

## Appendix: Bluetooth LE

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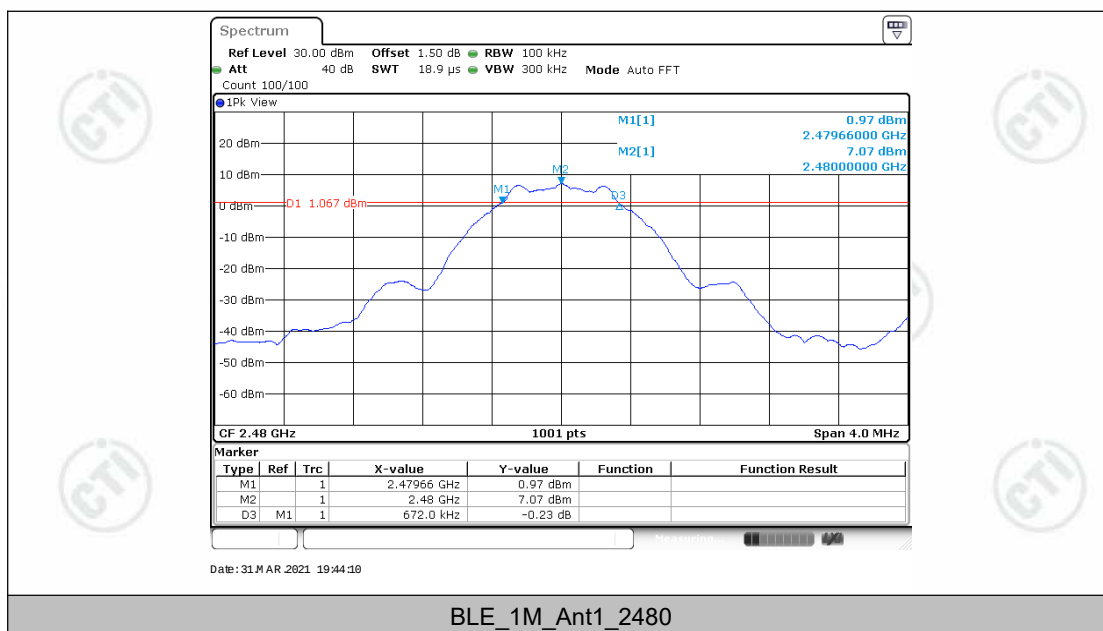
## Appendix A: DTS Bandwidth

### Test Result

| Test Mode | Antenna | Channel | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|--------------|----------|----------|------------|---------|
| BLE_1M    | Ant1    | 2402    | 0.668        | 2401.664 | 2402.332 | 0.5        | PASS    |
|           |         | 2440    | 0.660        | 2439.668 | 2440.328 | 0.5        | PASS    |
|           |         | 2480    | 0.672        | 2479.660 | 2480.332 | 0.5        | PASS    |

