

## Appendix Test Data

|                  |                 |                    |                   |
|------------------|-----------------|--------------------|-------------------|
| Report No.:      | 18220WC20141901 | Test Sample No.:   | 1-2-2             |
| Start Test Date: | 2022.7.5        | Finish Test Date:  | 2022.7.11         |
| Test Engineer:   | <i>Jony.He</i>  | Auditor:           | <i>Edward.Pan</i> |
| Temperature:     | 24.3°C          | Relative Humidity: | 57.2 %            |
| 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    | 0.700        | 2401.660 | 2402.360 | ≥0.5       | PASS    |
|          |         | 2442    | 0.672        | 2441.668 | 2442.340 | ≥0.5       | PASS    |
|          |         | 2480    | 0.716        | 2479.648 | 2480.364 | ≥0.5       | PASS    |

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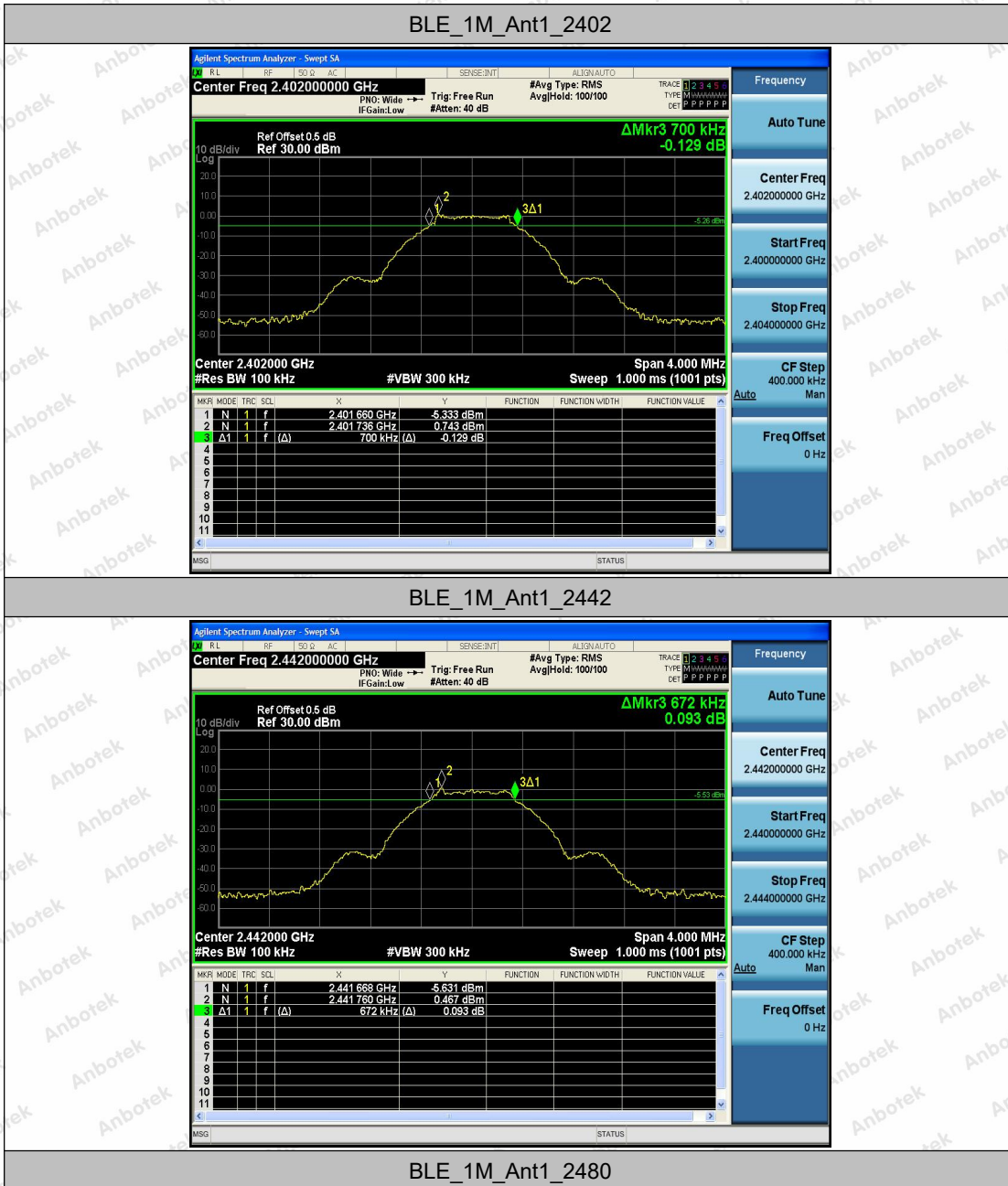
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## Test Graphs



