

## Appendix Test Data for BLE (Conducted Measurement)

Product Name: 3-AXIS GIMBAL STABILIZER

Trade Mark: N/A

Test Model: M03

FCC ID: 2ASXW-M03

### Environmental Conditions

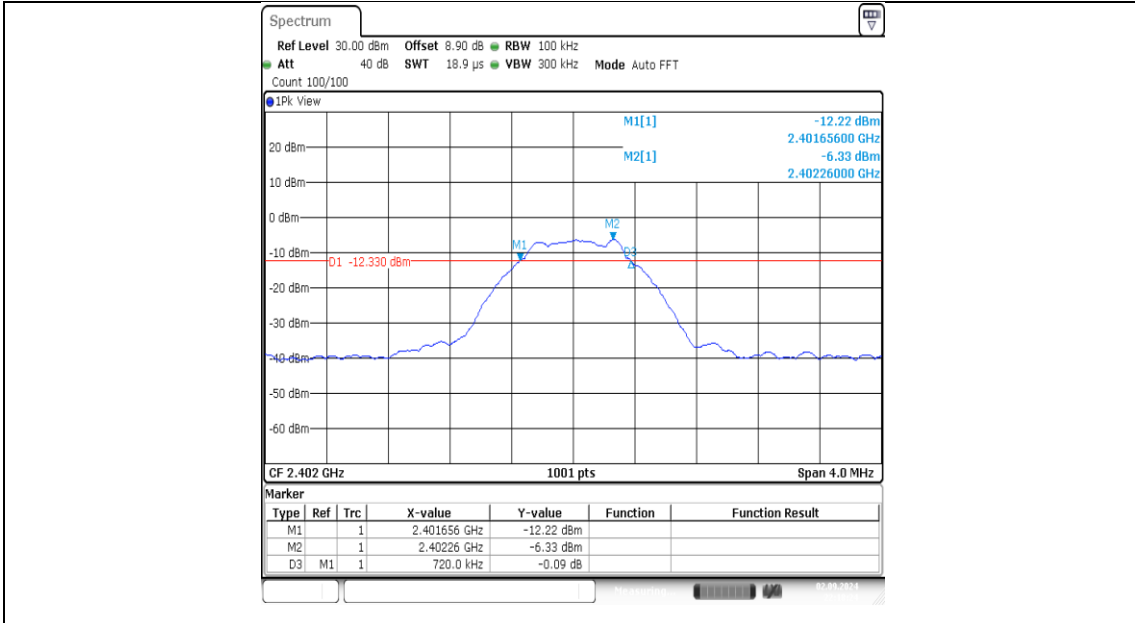
|                    |           |
|--------------------|-----------|
| Temperature:       | 23.8℃     |
| Relative Humidity: | 58%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Allen Lai |
| Supervised by:     | Hugo Chen |
| NOTE               | N/A       |

## Appendix A: DTS Bandwidth

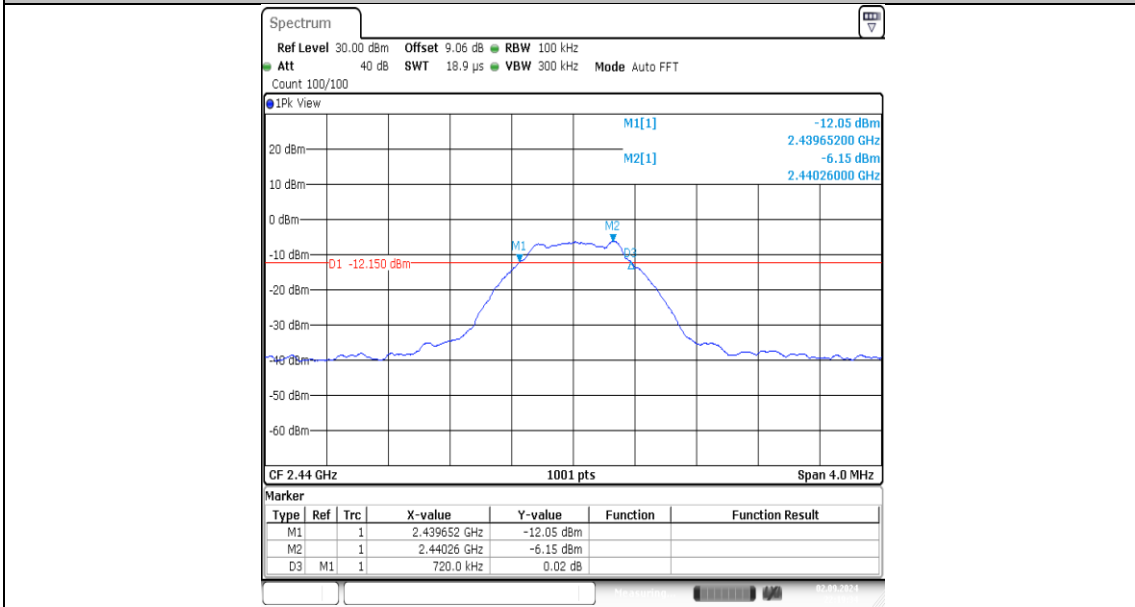
### Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|---------|---------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.72         | 2401.66 | 2402.38 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2440           | 0.72         | 2439.65 | 2440.37 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2480           | 0.72         | 2479.65 | 2480.38 | 0.5        | PASS    |

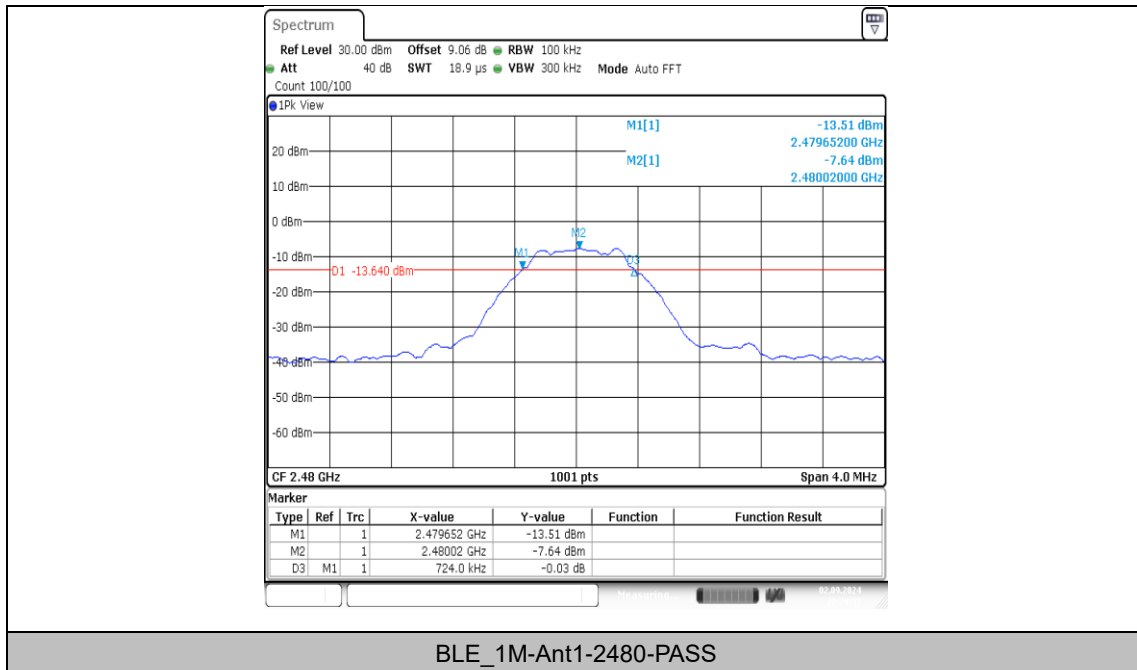
### Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS

