

## Appendix Test Data

|                  |                 |                    |            |
|------------------|-----------------|--------------------|------------|
| Report No.:      | 18220WC30130901 | Test Sample No.:   | 1-2-2      |
| Start Test Date: | 2023.06.28      | Finish Test Date:  | 2023.06.29 |
| Test Engineer:   | RICK Luo        | Auditor:           | Edward Pan |
| Temperature:     | 25.2°C          | Relative Humidity: | 48%        |
| Pressure:        | 1012 hPa        |                    |            |

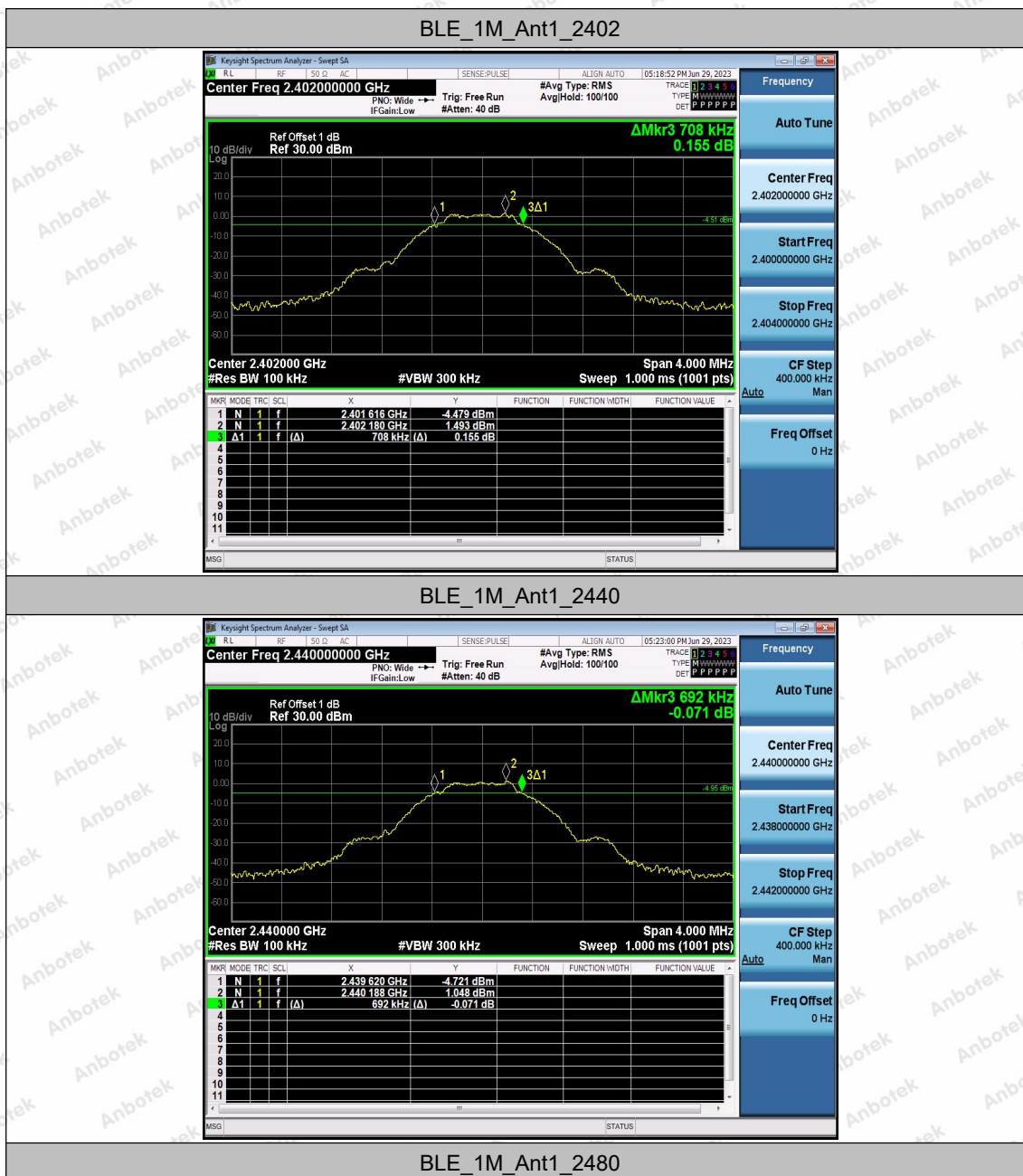
## Appendix A: DTS Bandwidth

## Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.708        | 2401.616 | 2402.324 | 0.5        | PASS    |