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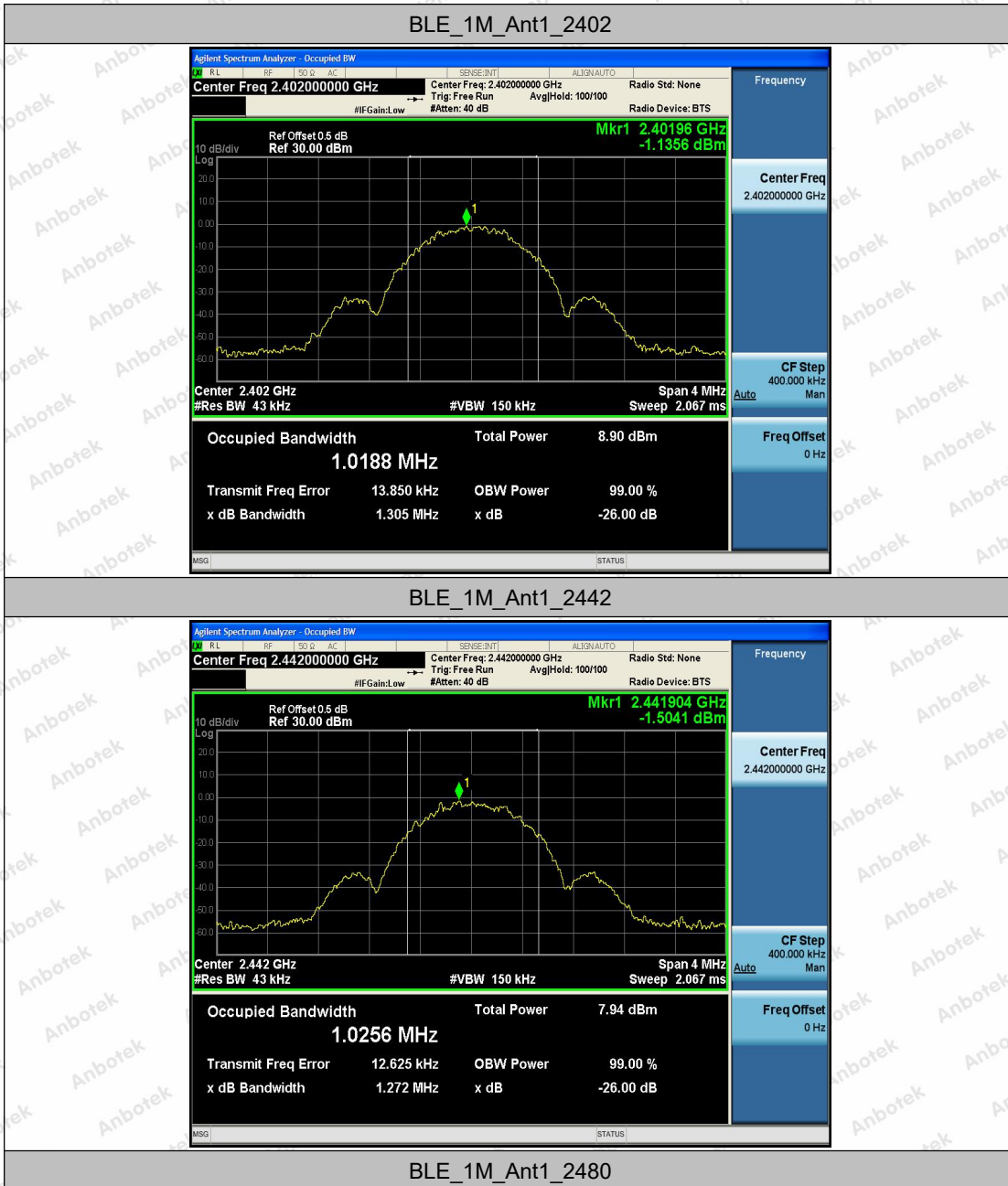
## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402    | 1.0188    | 2401.504 | 2402.523 | ---        | PASS    |
|          |         | 2442    | 1.0256    | 2441.500 | 2442.525 | ---        | PASS    |
|          |         | 2480    | 1.0184    | 2479.497 | 2480.516 | ---        | PASS    |



