

## Appendix:Bluetooth LE

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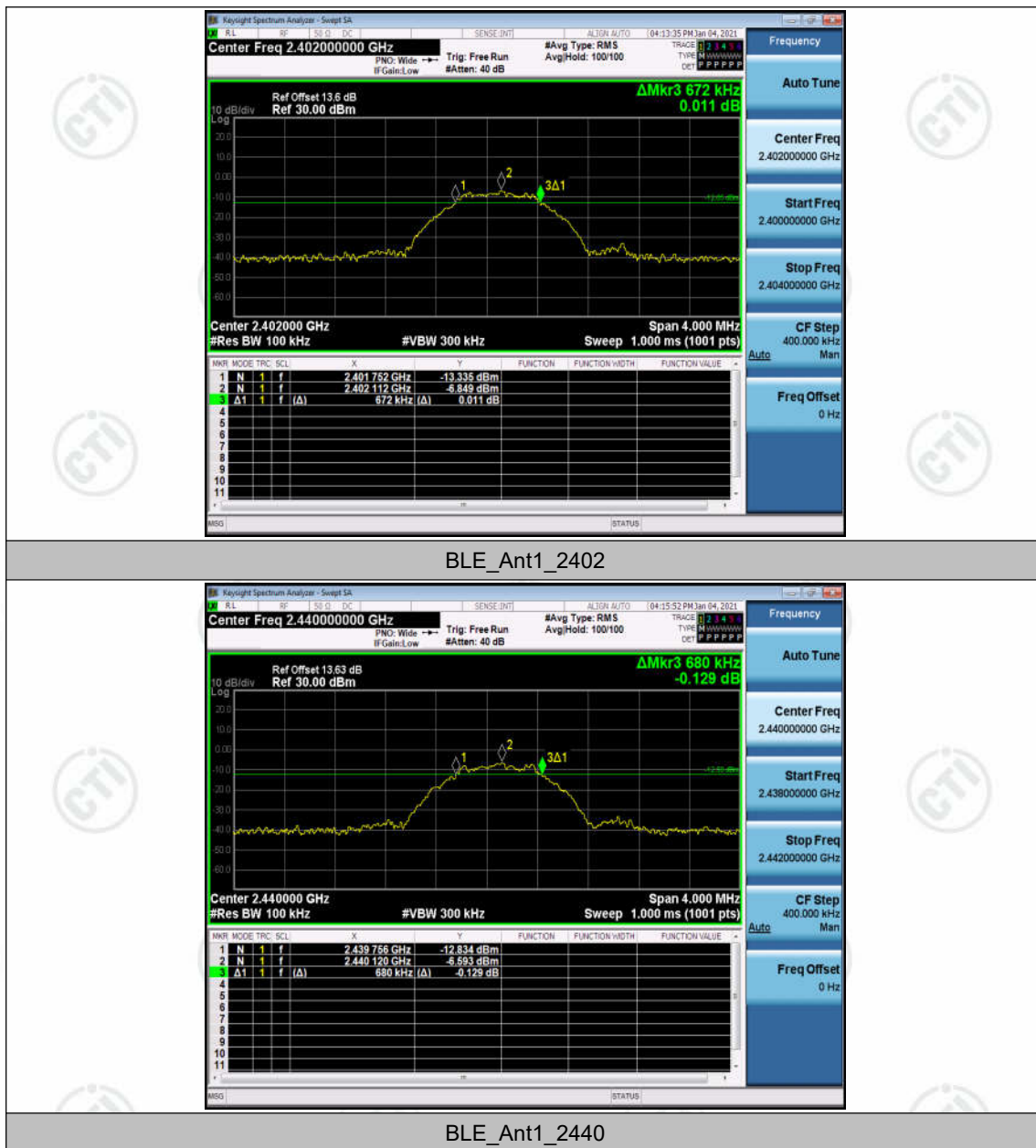
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## Appendix A: DTS Bandwidth

### Test Result

| Test Mode | Antenna | Channel | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|--------------|----------|----------|------------|---------|
| BLE       | Ant1    | 2402    | 0.672        | 2401.752 | 2402.424 | 0.5        | PASS    |
|           |         | 2440    | 0.680        | 2439.756 | 2440.436 | 0.5        | PASS    |
|           |         | 2480    | 0.720        | 2479.728 | 2480.448 | 0.5        | PASS    |

