

## Appendix Test Data

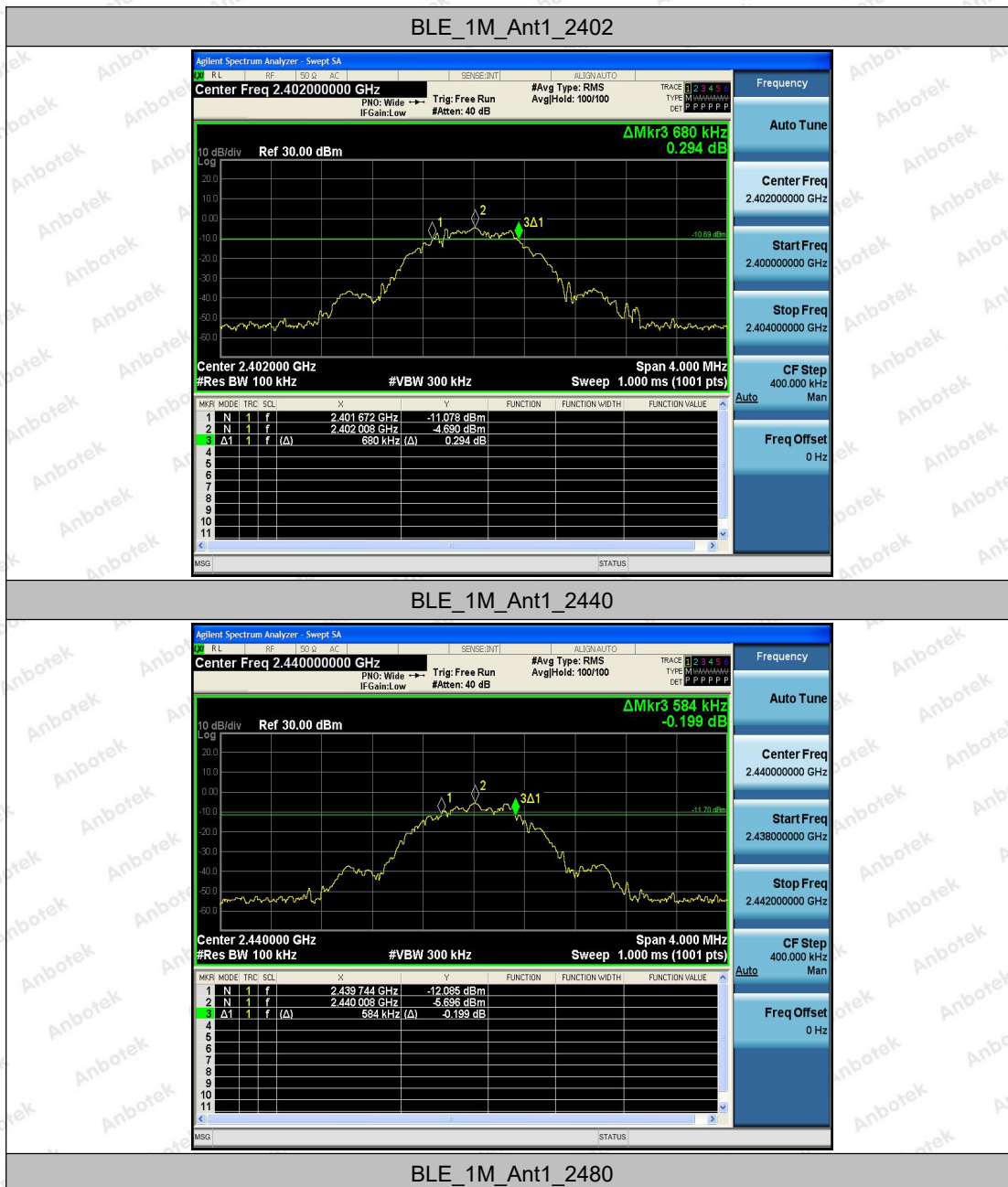
|                  |                 |                    |                   |
|------------------|-----------------|--------------------|-------------------|
| Report No.:      | 18220WC20013101 | Test Sample No.:   | 1-2-2             |
| Start Test Date: | 2022.1.25       | Finish Test Date:  | 2022.2.14         |
| Test Engineer:   | <i>Jony.He</i>  | Auditor:           | <i>Edward.Pan</i> |
| Temperature:     | 22.3℃           | Relative Humidity: | 56 %              |
| Pressure:        | 1012 hPa        |                    |                   |