## Test Graphs



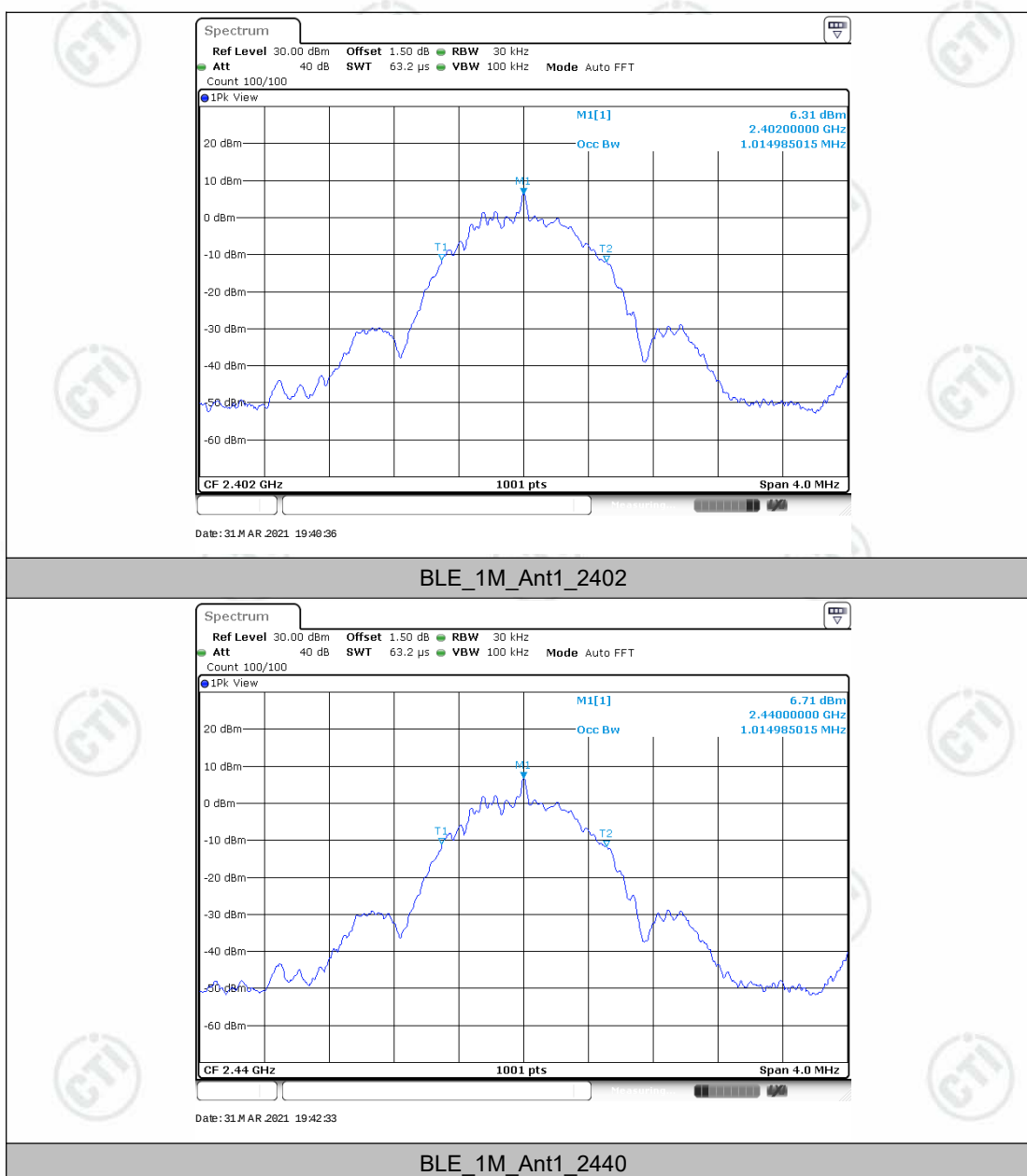


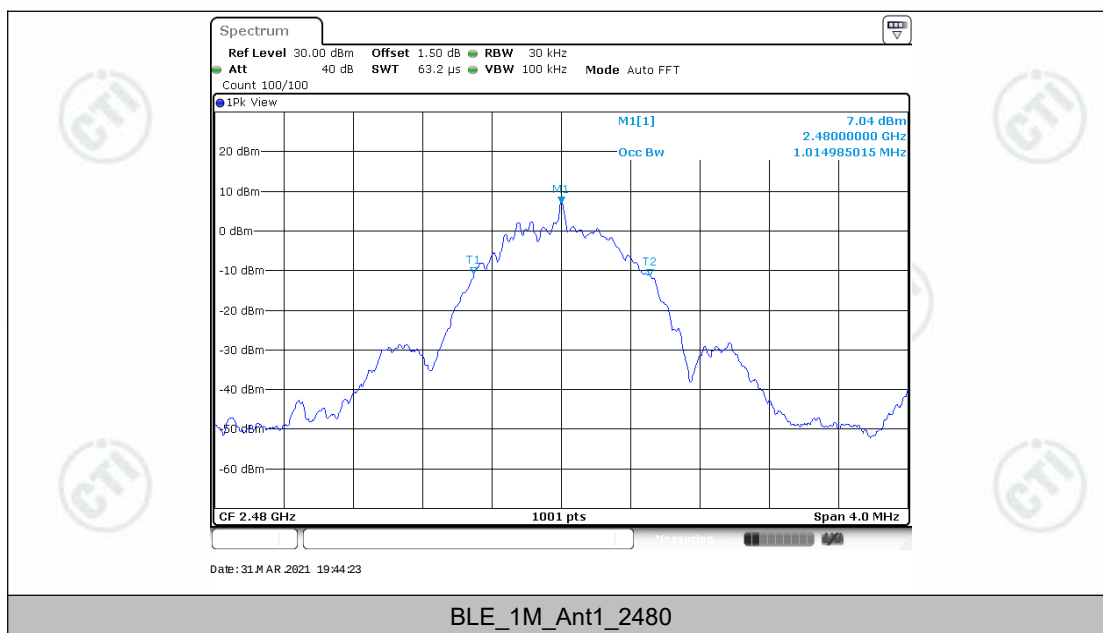
## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| BLE_1M    | Ant1    | 2402    | 1.015     | 2401.497 | 2402.511 | ---        | PASS    |
|           |         | 2440    | 1.015     | 2439.497 | 2440.511 | ---        | PASS    |
|           |         | 2480    | 1.015     | 2479.497 | 2480.511 | ---        | PASS    |

