

## Appendix: Bluetooth LE

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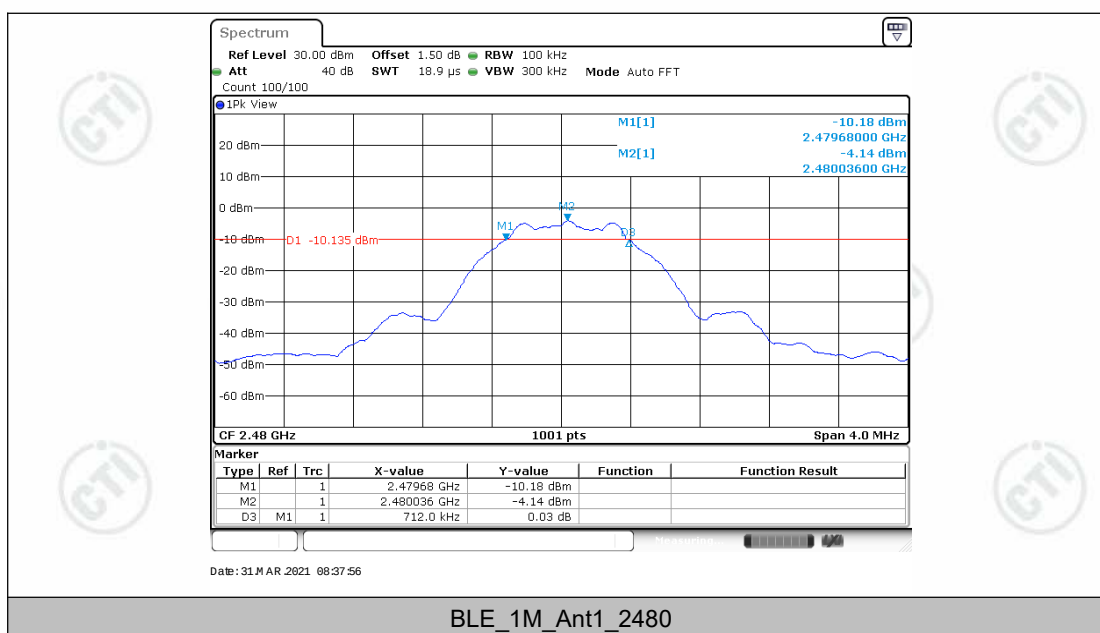
## Appendix A: DTS Bandwidth

### Test Result

| Test Mode | Antenna | Channel | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|--------------|----------|----------|------------|---------|
| BLE_1M    | Ant1    | 2402    | 0.720        | 2401.676 | 2402.396 | 0.5        | PASS    |
|           |         | 2440    | 0.708        | 2439.680 | 2440.388 | 0.5        | PASS    |
|           |         | 2480    | 0.712        | 2479.680 | 2480.392 | 0.5        | PASS    |

## Test Graphs





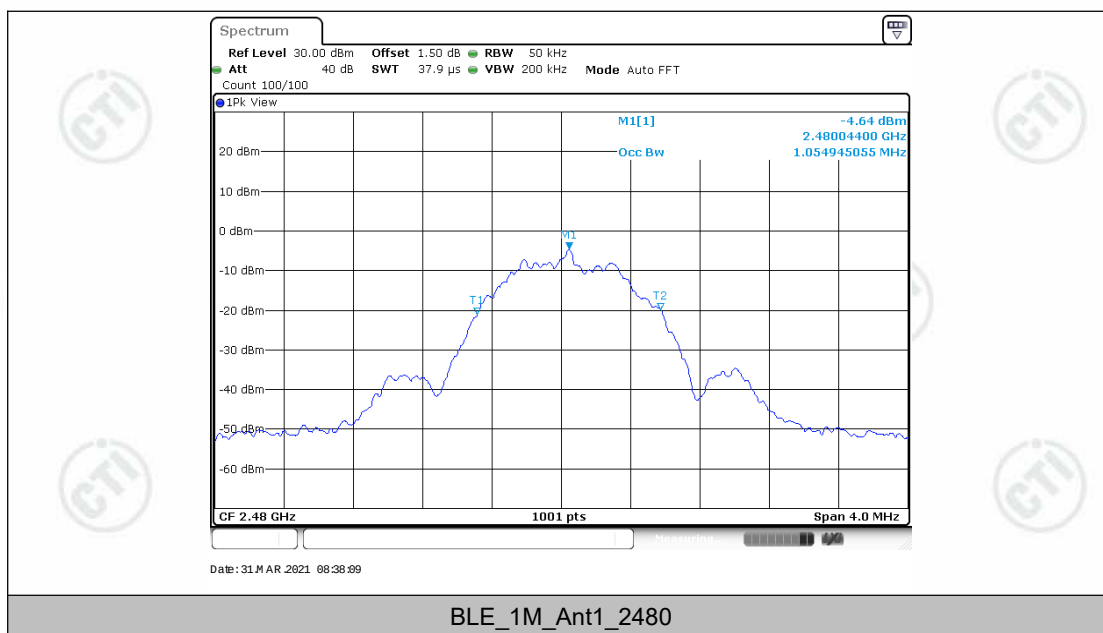
## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| BLE_1M    | Ant1    | 2402    | 1.051     | 2401.520 | 2402.571 | ---        | PASS    |
|           |         | 2440    | 1.051     | 2439.520 | 2440.571 | ---        | PASS    |
|           |         | 2480    | 1.055     | 2479.516 | 2480.571 | ---        | PASS    |

