

## Appendix: Bluetooth LE

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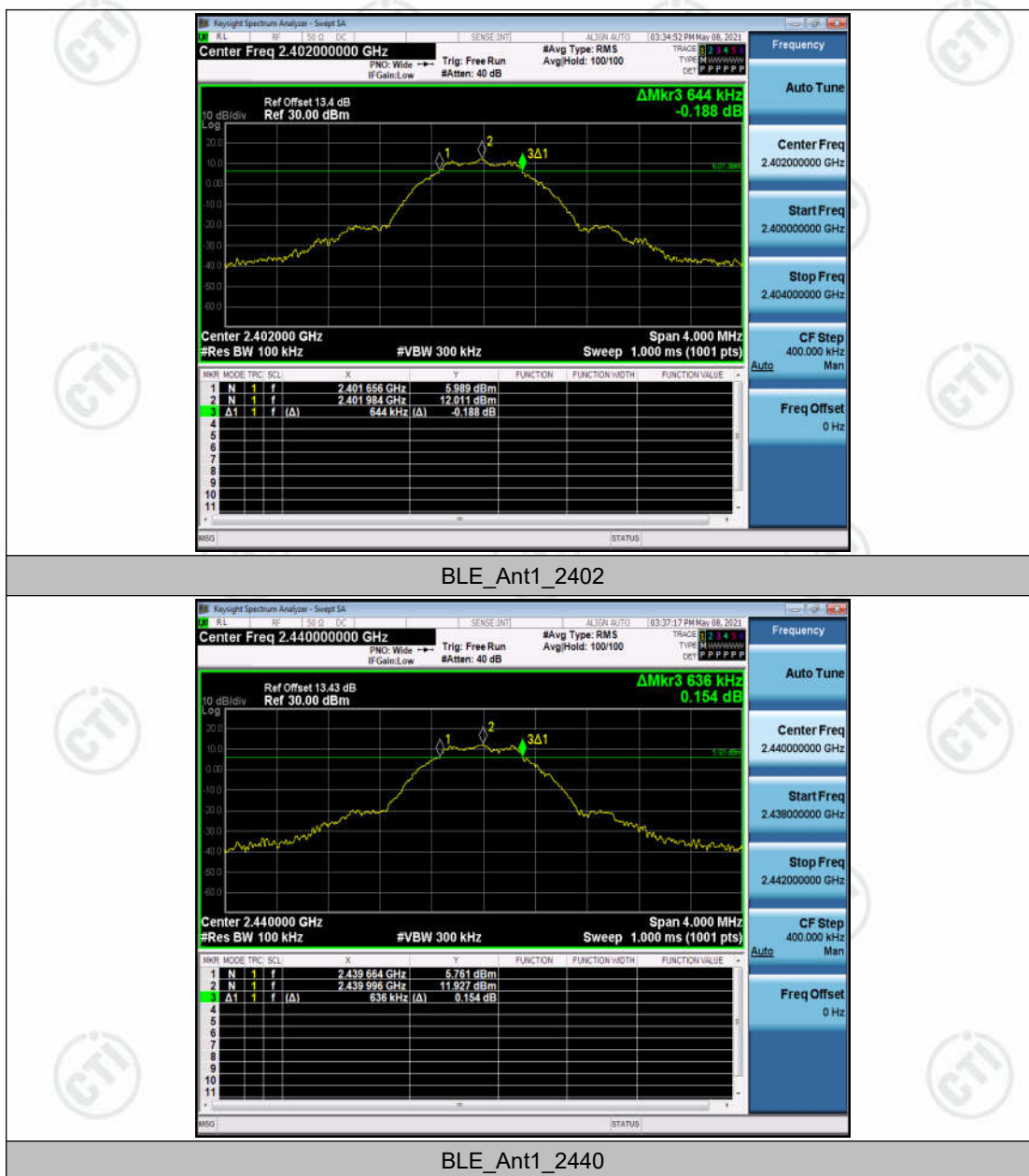
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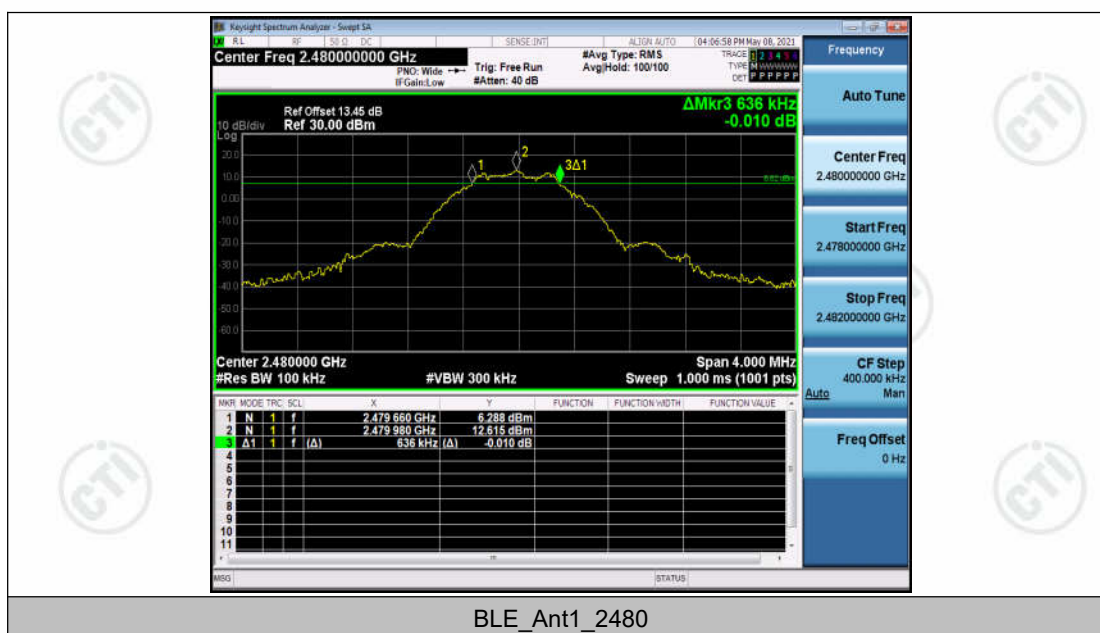
## Appendix A: DTS Bandwidth

### Test Result

| Test Mode | Antenna | Channel | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|--------------|----------|----------|------------|---------|
| BLE       | Ant1    | 2402    | 0.644        | 2401.656 | 2402.300 | 0.5        | PASS    |
|           |         | 2440    | 0.636        | 2439.664 | 2440.300 | 0.5        | PASS    |
|           |         | 2480    | 0.636        | 2479.660 | 2480.296 | 0.5        | PASS    |