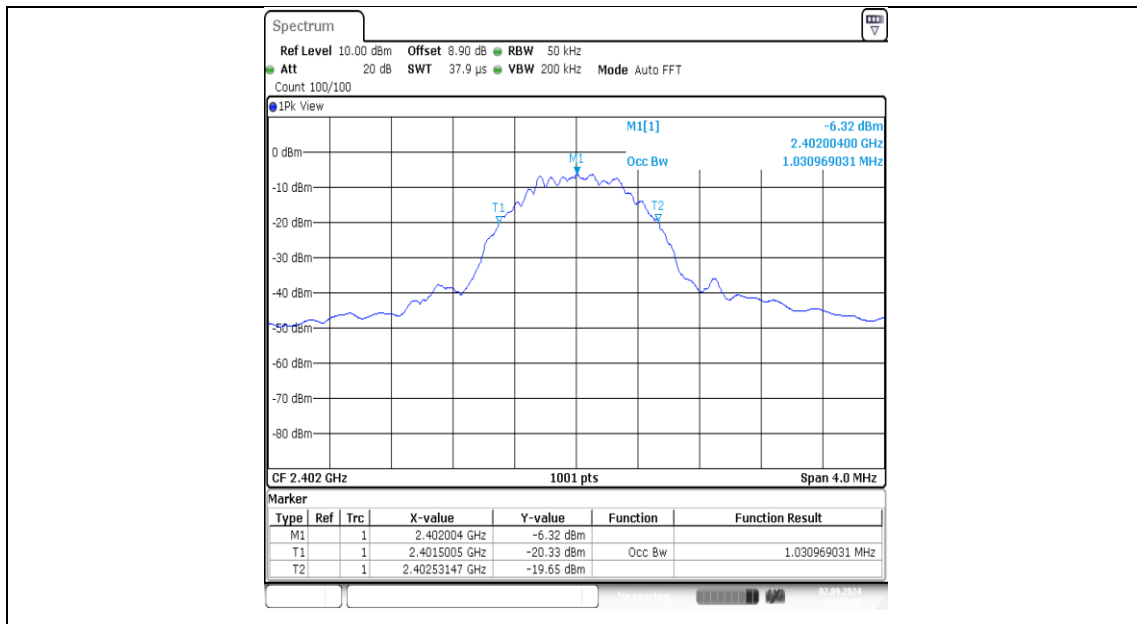


## Appendix B: Occupied Channel Bandwidth

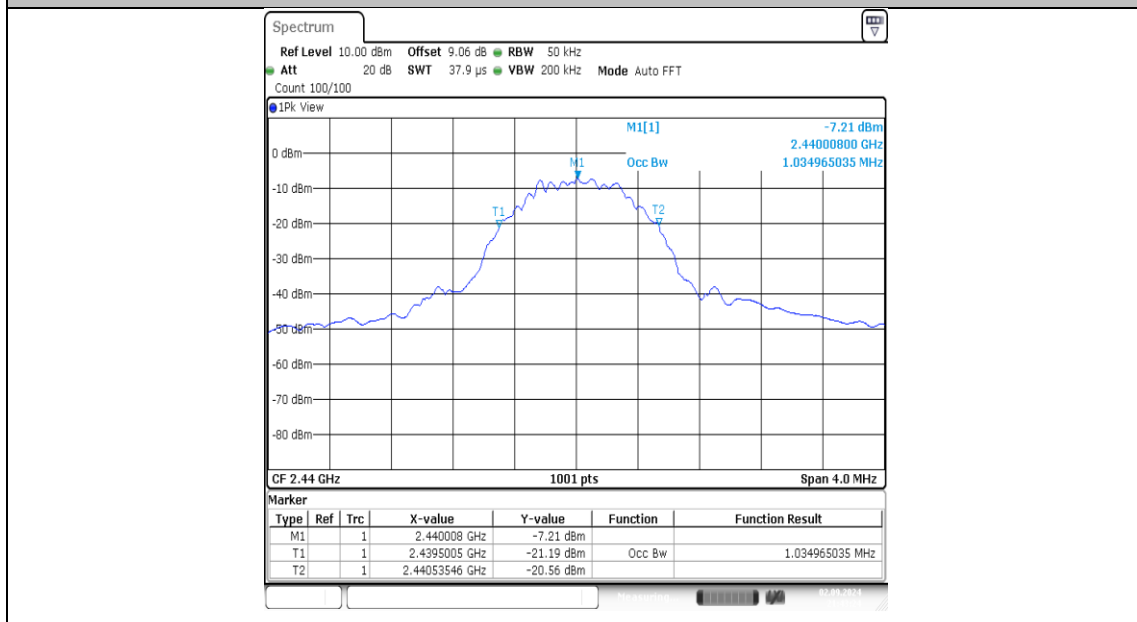
### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 1.031     | 2401.5005 | 2402.5315 | ---        | ---     |
| BLE_1M   | Ant1    | 2440           | 1.035     | 2439.5005 | 2440.5355 | ---        | ---     |
| BLE_1M   | Ant1    | 2480           | 1.031     | 2479.5005 | 2480.5315 | ---        | ---     |

