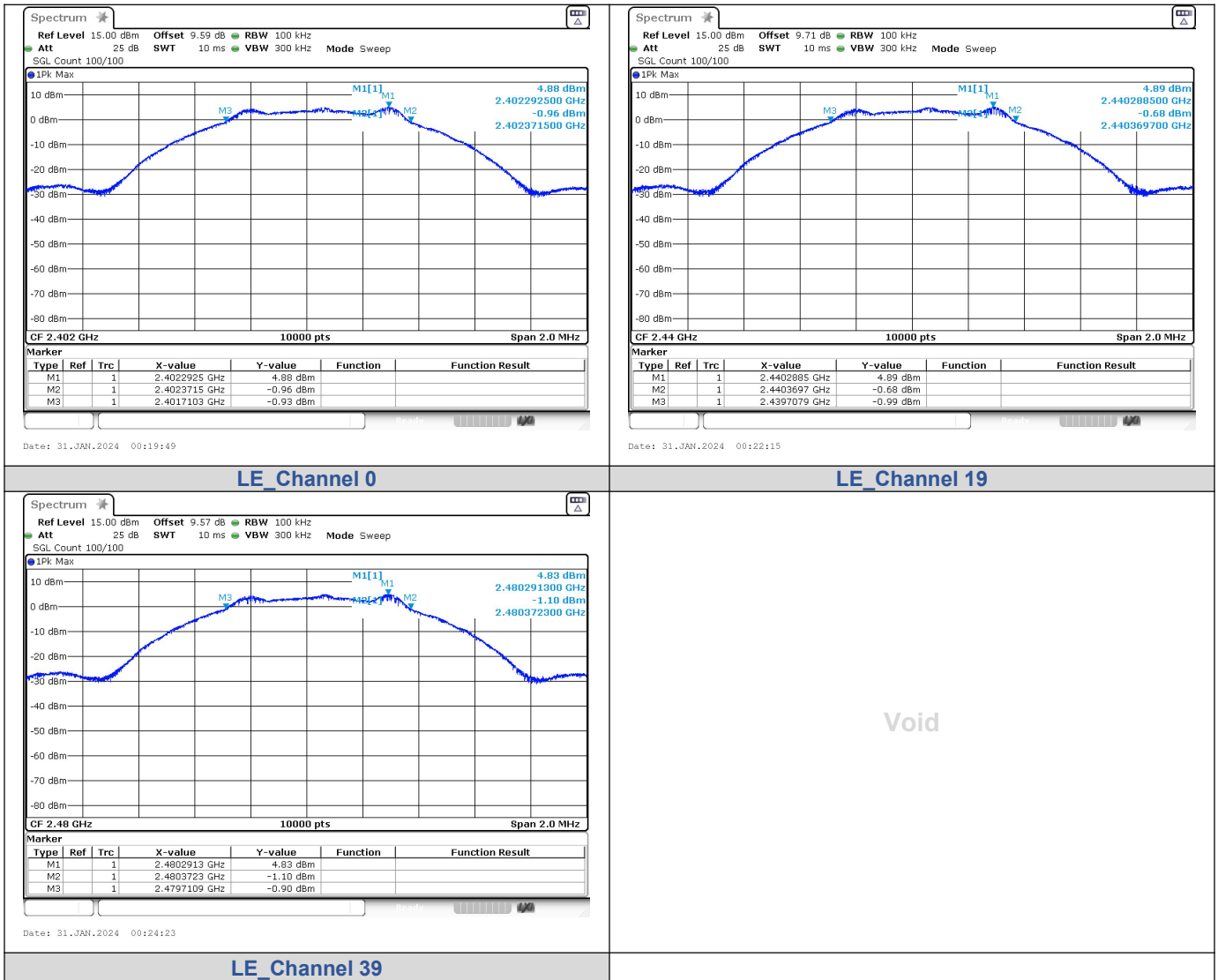
Void

## 6dB Bandwidth

### Test Result

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

### Test Graphs

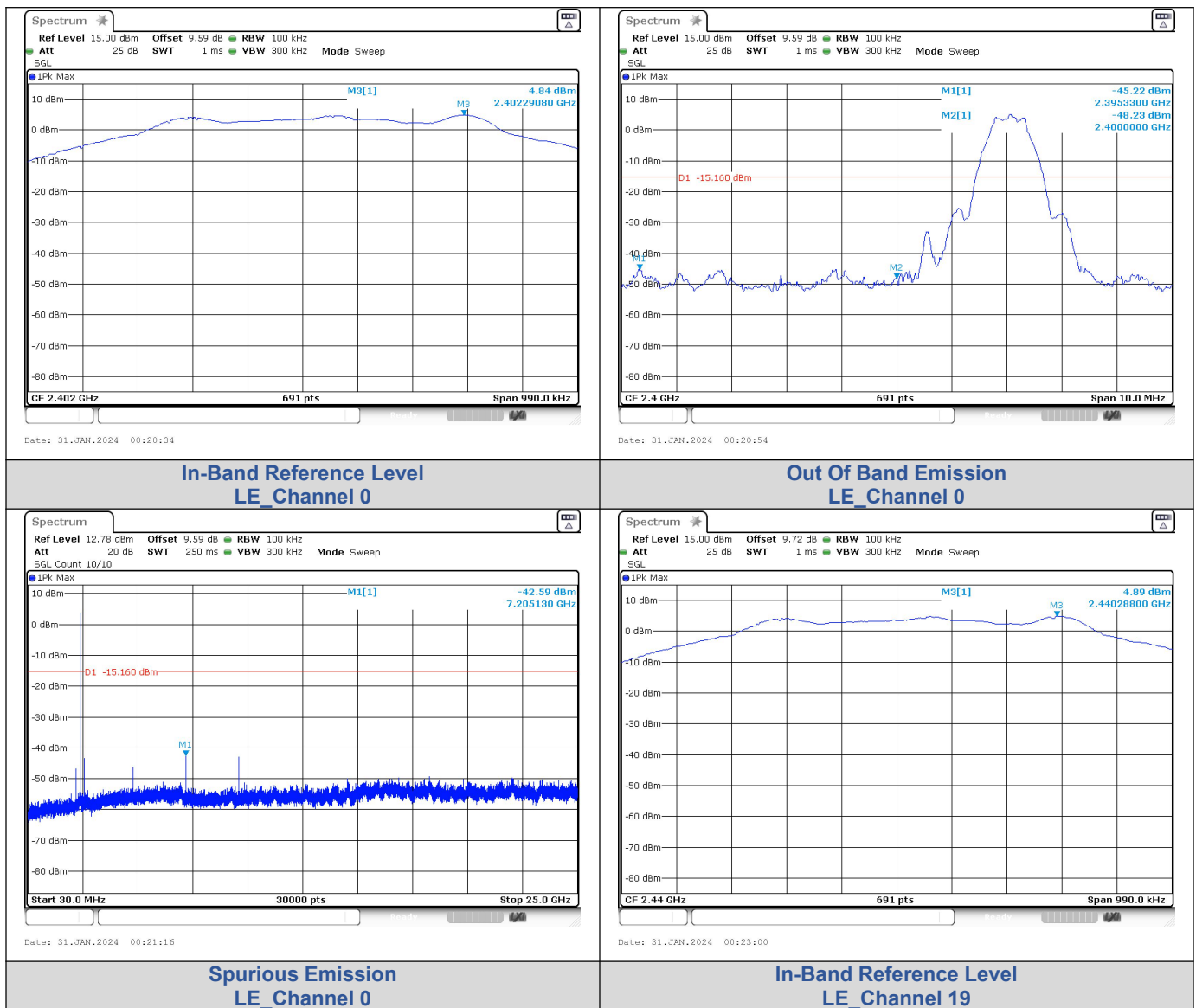


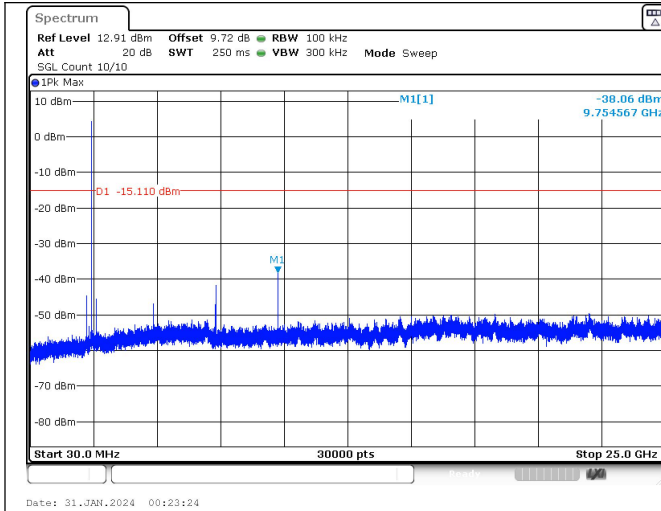
## Conducted Out Of Band Emission

### Test Result

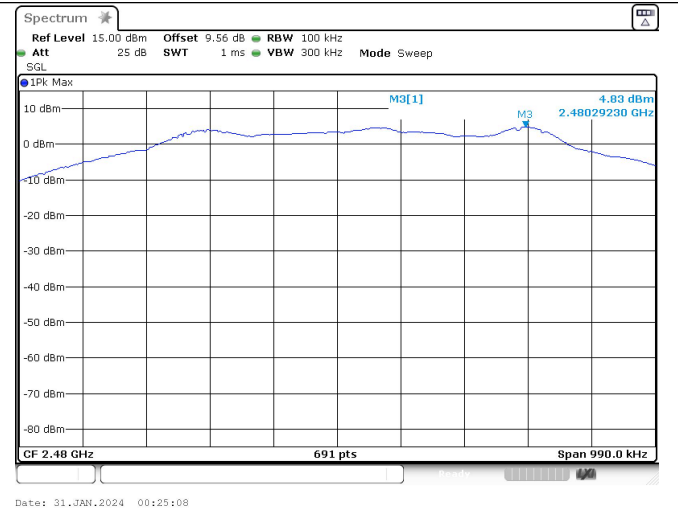
| Mode | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| LE   | 0       | 2400.00                      | -48.234                  | -15.16      | -33.074         | PASS   |
|      |         | 2395.33                      | -45.221                  | -15.16      | -30.061         | PASS   |
|      |         | 7205.10                      | -42.592                  | -15.16      | -27.432         | PASS   |
|      | 19      | 9754.57                      | -38.060                  | -15.11      | -22.950         | PASS   |
|      | 39      | 2483.50                      | -47.750                  | -15.17      | -32.580         | PASS   |
|      |         | 9914.37                      | -40.800                  | -15.17      | -25.630         | PASS   |