## Test Graphs





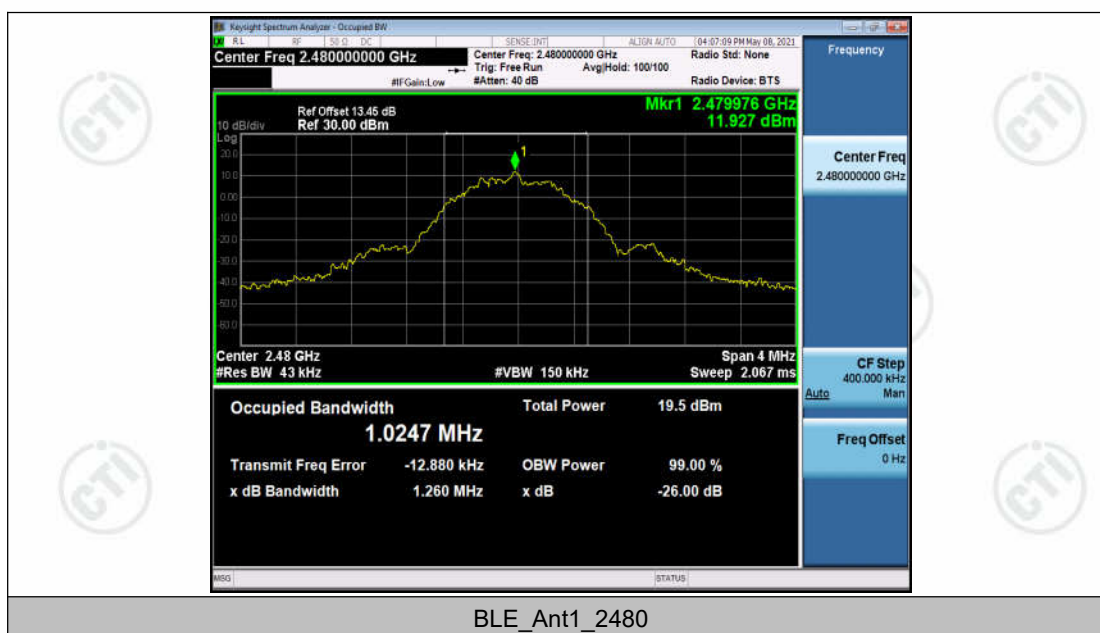
## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| BLE       | Ant1    | 2402    | 1.0232    | 2401.477 | 2402.500 | ---        | PASS    |
|           |         | 2440    | 1.0203    | 2439.477 | 2440.497 | ---        | PASS    |
|           |         | 2480    | 1.0247    | 2479.475 | 2480.499 | ---        | PASS    |