## Test Graphs



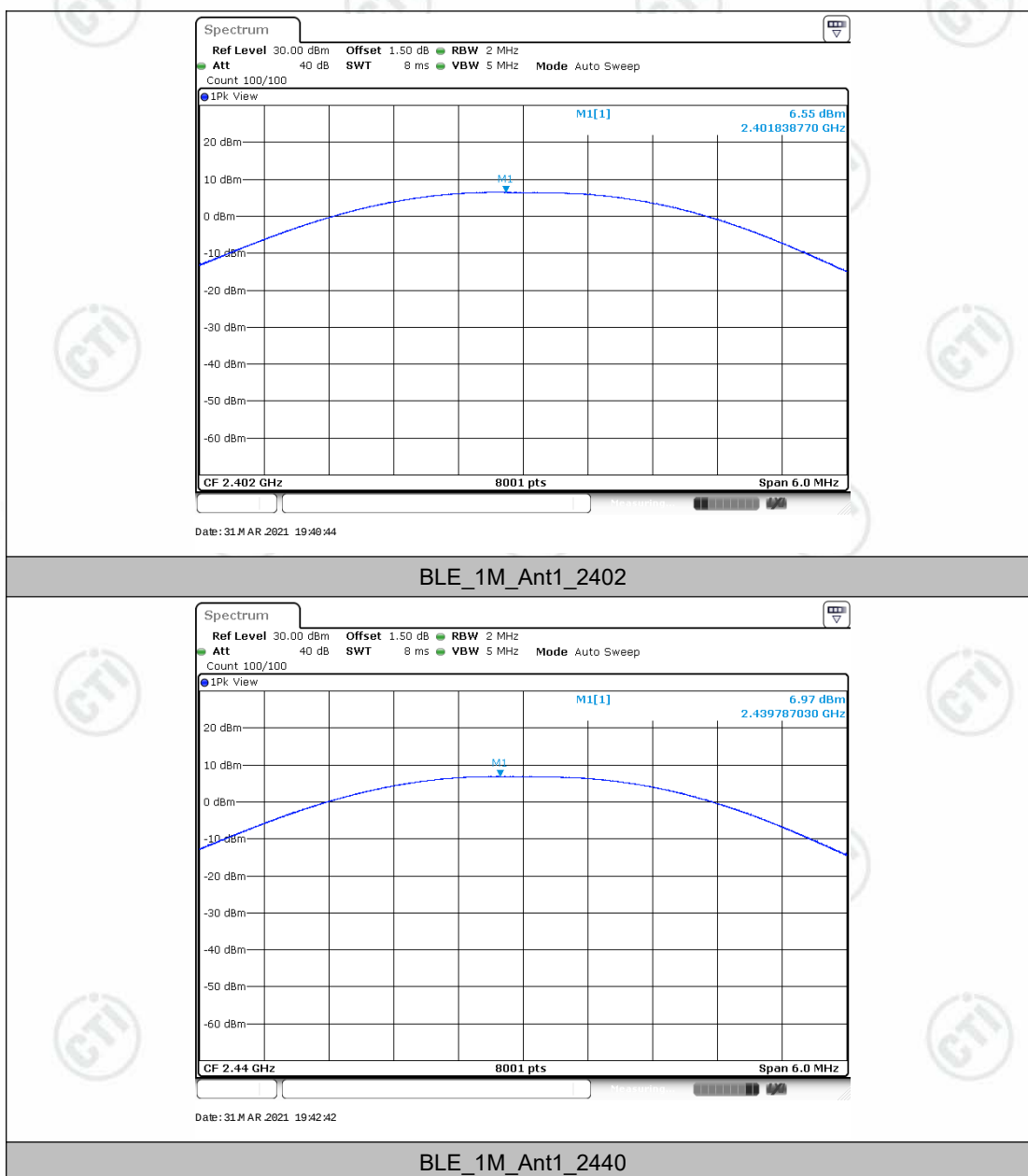


## Appendix C: Maximum conducted output power

### Test Result

| Test Mode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| BLE_1M    | Ant1    | 2402    | 6.55        | <=30       | PASS    |