## Test Graphs





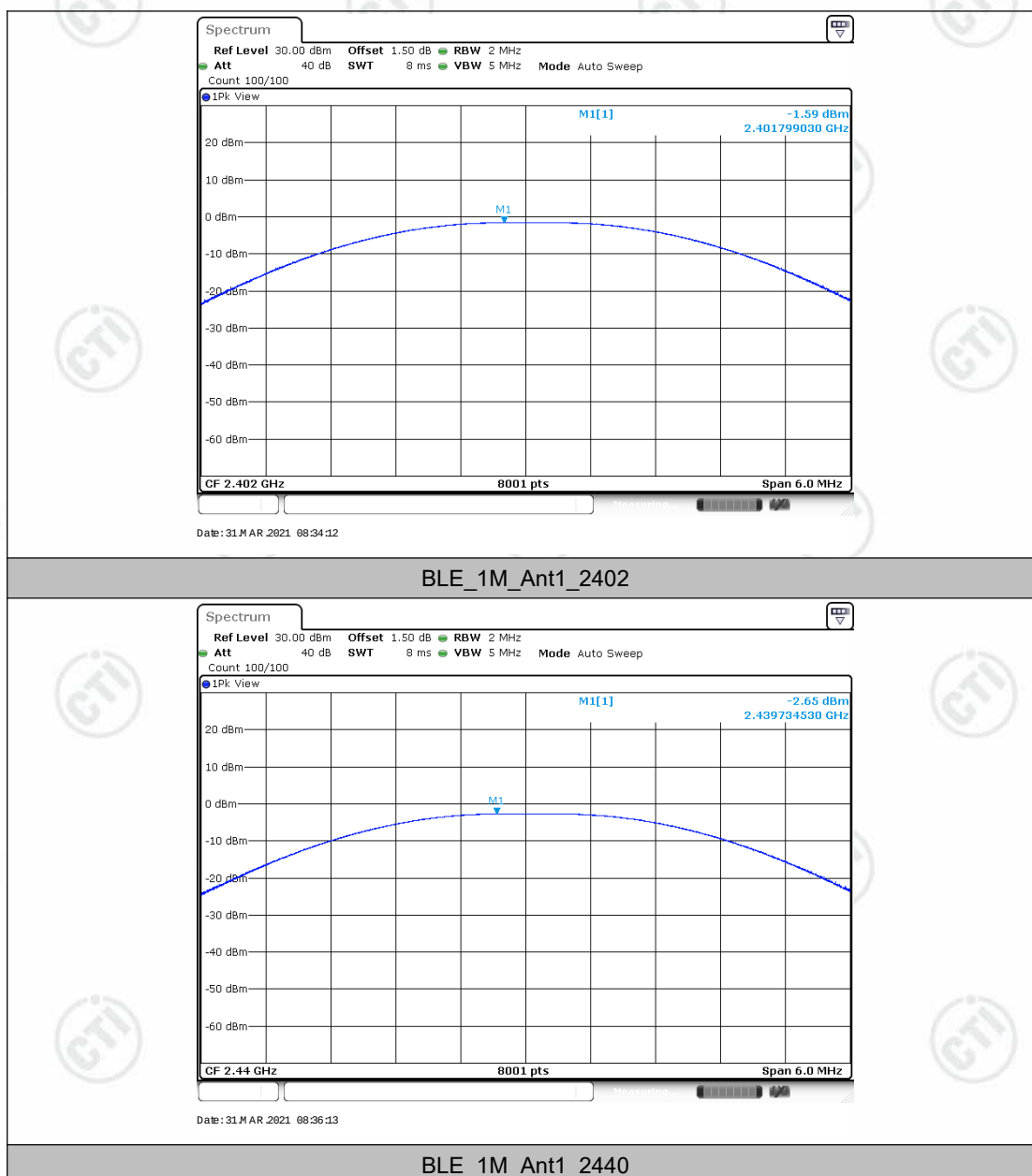


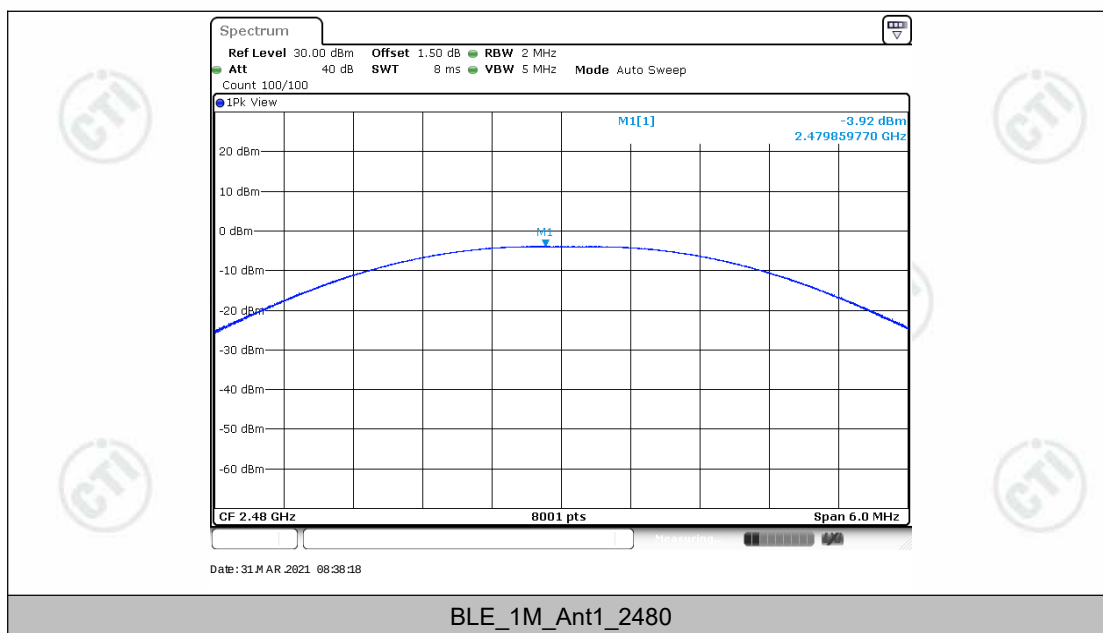
## Appendix C: Maximum conducted output power

### Test Result

| Test Mode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| BLE_1M    | Ant1    | 2402    | -1.59       | <=30       | PASS    |
|           |         | 2440    | -2.65       | <=30       | PASS    |
|           |         | 2480    | -3.92       | <=30       | PASS    |