### Test Graphs

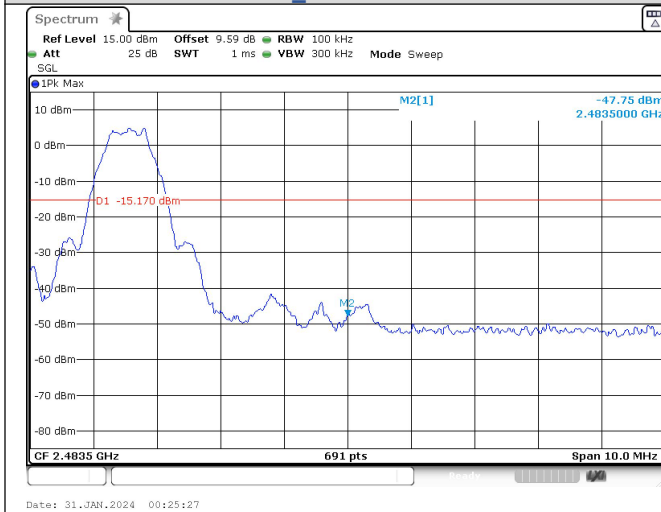




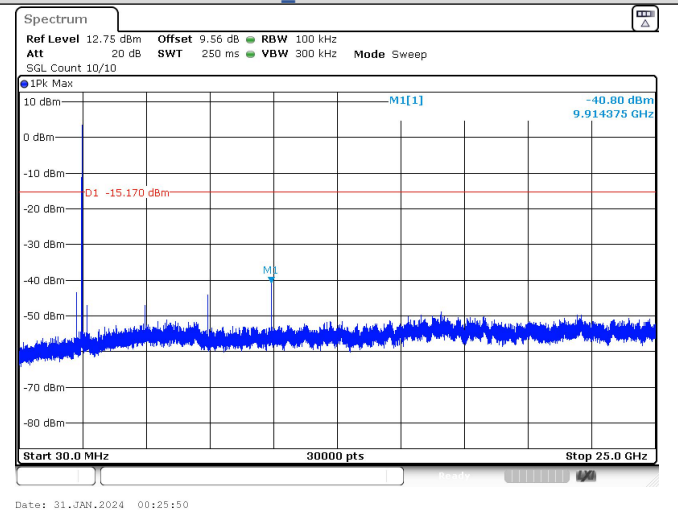
**Spurious Emissions  
LE\_Channel 19**



**In-Band Reference Level  
LE\_Channel 39**



**Out Of Band Emission  
LE\_Channel 39**



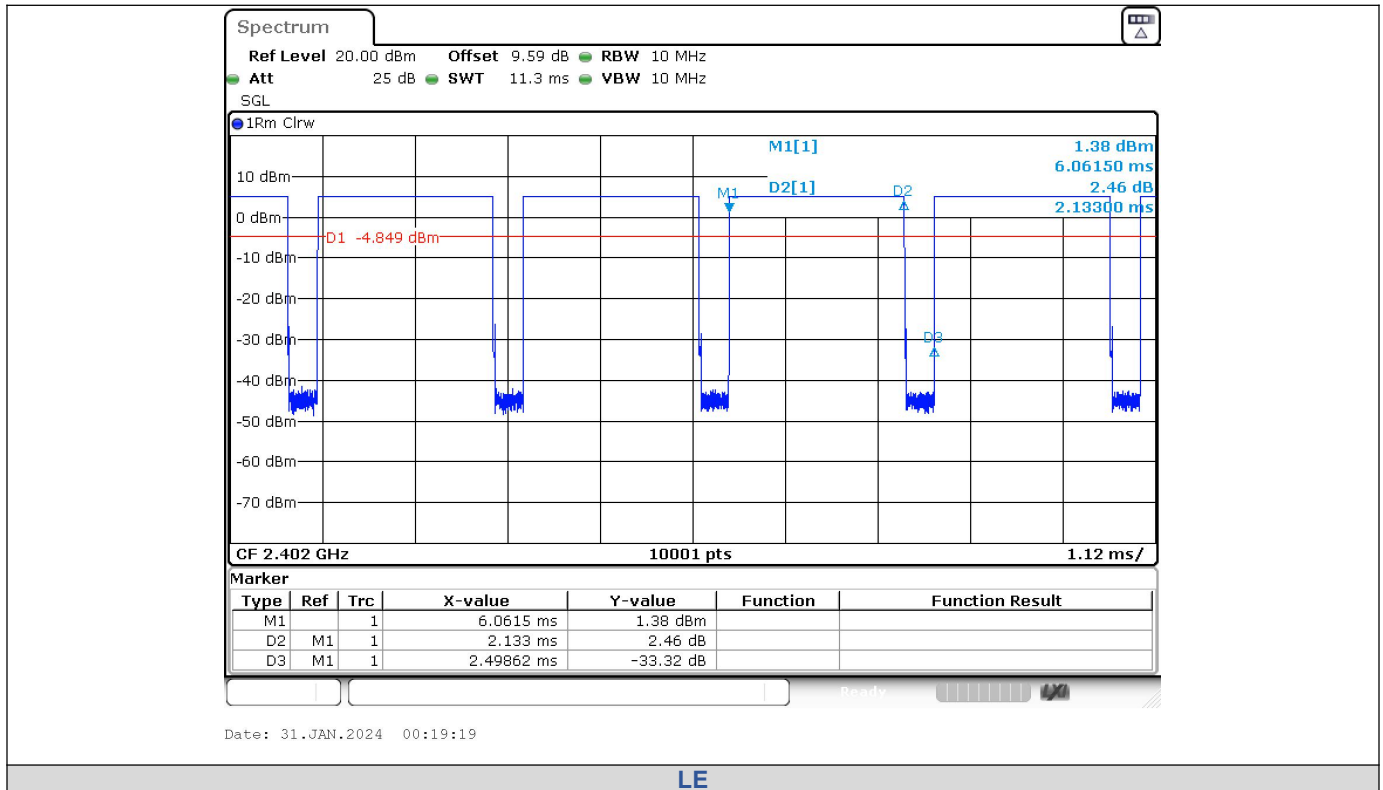
**Spurious Emission  
LE\_Channel 39**

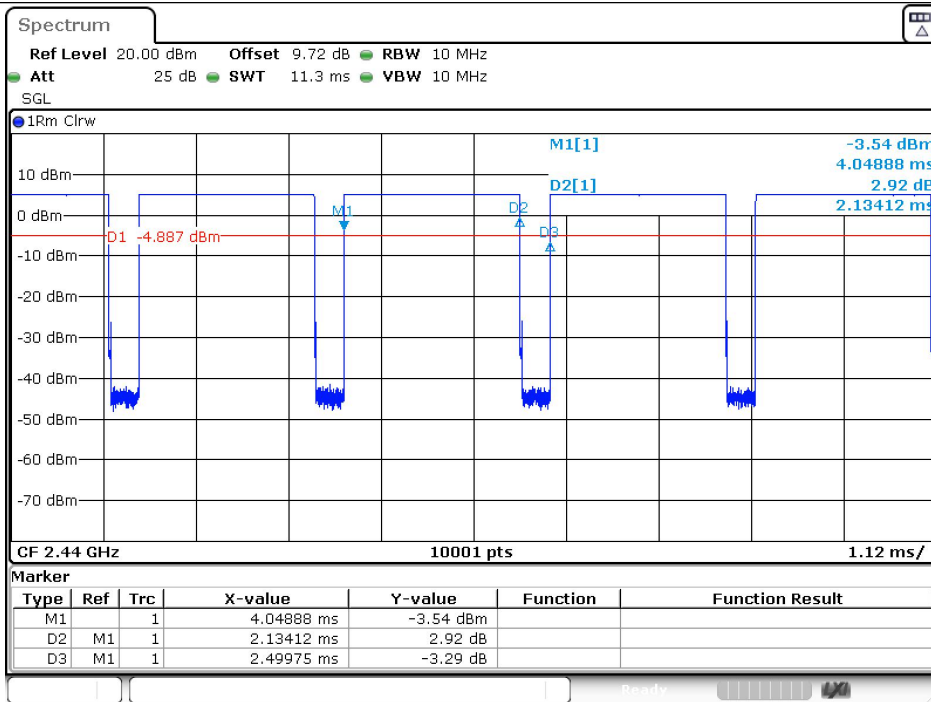
## Duty Cycle

### Test Result

| Mode | Channel | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) | 1/T  |