## Appendix A: DTS Bandwidth

## Test Result

| TestMode | Antenna | Channel | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|--------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402    | 0.680        | 2401.672 | 2402.352 | ≥0.5       | PASS    |
|          |         | 2440    | 0.584        | 2439.744 | 2440.328 | ≥0.5       | PASS    |
|          |         | 2480    | 0.612        | 2479.720 | 2480.332 | ≥0.5       | PASS    |

## Test Graphs



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## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402    | 1.0393    | 2401.492 | 2402.531 | ---        | PASS    |
|          |         | 2440    | 1.0480    | 2439.489 | 2440.537 | ---        | PASS    |
|          |         | 2480    | 1.0290    | 2479.494 | 2480.523 | ---        | PASS    |

## Test Graphs



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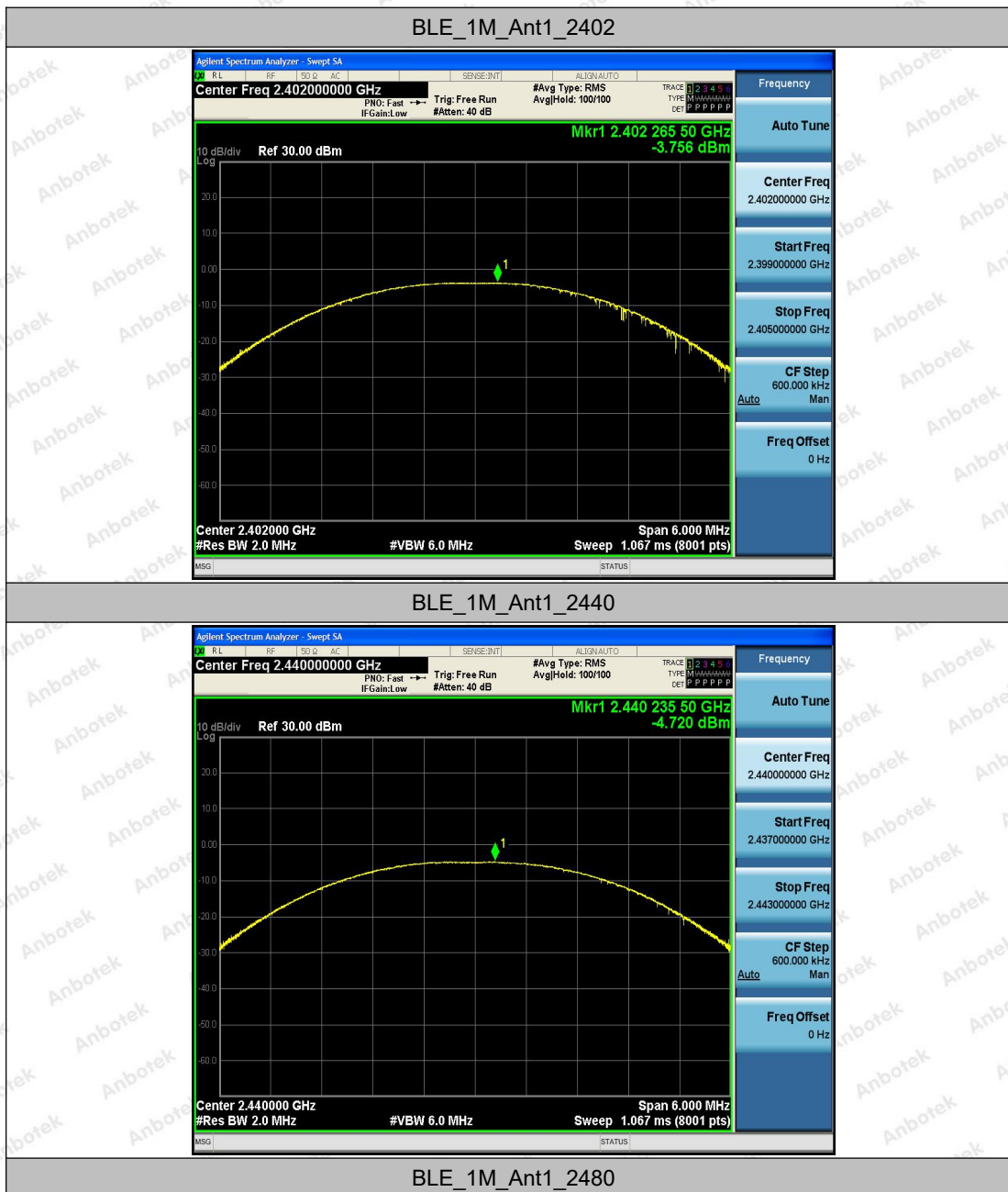
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## Appendix C: Maximum conducted output power