|          |         | 2440           | 0.692        | 2439.620 | 2440.312 | 0.5        | PASS    |
|          |         | 2480           | 0.684        | 2479.632 | 2480.316 | 0.5        | PASS    |



## Test Graphs



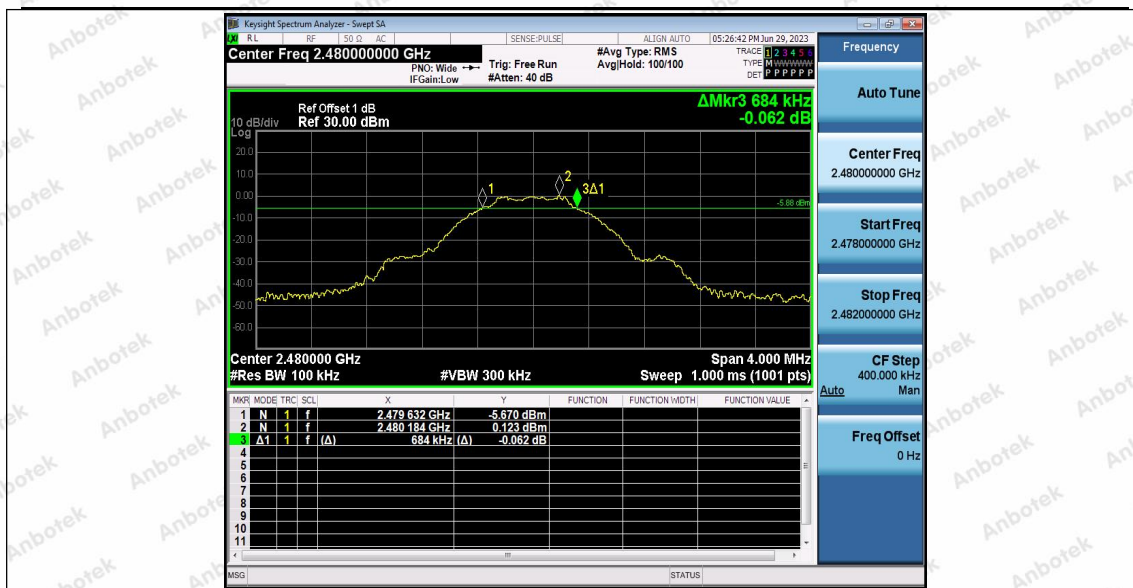
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Hotline  
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## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   |
|-----------|---------|----------------|-----------|-----------|-----------|
| BLE_1M    | Ant1    | 2402           | 1.0921    | 2401.4385 | 2402.5306 |
|           |         | 2440           | 1.0883    | 2439.4386 | 2440.5269 |
|           |         | 2480           | 1.1085    | 2479.4273 | 2480.5358 |