## Test Graphs



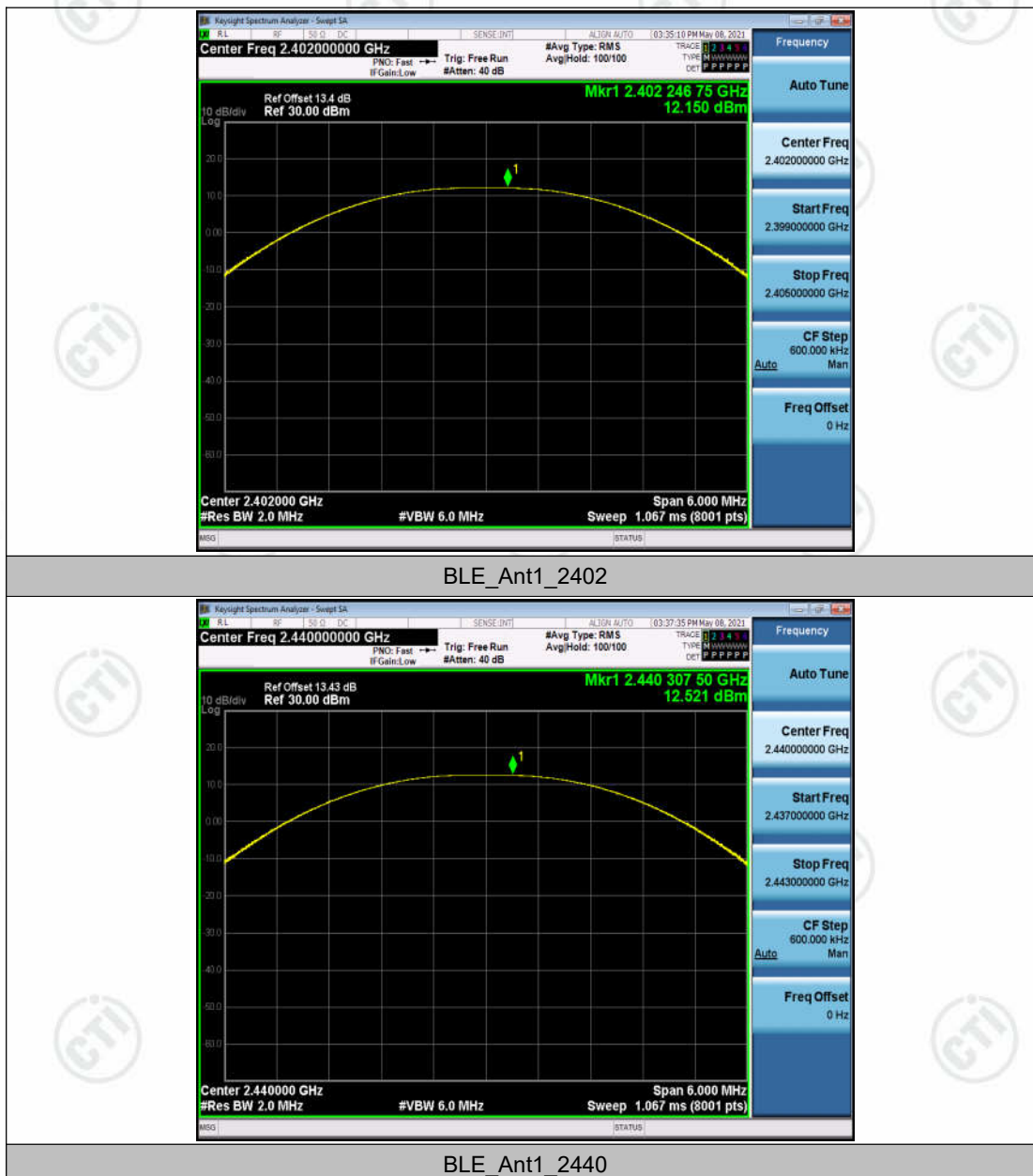


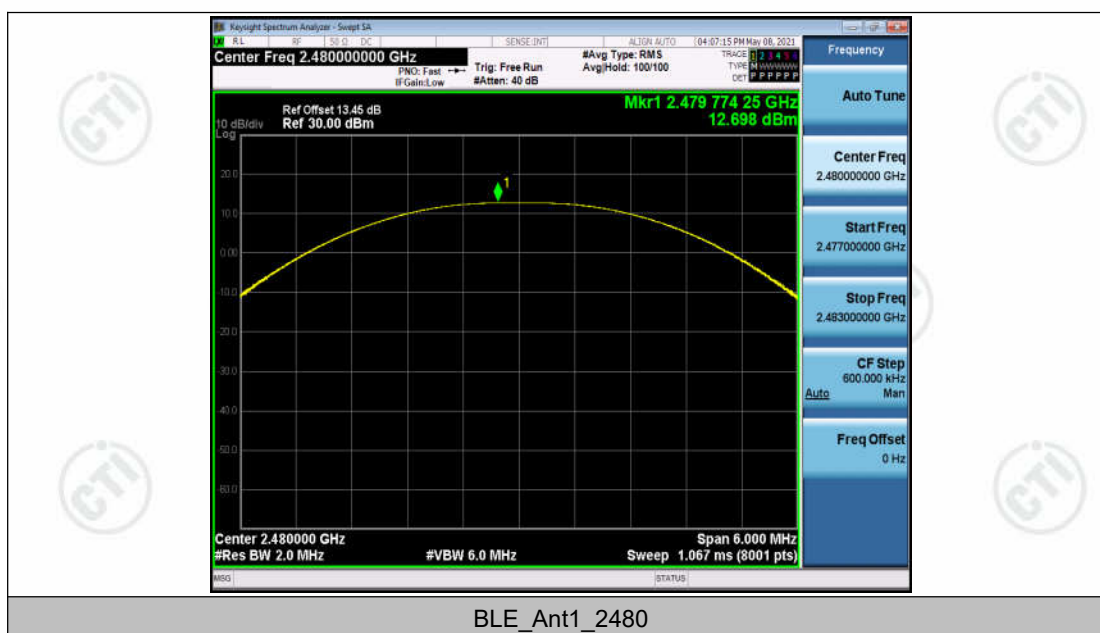
## Appendix C: Maximum conducted output power

### Test Result

| Test Mode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| BLE       | Ant1    | 2402    | 12.15       | <=30       | PASS    |
|           |         | 2440    | 12.52       | <=30       | PASS    |
|           |         | 2480    | 12.7        | <=30       | PASS    |