## Test Graphs





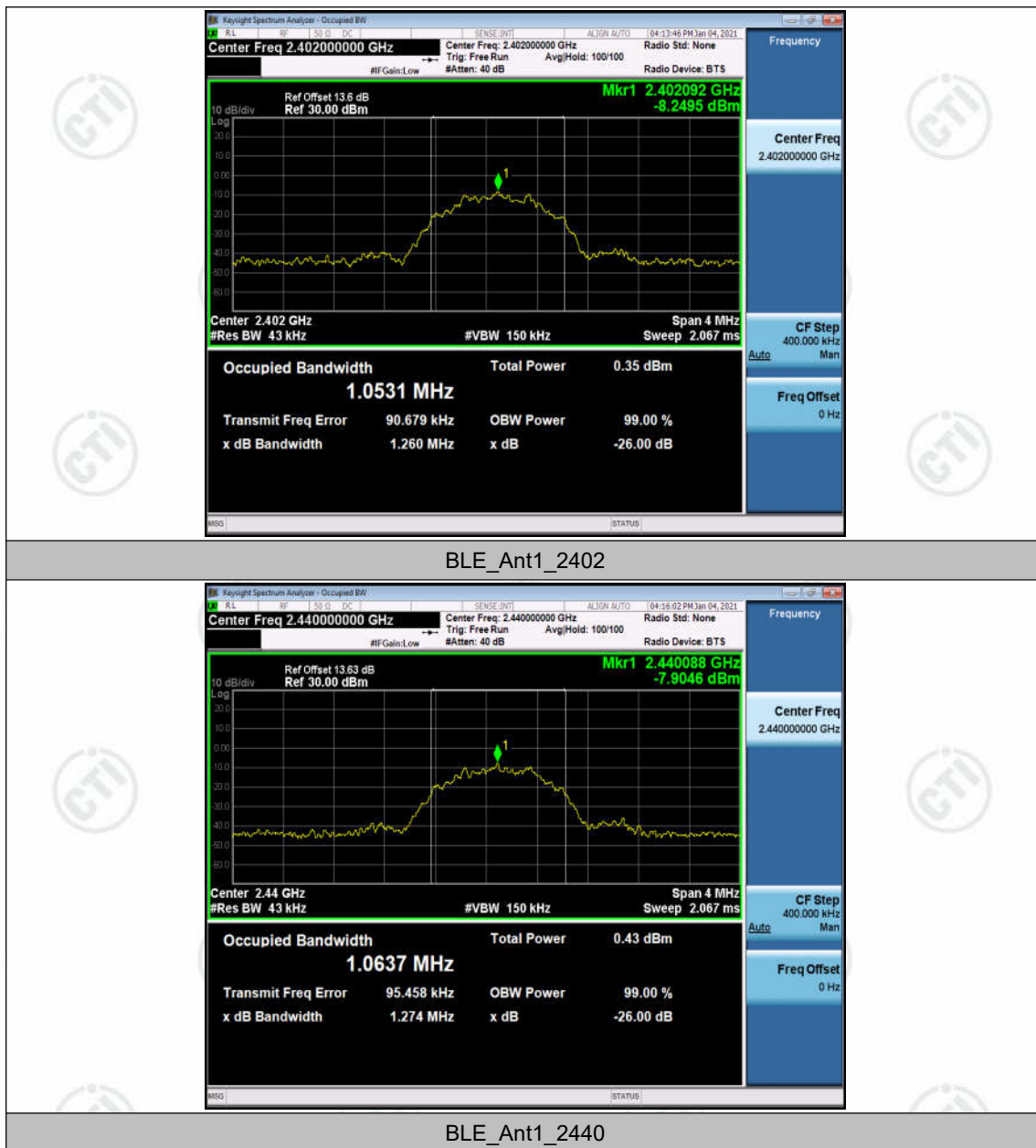
BLE\_Ant1\_2480

## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| BLE       | Ant1    | 2402    | 1.0531    | 2401.564 | 2402.617 | ---        | PASS    |
|           |         | 2440    | 1.0637    | 2439.564 | 2440.627 | ---        | PASS    |
|           |         | 2480    | 1.0609    | 2479.564 | 2480.625 | ---        | PASS    |