## Test Graphs



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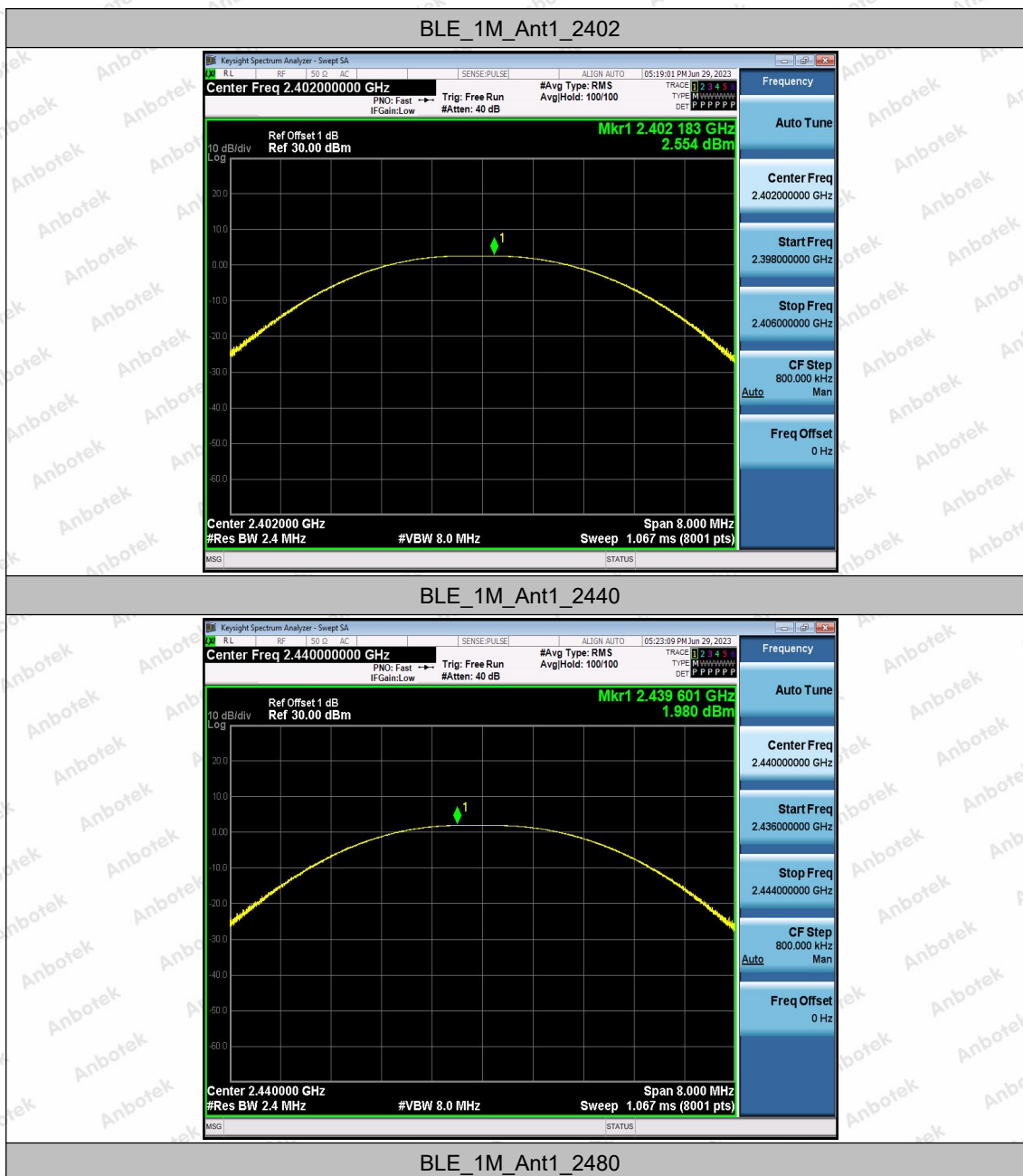
## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| BLE_1M    | Ant1    | 2402           | 2.55                      | ≤30                  | PASS    |
|           |         | 2440           | 1.98                      | ≤30                  | PASS    |
|           |         | 2480           | 1.11                      | ≤30                  | PASS    |