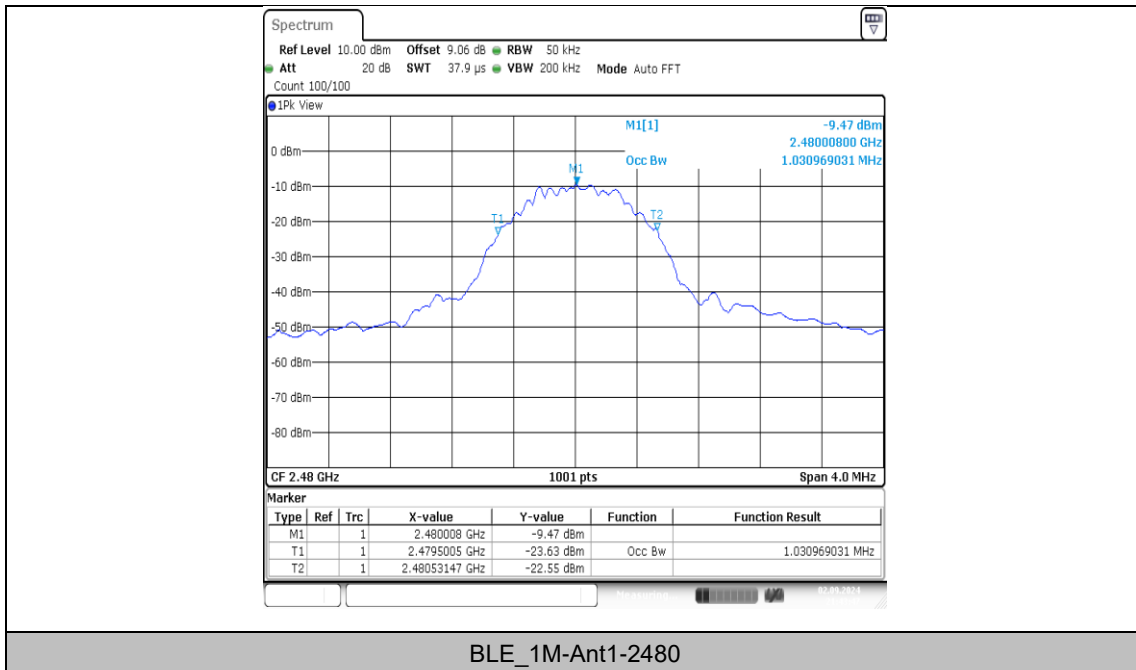
### Test Graphs



BLE\_1M-Ant1-2402



BLE\_1M-Ant1-2440

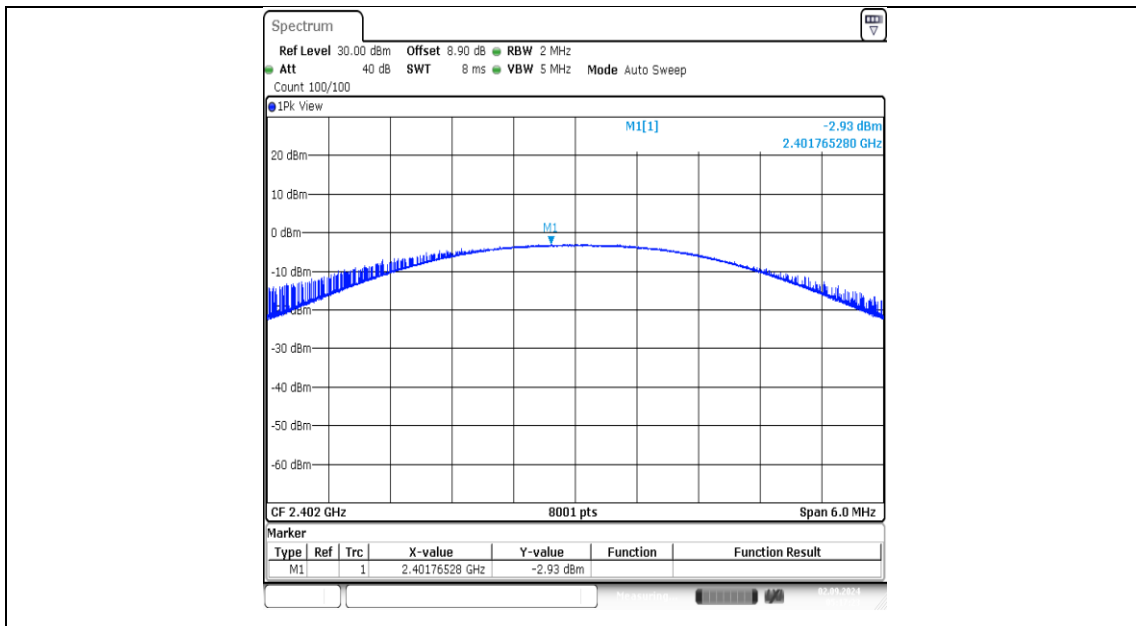


## Appendix C: Maximum peak conducted output power

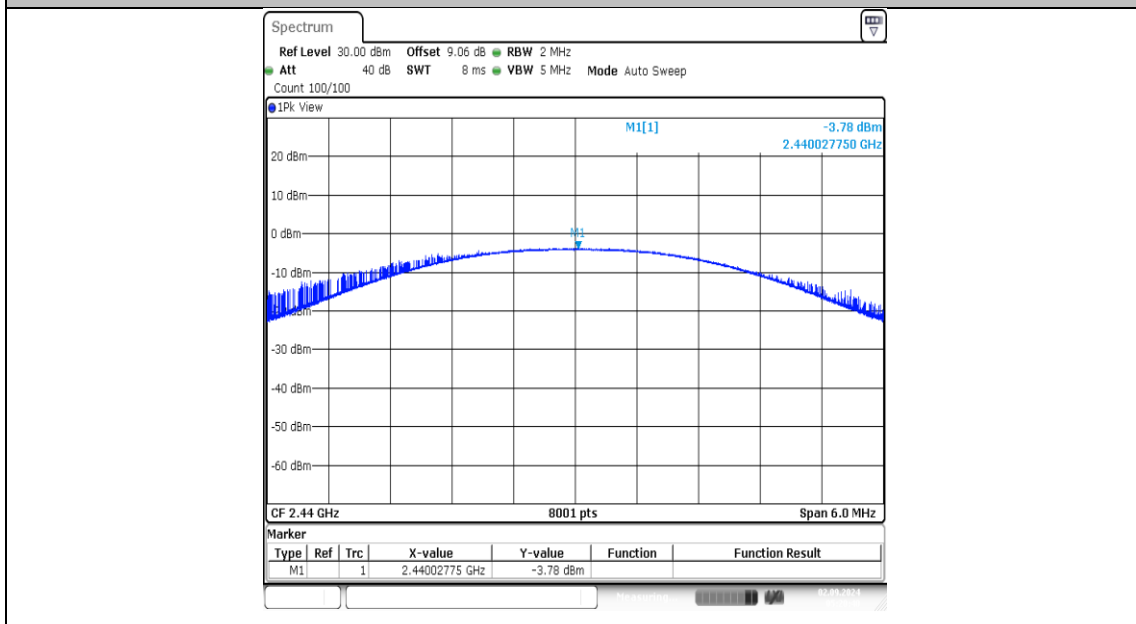
### Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------|----------------------|---------|
| BLE_1M   | Ant1    | 2402           | -2.93                     | ≤30                  | PASS    |
| BLE_1M   | Ant1    | 2440           | -3.78                     | ≤30                  | PASS    |
| BLE_1M   | Ant1    | 2480           | -5.54                     | ≤30                  | PASS    |

