

Appendix Test Data

|                  |                  |                    |             |
|------------------|------------------|--------------------|-------------|
| Report No.:      | 182512C400239101 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2024.6.23        | Finish Test Date:  | 2024.6.24   |
| Test Engineer:   | Joker Huang      | Auditor:           | Justin Feng |
| Temperature:     | 25.3℃            | Relative Humidity: | 48%         |
| Pressure:        | 101kPa           |                    |             |

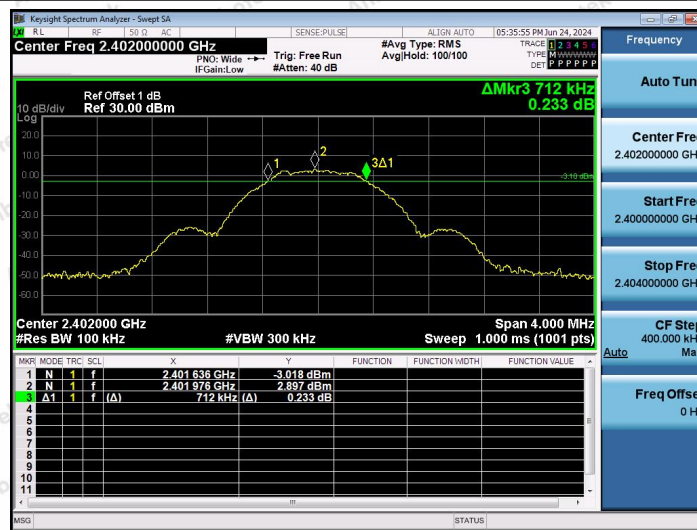
Appendix A: 6dB Bandwidth

Test Result

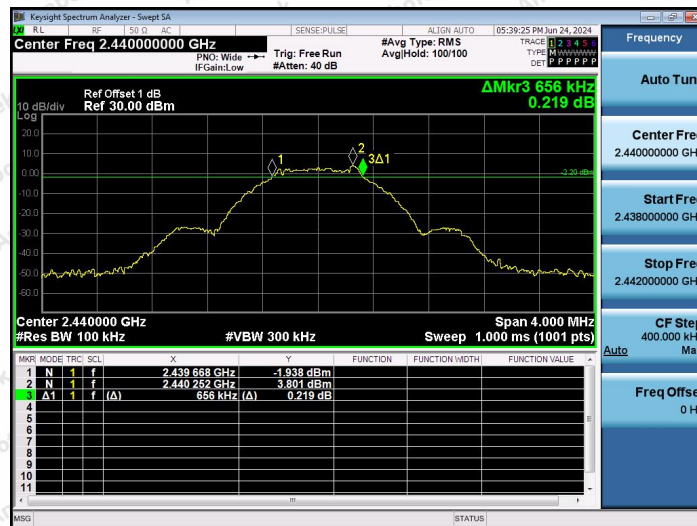
| TestMode | Antenna | Frequency[MHz] | 6dB BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.712        | 2401.636 | 2402.348 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2440           | 0.656        | 2439.668 | 2440.324 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2480           | 0.712        | 2479.640 | 2480.352 | 0.5        | PASS    |



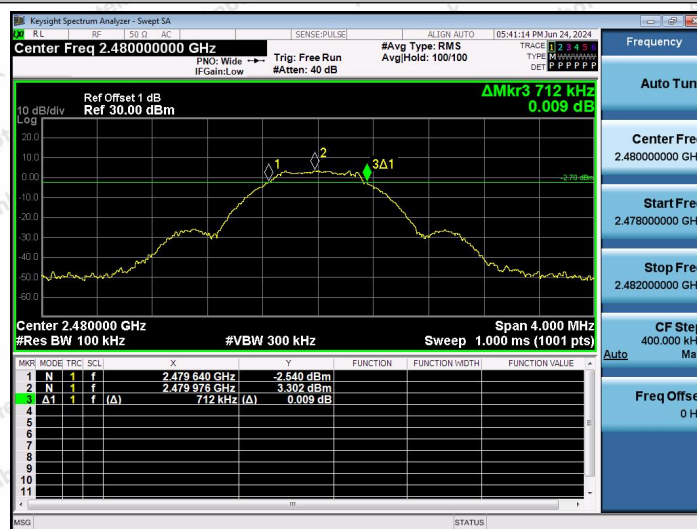
## Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