## Test Graphs



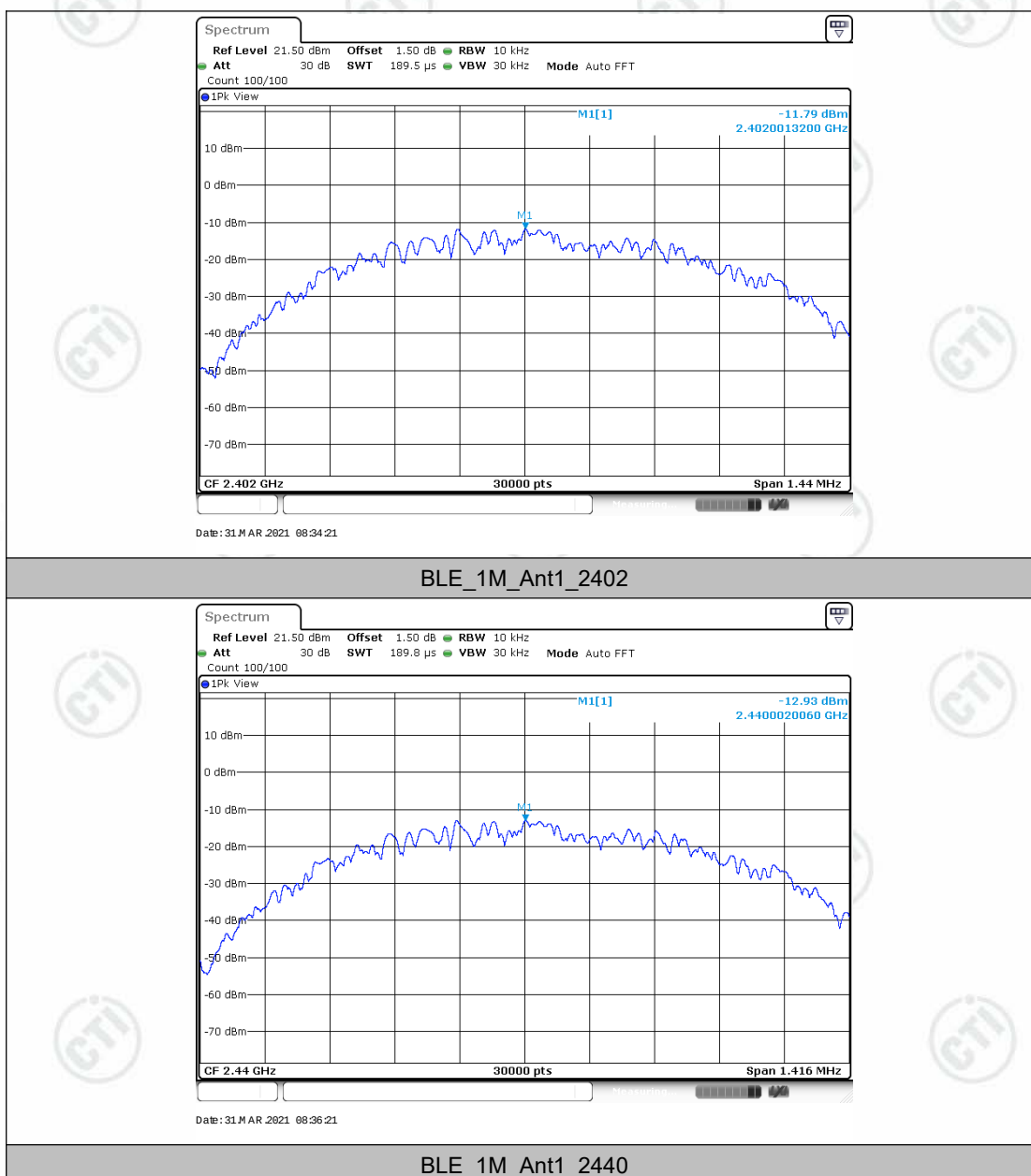


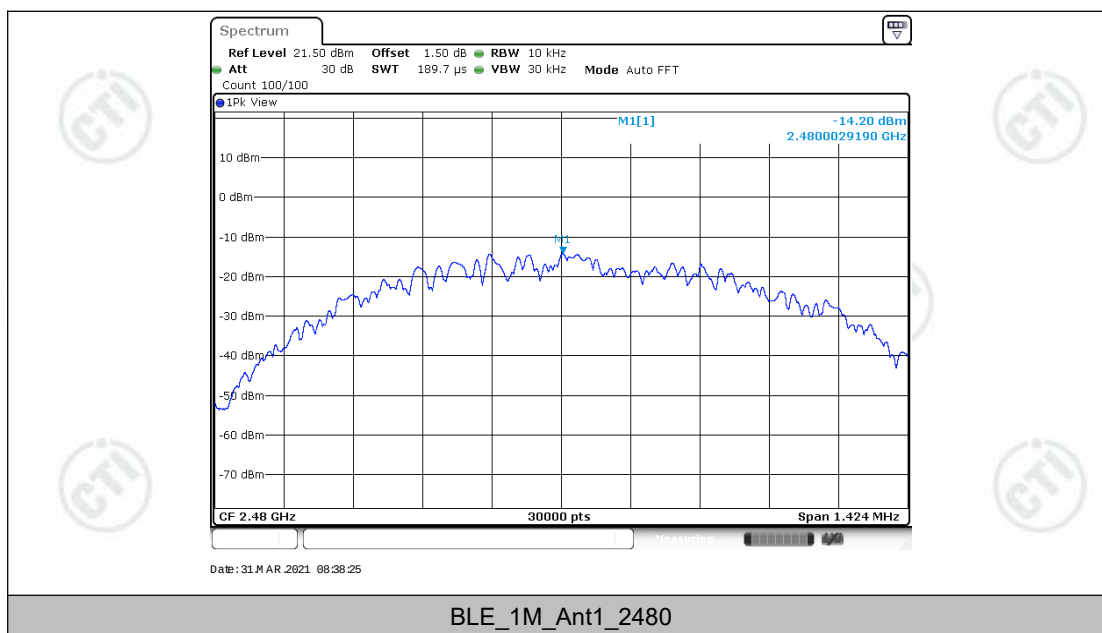
## Appendix D: Maximum power spectral density