|           |         | 2440    | 6.97        | <=30       | PASS    |
|           |         | 2480    | 7.30        | <=30       | PASS    |

## Test Graphs



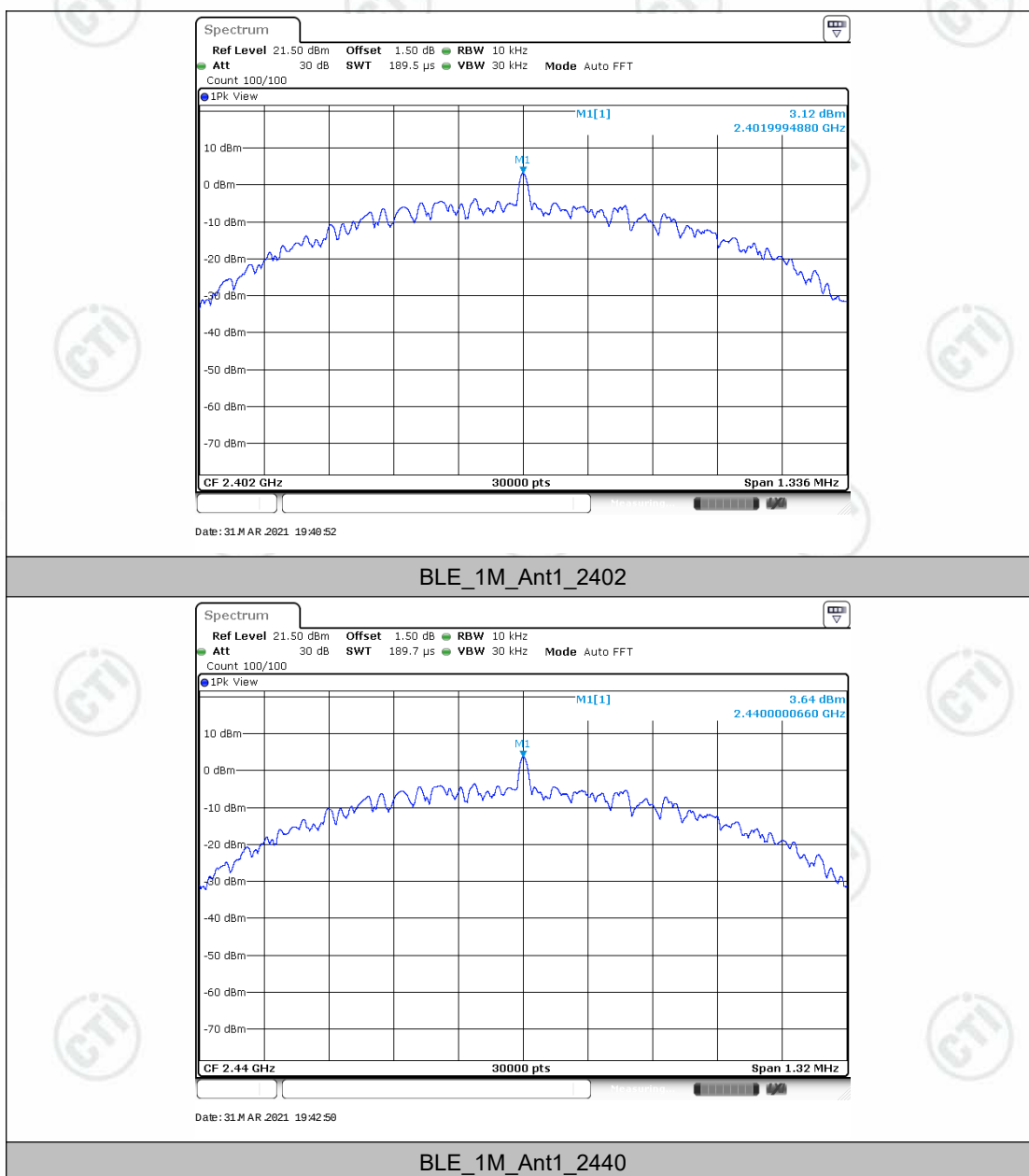


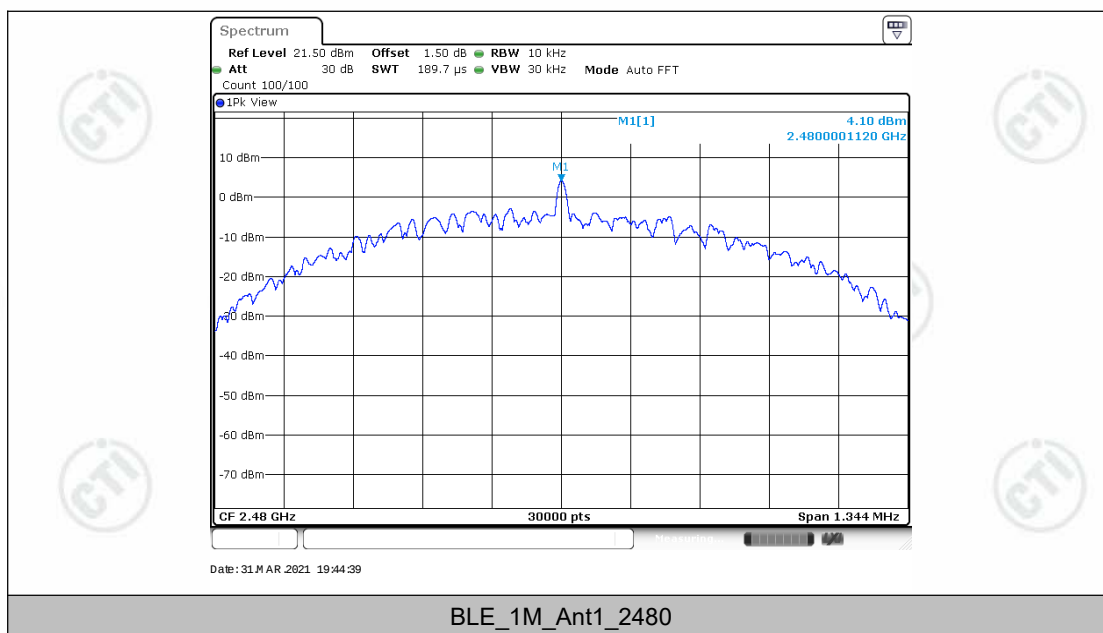
## Appendix D: Maximum power spectral density