## Test Graphs

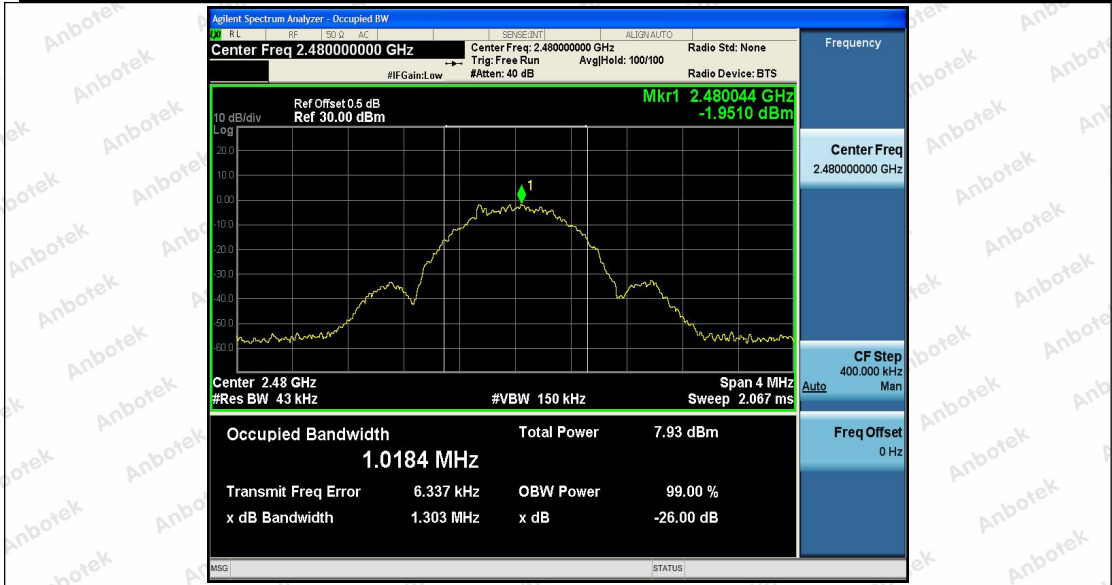


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## Appendix C: Maximum conducted output power

### Test Result

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402    | 1.58        | ≤30        | PASS    |
|          |         | 2442    | 0.59        | ≤30        | PASS    |
|          |         | 2480    | 0.56        | ≤30        | PASS    |

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## Test Graphs



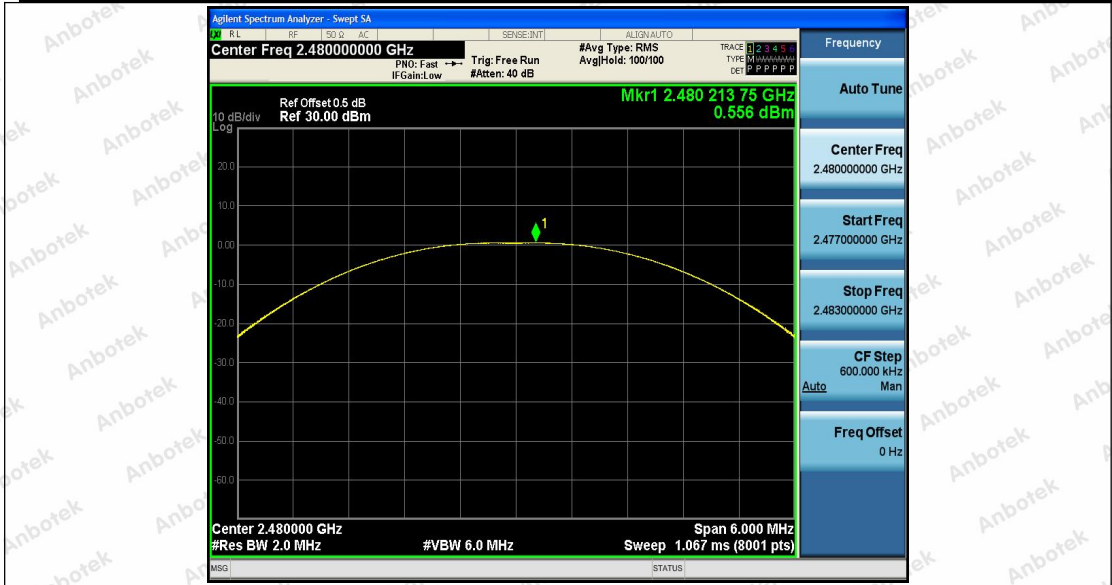
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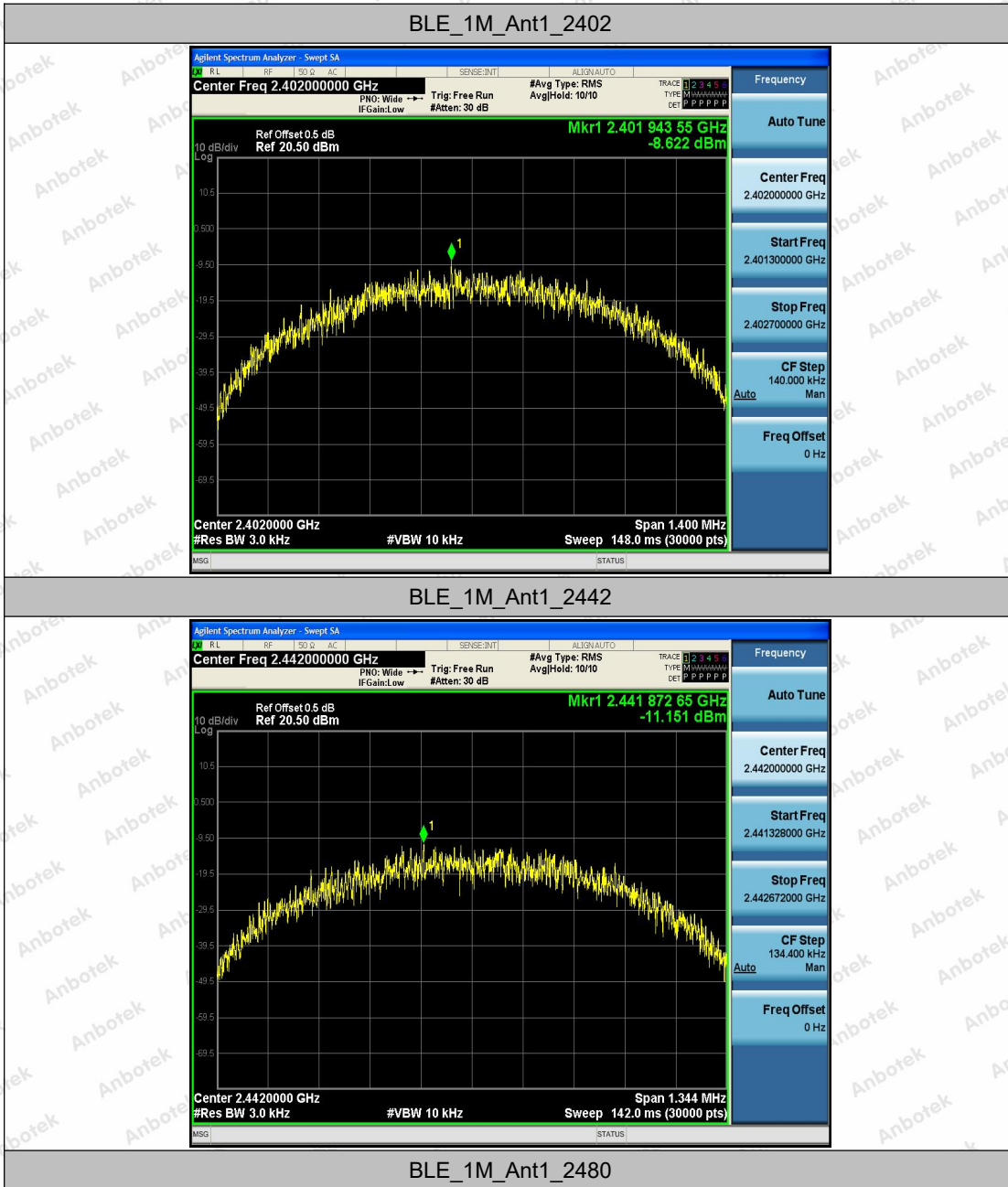
## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|---------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402    | -8.62            | ≤8              | PASS    |
|          |         | 2442    | -11.15           | ≤8              | PASS    |
|          |         | 2480    | -11              | ≤8              | PASS    |