### Test Result

| Test Mode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| BLE_1M    | Ant1    | 2402    | -11.79               | <=8             | PASS    |
|           |         | 2440    | -12.93               | <=8             | PASS    |
|           |         | 2480    | -14.2                | <=8             | PASS    |

## Test Graphs



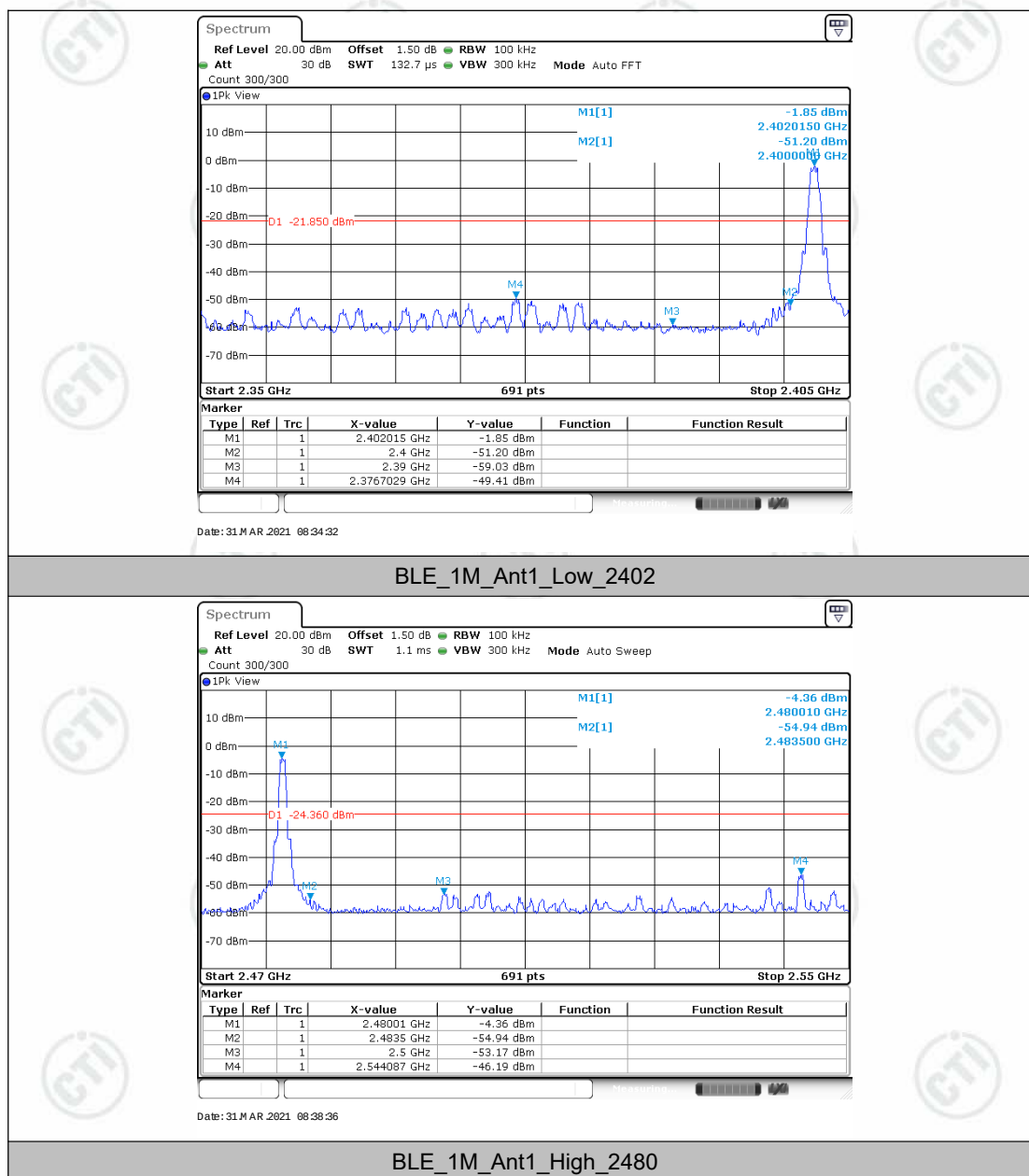


## Appendix E: Band edge measurements

### Test Result

| Test Mode | Antenna | Ch Name | Channel | Ref Level[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|---------|----------------|-------------|------------|---------|
| BLE_1M    | Ant1    | Low     | 2402    | -1.85          | -49.41      | <=-21.85   | PASS    |
|           |         | High    | 2480    | -4.36          | -46.19      | <=-24.36   | PASS    |