### Test Result

| Test Mode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| BLE_1M    | Ant1    | 2402    | 3.12                 | <=8             | PASS    |
|           |         | 2440    | 3.64                 | <=8             | PASS    |
|           |         | 2480    | 4.1                  | <=8             | PASS    |

## Test Graphs



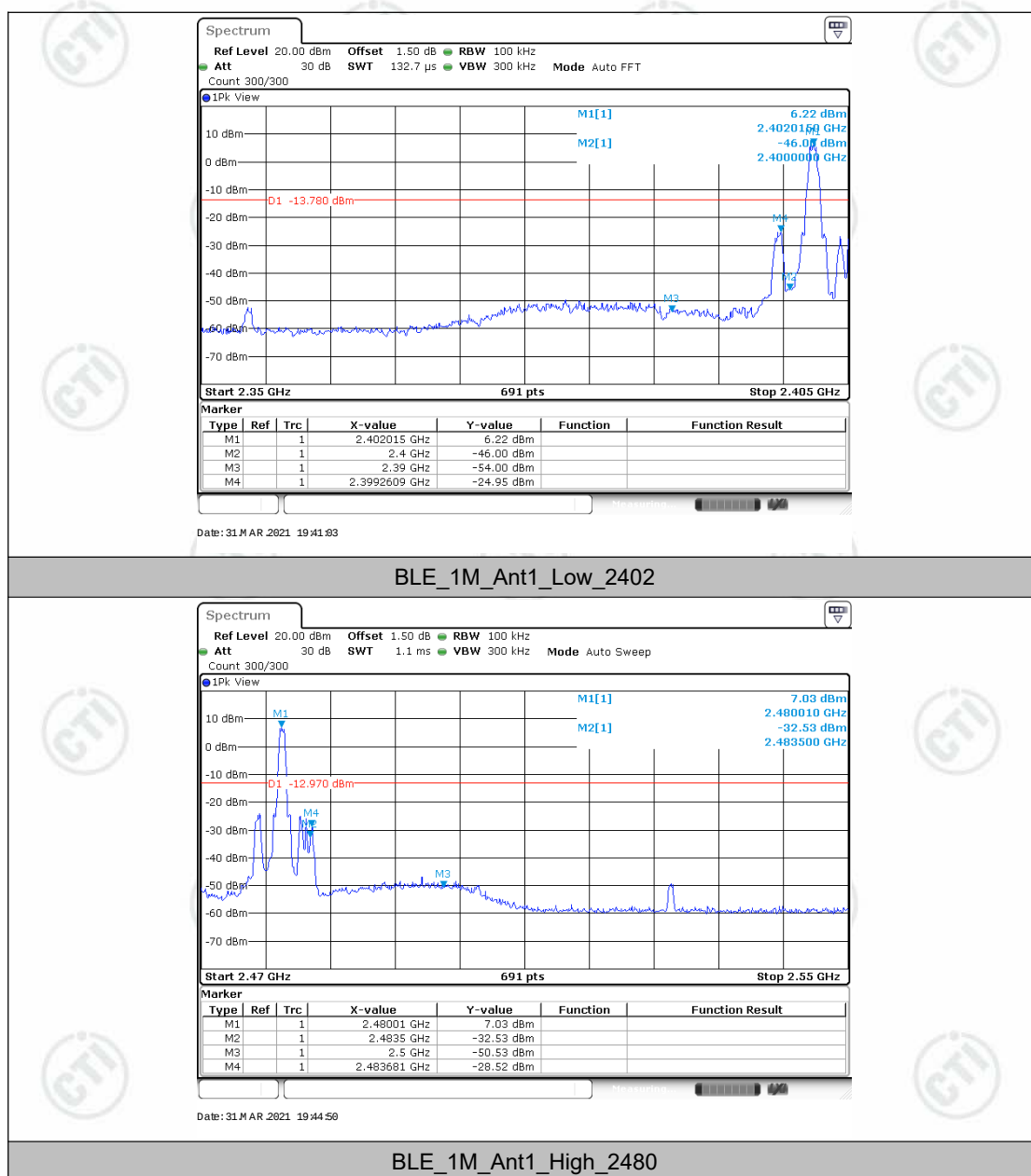


## Appendix E: Band edge measurements

### Test Result

| Test Mode | Antenna | Ch Name | Channel | Ref Level[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|---------|----------------|-------------|------------|---------|
| BLE_1M    | Ant1    | Low     | 2402    | 6.22           | -24.95      | <=-13.78   | PASS    |
|           |         | High    | 2480    | 7.03           | -28.52      | <=-12.97   | PASS    |