## Test Graphs Peak



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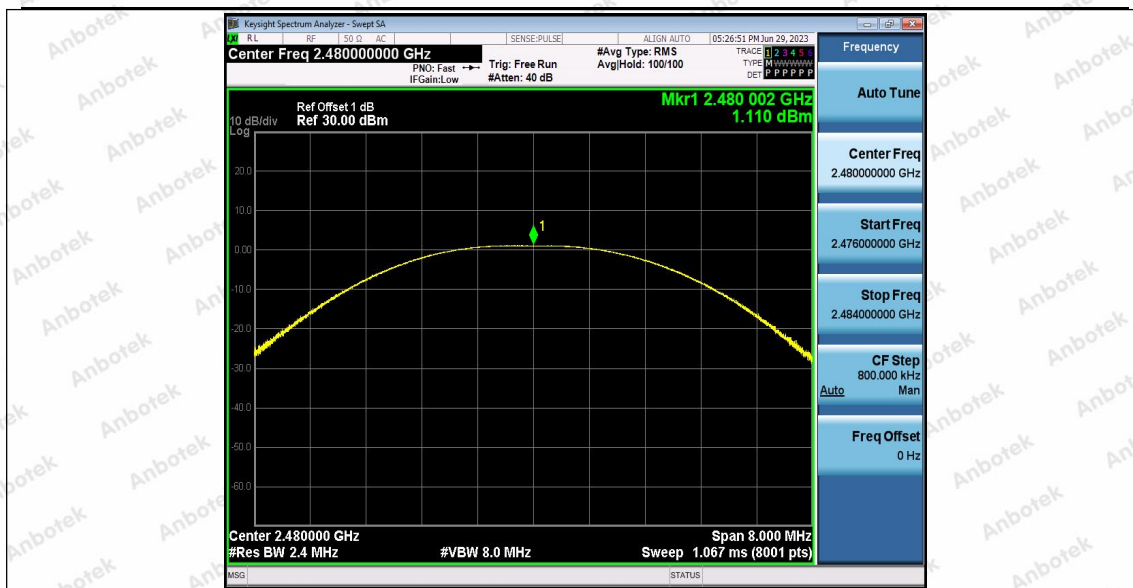
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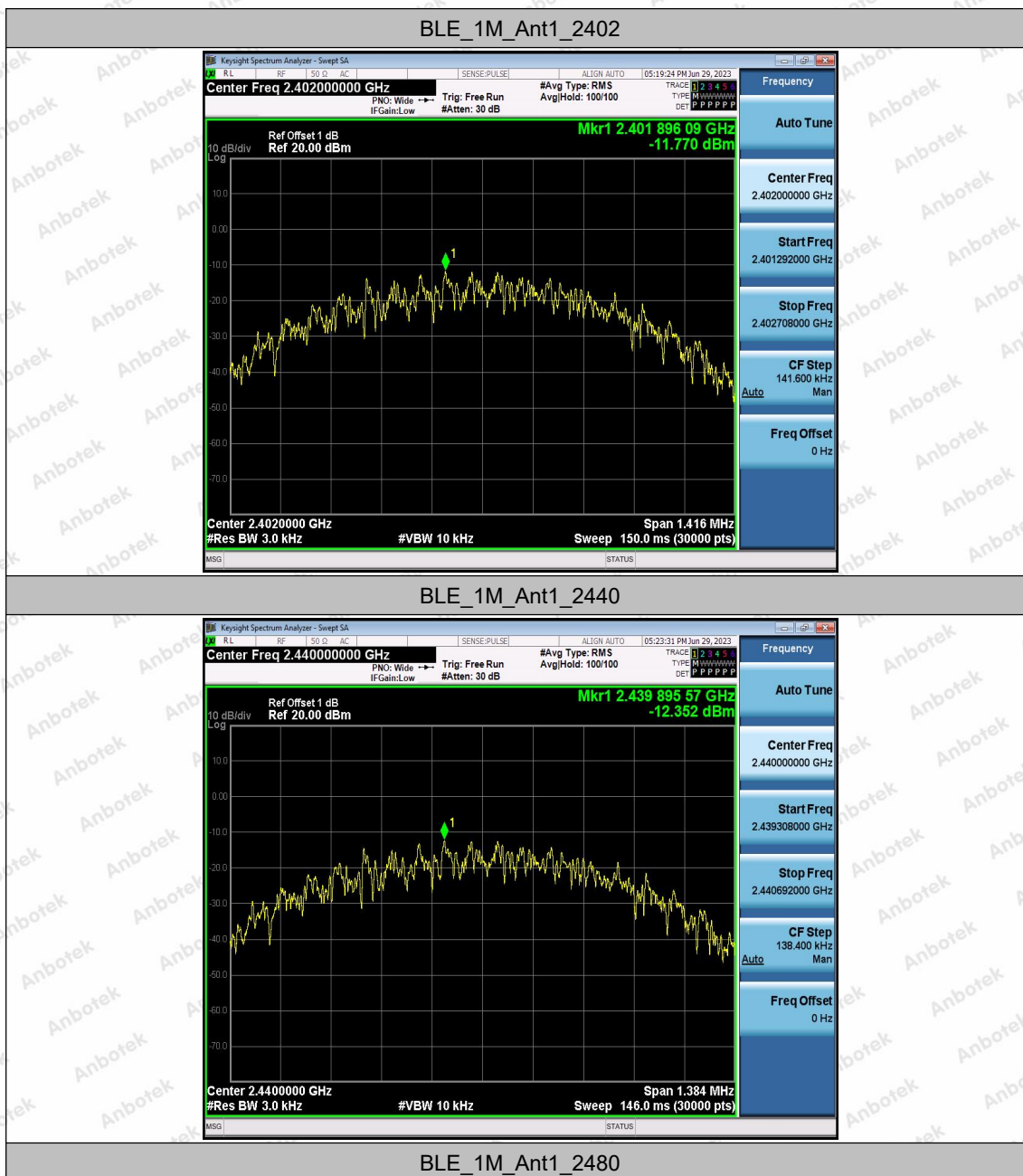
## Appendix D: Maximum power spectral density