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## Appendix B: 99% Occupied Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|-----------|-----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 1.0462       | 2401.4790 | 2402.5252 | ---        | ---     |
| BLE_1M   | Ant1    | 2440           | 1.0313       | 2439.4852 | 2440.5165 | ---        | ---     |
| BLE_1M   | Ant1    | 2480           | 1.0356       | 2479.4818 | 2480.5174 | ---        | ---     |

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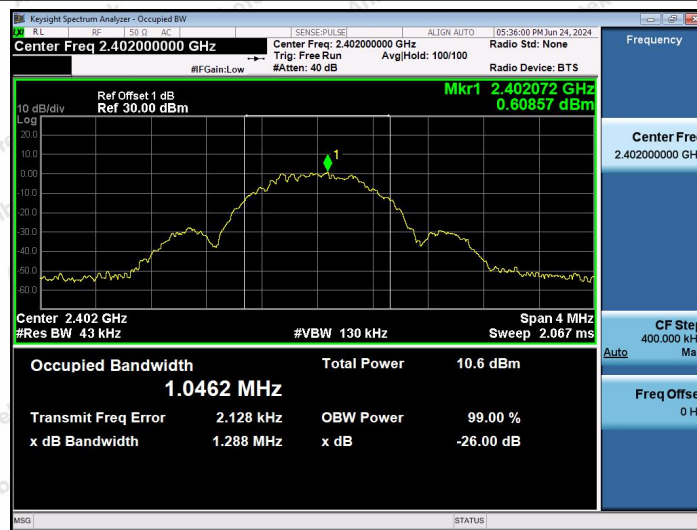
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## Test Graphs



BLE\_1M-Ant1-2402



BLE\_1M-Ant1-2440



BLE\_1M-Ant1-2480

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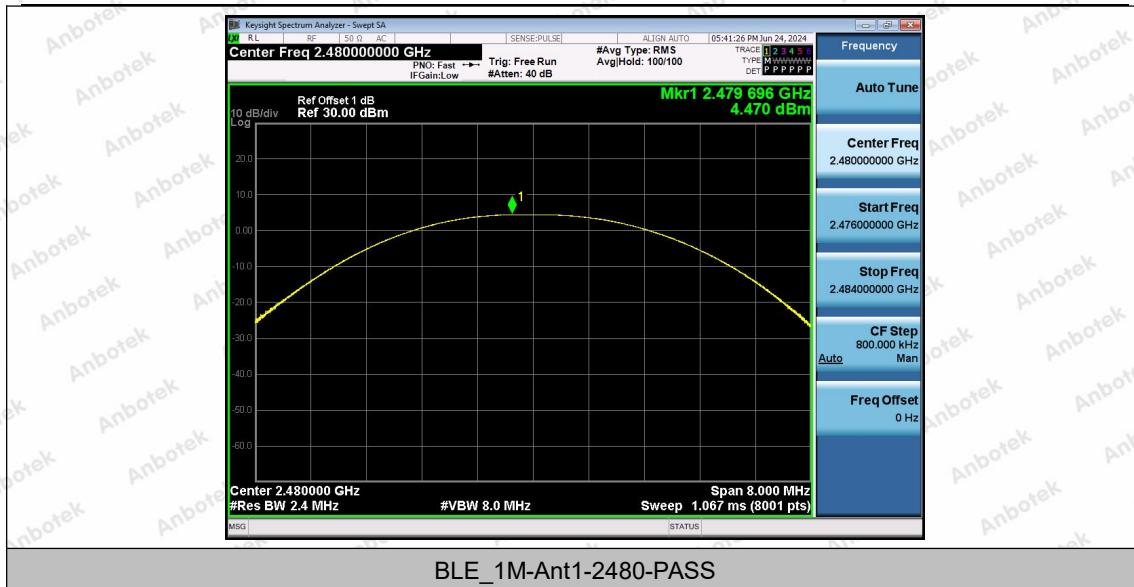
## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------|----------------------|---------|
| BLE_1M   | Ant1    | 2402           | 4.01                      | ≤30                  | PASS    |
| BLE_1M   | Ant1    | 2440           | 4.10                      | ≤30                  | PASS    |
| BLE_1M   | Ant1    | 2480           | 4.47                      | ≤30                  | PASS    |