### Test Result

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402    | -3.76       | ≤30        | PASS    |
|          |         | 2440    | -4.72       | ≤30        | PASS    |
|          |         | 2480    | -5.02       | ≤30        | PASS    |

## Test Graphs

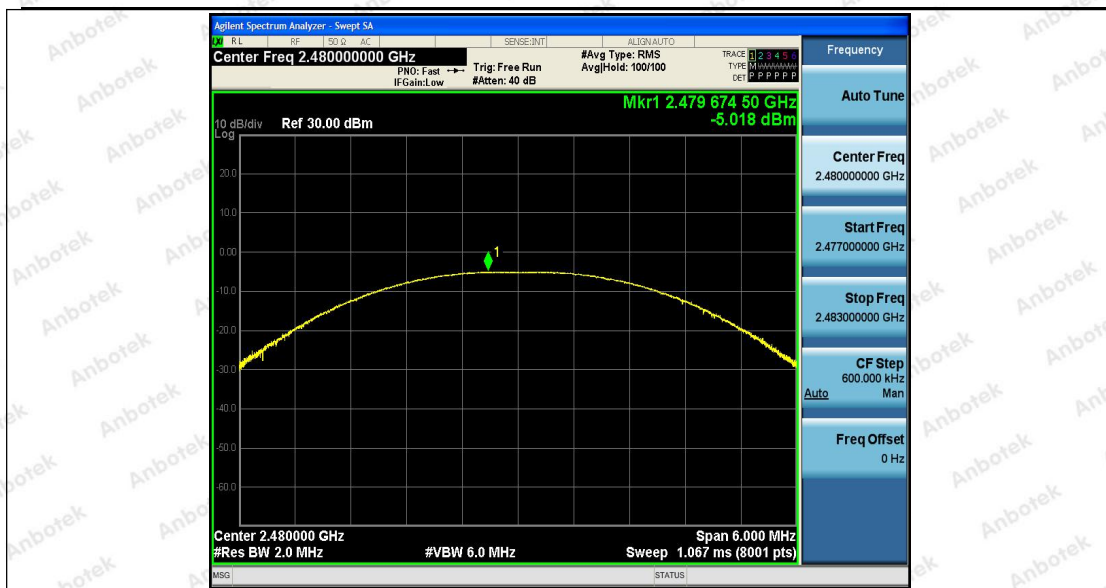


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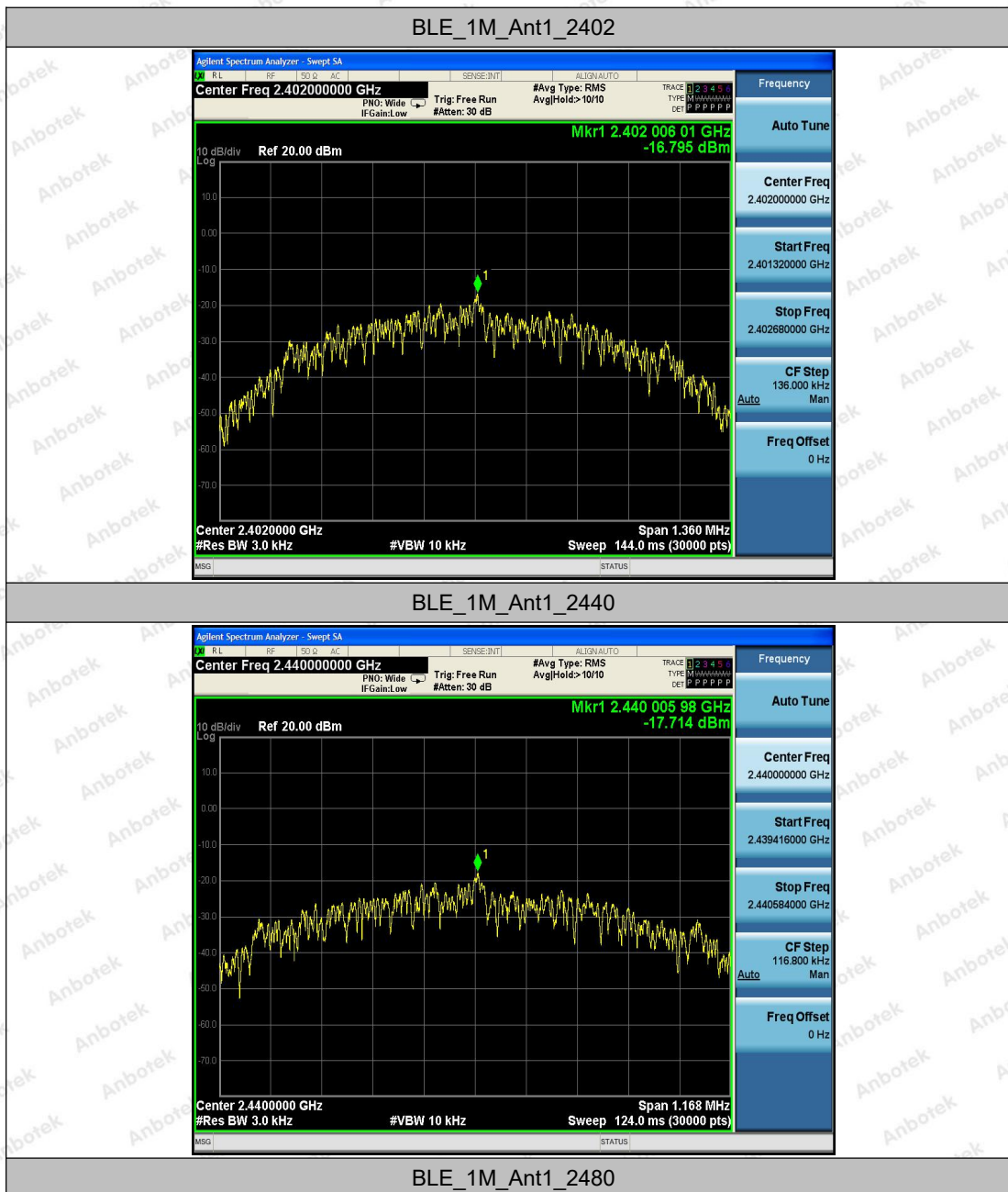
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## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402    | -16.8            | ≤8              | PASS    |