## Test Graphs

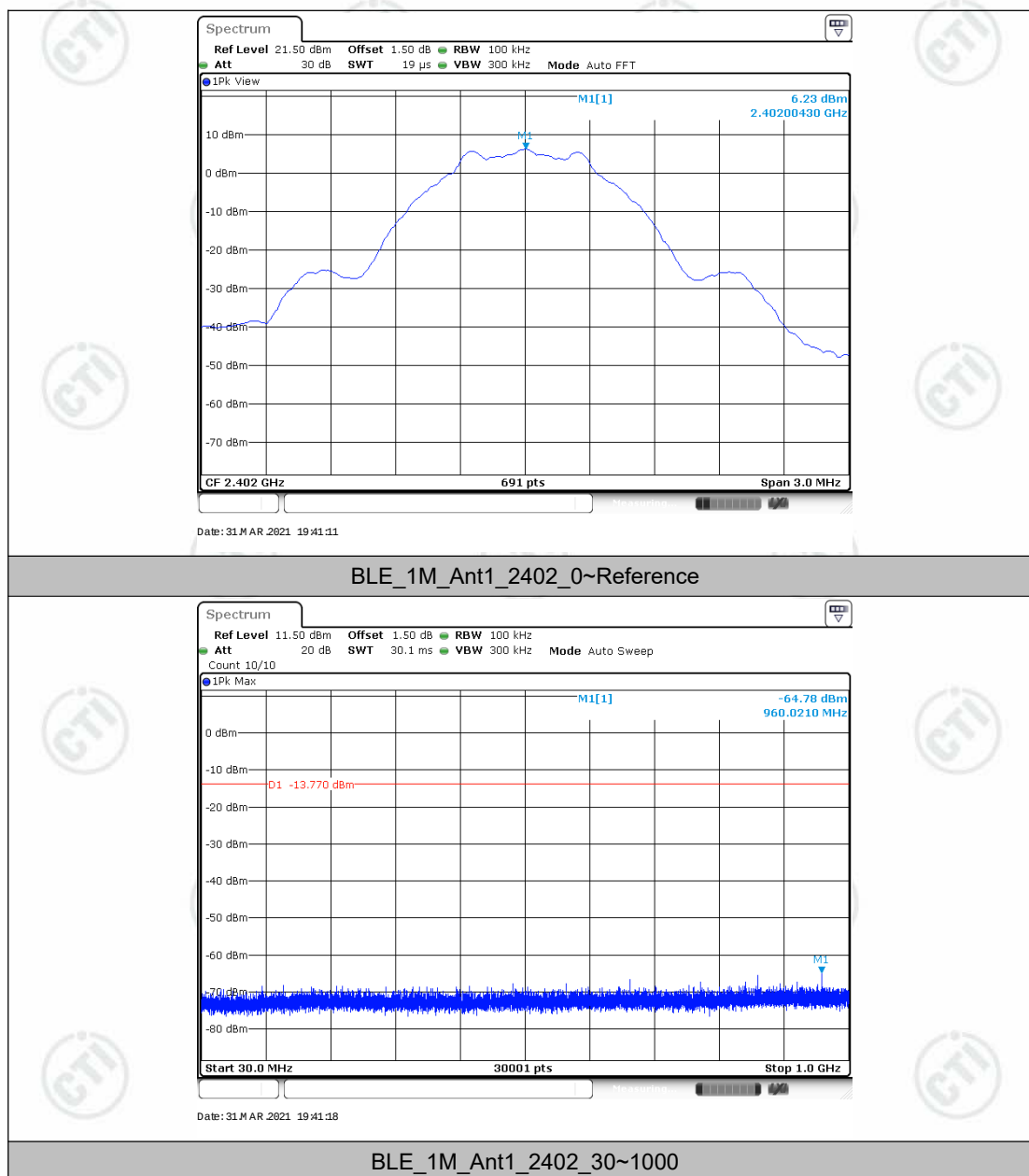


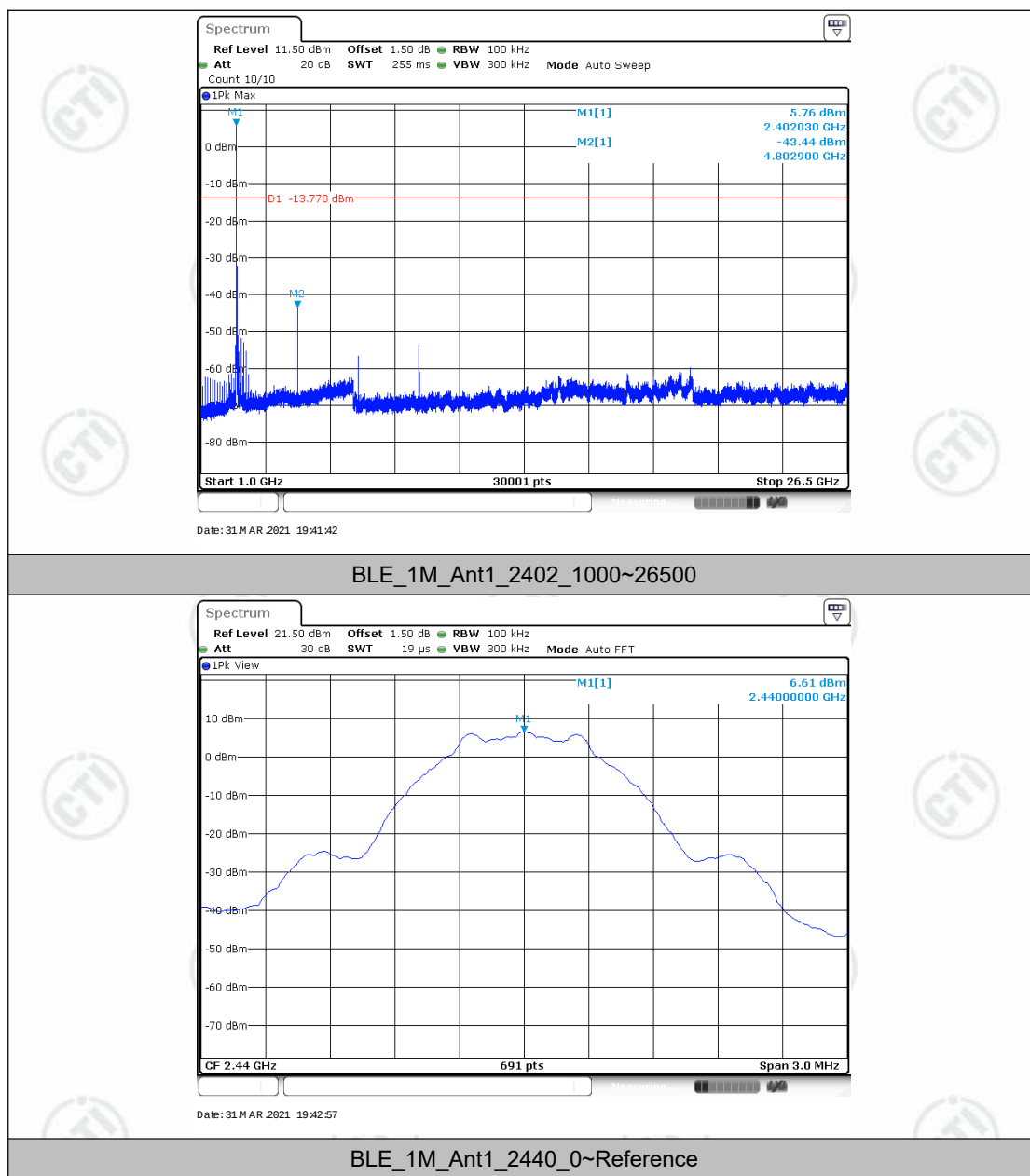
## Appendix F: Conducted Spurious Emission