### Test Graphs Peak



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## Appendix D: Maximum power spectral density

### Test Result

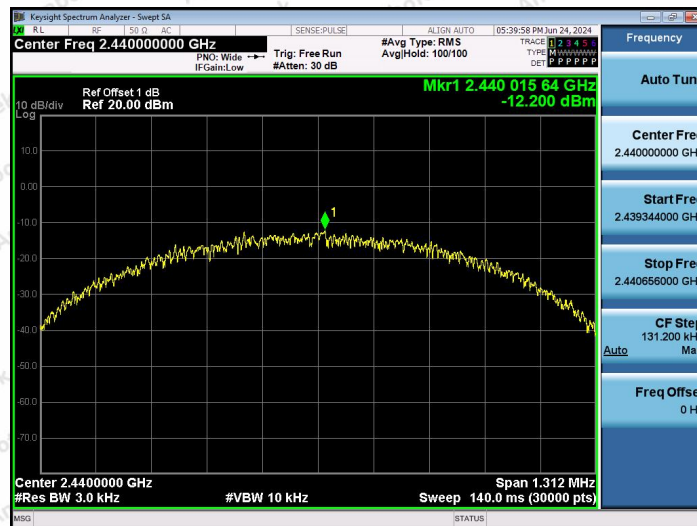
| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -12.35           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -12.20           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -11.78           | ≤8.00           | PASS    |



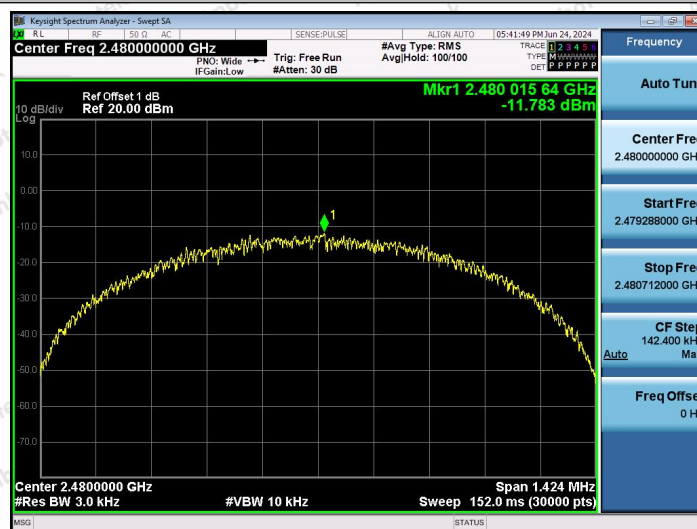
## Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

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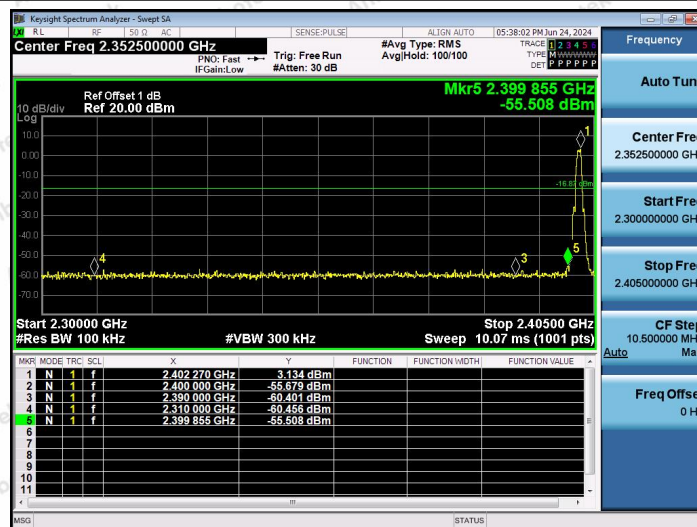
## Appendix E: Band edge measurements