|          |         | 2440    | -17.71           | ≤8              | PASS    |
|          |         | 2480    | -18.07           | ≤8              | PASS    |

## Test Graphs



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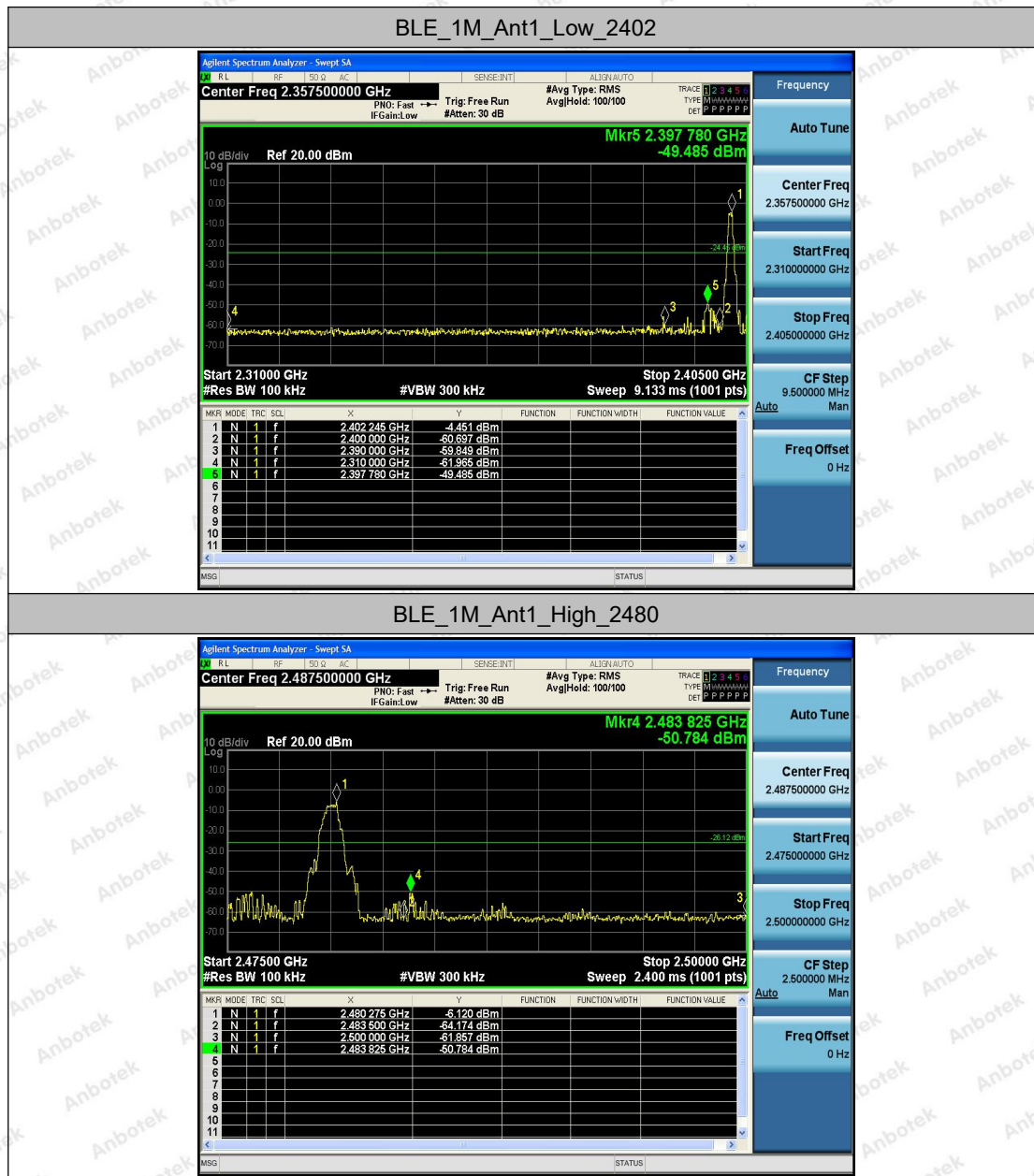
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## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|---------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402    | -4.45         | -49.49      | ≤-24.45    | PASS    |
|          |         | High   | 2480    | -6.12         | -50.78      | ≤-26.12    | PASS    |