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M    | Ant1    | 2402           | -11.77           | ≤8.00           | PASS    |
|           |         | 2440           | -12.35           | ≤8.00           | PASS    |
|           |         | 2480           | -13.24           | ≤8.00           | PASS    |



## Test Graphs



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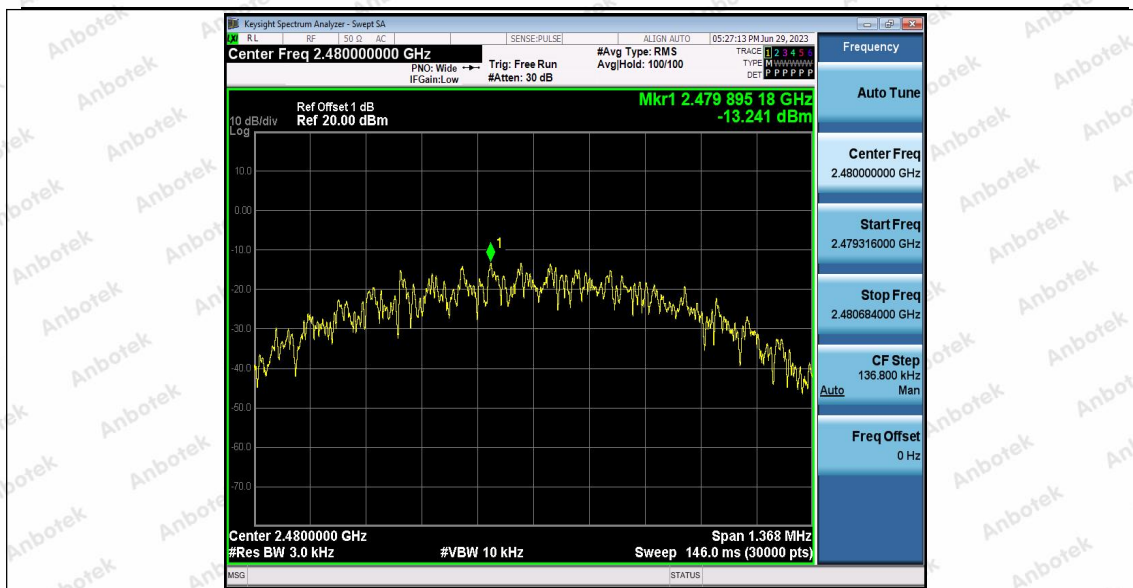
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## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Frequency [MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|-----------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402            | 1.46          | -44.32      | ≤-18.54    | PASS    |
|          |         | High   | 2480            | 0.31          | -47.01      | ≤-19.69    | PASS    |