### Test Result

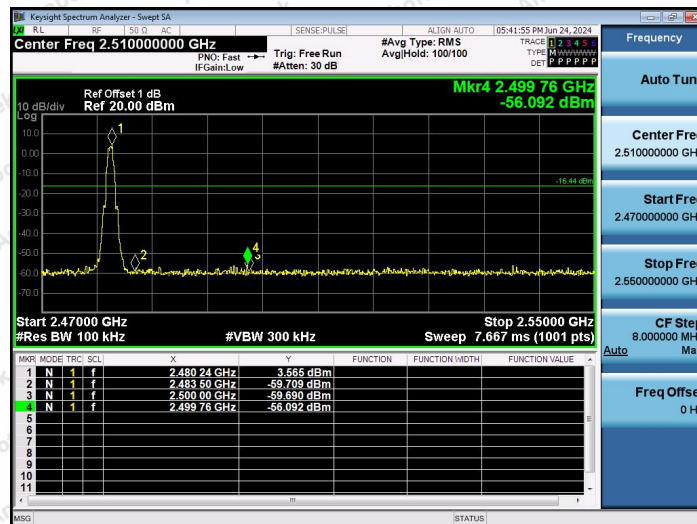
| TestMode | Antenna | Channel | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|----------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low     | 2402           | 3.13          | -55.51      | ≤-16.87    | PASS    |
| BLE_1M   | Ant1    | High    | 2480           | 3.57          | -56.09      | ≤-16.44    | PASS    |



## Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2480-PASS

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## Appendix F: Conducted Spurious Emission

### Test Result

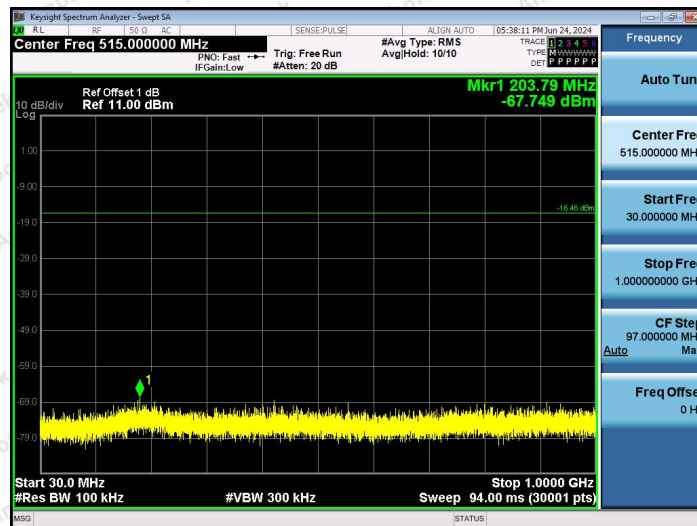
| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0~Reference     | 3.54           | 3.54        | ---        | PASS    |
| BLE_1M   | Ant1    | 2402           | 30~1000         | 3.54           | -67.75      | ≤-16.46    | PASS    |
| BLE_1M   | Ant1    | 2402           | 1000~26500      | 3.54           | -52.56      | ≤-16.46    | PASS    |
| BLE_1M   | Ant1    | 2440           | 0~Reference     | 2.02           | 2.02        | ---        | PASS    |
| BLE_1M   | Ant1    | 2440           | 30~1000         | 2.02           | -67.99      | ≤-17.98    | PASS    |
| BLE_1M   | Ant1    | 2440           | 1000~26500      | 2.02           | -53.52      | ≤-17.98    | PASS    |
| BLE_1M   | Ant1    | 2480           | 0~Reference     | 2.53           | 2.53        | ---        | PASS    |
| BLE_1M   | Ant1    | 2480           | 30~1000         | 2.53           | -68.08      | ≤-17.47    | PASS    |
| BLE_1M   | Ant1    | 2480           | 1000~26500      | 2.53           | -52.8       | ≤-17.47    | PASS    |