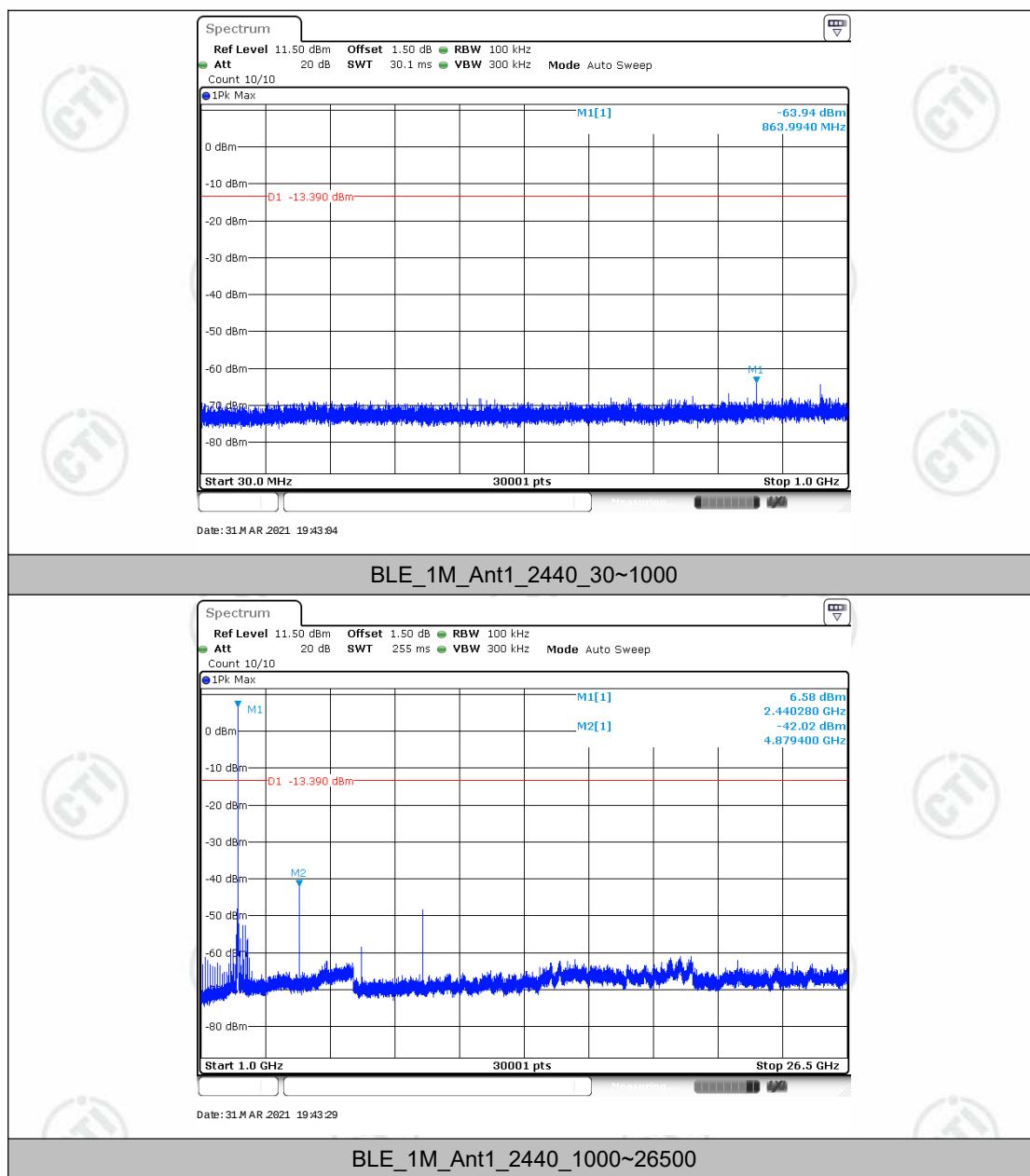
### Test Result

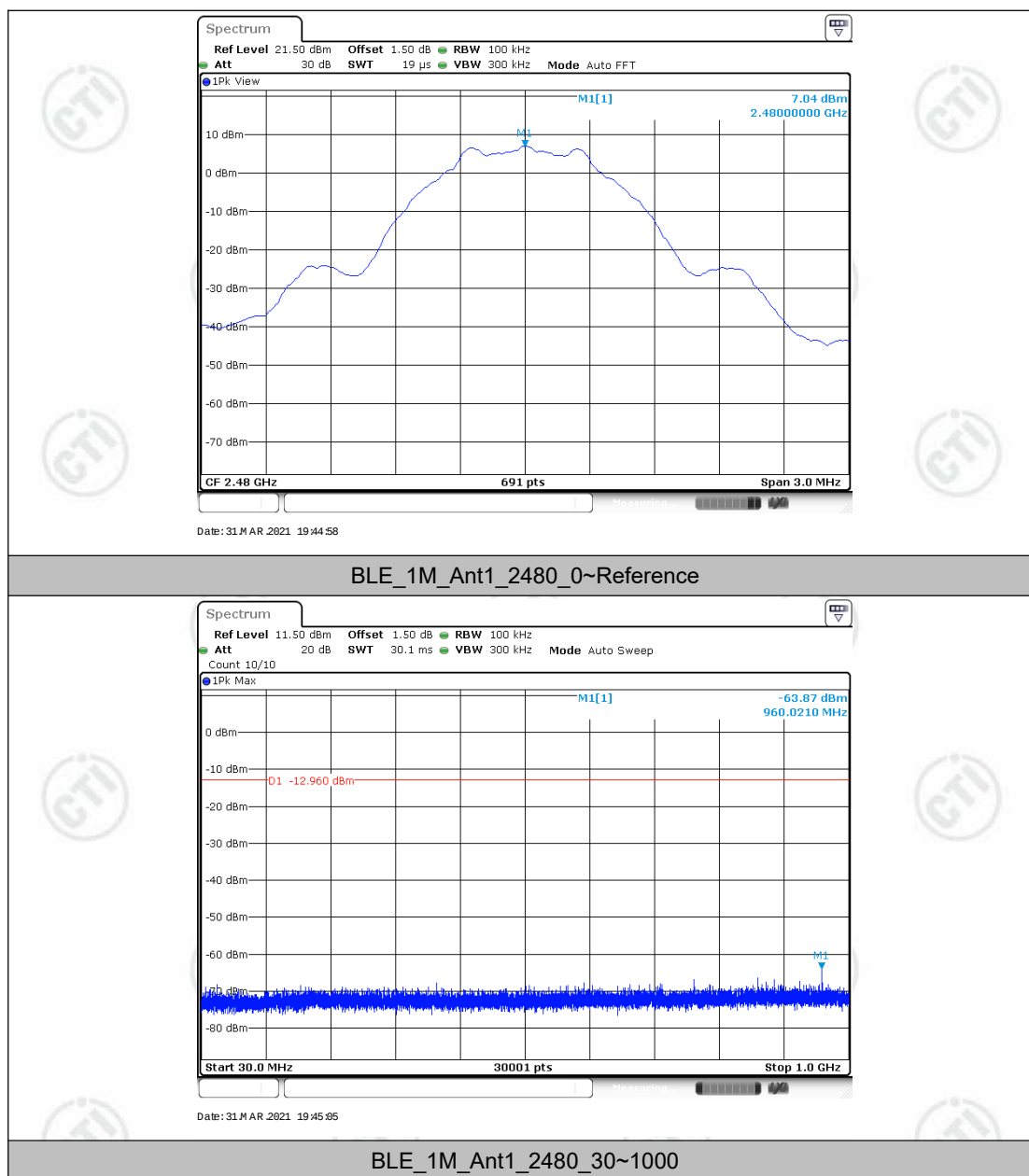
| Test Mode | Antenna | Channel | Freq Range [MHz] | Ref Level [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|------------------|-----------------|-------------|------------|---------|
| BLE_1M    | Ant1    | 2402    | Reference        | 6.23            | 6.23        | ---        | PASS    |
|           |         |         | 30~1000          | 6.23            | -64.78      | <=-13.77   | PASS    |
|           |         |         | 1000~26500       | 6.23            | -43.44      | <=-13.77   | PASS    |
|           |         | 2440    | Reference        | 6.61            | 6.61        | ---        | PASS    |
|           |         |         | 30~1000          | 6.61            | -63.94      | <=-13.39   | PASS    |
|           |         |         | 1000~26500       | 6.61            | -42.02      | <=-13.39   | PASS    |
|           |         | 2480    | Reference        | 7.04            | 7.04        | ---        | PASS    |
|           |         |         | 30~1000          | 7.04            | -63.87      | <=-12.96   | PASS    |
|           |         |         | 1000~26500       | 7.04            | -41.21      | <=-12.96   | PASS    |