## Test Graphs



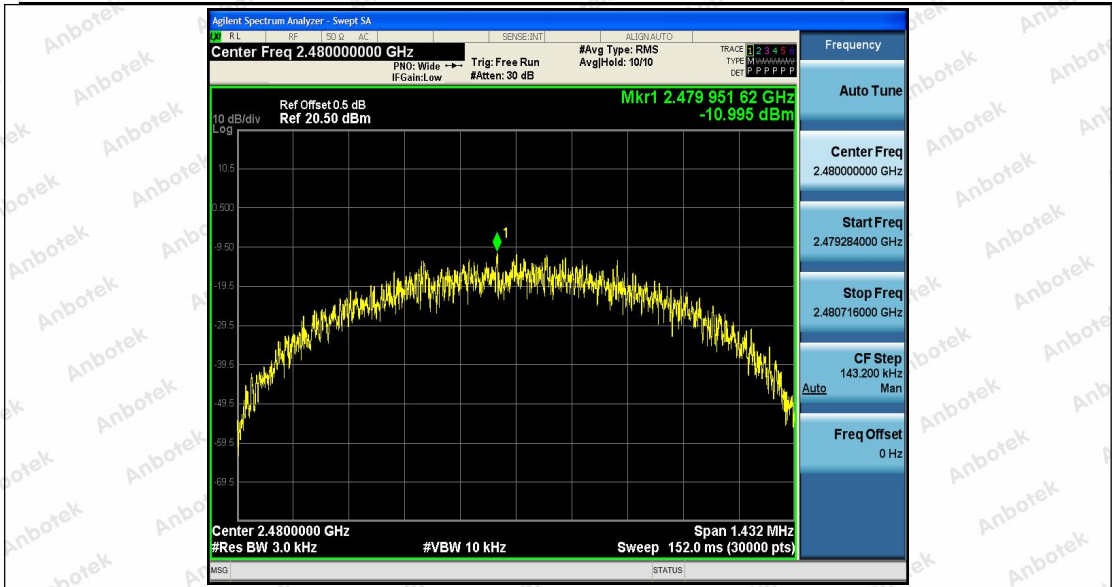
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## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|---------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402    | 1.21          | -57.41      | ≤-18.79    | PASS    |
|          |         | High   | 2480    | 0.38          | -59.22      | ≤-19.62    | PASS    |