### Test Graphs Peak

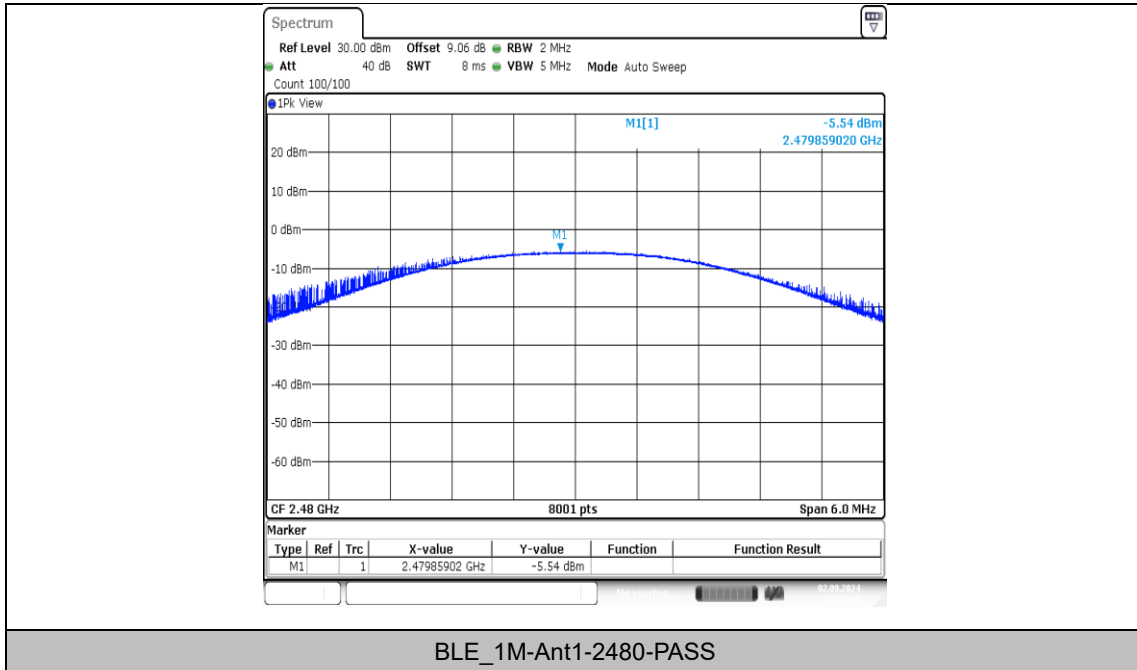


BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



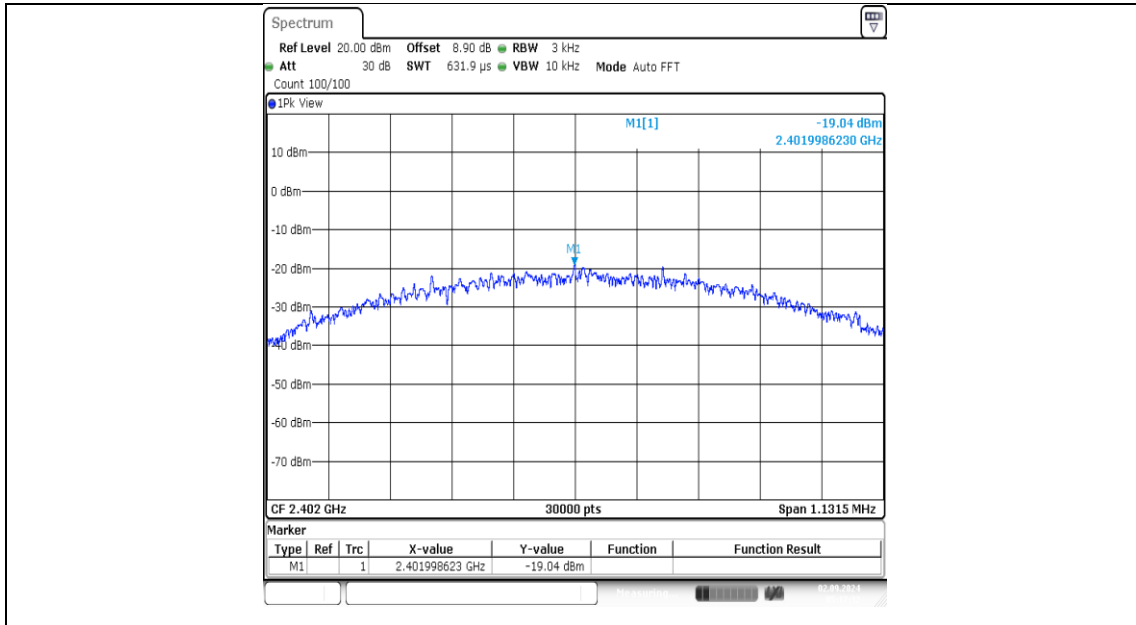


## Appendix D: Maximum peak power spectral density

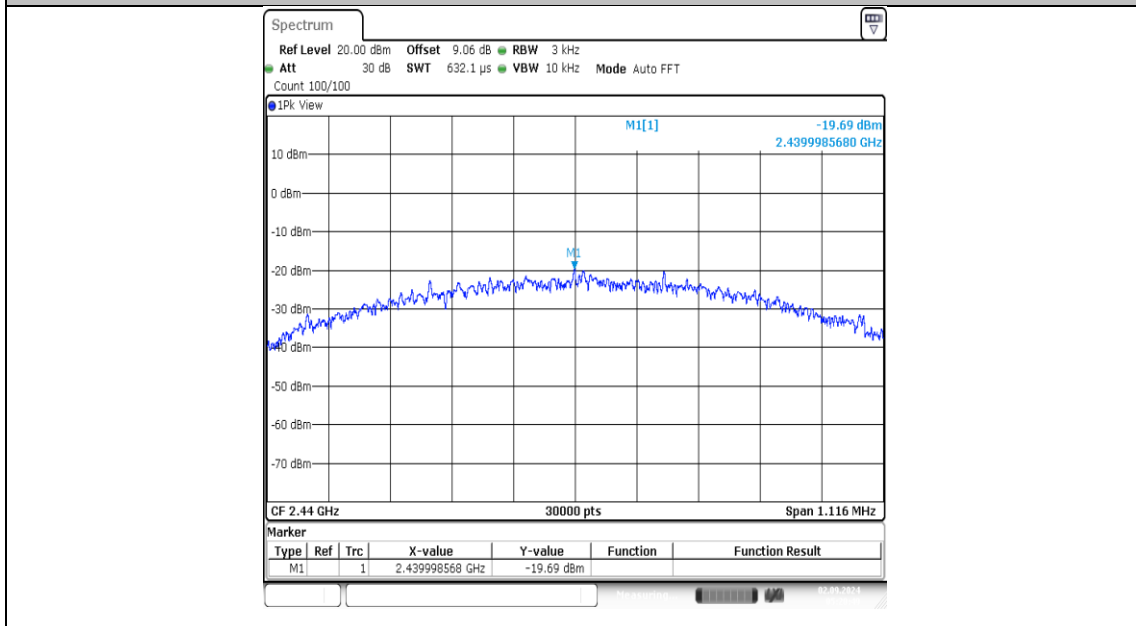
### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -19.04           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -19.69           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -21.81           | ≤8.00           | PASS    |

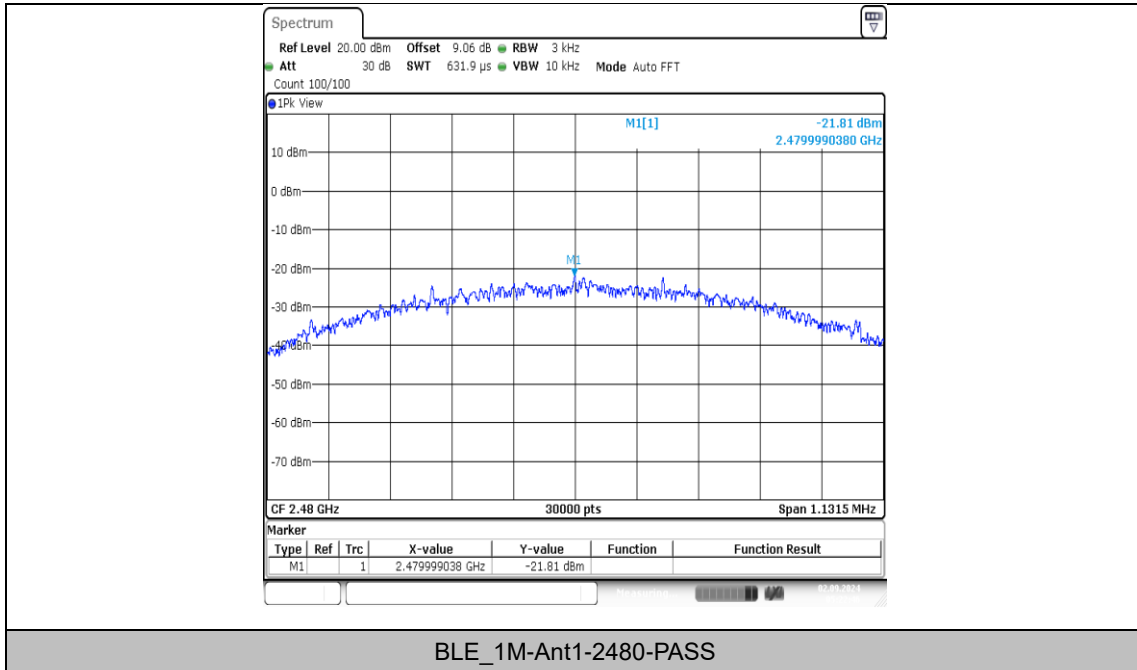
### Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS

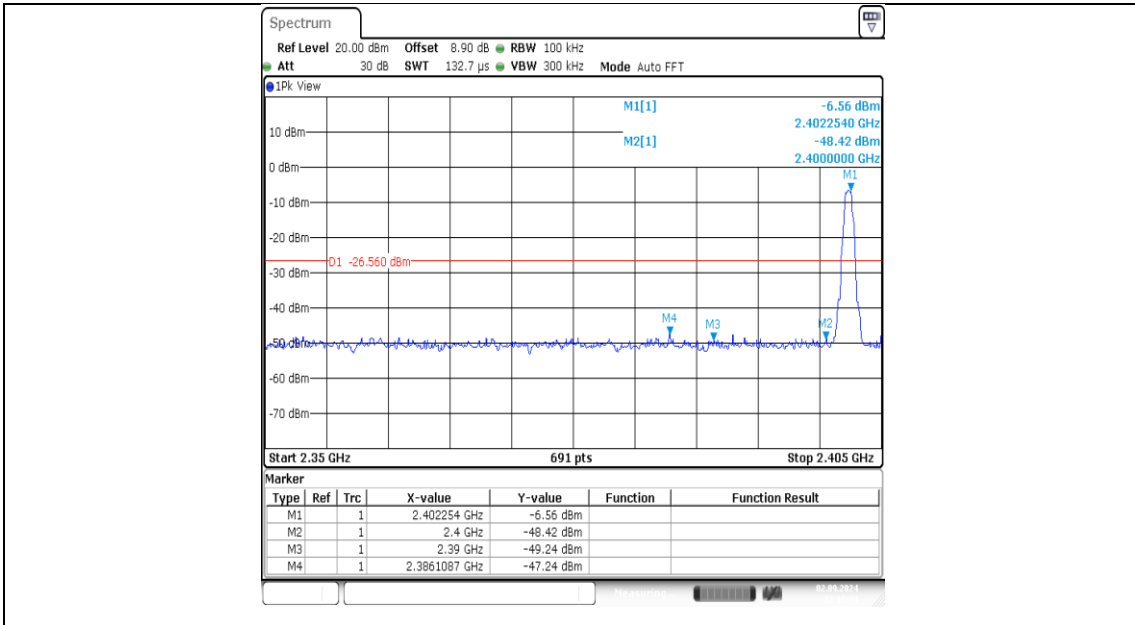


## Appendix E: Band edge measurements

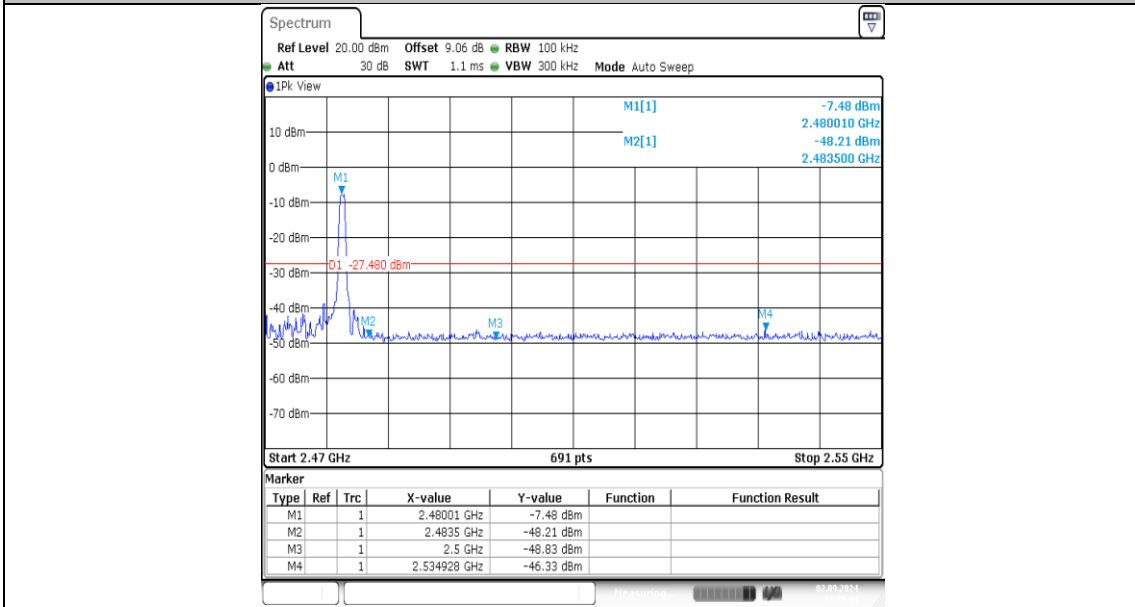
### Test Result

| TestMode | Antenna | Channel | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|----------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low     | 2402           | -6.56         | -47.24      | ≤-26.56    | PASS    |
| BLE_1M   | Ant1    | High    | 2480           | -7.48         | -46.33      | ≤-27.48    | PASS    |

### Test Graphs



BLE\_1M-Ant1-2402-PASS



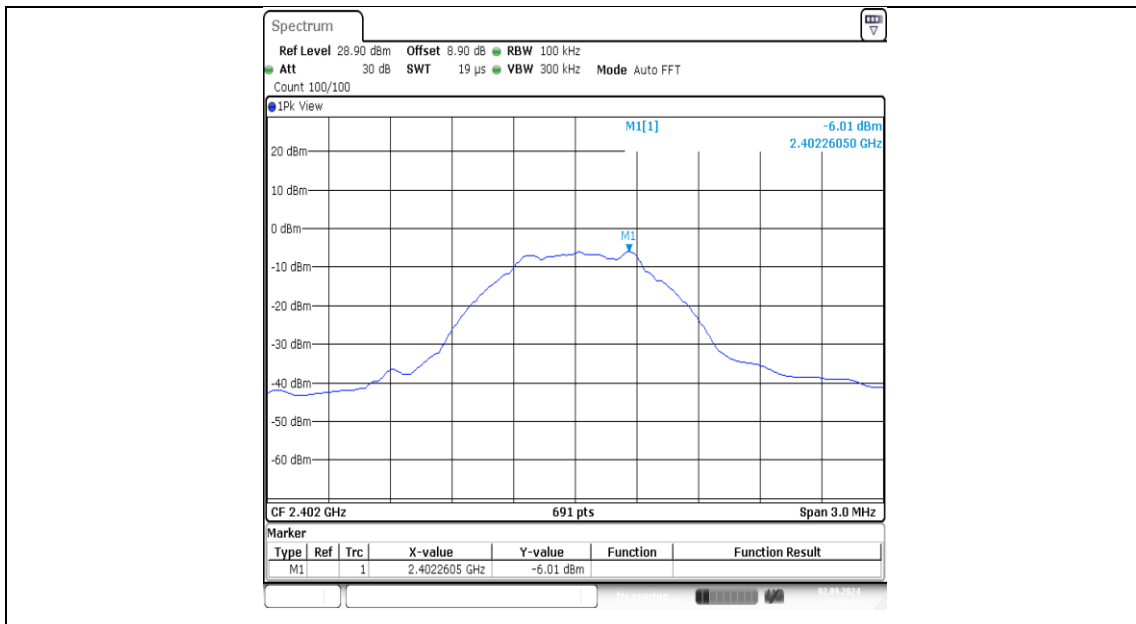
BLE\_1M-Ant1-2480-PASS

## Appendix F: Conducted Spurious Emission

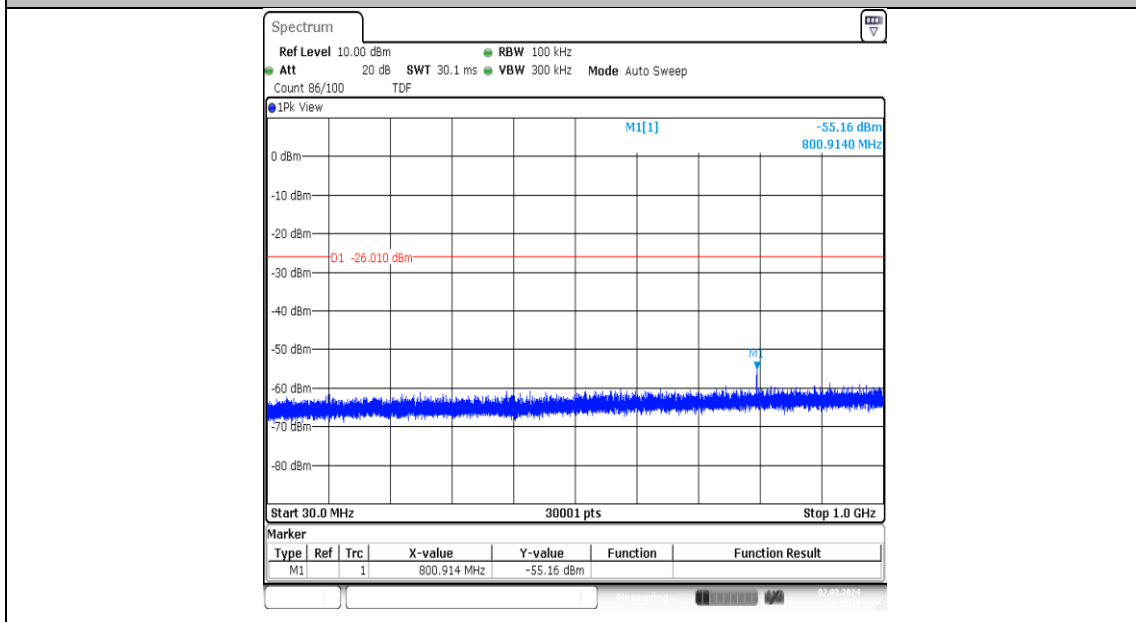
### Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0~Reference     | -6.01          | -6.01       | ---        | PASS    |
| BLE_1M   | Ant1    | 2402           | 30~1000         | -6.01          | -55.16      | ≤-26.01    | PASS    |
| BLE_1M   | Ant1    | 2402           | 1000~26500      | -6.01          | -34.5       | ≤-26.01    | PASS    |
| BLE_1M   | Ant1    | 2440           | 0~Reference     | -6.14          | -6.14       | ---        | PASS    |
| BLE_1M   | Ant1    | 2440           | 30~1000         | -6.14          | -55.52      | ≤-26.14    | PASS    |
| BLE_1M   | Ant1    | 2440           | 1000~26500      | -6.14          | -35.41      | ≤-26.14    | PASS    |
| BLE_1M   | Ant1    | 2480           | 0~Reference     | -7.50          | -7.50       | ---        | PASS    |
| BLE_1M   | Ant1    | 2480           | 30~1000         | -7.50          | -55.97      | ≤-27.5     | PASS    |
| BLE_1M   | Ant1    | 2480           | 1000~26500      | -7.50          | -35.99      | ≤-27.5     | PASS    |