## Test Graphs





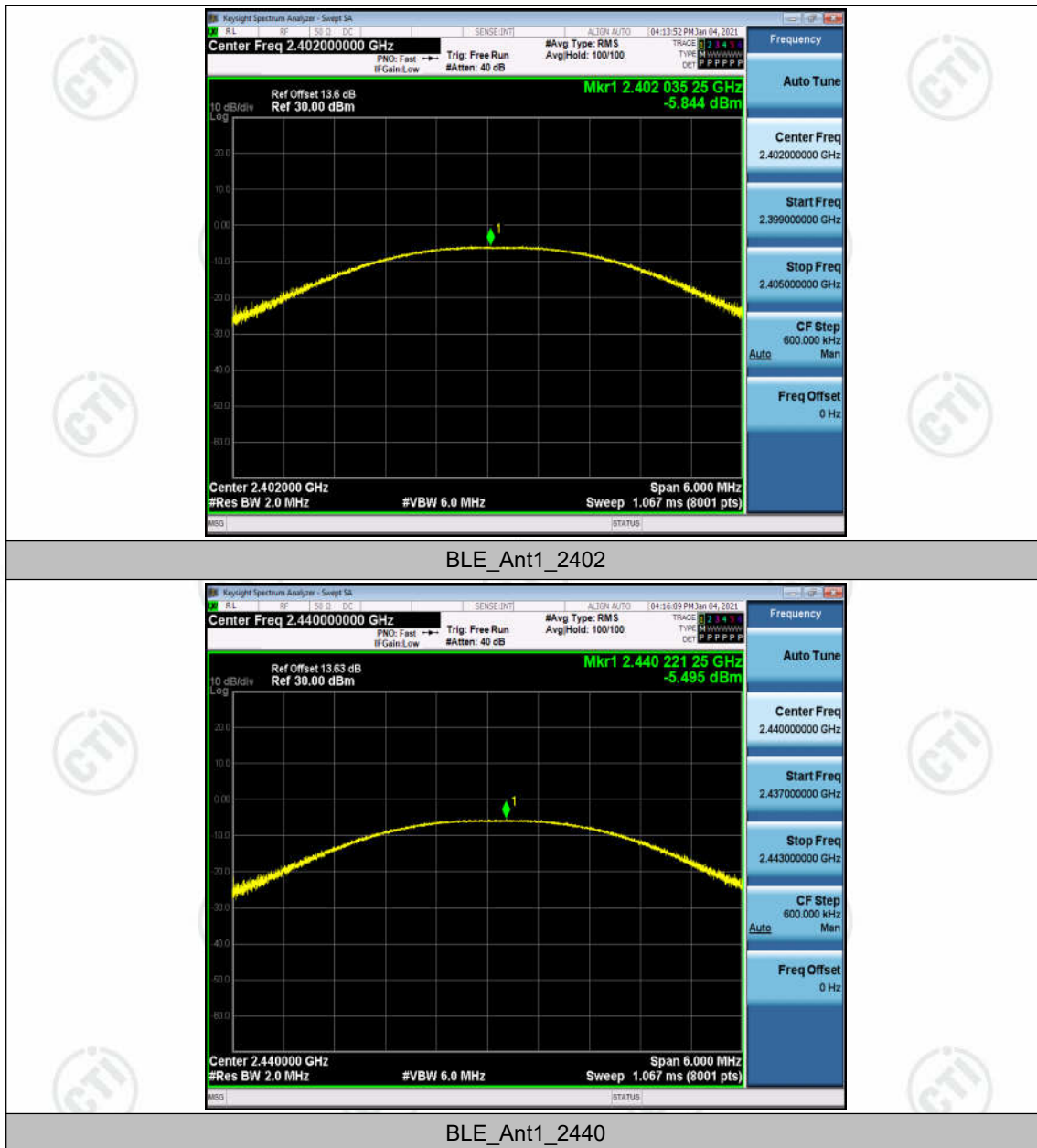
BLE\_Ant1\_2480

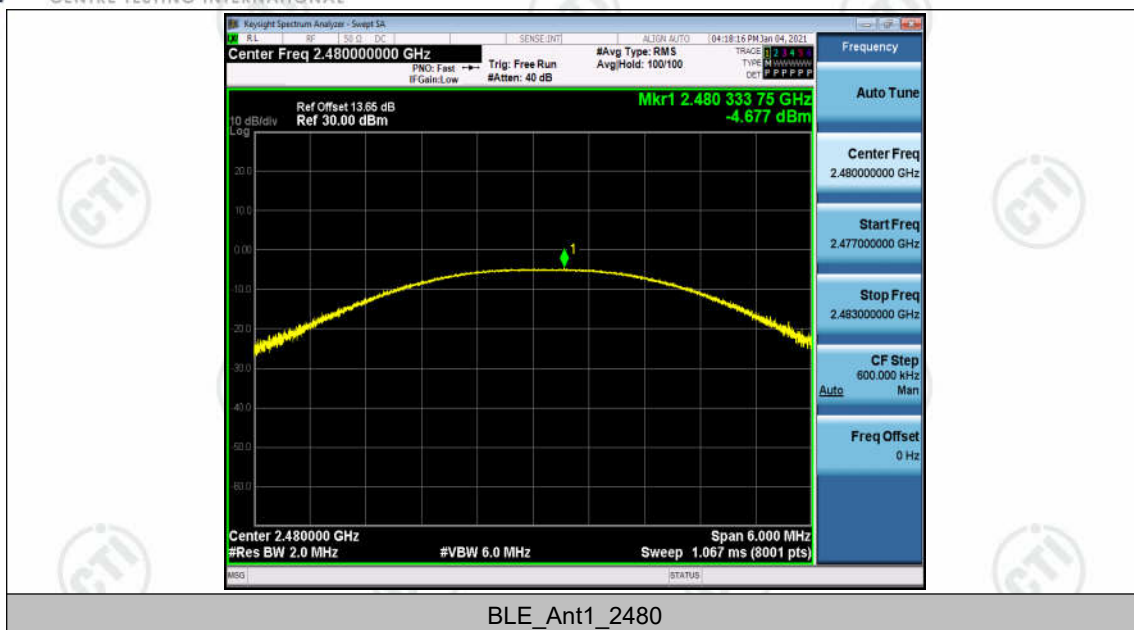
## Appendix C: Maximum conducted output power