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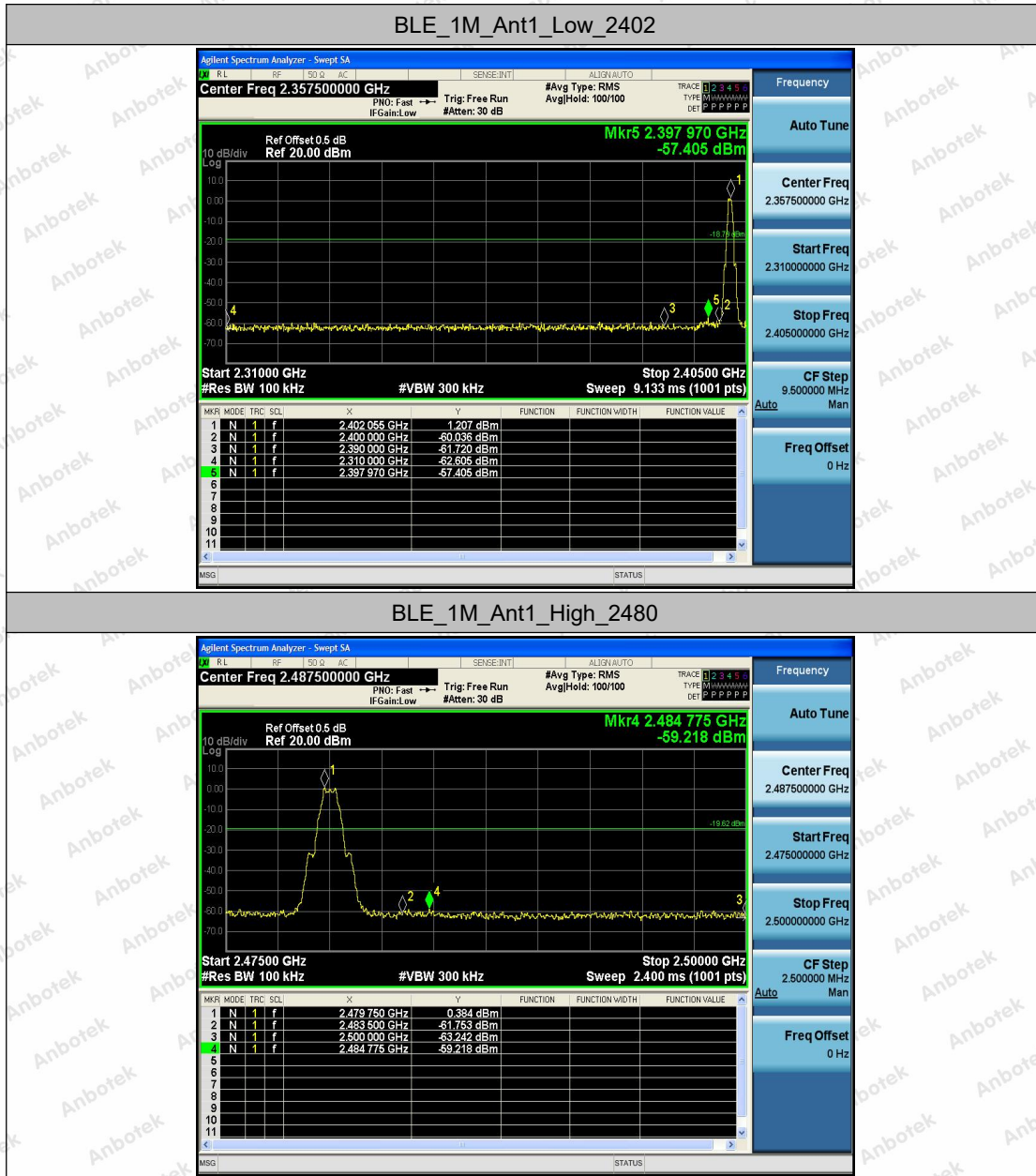
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## Test Graphs



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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          | 1.35              | 1.35        | ---        | PASS    |
|          |         |         | 30~1000            | 1.35              | -66.63      | ≤-18.66    | PASS    |
|          |         |         | 1000~265<br>00     | 1.35              | -54.87      | ≤-18.66    | PASS    |
|          |         | 2442    | Reference          | 0.25              | 0.25        | ---        | PASS    |
|          |         |         | 30~1000            | 0.25              | -66.47      | ≤-19.75    | PASS    |
|          |         |         | 1000~265<br>00     | 0.25              | -53.5       | ≤-19.75    | PASS    |
|          |         | 2480    | Reference          | -0.59             | -0.59       | ---        | PASS    |
|          |         |         | 30~1000            | -0.59             | -66.84      | ≤-20.59    | PASS    |
|          |         |         | 1000~265<br>00     | -0.59             | -54.52      | ≤-20.59    | PASS    |