## Test Graphs



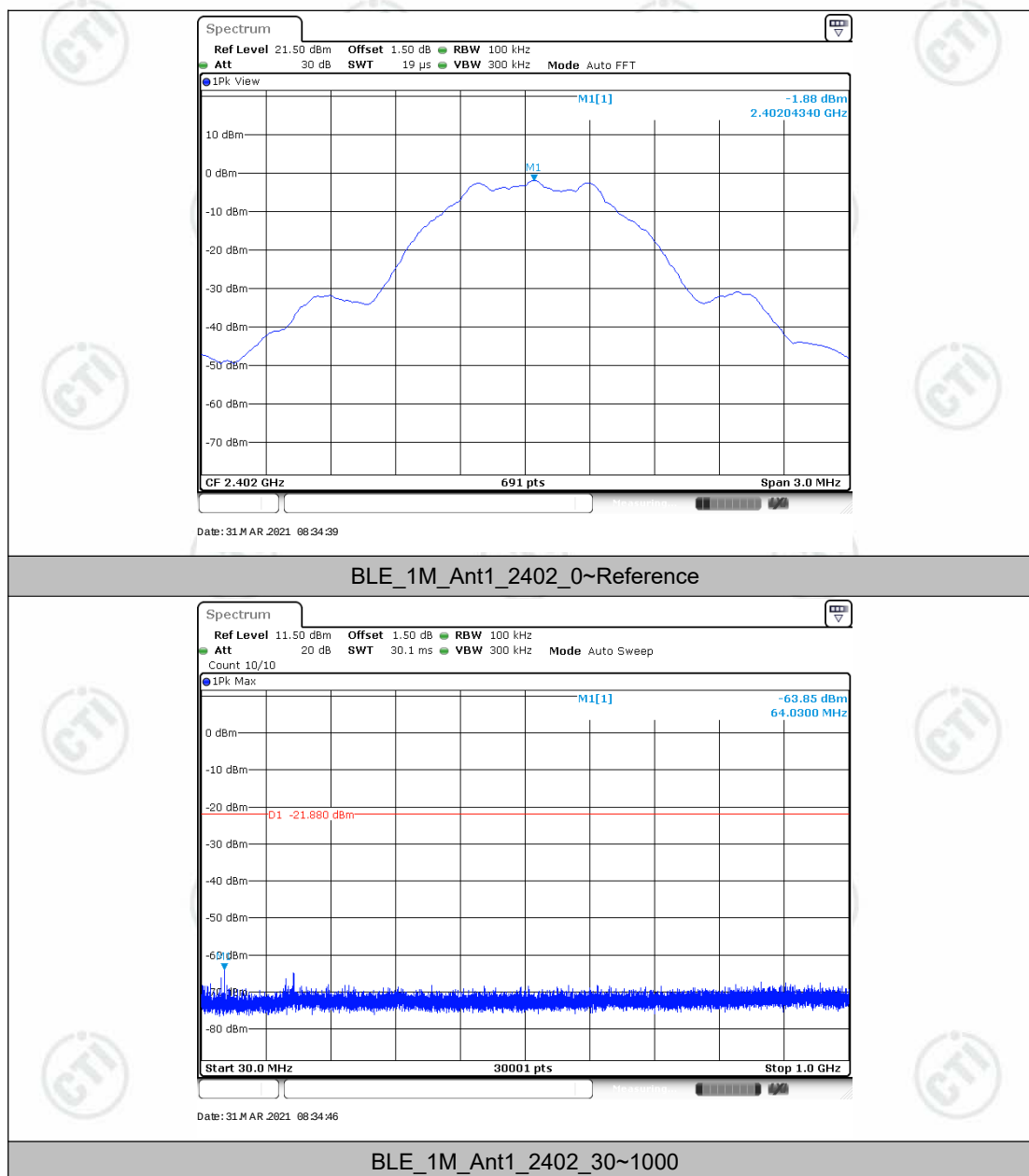


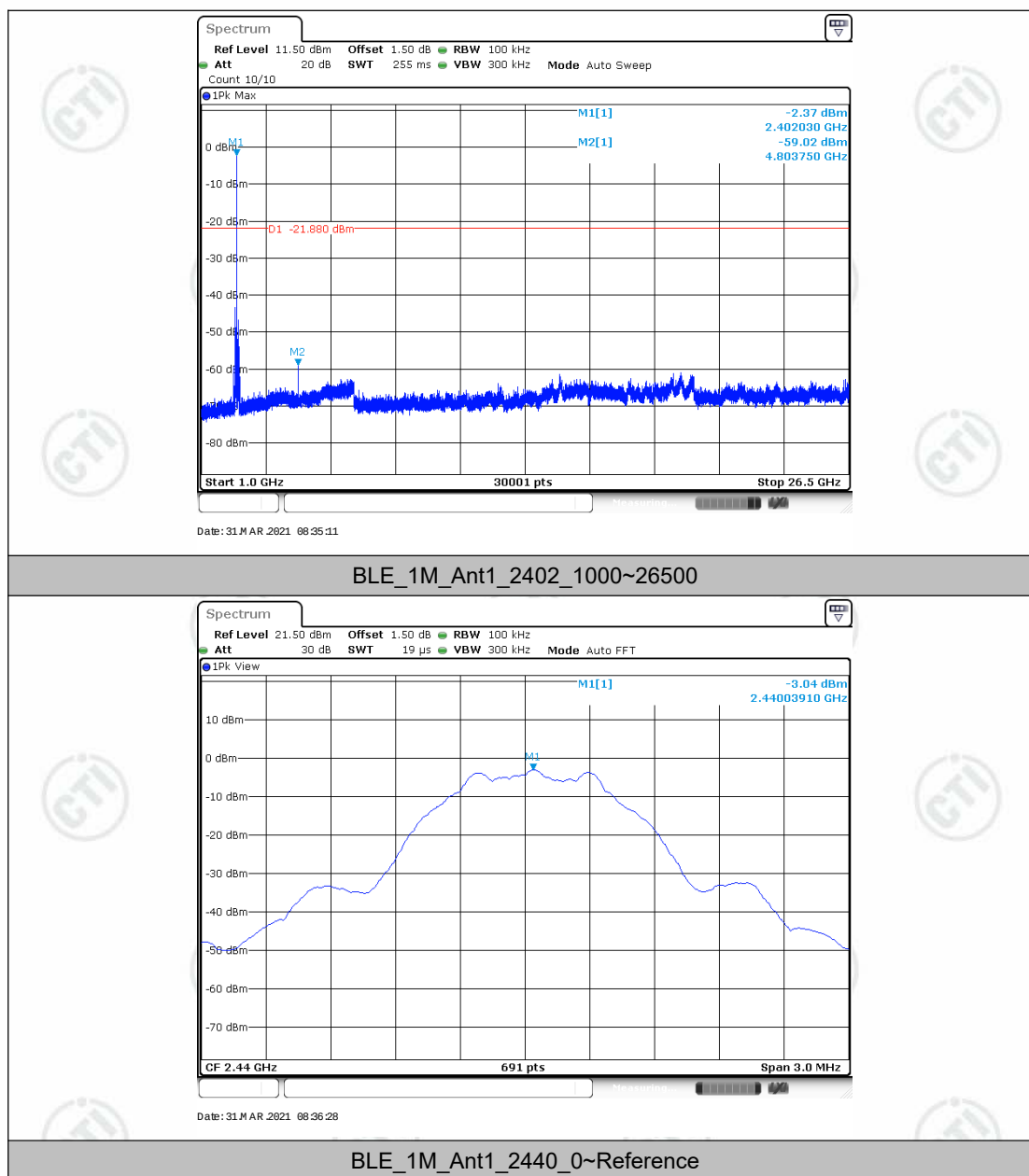
## Appendix F: Conducted Spurious Emission