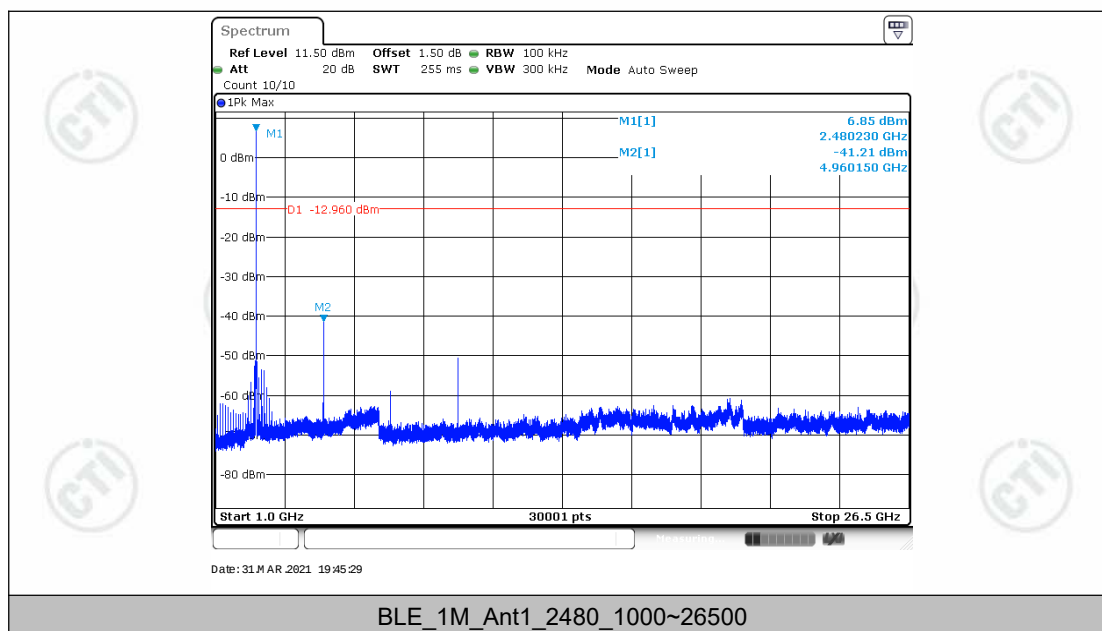
## Test Graphs









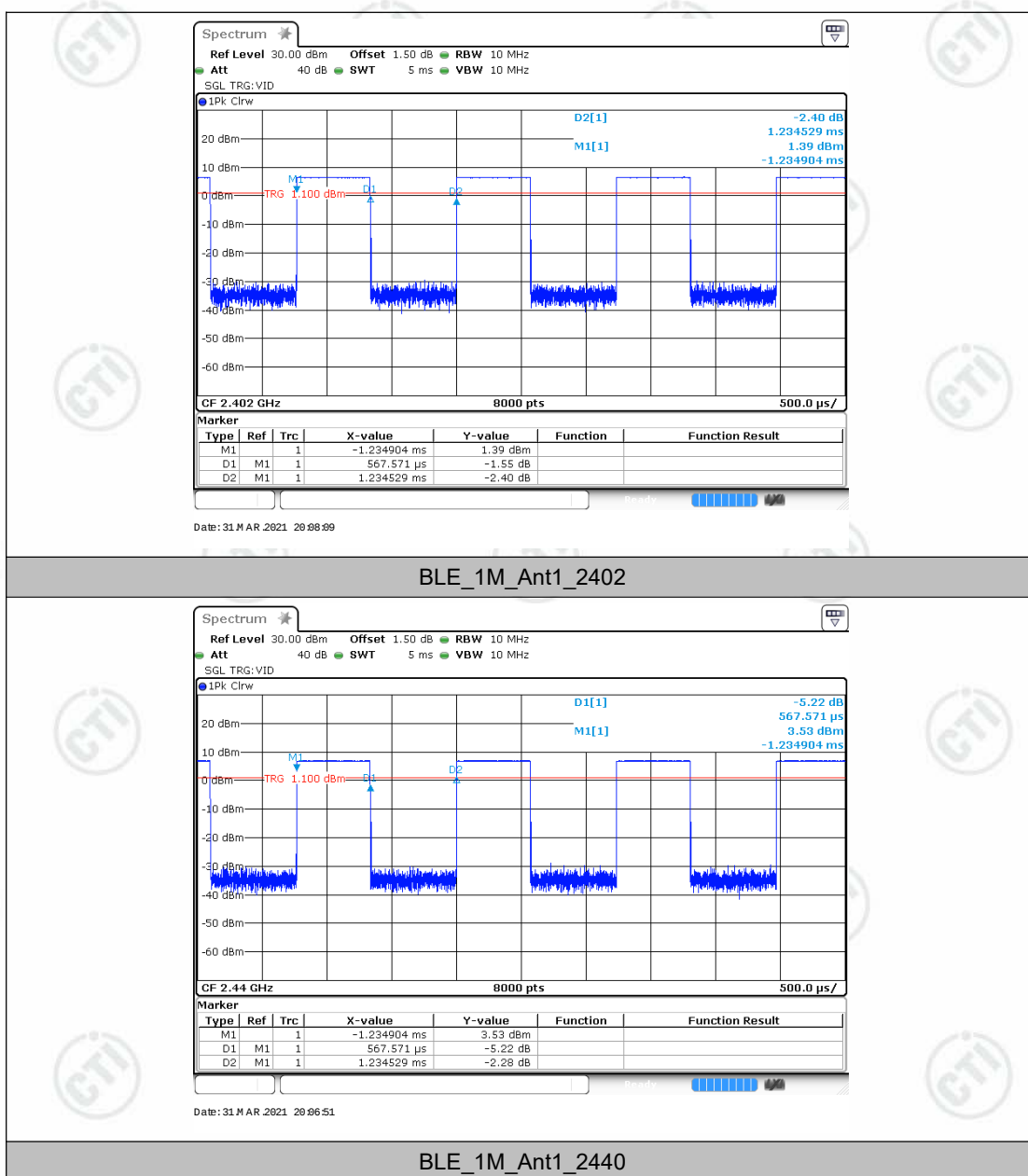


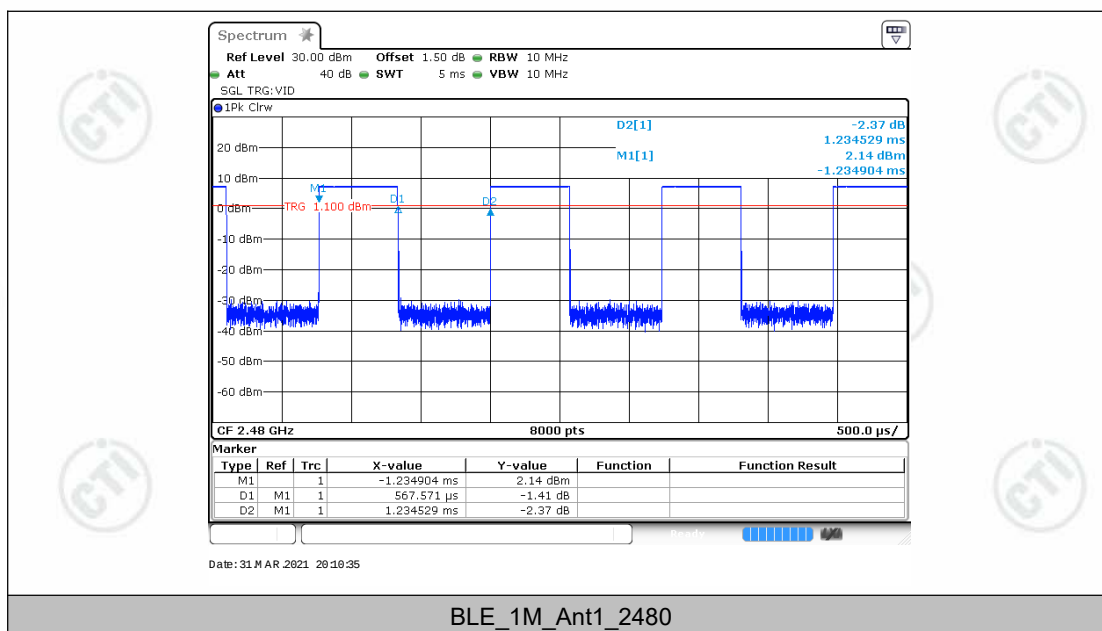
## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| BLE_1M    | Ant1    | 2402    | 0.56751                    | 1.234529                 | 45.97          | ---   | PASS    |
|           |         | 2440    | 0.56751                    | 1.234529                 | 45.97          | ---   | PASS    |
|           |         | 2480    | 0.56751                    | 1.234529                 | 45.97          | ---   | PASS    |

## Test Graphs





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