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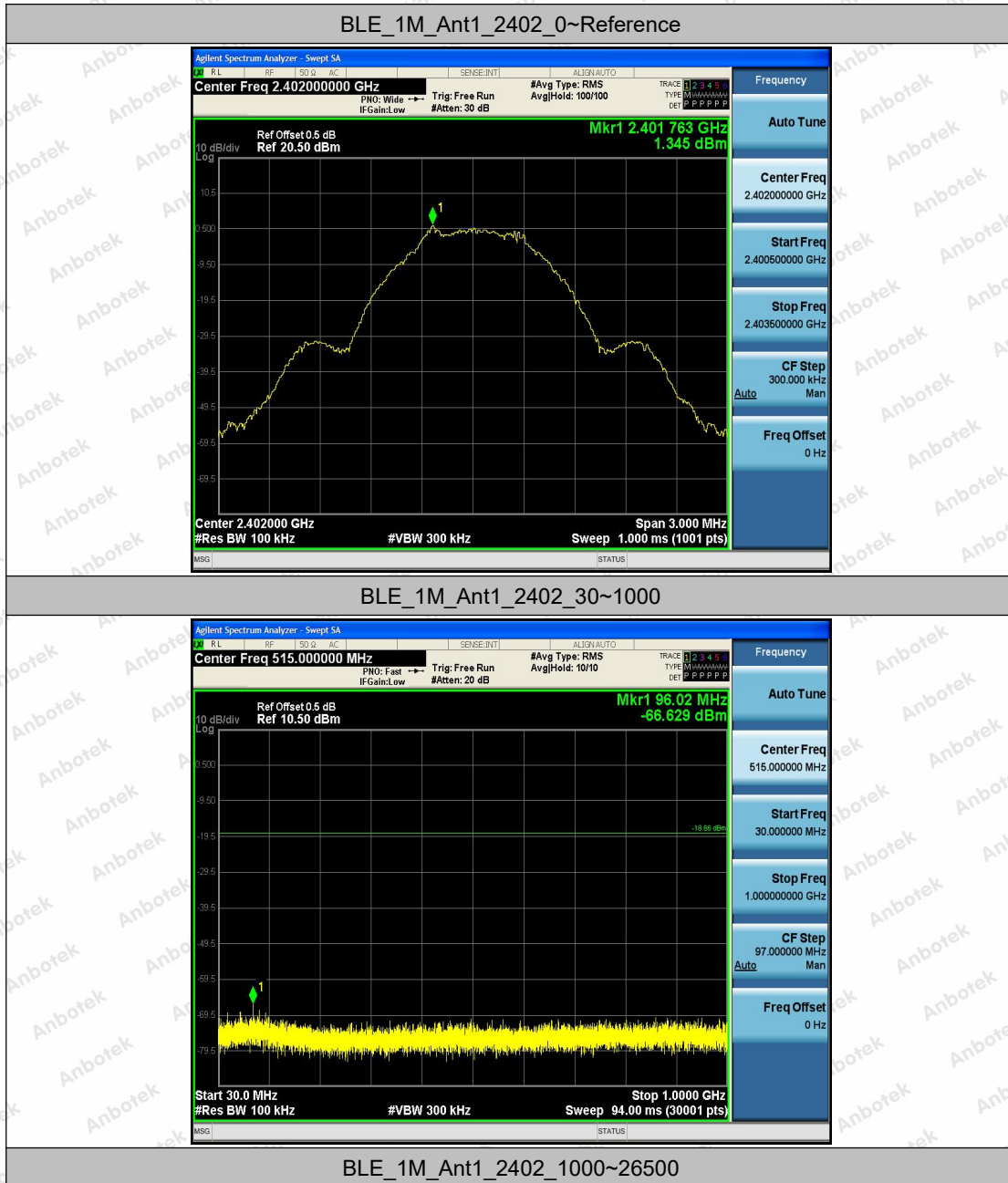
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## Test Graphs

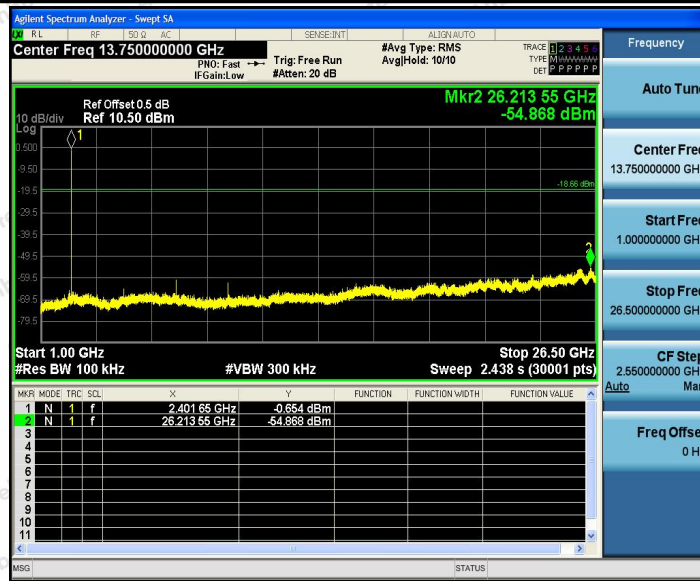


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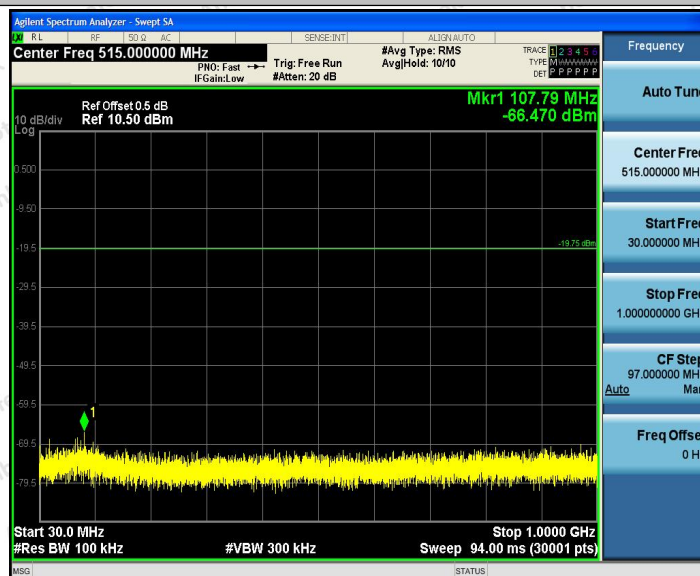