|------|---------|--------------|-------------|----------------|---------------------|------------------------|------|
| LE   | 0       | 2.133        | 2.499       | 85.37          | 0.8537              | 0.6869                 | 0.47 |
|      | 19      | 2.134        | 2.500       | 85.37          | 0.8537              | 0.6869                 | 0.47 |
|      | 39      | 2.133        | 2.499       | 85.37          | 0.8537              | 0.6869                 | 0.47 |

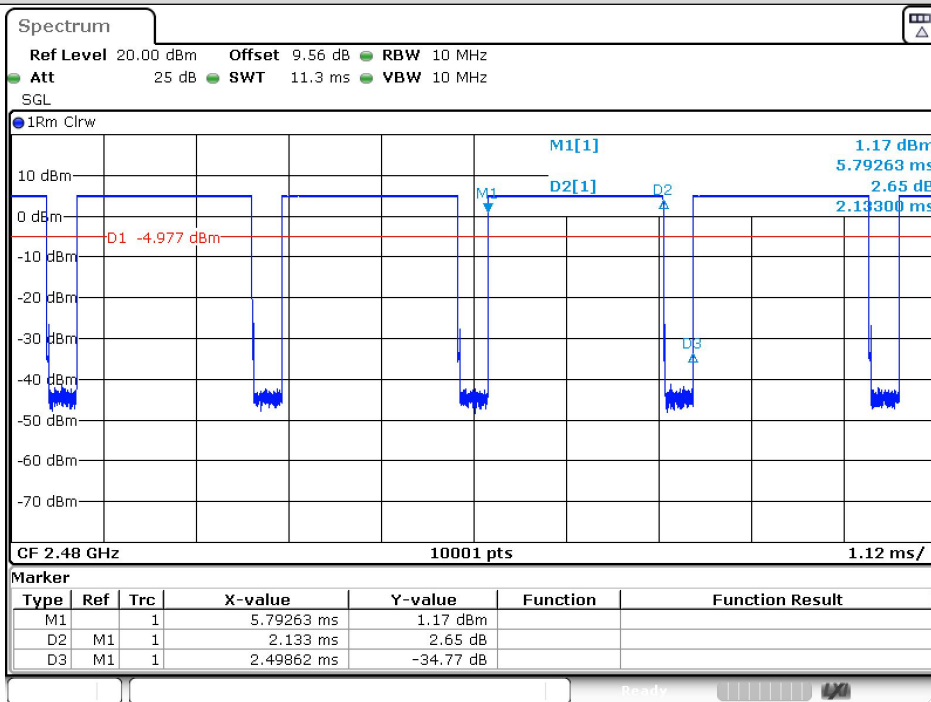
### Test Graphs





Date: 31.JAN.2024 00:21:44

LE



Date: 31.JAN.2024 00:23:52

LE

## Power Spectral Density

### Test Result

| Mode | Channel | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|------|---------|----------------|------------------|--------|
| LE   | 0       | -11.289        | 8                | PASS   |
| LE   | 19      | -11.368        | 8                | PASS   |
| LE   | 39      | -11.448        | 8                | PASS   |

### Test Graphs