## Test Graphs



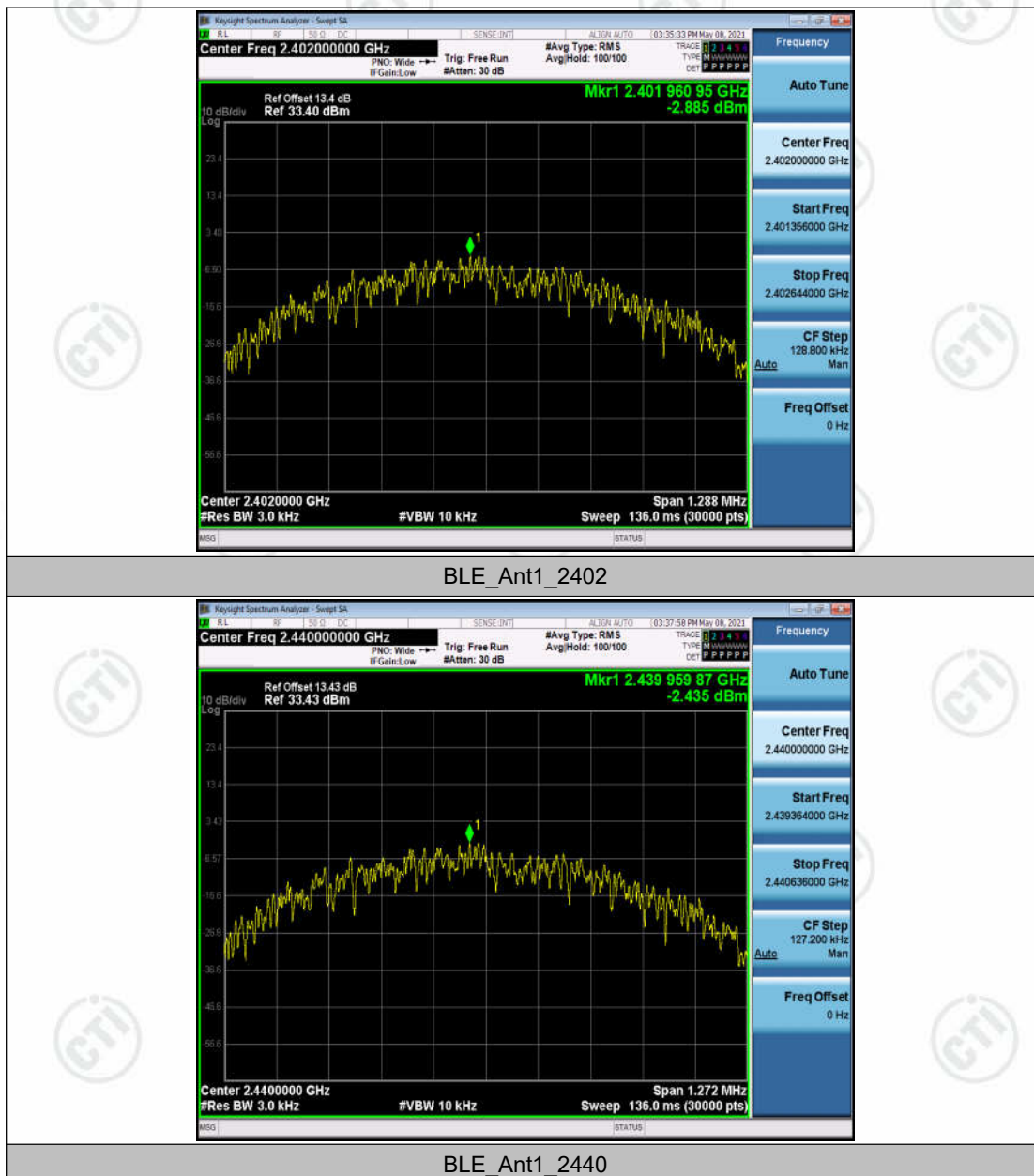


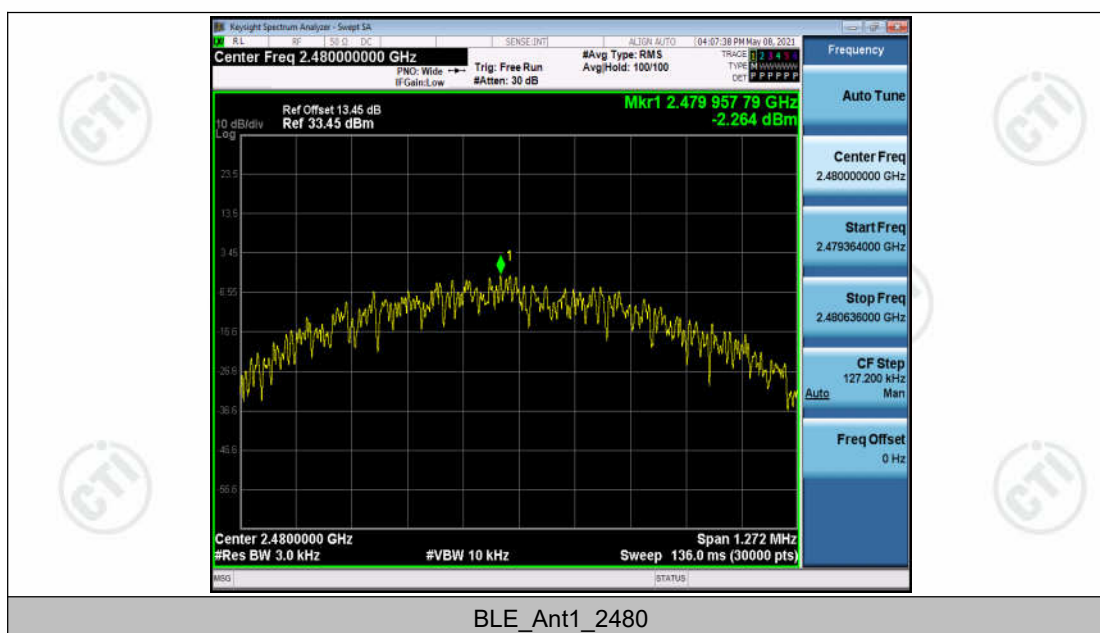
## Appendix D: Maximum power spectral density

### Test Result

| Test Mode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| BLE       | Ant1    | 2402    | -2.89                | <=8             | PASS    |
|           |         | 2440    | -2.44                | <=8             | PASS    |
|           |         | 2480    | -2.26                | <=8             | PASS    |