## Test Graphs



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## Appendix F: Conducted Spurious Emission

### Test Result

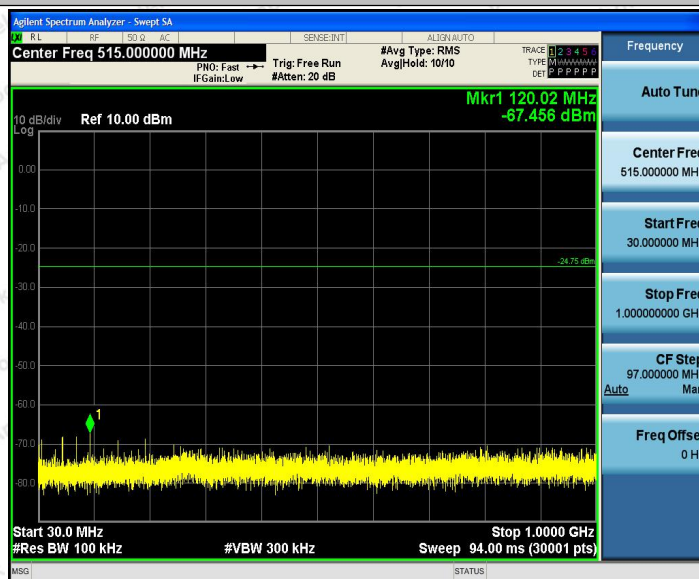
| TestMode | Antenna | Channel | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402    | Reference          | -4.75             | -4.75       | ---        | PASS    |
|          |         |         | 30~1000            | -4.75             | -67.46      | ≤-24.75    | PASS    |
|          |         |         | 1000~265<br>00     | -4.75             | -47.06      | ≤-24.75    | PASS    |
|          |         | 2440    | Reference          | -5.73             | -5.73       | ---        | PASS    |
|          |         |         | 30~1000            | -5.73             | -68.18      | ≤-25.73    | PASS    |
|          |         |         | 1000~265<br>00     | -5.73             | -50.04      | ≤-25.73    | PASS    |
|          |         | 2480    | Reference          | -6.04             | -6.04       | ---        | PASS    |
|          |         |         | 30~1000            | -6.04             | -66.77      | ≤-26.04    | PASS    |
|          |         |         | 1000~265<br>00     | -6.04             | -47.42      | ≤-26.04    | PASS    |