BLE\_1M\_Ant1\_2442\_0~Reference



BLE\_1M\_Ant1\_2442\_30~1000



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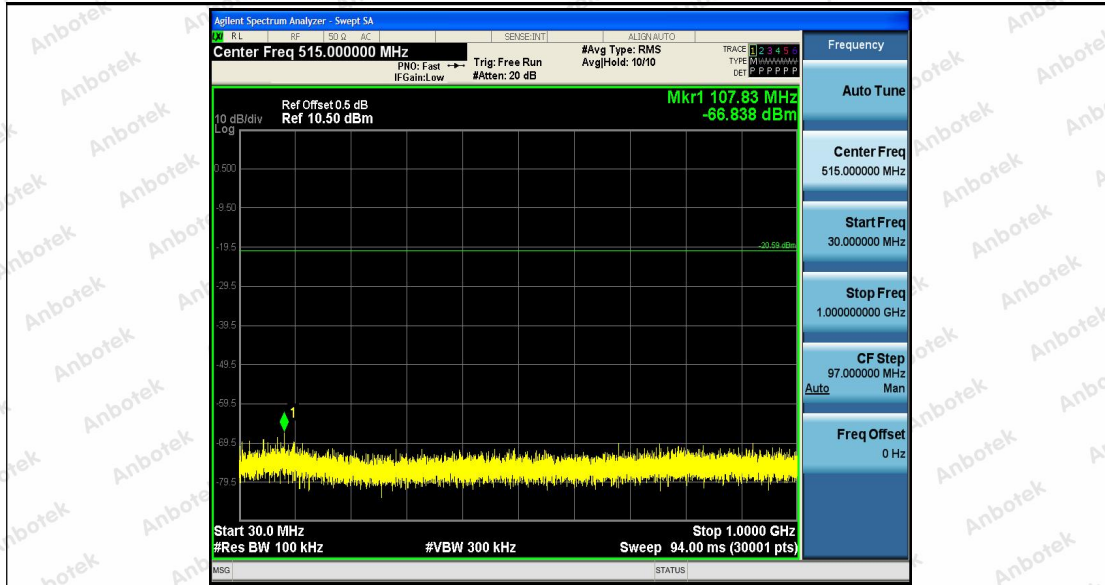


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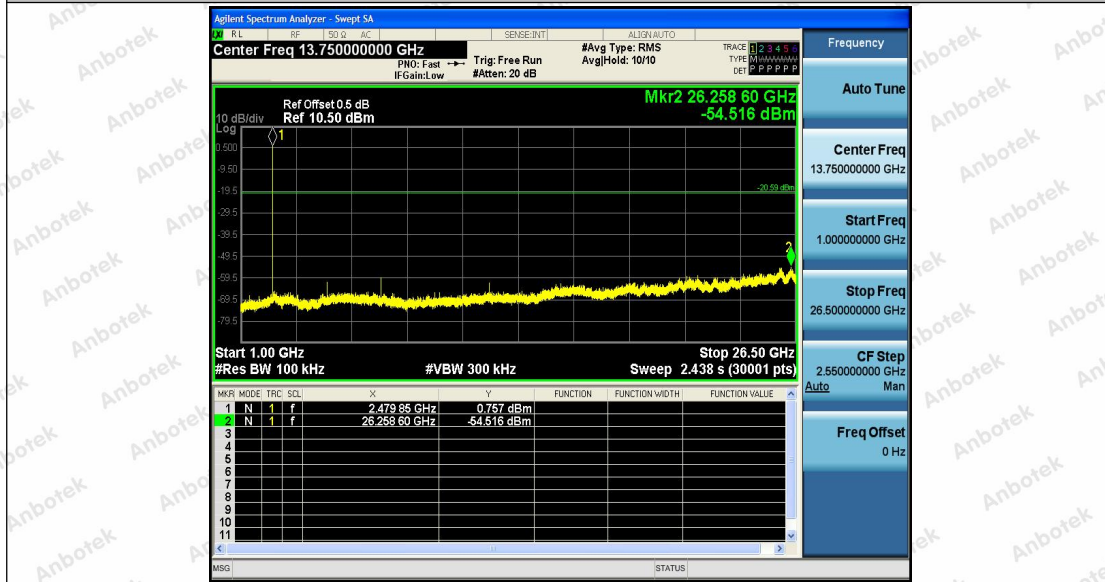
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### BLE\_1M\_Ant1\_2480\_1000~26500