### Test Graphs



## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency<br>[MHz] | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------------------|--------------------|-------------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402               | Reference          | 0.56              | 0.56        | ---        | PASS    |
|          |         |                    | 30~1000            | 0.56              | -67.18      | ≤-19.44    | PASS    |
|          |         |                    | 1000~26500         | 0.56              | -43.93      | ≤-19.44    | PASS    |
|          |         | 2440               | Reference          | -0.07             | -0.07       | ---        | PASS    |
|          |         |                    | 30~1000            | -0.07             | -67.65      | ≤-20.07    | PASS    |
|          |         |                    | 1000~26500         | -0.07             | -43.35      | ≤-20.07    | PASS    |
|          |         | 2480               | Reference          | -1.24             | -1.24       | ---        | PASS    |
|          |         |                    | 30~1000            | -1.24             | -66.99      | ≤-21.24    | PASS    |
|          |         |                    | 1000~26500         | -1.24             | -43.08      | ≤-21.24    | PASS    |



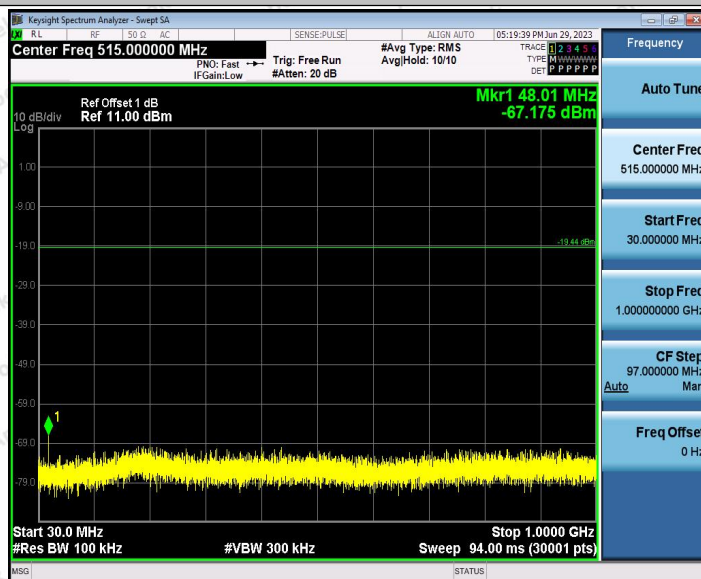


## Test Graphs

BLE\_1M\_Ant1\_2402\_0~Reference



BLE\_1M\_Ant1\_2402\_30~1000



BLE\_1M\_Ant1\_2402\_1000~26500

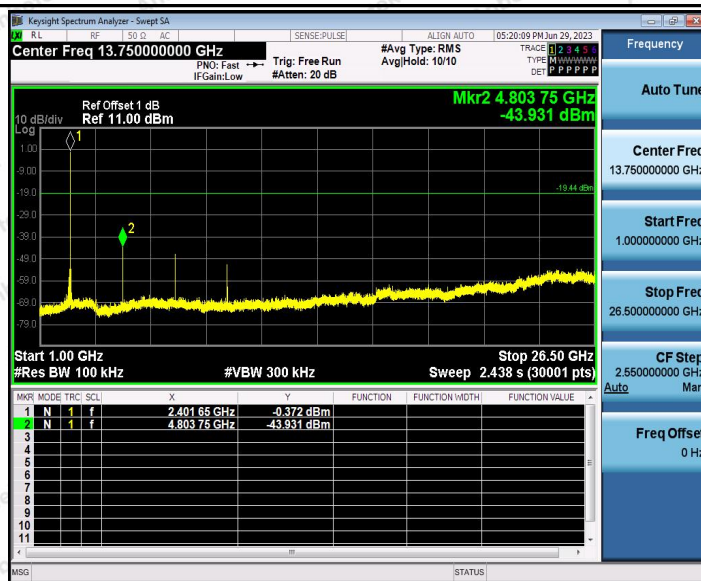
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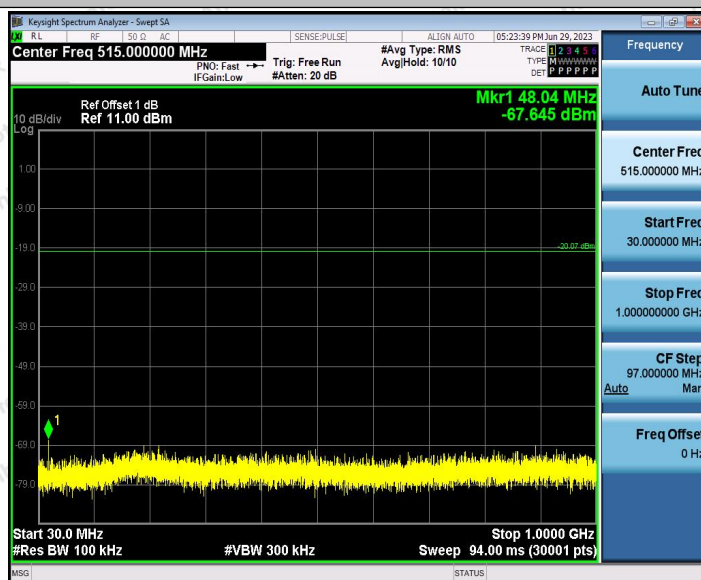




BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



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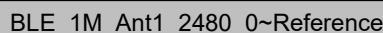
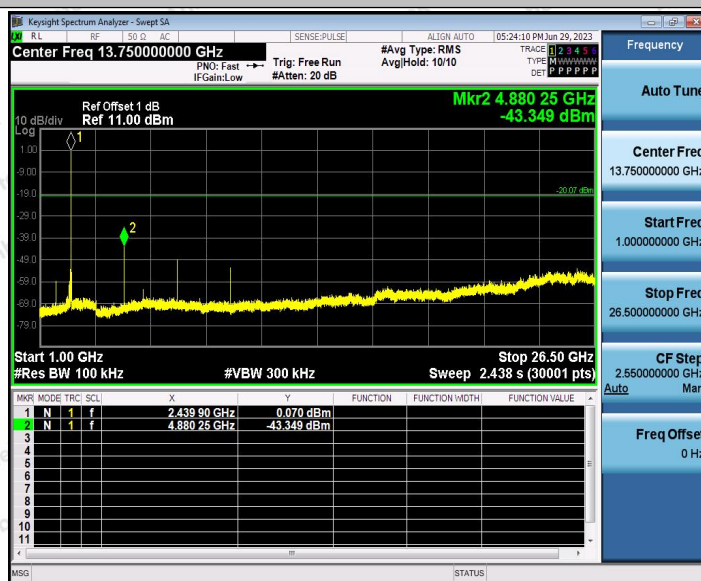
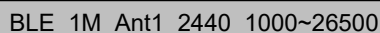