## Test Graphs

BLE\_1M\_Ant1\_2402\_0~Reference



BLE\_1M\_Ant1\_2402\_30~1000



BLE\_1M\_Ant1\_2402\_1000~26500

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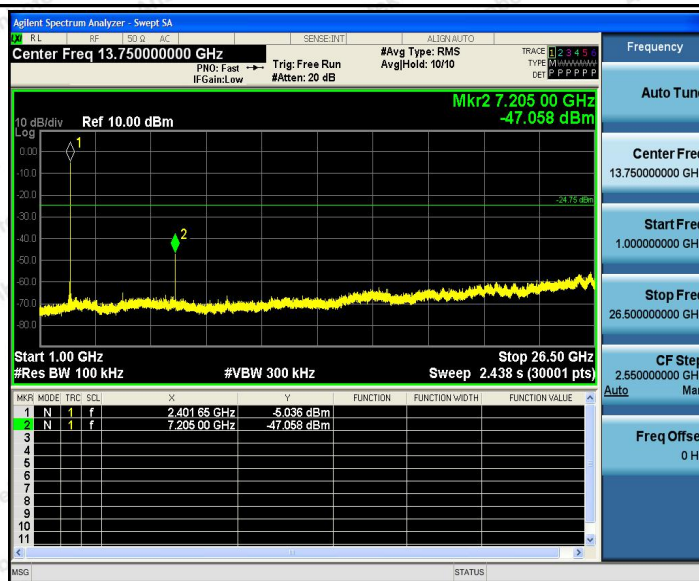
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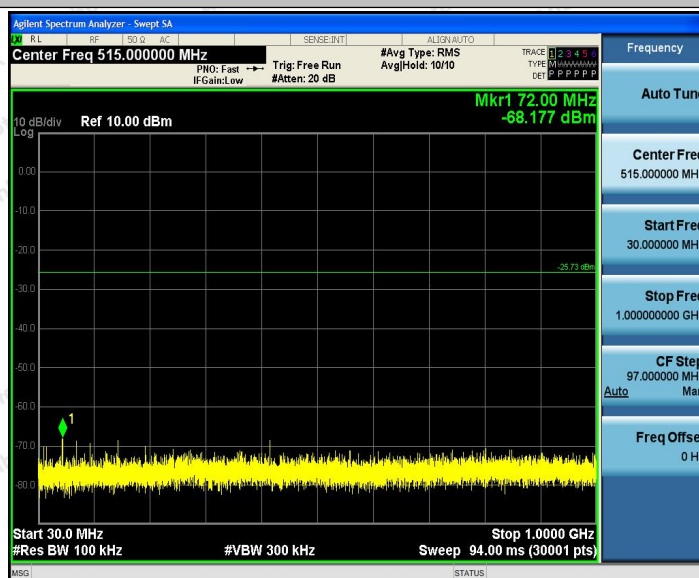
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BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



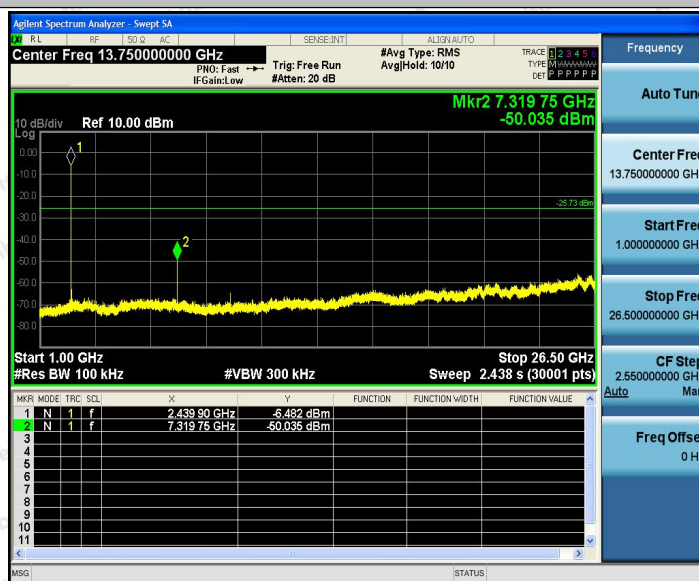
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## BLE\_1M\_Ant1\_2440\_1000~26500