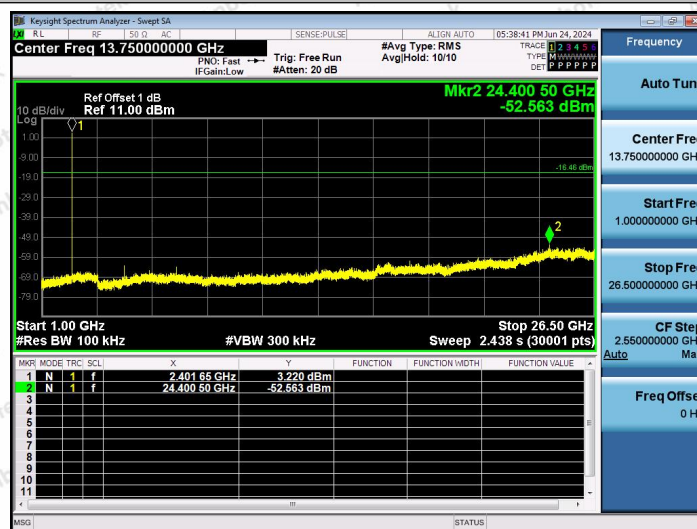
## Test Graphs



BLE\_1M-Ant1-2402-0~Reference-PASS



BLE\_1M-Ant1-2402-30~1000-PASS



BLE\_1M-Ant1-2402-1000~26500-PASS

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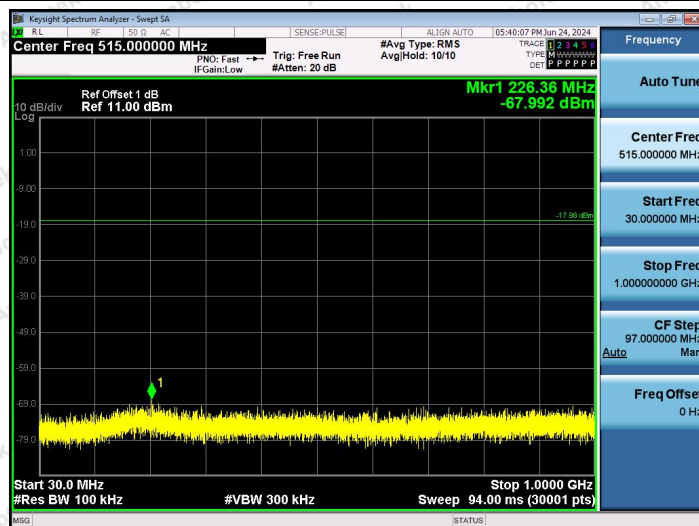


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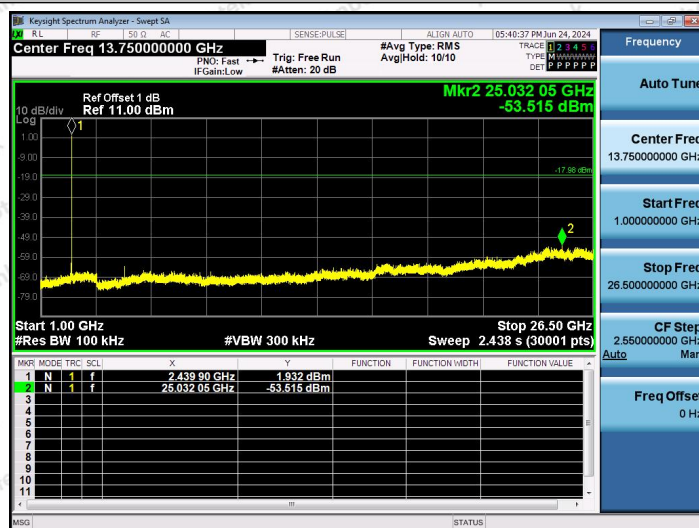




BLE\_1M-Ant1-2440-0~Reference-PASS



BLE\_1M-Ant1-2440-30~1000-PASS



BLE\_1M-Ant1-2440-1000~26500-PASS

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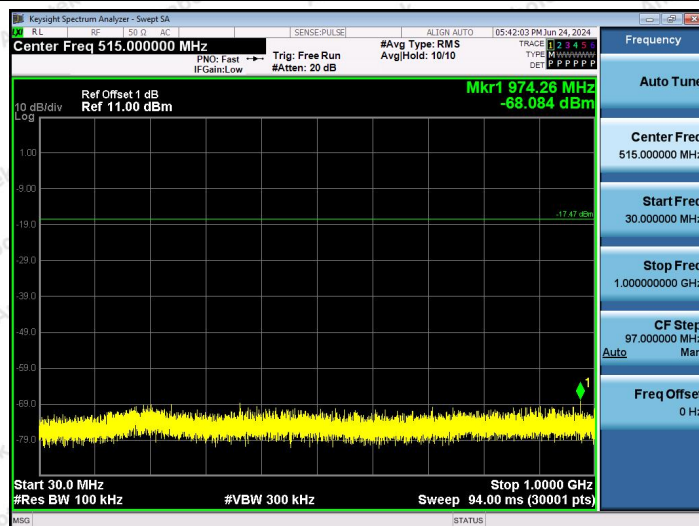