### Test Result

| Test Mode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| BLE       | Ant1    | 2402    | -5.84       | <=30       | PASS    |
|           |         | 2440    | -5.5        | <=30       | PASS    |
|           |         | 2480    | -4.68       | <=30       | PASS    |

## Test Graphs



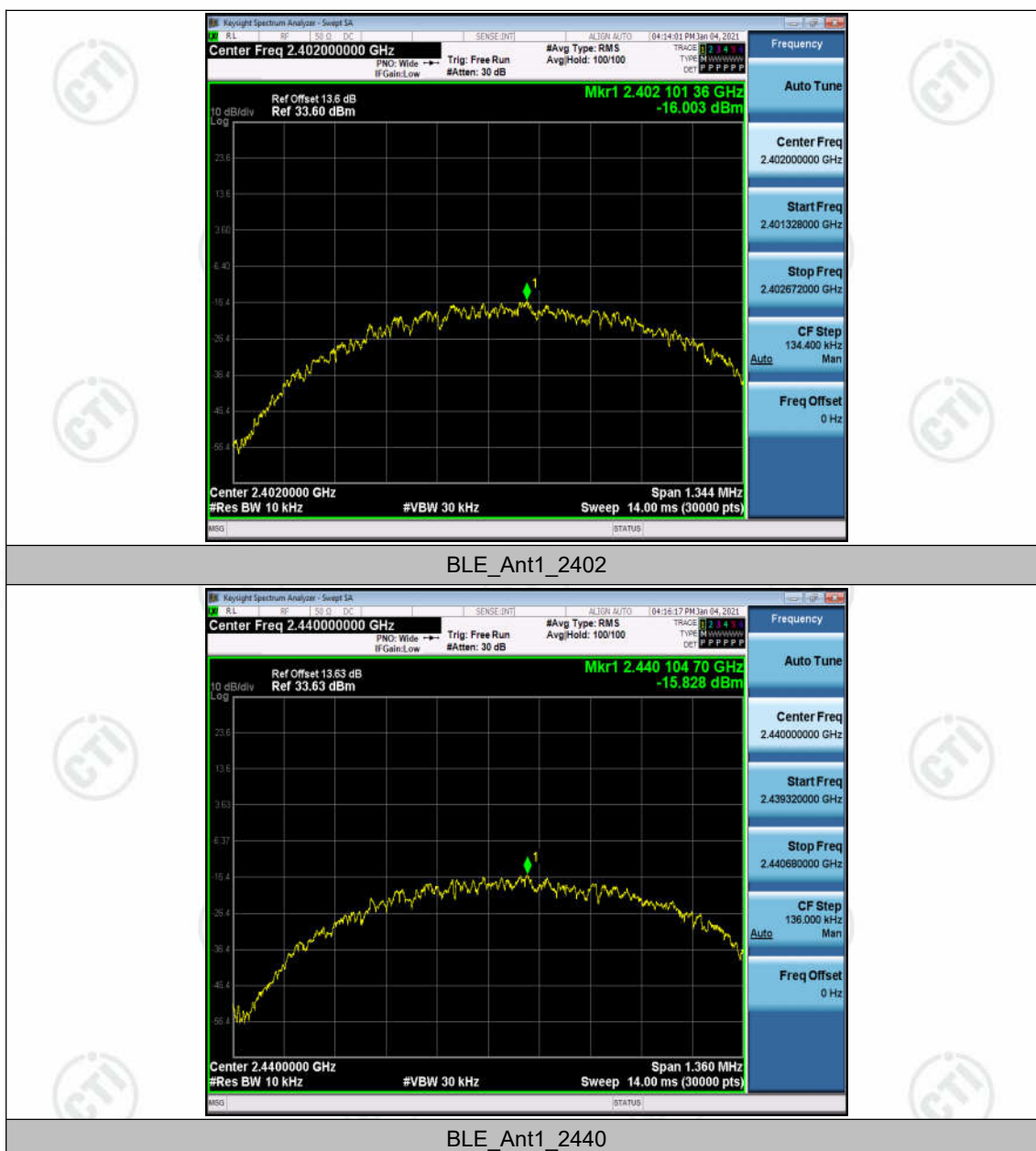


## Appendix D: Maximum power spectral density

### Test Result

| Test Mode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| BLE       | Ant1    | 2402    | -16                  | <=8             | PASS    |
|           |         | 2440    | -15.83               | <=8             | PASS    |
|           |         | 2480    | -14.39               | <=8             | PASS    |