## BLE\_1M\_Ant1\_2480\_0~Reference



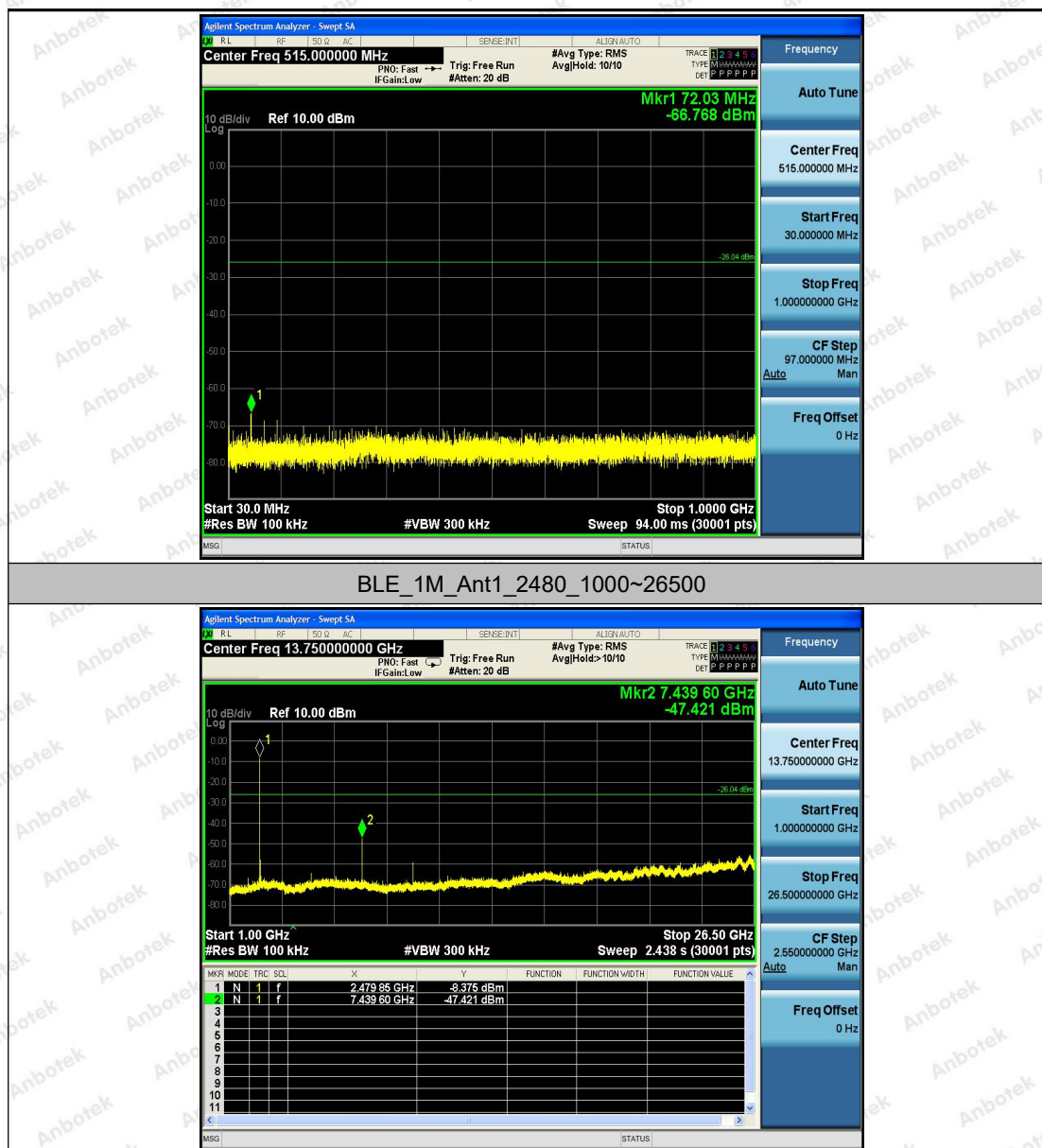
## BLE\_1M\_Ant1\_2480\_30~1000

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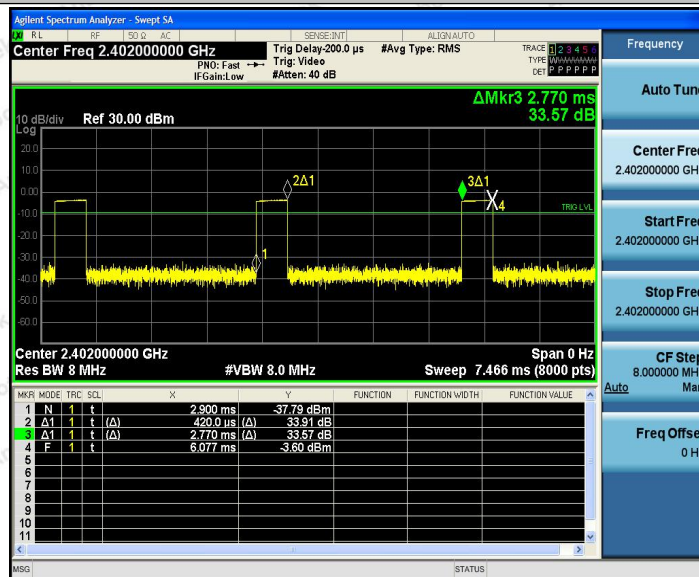
## Appendix G: Duty Cycle