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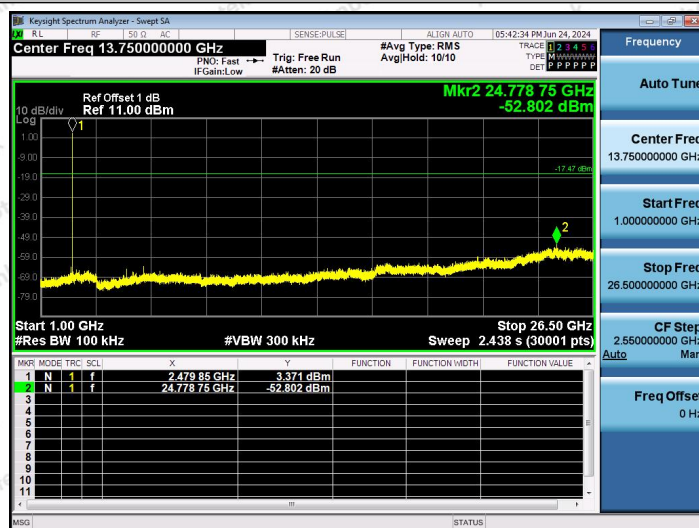




BLE\_1M-Ant1-2480-0~Reference-PASS



BLE\_1M-Ant1-2480-30~1000-PASS



BLE\_1M-Ant1-2480-1000~26500-PASS

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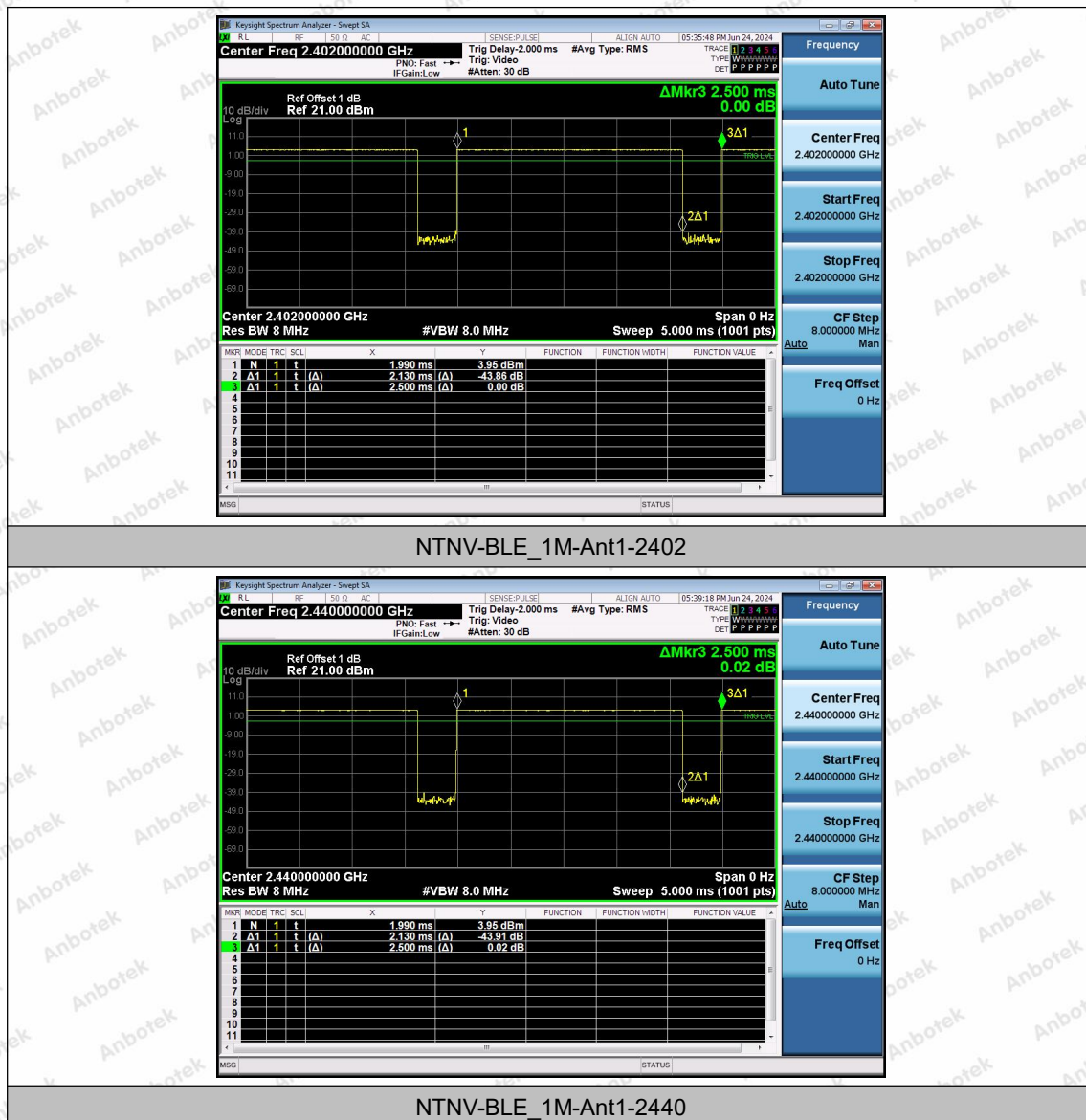