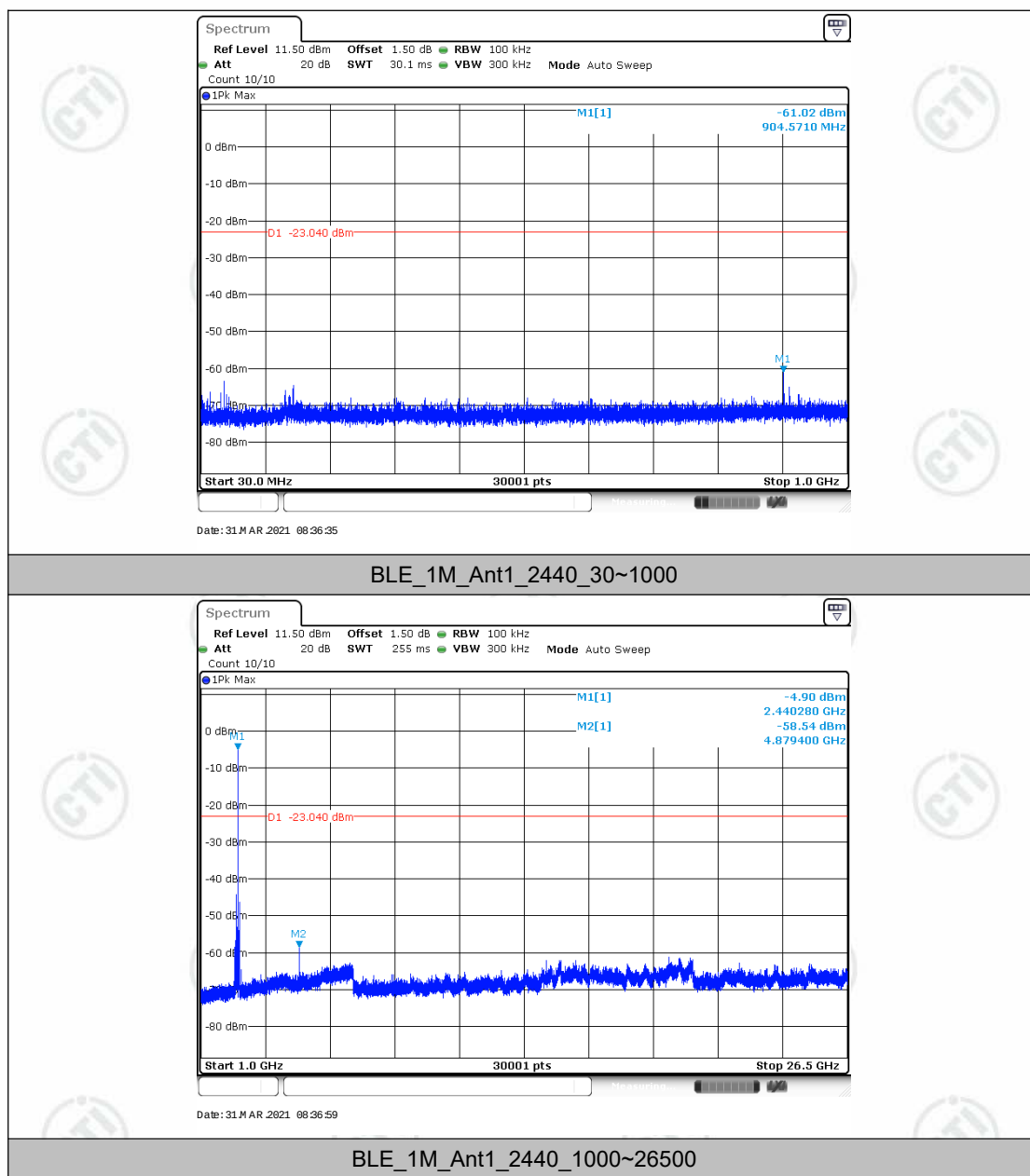
### Test Result

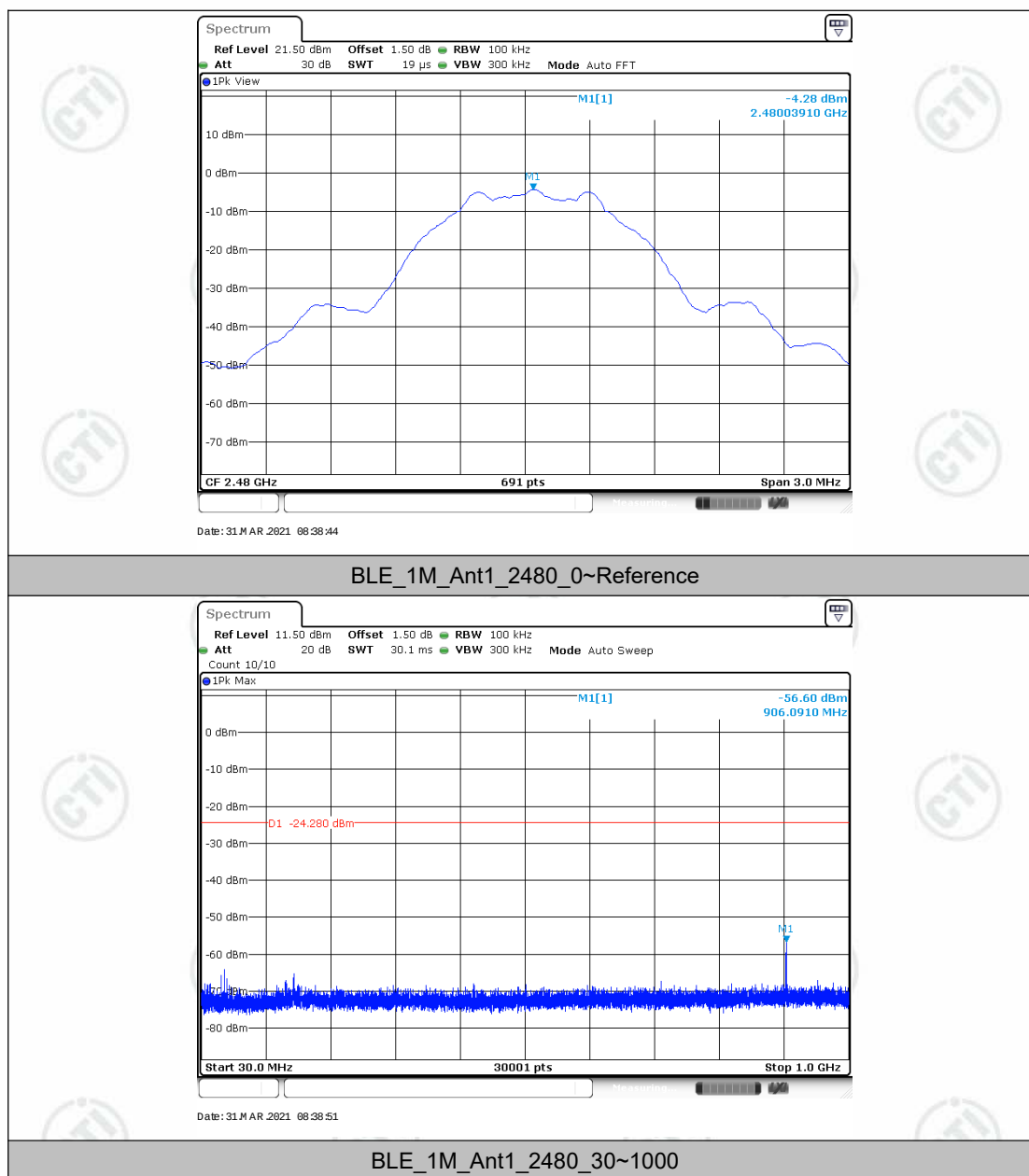
| Test Mode | Antenna | Channel | Freq Range [MHz] | Ref Level [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|------------------|-----------------|-------------|------------|---------|
| BLE_1M    | Ant1    | 2402    | Reference        | -1.88           | -1.88       | ---        | PASS    |
|           |         |         | 30~1000          | -1.88           | -63.85      | <=-21.88   | PASS    |
|           |         |         | 1000~26500       | -1.88           | -59.02      | <=-21.88   | PASS    |
|           |         | 2440    | Reference        | -3.04           | -3.04       | ---        | PASS    |
|           |         |         | 30~1000          | -3.04           | -61.02      | <=-23.04   | PASS    |
|           |         |         | 1000~26500       | -3.04           | -58.54      | <=-23.04   | PASS    |
|           |         | 2480    | Reference        | -4.28           | -4.28       | ---        | PASS    |
|           |         |         | 30~1000          | -4.28           | -56.6       | <=-24.28   | PASS    |
|           |         |         | 1000~26500       | -4.28           | -57.51      | <=-24.28   | PASS    |