## Test Graphs



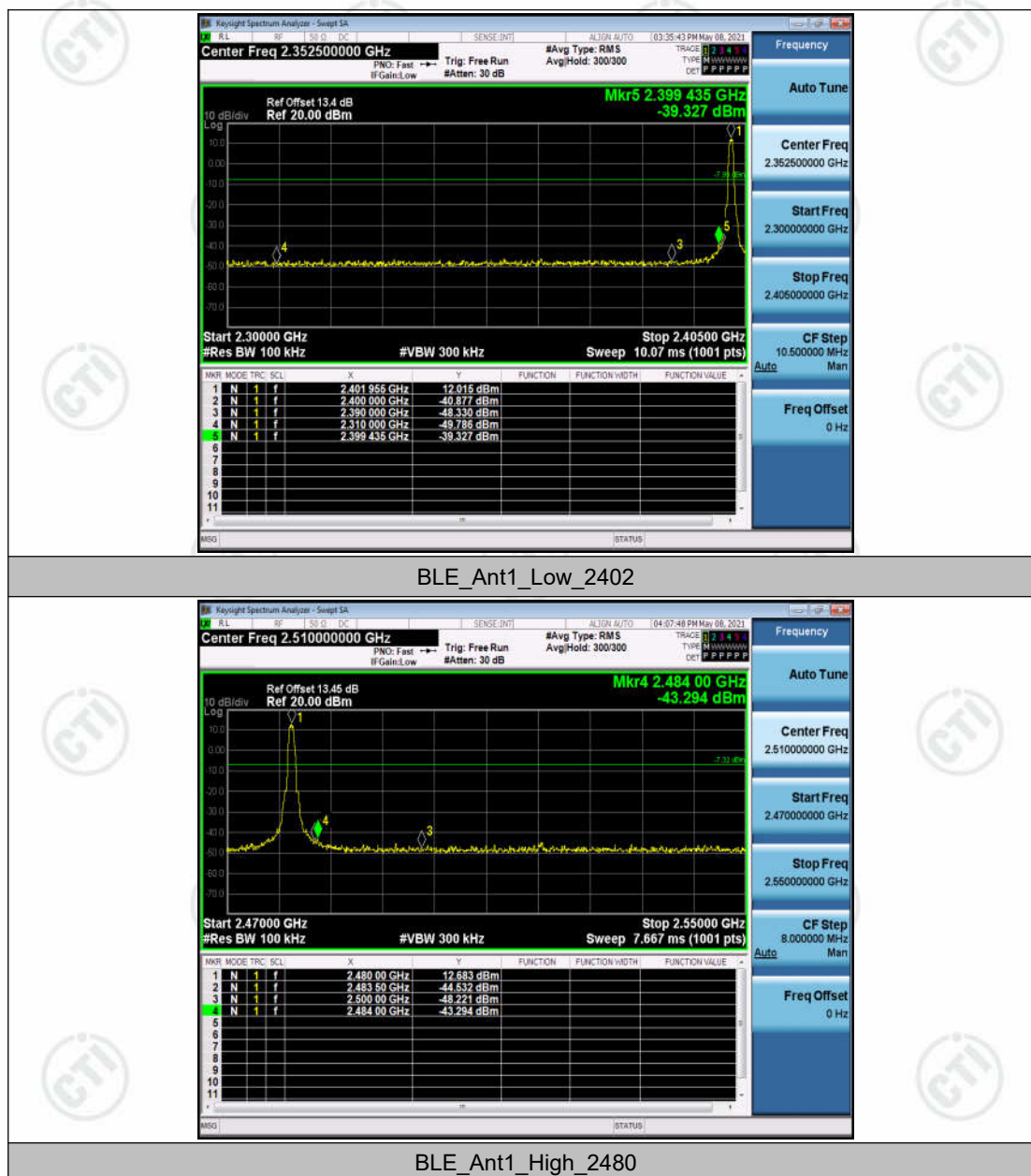


## Appendix E: Band edge measurements

### Test Result

| Test Mode | Antenna | Ch Name | Channel | Ref Level[dBm] | Result[dBm] | Limit[dBm]   | Verdict |
|-----------|---------|---------|---------|----------------|-------------|--------------|---------|
| BLE       | Ant1    | Low     | 2402    | 12.02          | -39.33      | $\leq -7.99$ | PASS    |
|           |         | High    | 2480    | 12.68          | -43.29      | $\leq -7.32$ | PASS    |