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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    | 7.466           | 7.466          | 1 | 100       | 0       | ---   | PASS    |
|          |         | 2442    | 7.466           | 7.466          | 1 | 100       | 0       | ---   | PASS    |
|          |         | 2480    | 7.466           | 7.466          | 1 | 100       | 0       | ---   | PASS    |

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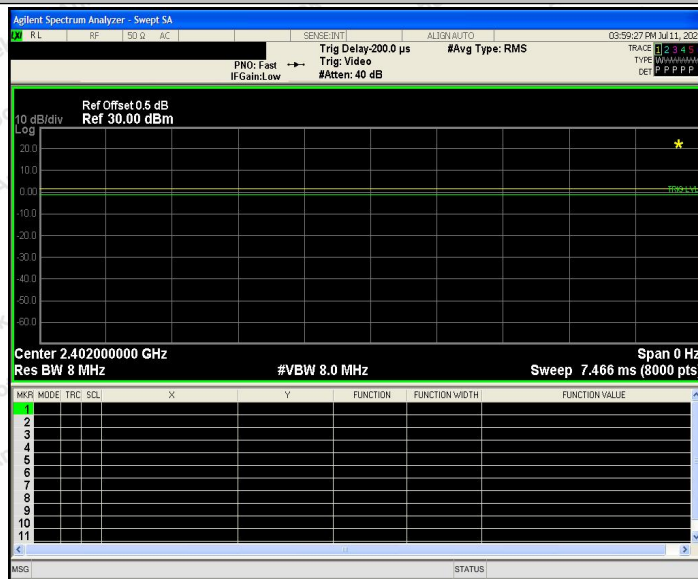
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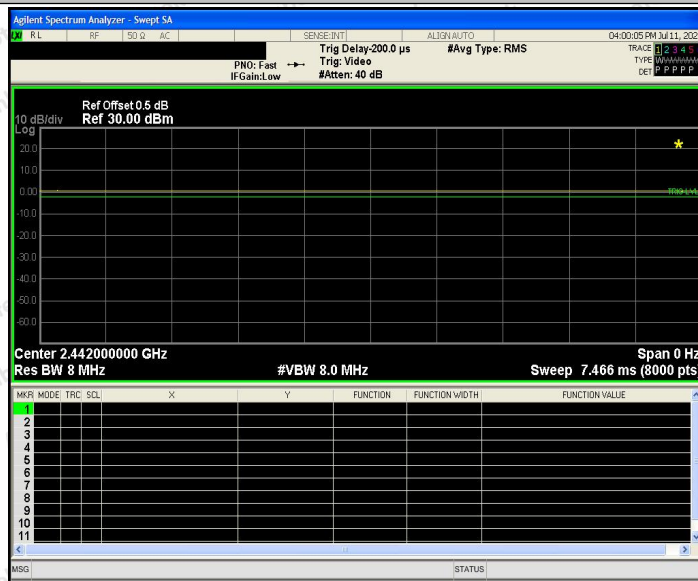


## Test Graphs

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2442



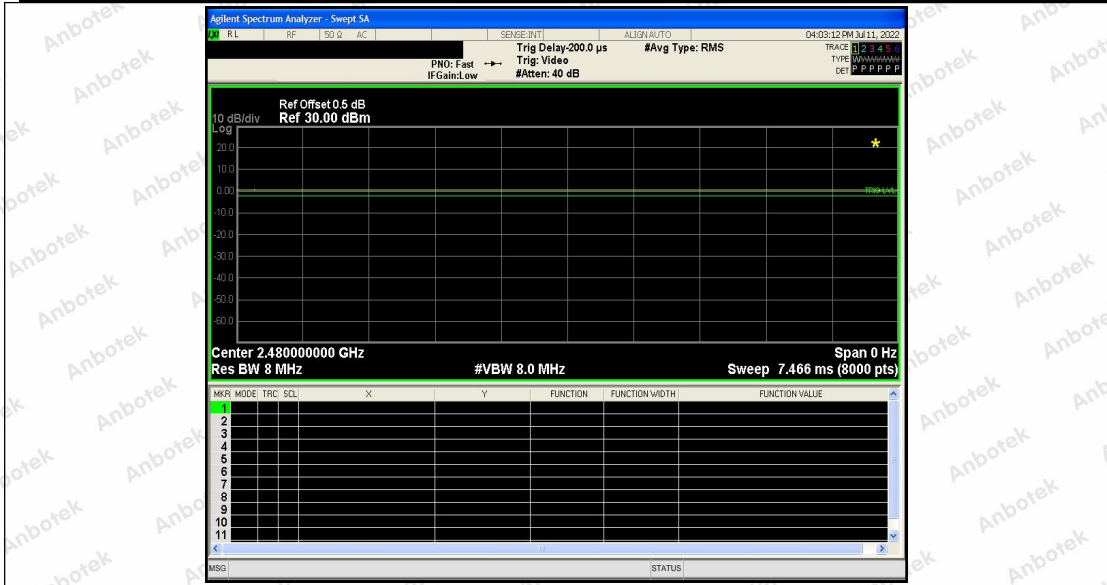
BLE\_1M\_Ant1\_2480

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