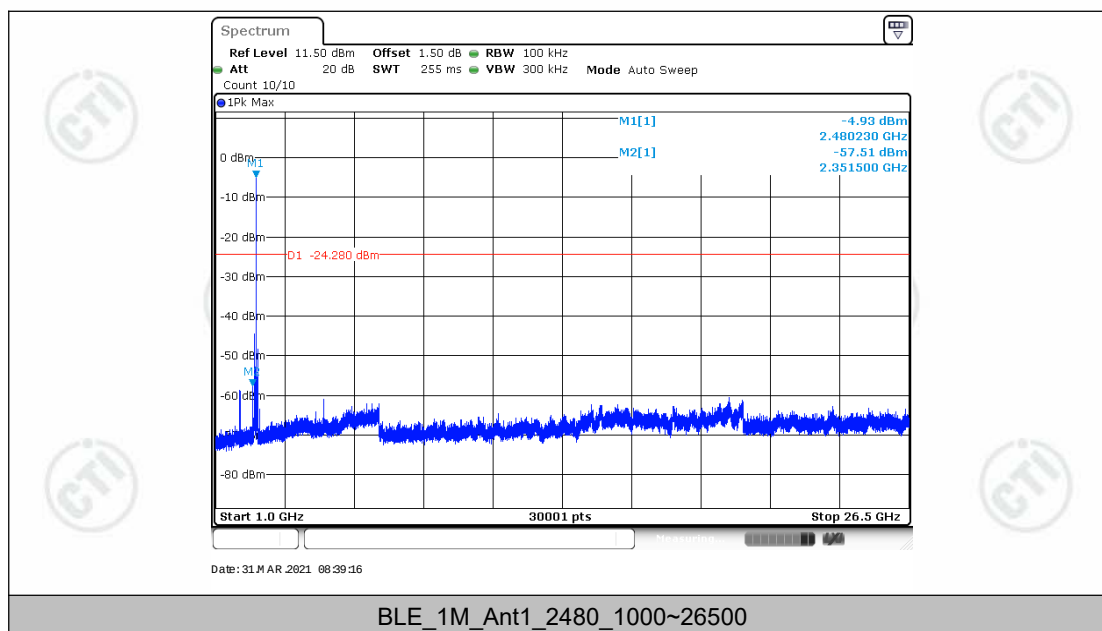
## Test Graphs









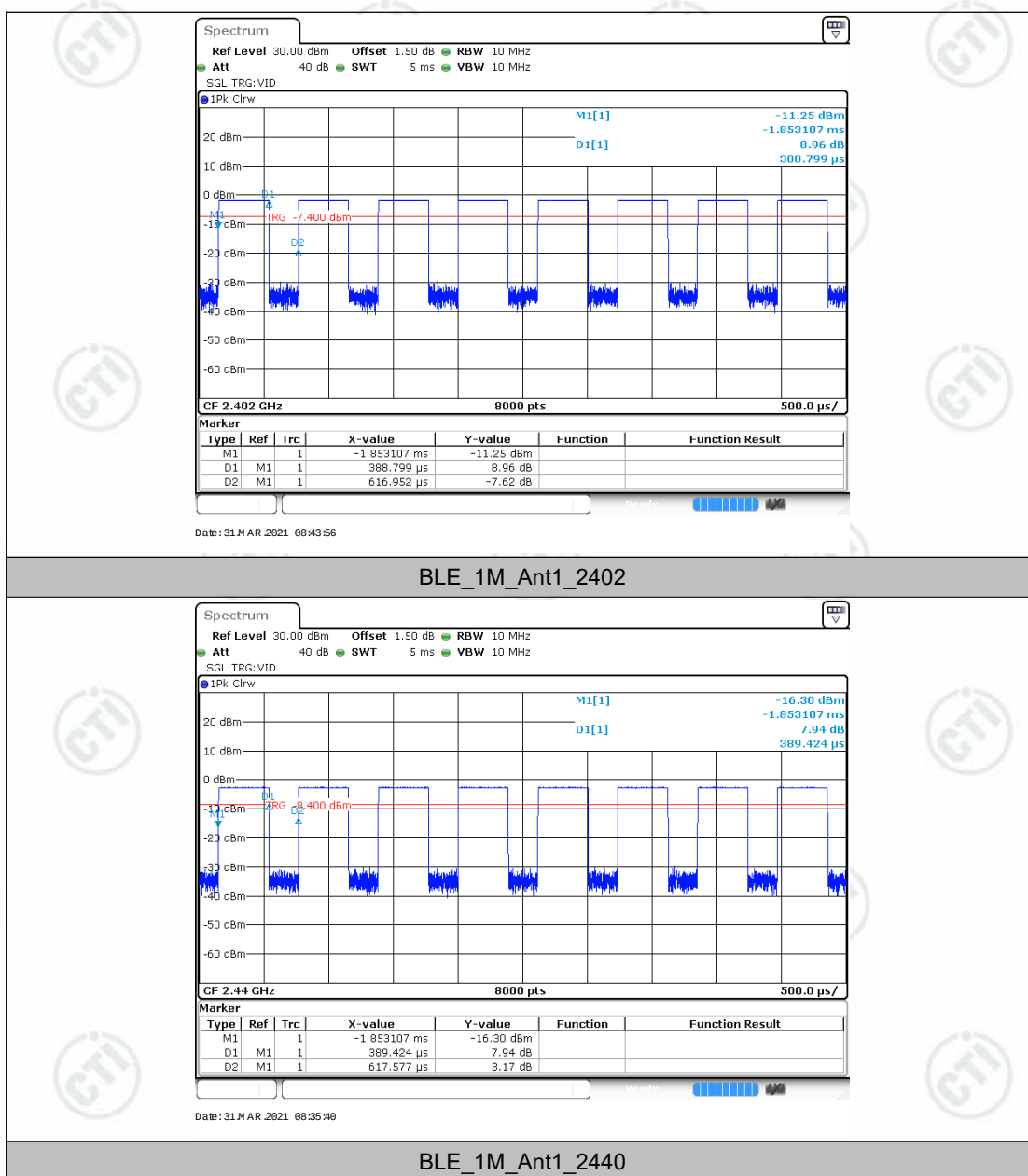


## Appendix G: Duty Cycle

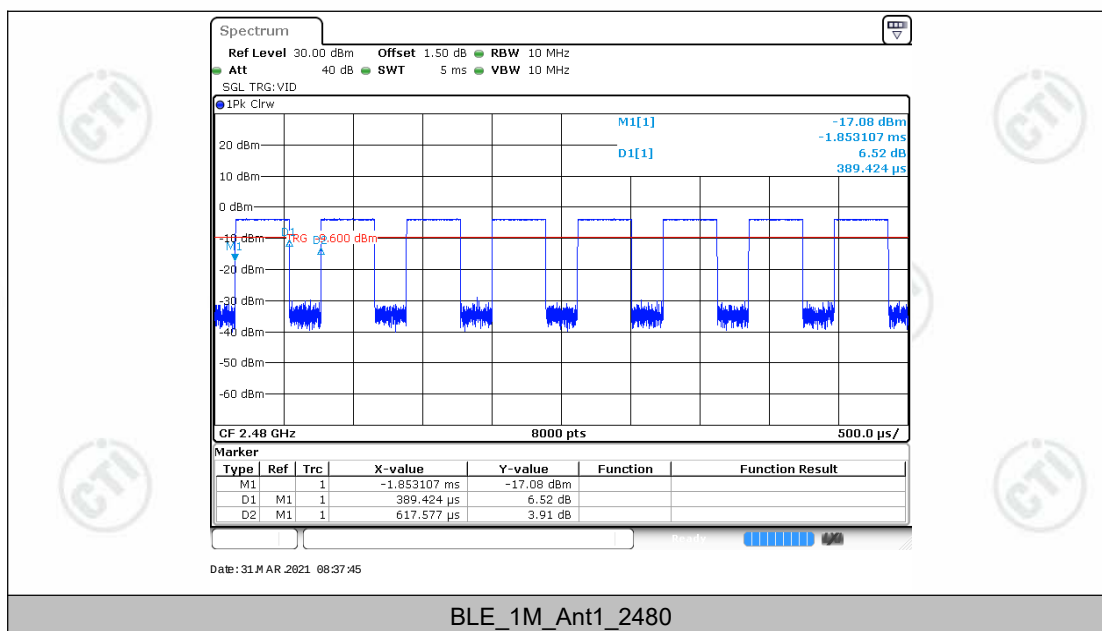
### Test Result

| Test Mode | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| BLE_1M    | Ant1    | 2402    | 0.39                       | 0.62                     | 62.90          | ---   | PASS    |
|           |         | 2440    | 0.39                       | 0.62                     | 62.90          | ---   | PASS    |
|           |         | 2480    | 0.39                       | 0.62                     | 62.90          | ---   | PASS    |

## Test Graphs







\*\*\* End of Report \*\*\*