## Appendix G: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>Factor[dB] |
|----------|---------|----------------|-----------------|----------------|-------------------|--------------------------|
| BLE_1M   | Ant1    | 2402           | 2.13            | 2.50           | 85.20             | 0.70                     |
| BLE_1M   | Ant1    | 2440           | 2.13            | 2.50           | 85.20             | 0.70                     |
| BLE_1M   | Ant1    | 2480           | 2.13            | 2.50           | 85.20             | 0.70                     |

### Test Graphs



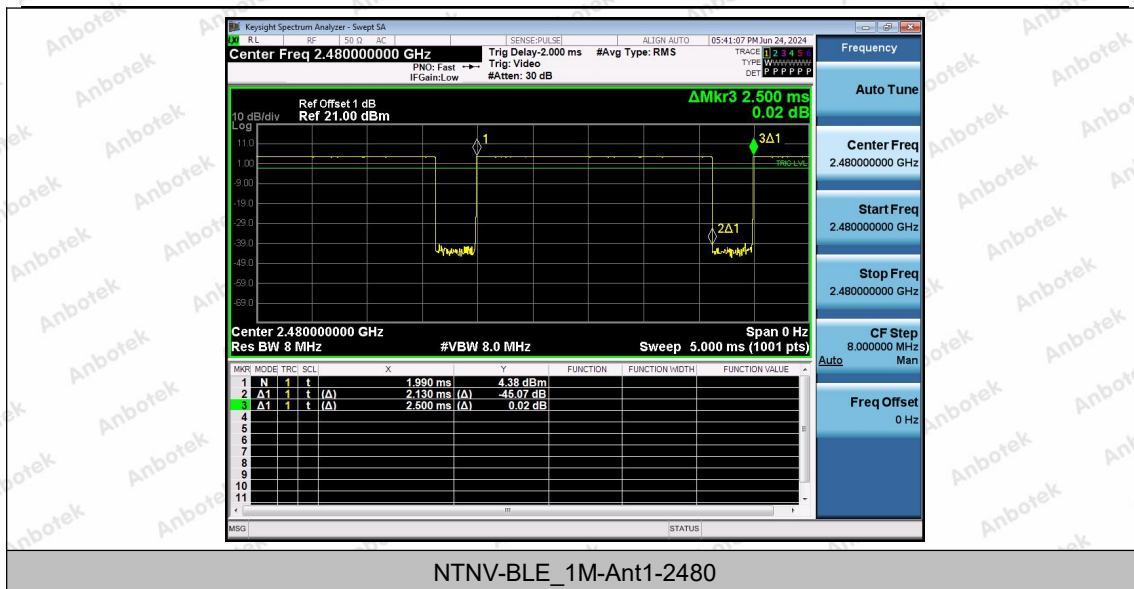
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