## Test Graphs

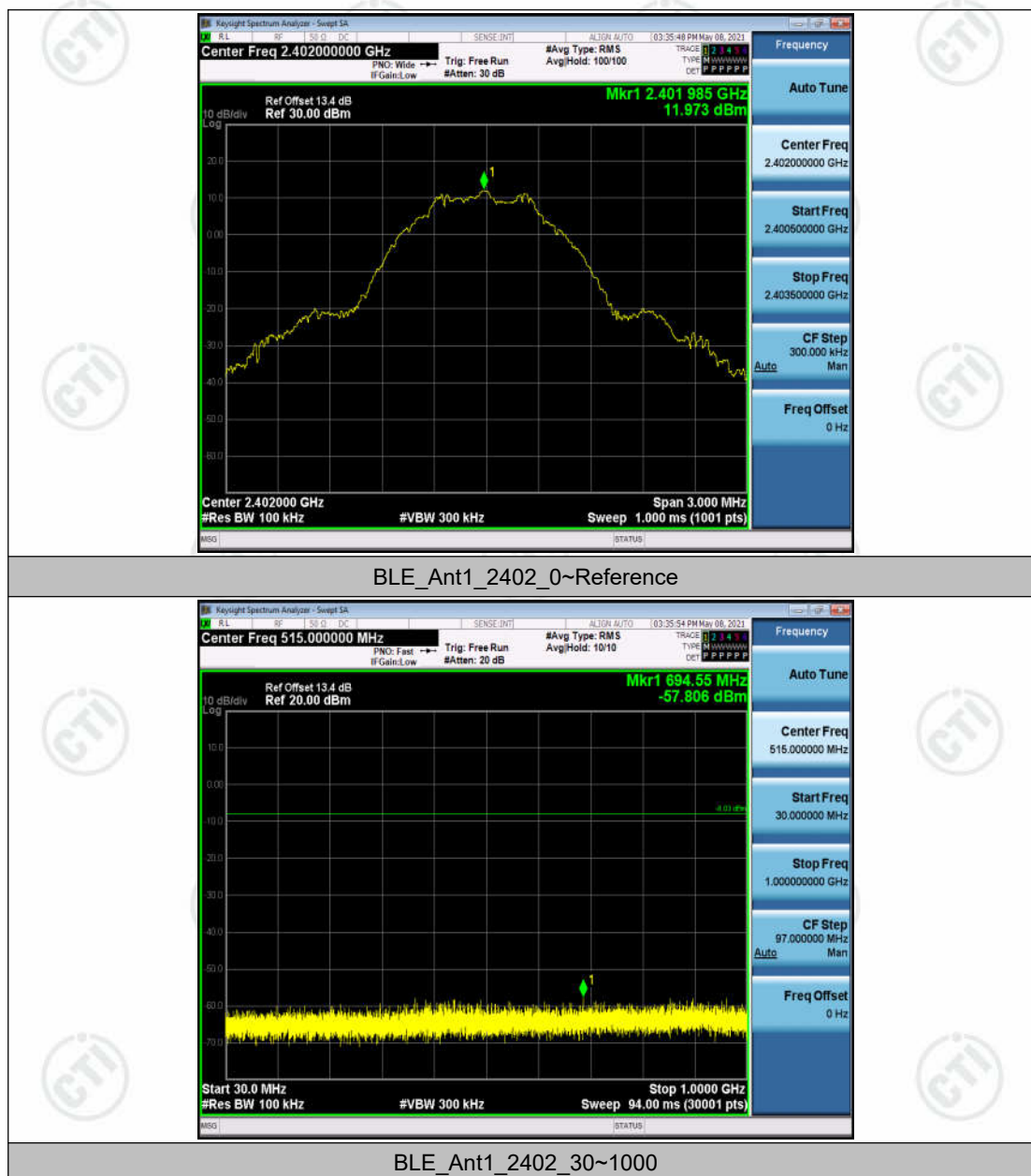


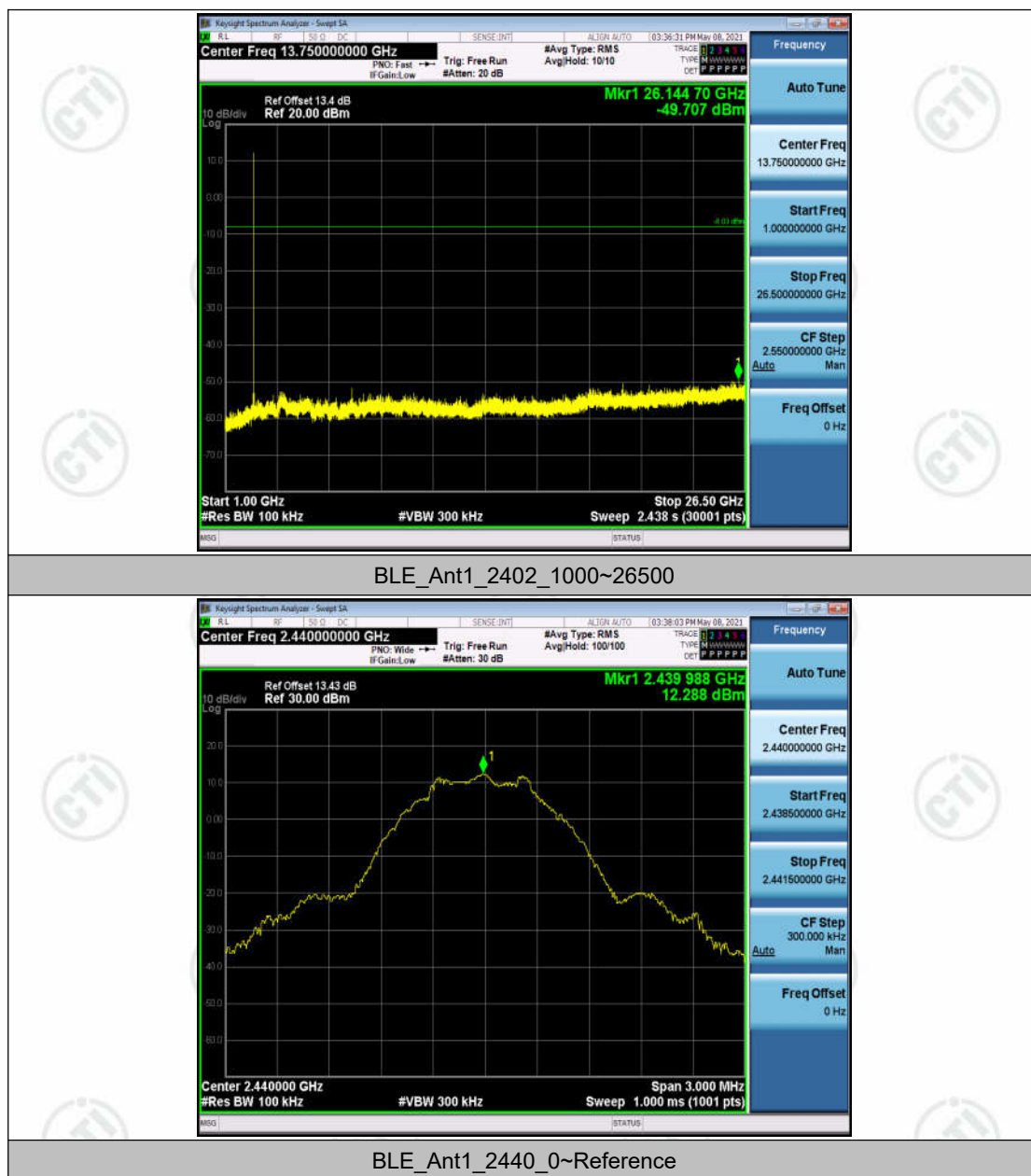
## Appendix F: Conducted Spurious Emission