### Test Graphs

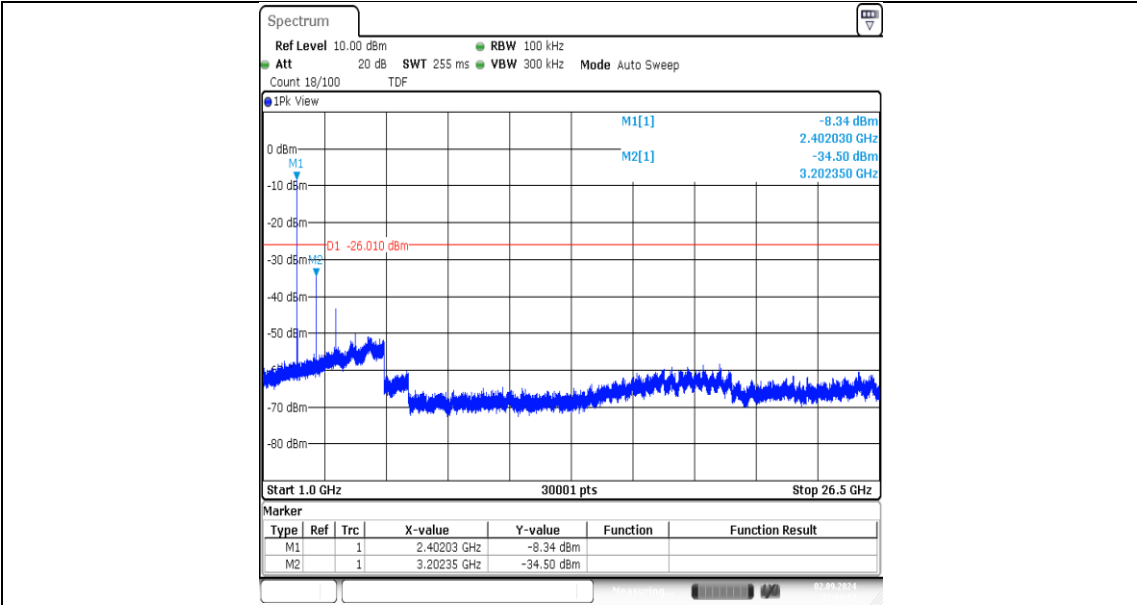


BLE\_1M-Ant1-2402-0~Reference-PASS

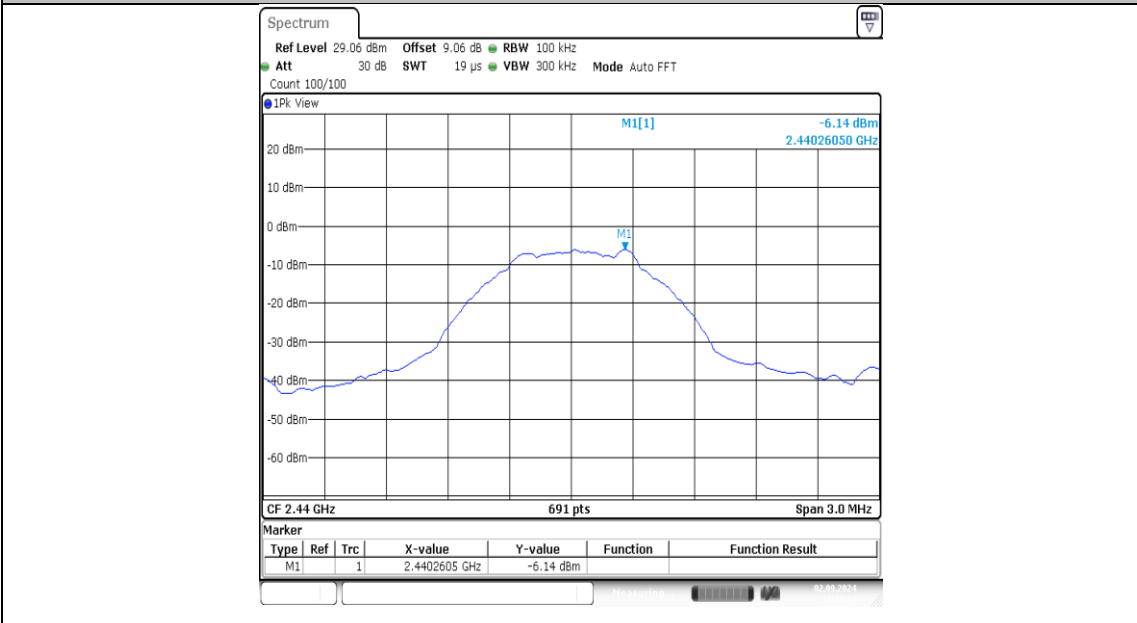


BLE\_1M-Ant1-2402-30~1000-PASS

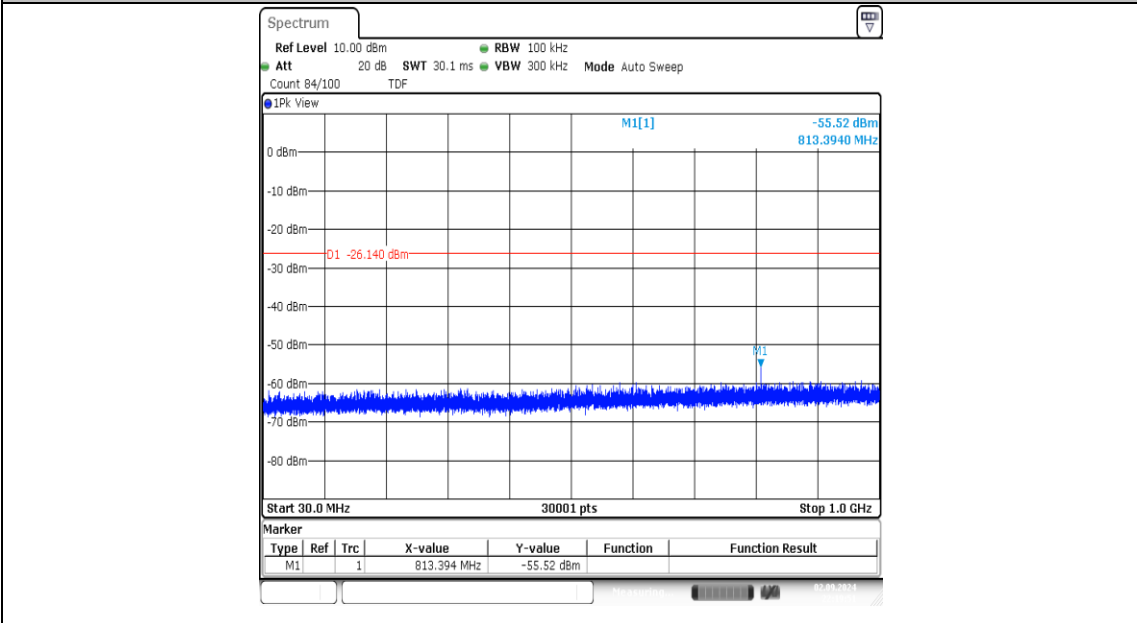




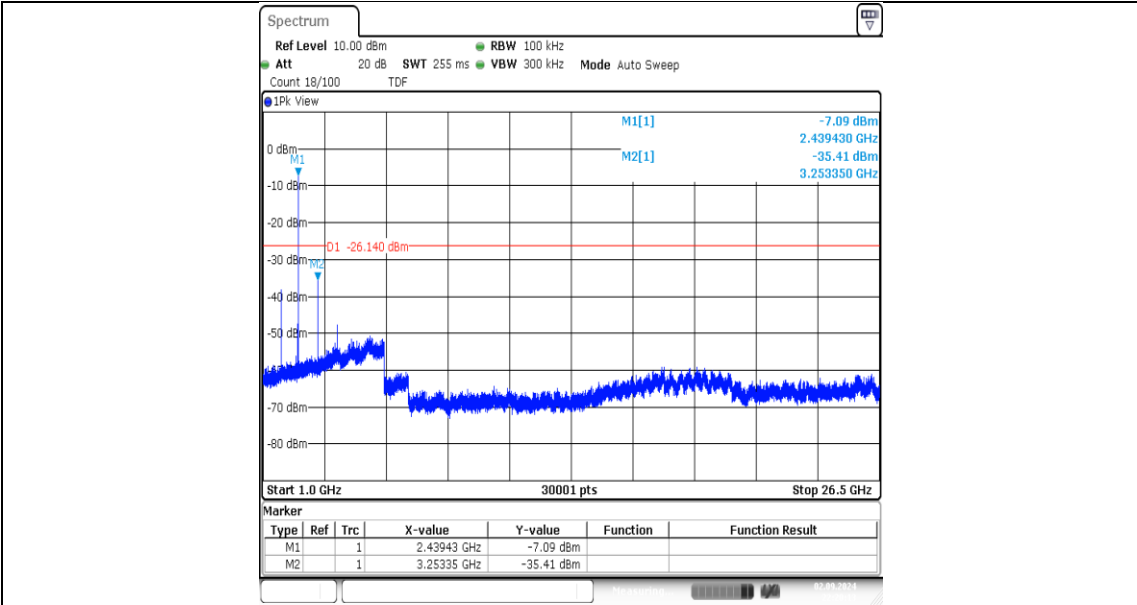
BLE\_1M-Ant1-2402-1000~26500-PASS



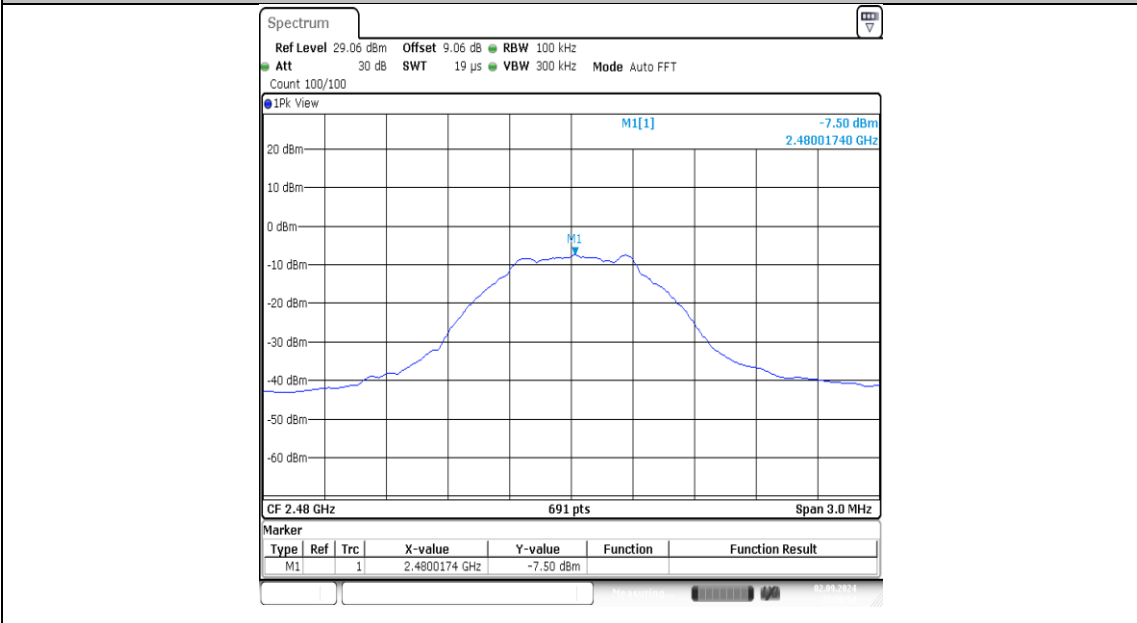
BLE\_1M-Ant1-2440-0~Reference-PASS



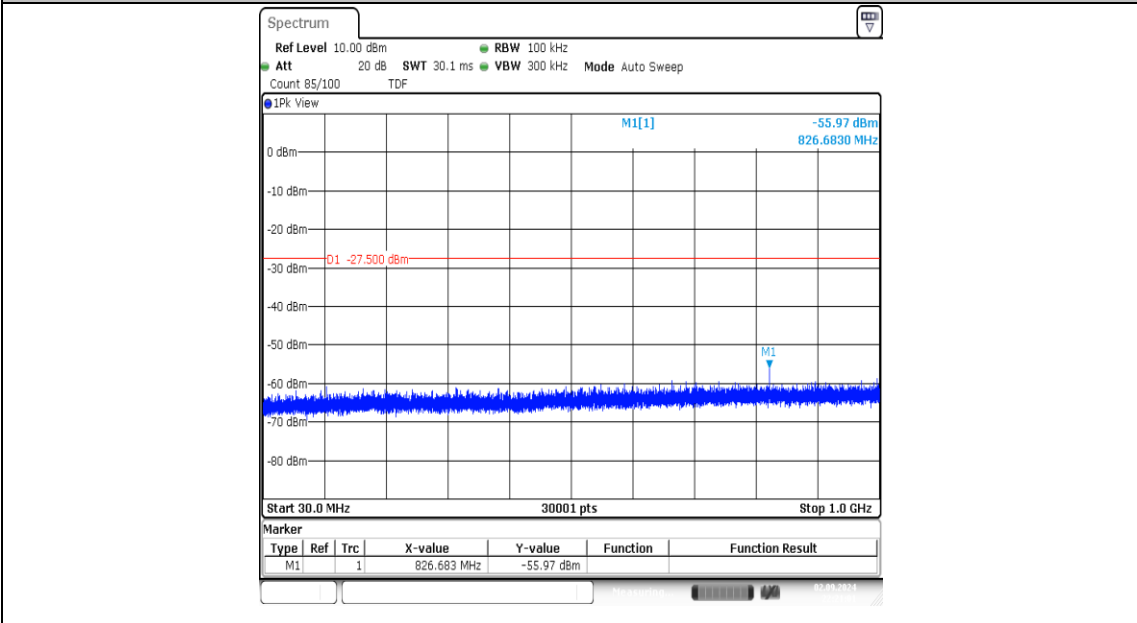