## Test Graphs



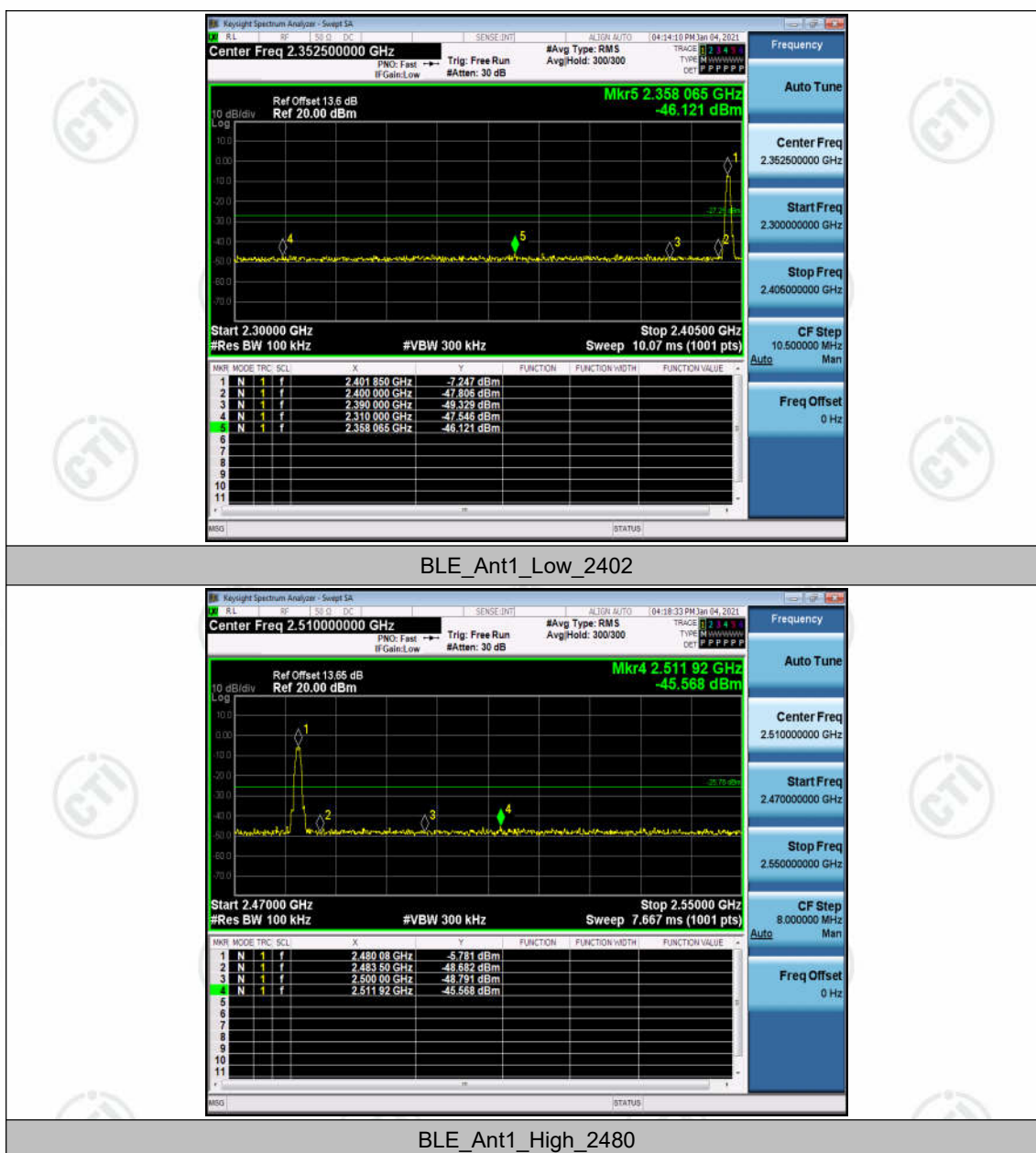


## Appendix E:Band edge measurements

### Test Result

| Test Mode | Antenna | Ch Name | Channel | Ref Level[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|---------|----------------|-------------|------------|---------|
| BLE       | Ant1    | Low     | 2402    | -7.25          | -46.12      | <=-27.25   | PASS    |
|           |         | High    | 2480    | -5.78          | -45.57      | <=-25.78   | PASS    |