### Test Result

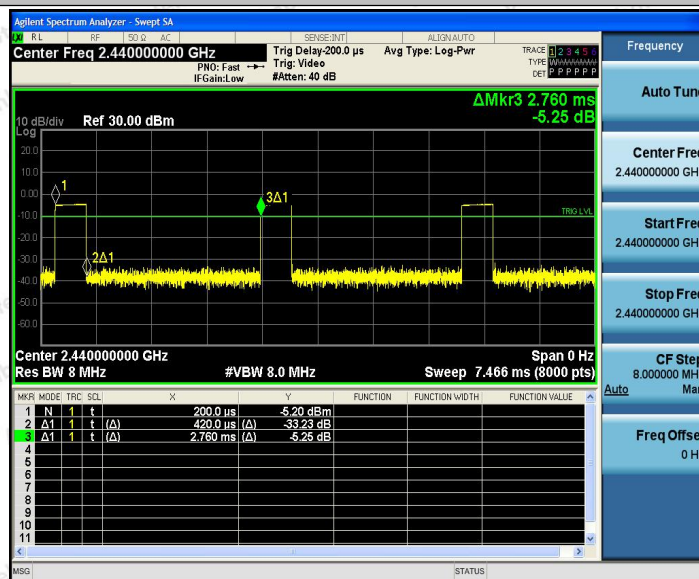
| TestMode | Antenna | Channel | ON Time<br>[ms] | Period<br>[ms] | X          | DC<br>[%] | xFactor | Limit | Verdict |
|----------|---------|---------|-----------------|----------------|------------|-----------|---------|-------|---------|
| BLE_1M   | Ant1    | 2402    | 0.42            | 2.77           | 0.151<br>6 | 15.16     | 8.19    | ---   | PASS    |
|          |         | 2440    | 0.42            | 2.76           | 0.152<br>2 | 15.22     | 8.18    | ---   | PASS    |
|          |         | 2480    | 0.42            | 2.77           | 0.151<br>6 | 15.16     | 8.19    | ---   | PASS    |

## Test Graphs

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



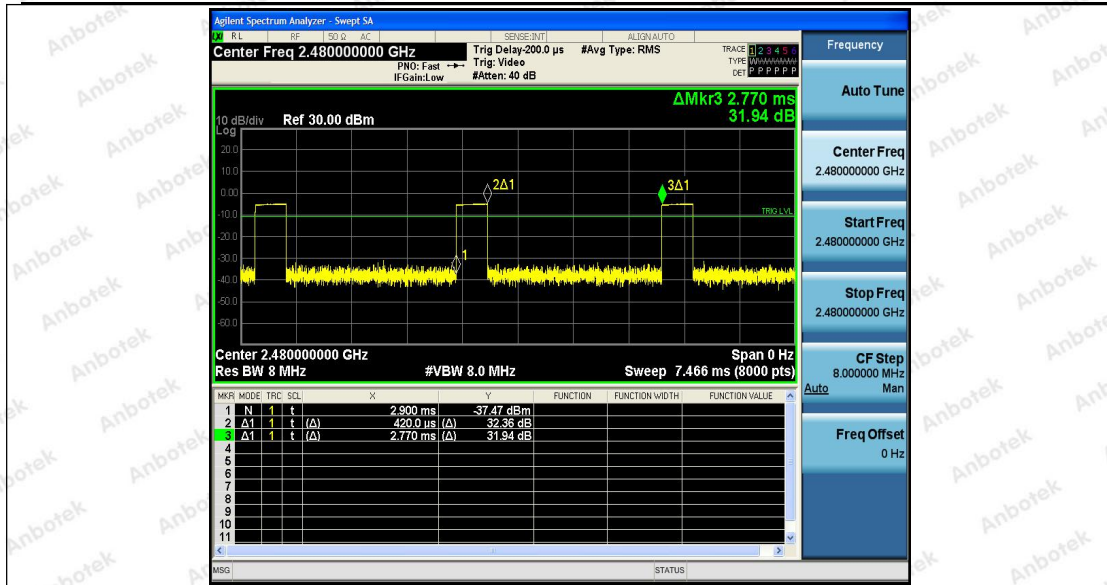
BLE\_1M\_Ant1\_2480

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