BLE\_1M-Ant1-2440-30~1000-PASS



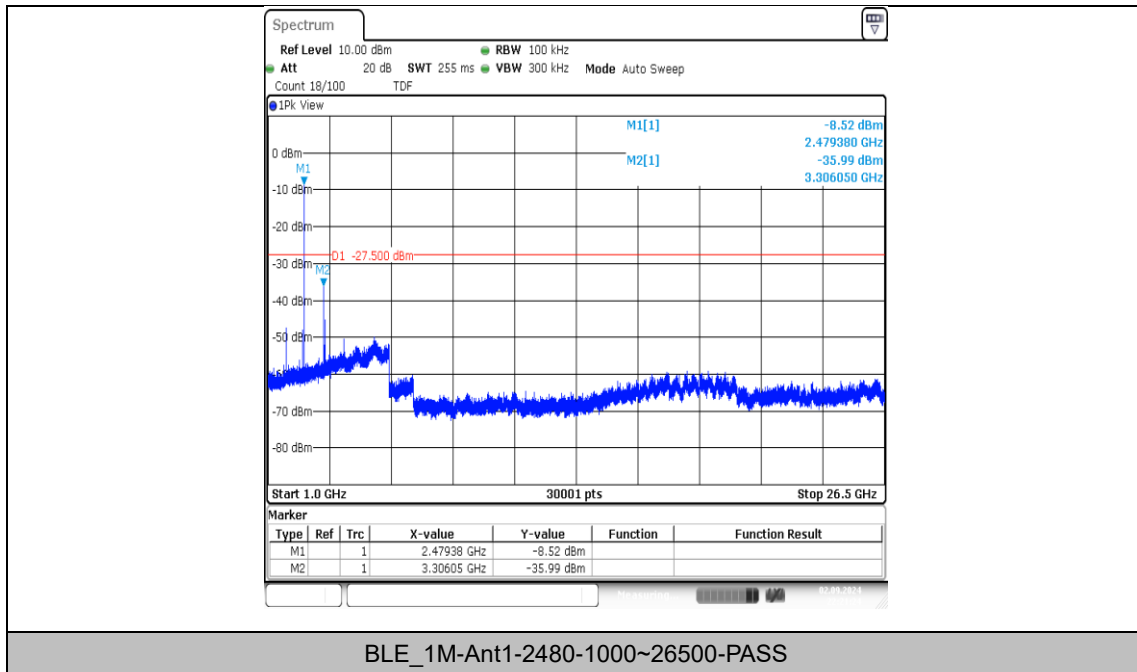
BLE\_1M-Ant1-2440-1000~26500-PASS



BLE\_1M-Ant1-2480-0~Reference-PASS



BLE\_1M-Ant1-2480-30~1000-PASS

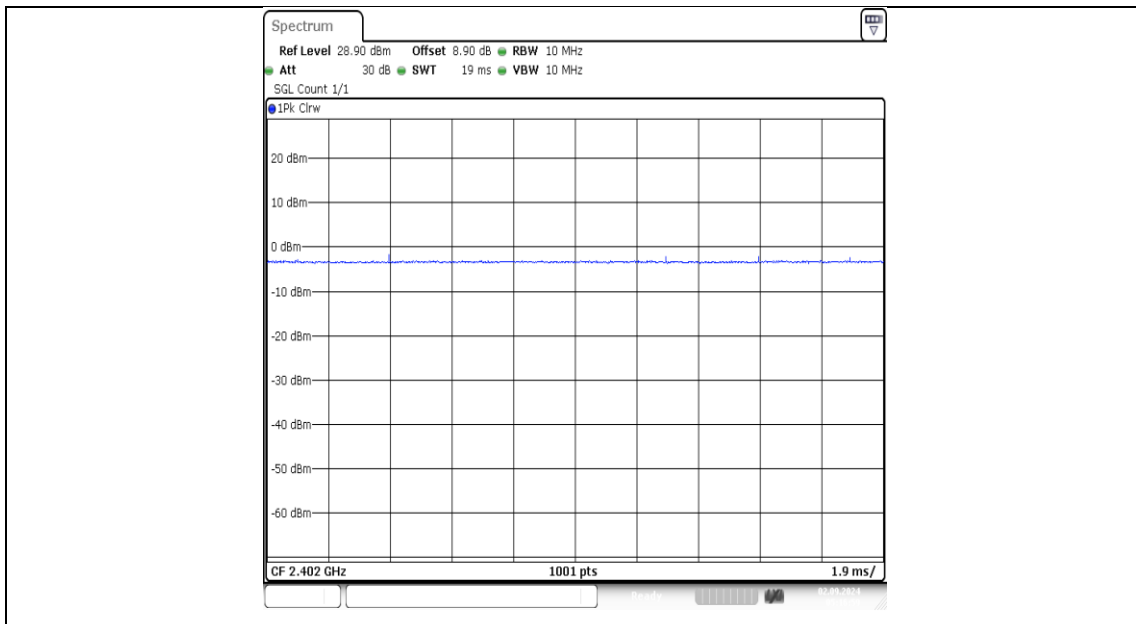


## Appendix G: Duty Cycle

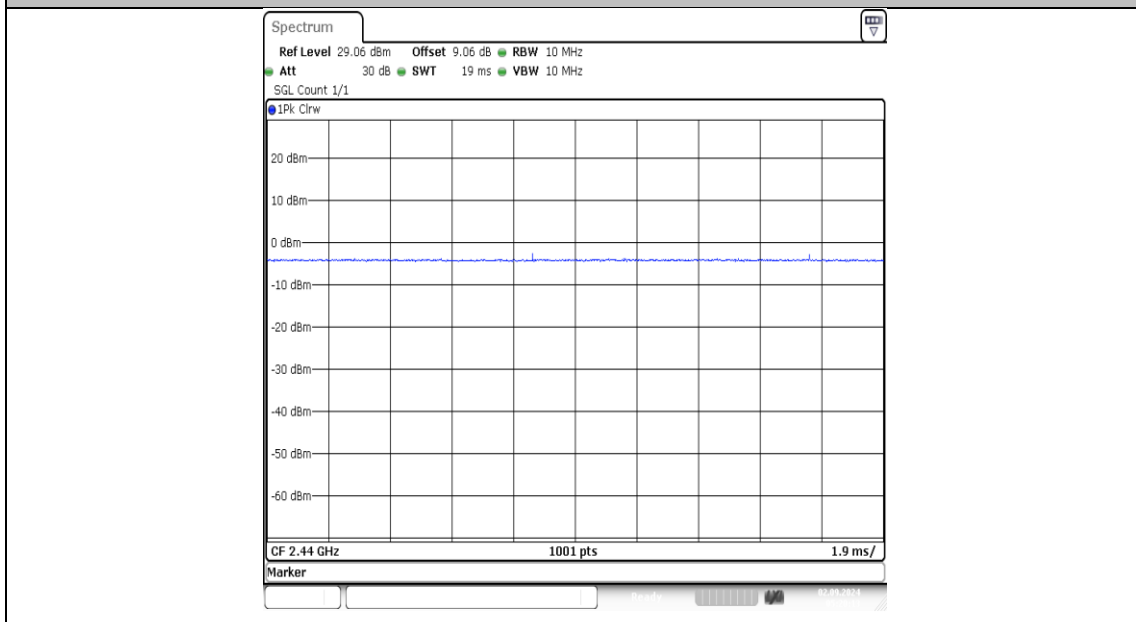
### Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|----------|---------|----------------|--------------|-------------|----------------|-----------------------|
| BLE_1M   | Ant1    | 2402           | 19.00        | 19.00       | 100.00         | 0.00                  |
| BLE_1M   | Ant1    | 2440           | 19.00        | 19.00       | 100.00         | 0.00                  |
| BLE_1M   | Ant1    | 2480           | 19.00        | 19.00       | 100.00         | 0.00                  |

### Test Graphs



NTNV-BLE\_1M-Ant1-2402



NTNV-BLE\_1M-Ant1-2440