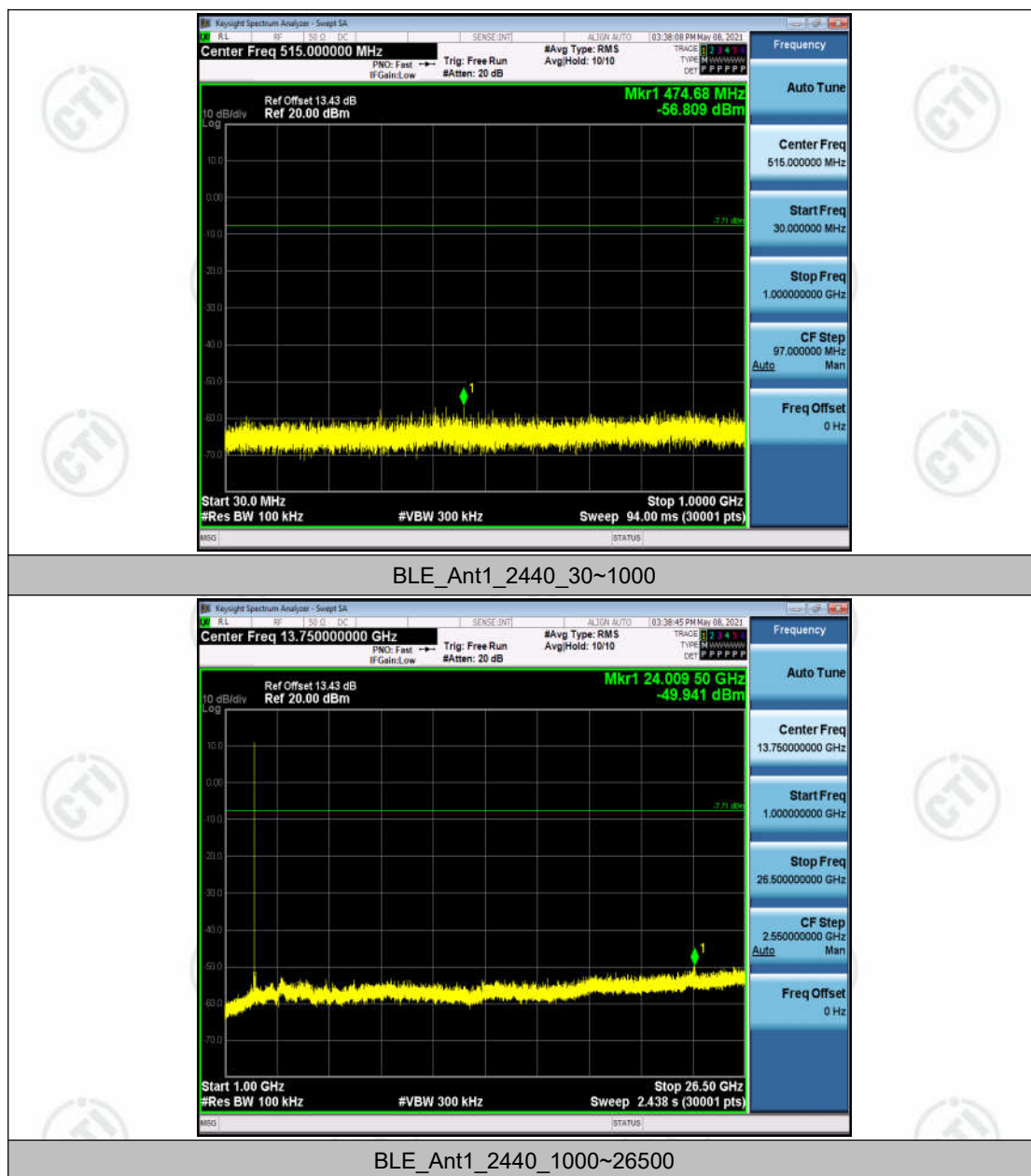
### Test Result

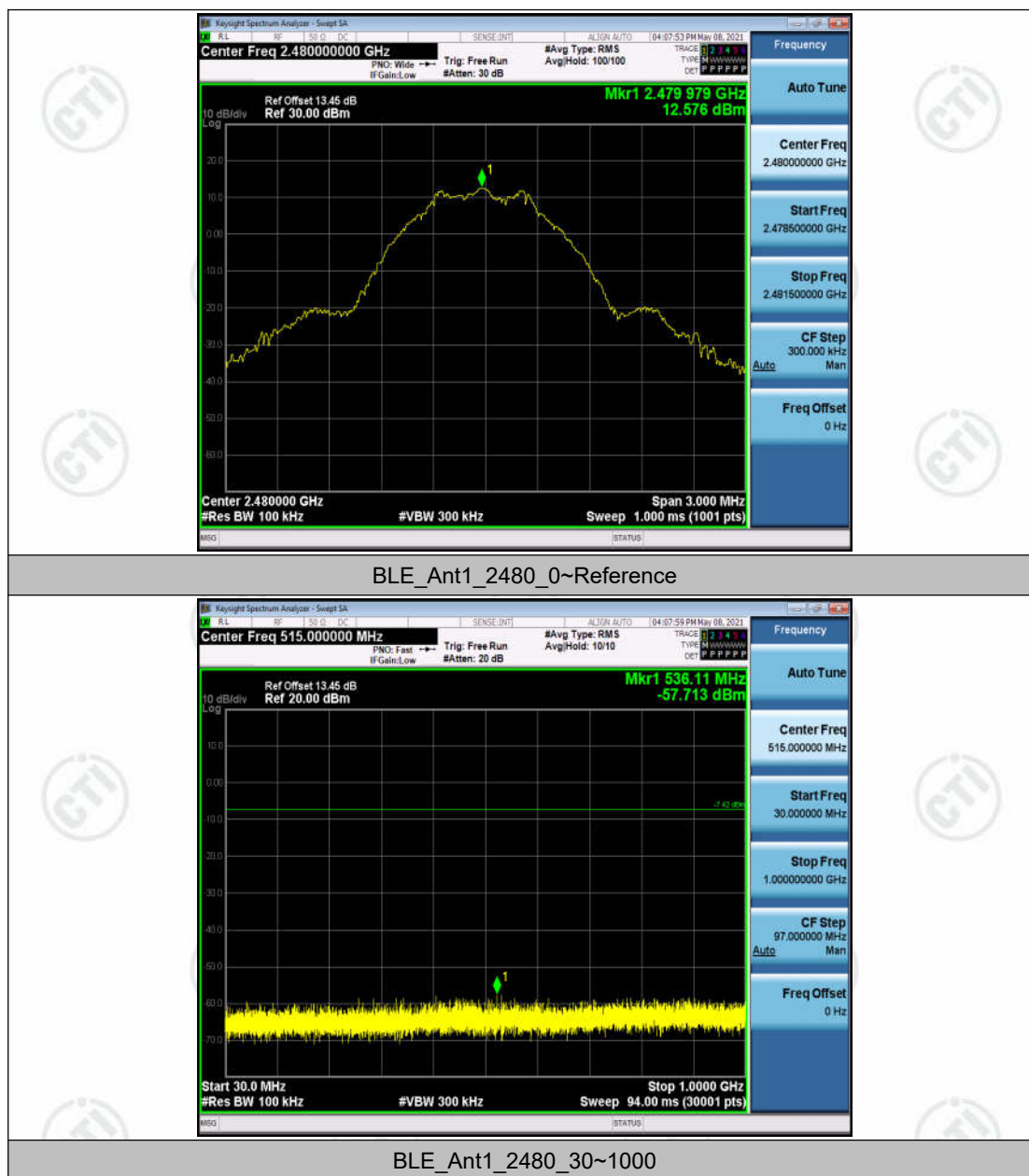
| Test Mode | Antenna | Channel | Freq Range [MHz] | Ref Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|---------|------------------|-----------------|--------------|-------------|---------|
| BLE       | Ant1    | 2402    | Reference        | 11.97           | 11.97        | ---         | PASS    |
|           |         |         | 30~1000          | 30~1000         | -57.806      | <=-8.027    | PASS    |
|           |         |         | 1000~26500       | 1000~26500      | -49.707      | <=-8.027    | PASS    |
|           |         | 2440    | Reference        | 12.29           | 12.29        | ---         | PASS    |
|           |         |         | 30~1000          | 30~1000         | -56.809      | <=-7.712    | PASS    |
|           |         |         | 1000~26500       | 1000~26500      | -49.941      | <=-7.712    | PASS    |
|           |         | 2480    | Reference        | 12.58           | 12.58        | ---         | PASS    |
|           |         |         | 30~1000          | 30~1000         | -57.713      | <=-7.424    | PASS    |
|           |         |         | 1000~26500       | 1000~26500      | -49.73       | <=-7.424    | PASS    |