## Test Graphs

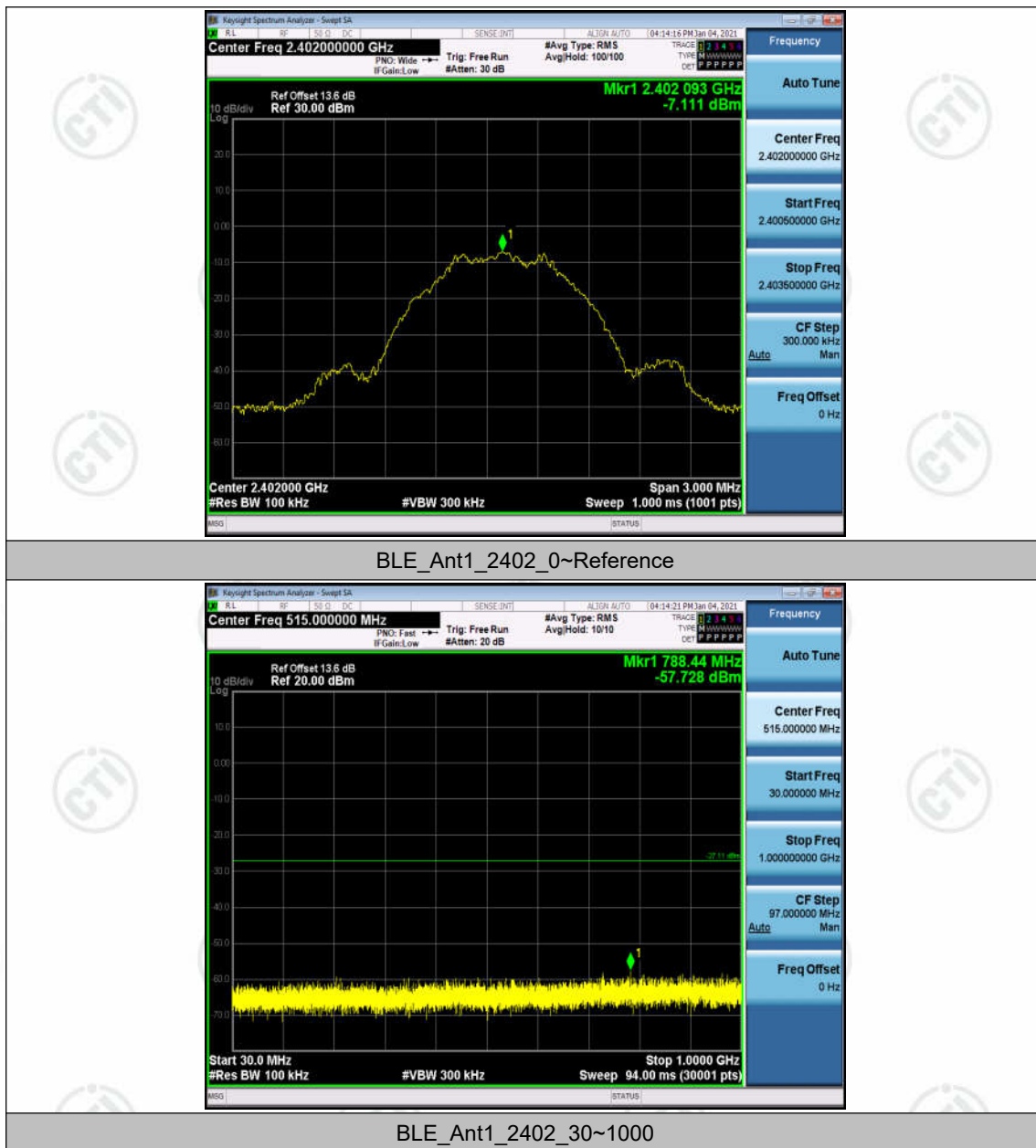


## Appendix F: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Channel | Freq Range [MHz] | Ref Level [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|------------------|-----------------|-------------|------------|---------|
| BLE       | Ant1    | 2402    | Reference        | -7.11           | -7.11       | ---        | PASS    |
|           |         |         | 30~1000          | 30~1000         | -57.728     | <=-27.111  | PASS    |
|           |         |         | 1000~26500       | 1000~26500      | -41.203     | <=-27.111  | PASS    |
|           |         | 2440    | Reference        | -6.66           | -6.66       | ---        | PASS    |
|           |         |         | 30~1000          | 30~1000         | -58.093     | <=-26.663  | PASS    |
|           |         |         | 1000~26500       | 1000~26500      | -38.192     | <=-26.663  | PASS    |
|           |         | 2480    | Reference        | -5.66           | -5.66       | ---        | PASS    |
|           |         |         | 30~1000          | 30~1000         | -57.109     | <=-25.664  | PASS    |
|           |         |         | 1000~26500       | 1000~26500      | -41.94      | <=-25.664  | PASS    |