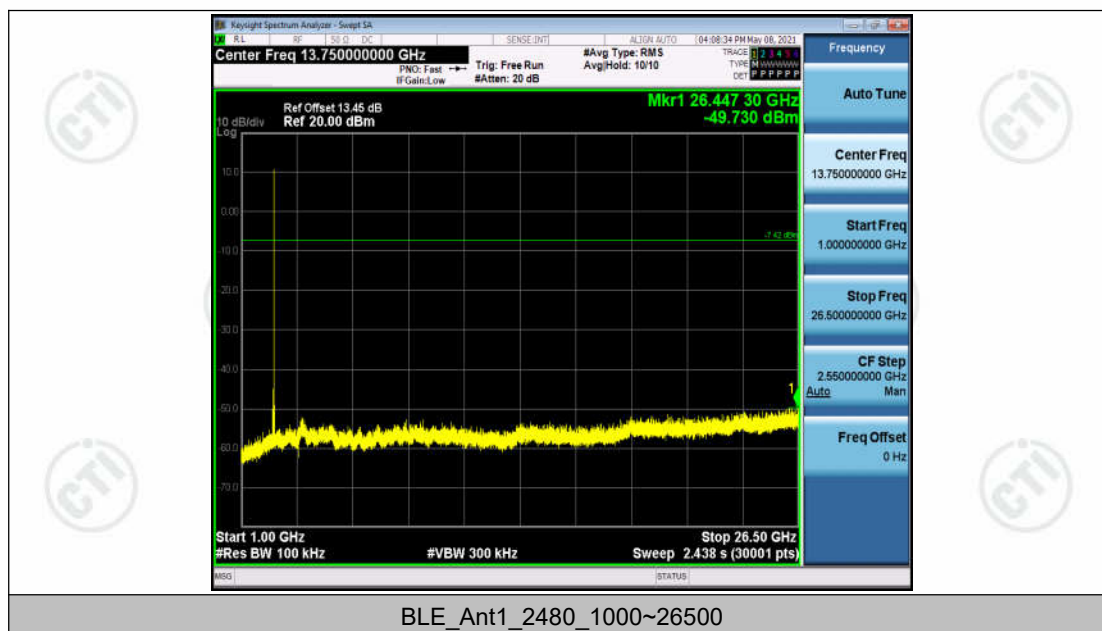
## Test Graphs









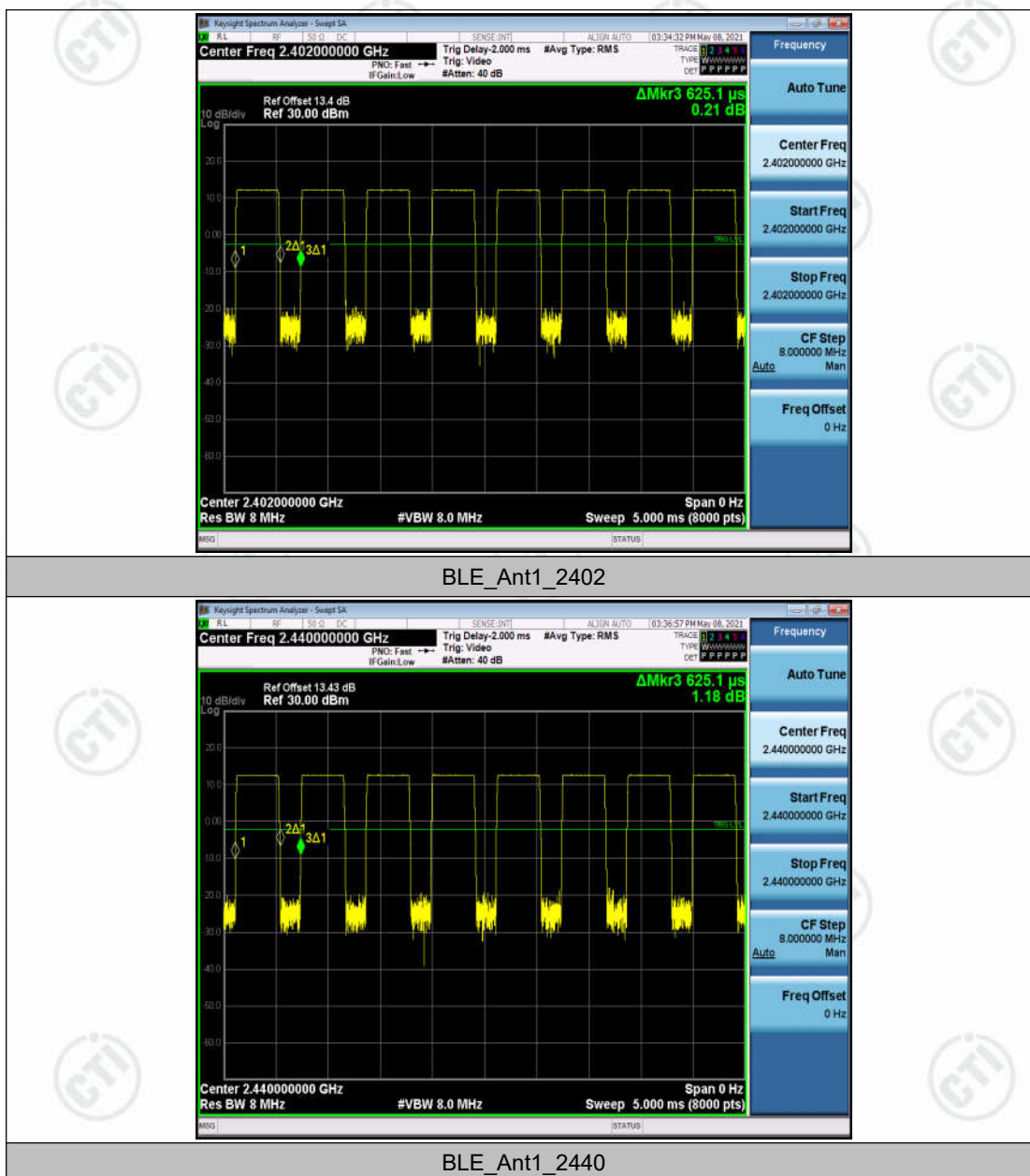


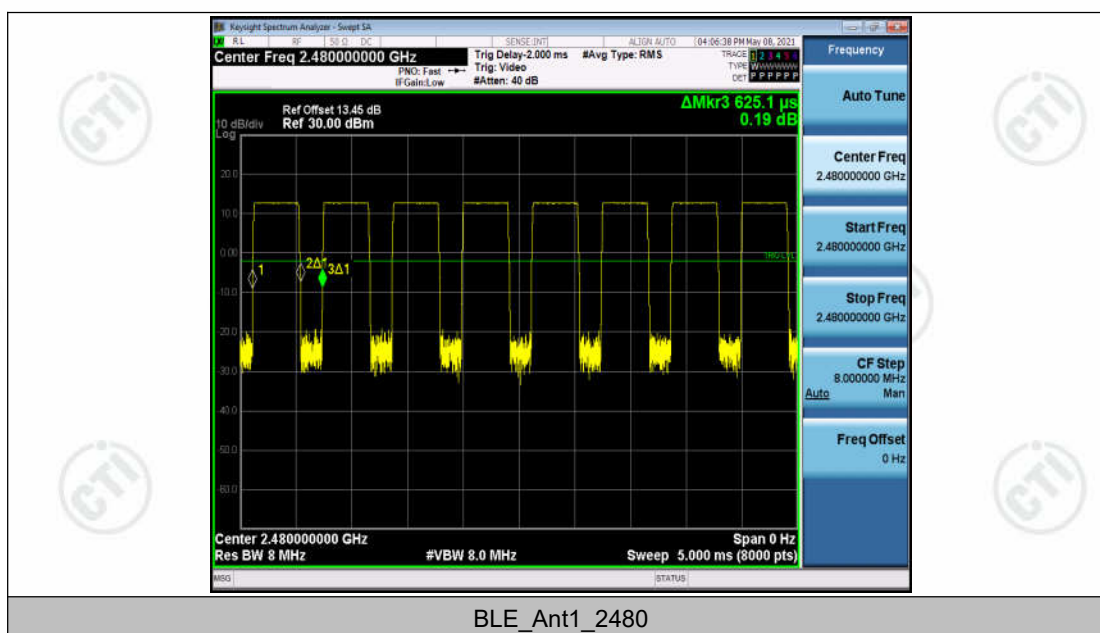
## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| BLE       | Ant1    | 2402    | 0.43                       | 0.63                     | 68.80          | ---   | PASS    |
|           |         | 2440    | 0.43                       | 0.63                     | 68.80          | ---   | PASS    |
|           |         | 2480    | 0.43                       | 0.63                     | 68.80          | ---   | PASS    |

## Test Graphs





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