## Test Graphs

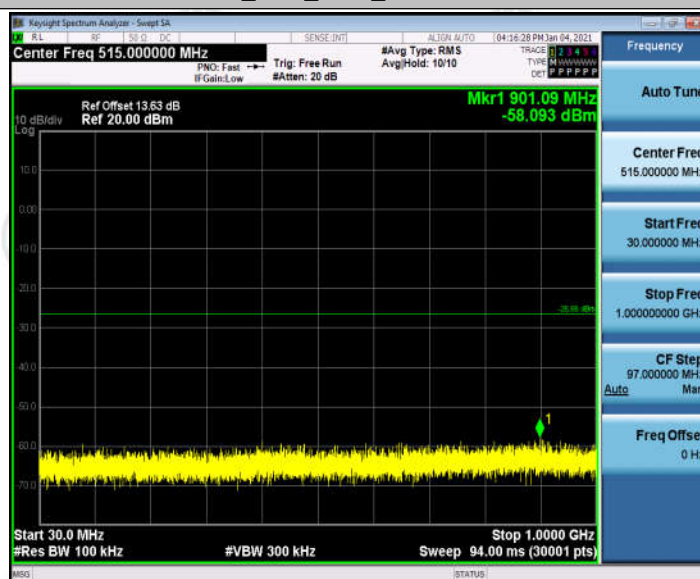




BLE\_Ant1\_2402\_1000~26500



BLE\_Ant1\_2440\_0~Reference



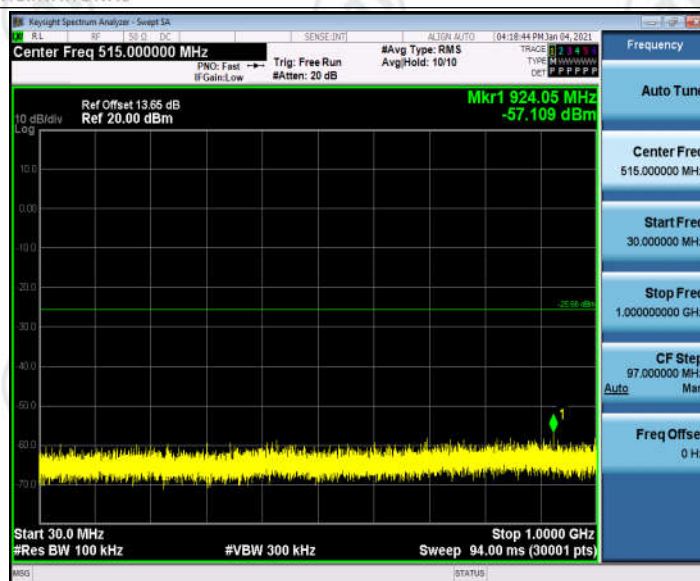
BLE\_Ant1\_2440\_30~1000



BLE\_Ant1\_2440\_1000~26500



BLE\_Ant1\_2480\_0~Reference



BLE\_Ant1\_2480\_30~1000



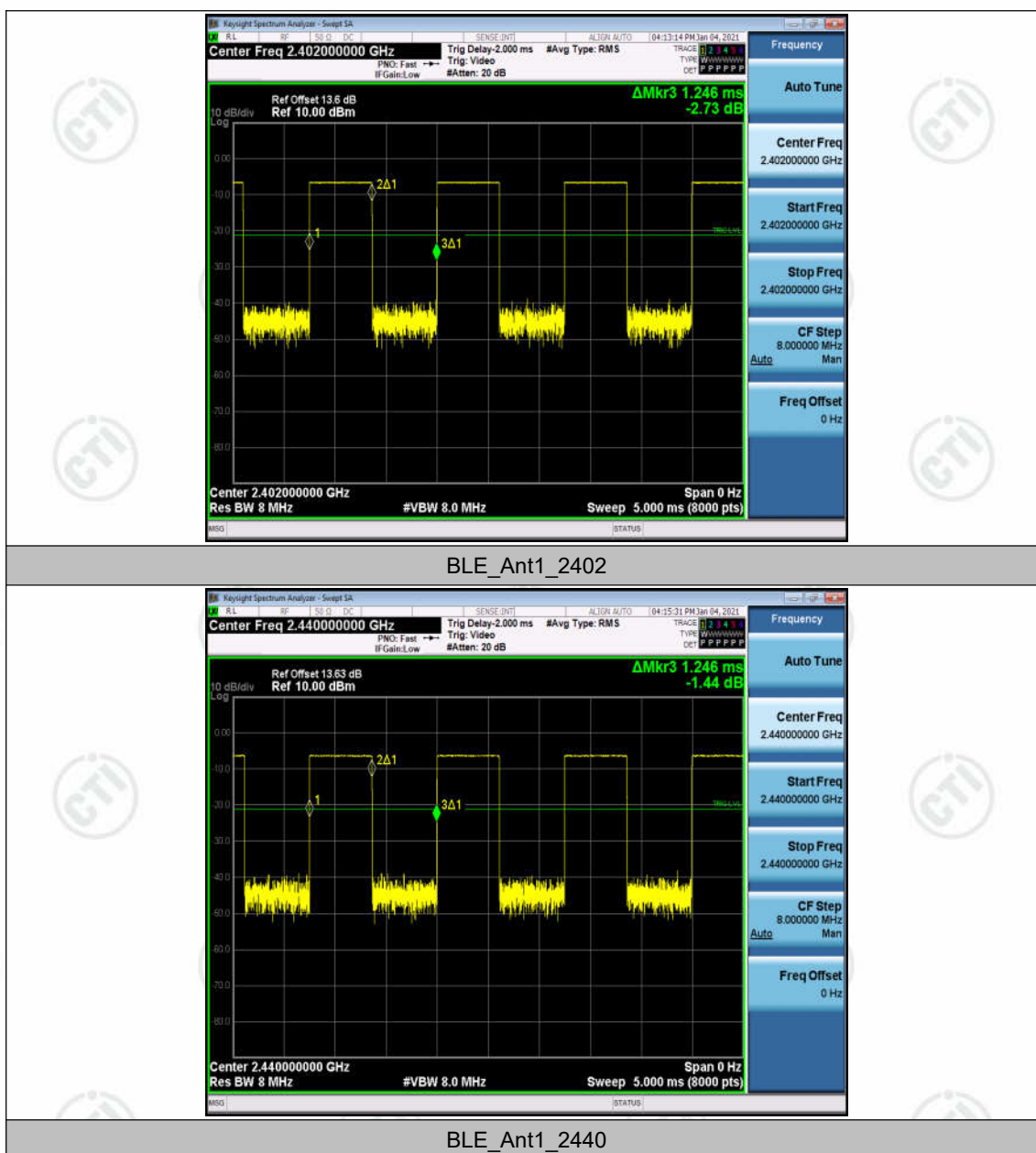
BLE\_Ant1\_2480\_1000~26500

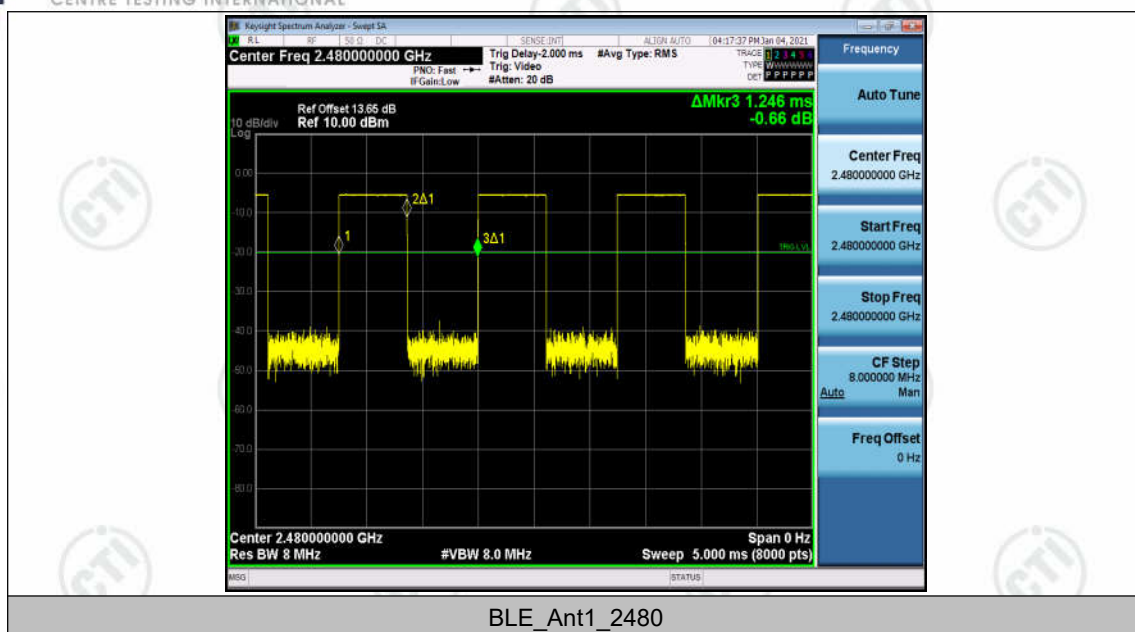
## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| BLE       | Ant1    | 2402    | 0.61                       | 1.25                     | 49.20          | ---   | PASS    |
|           |         | 2440    | 0.61                       | 1.25                     | 49.20          | ---   | PASS    |
|           |         | 2480    | 0.61                       | 1.25                     | 49.20          | ---   | PASS    |

## Test Graphs





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