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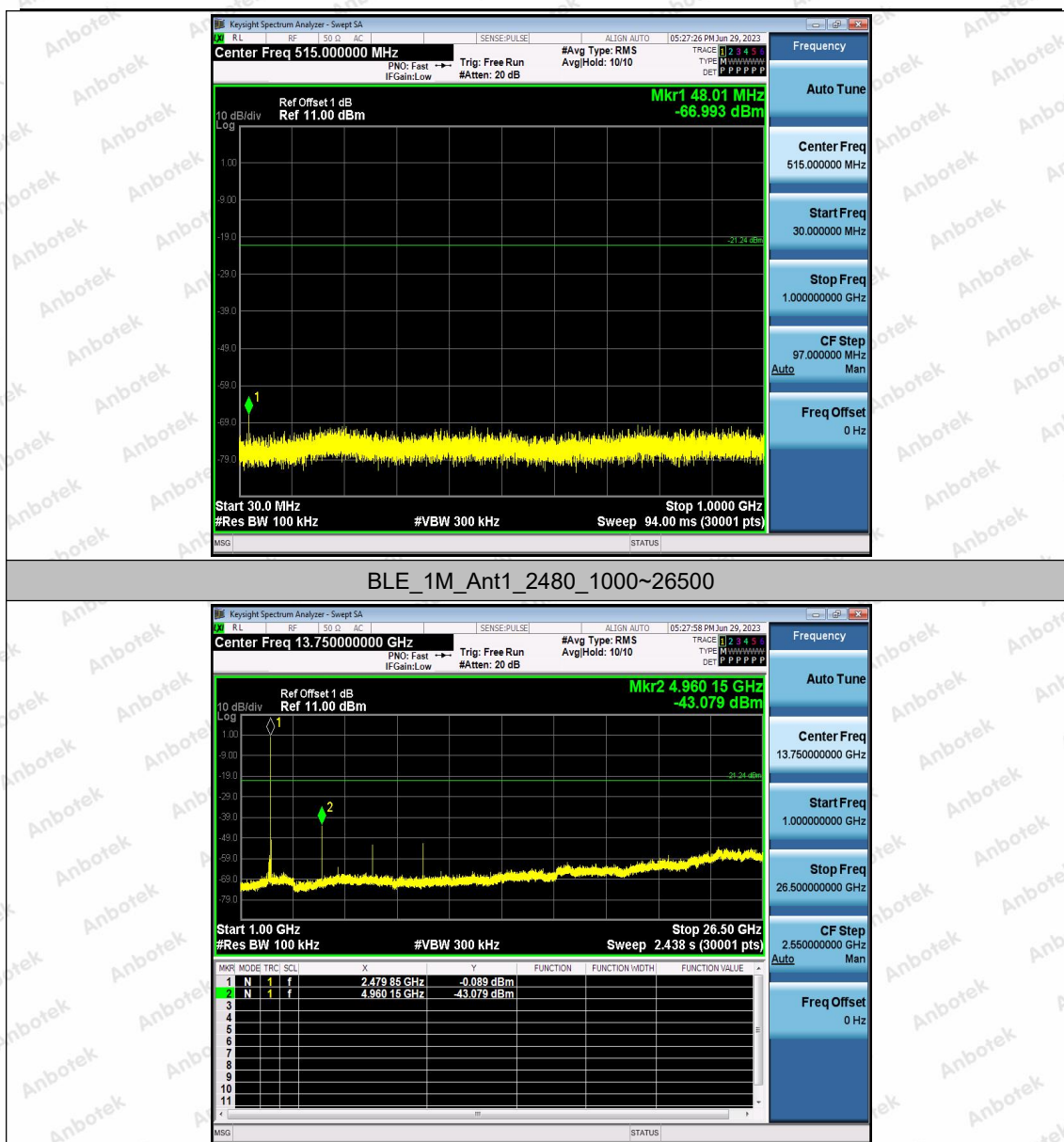




|     |    |      |      |         |
|-----|----|------|------|---------|
| BLE | 1M | Ant1 | 2480 | 30~1000 |
|-----|----|------|------|---------|





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## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency[MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|-----------|---------|----------------|--------------|-------------|----------------|-----------------------|
| BLE_1M    | Ant1    | 2402           | 19.00        | 19.00       | 100            | 0.00                  |
|           |         | 2440           | 19.00        | 19.00       | 100            | 0.00                  |
|           |         | 2480           | 19.00        | 19.00       | 100            | 0.00                  |

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## Test Graphs



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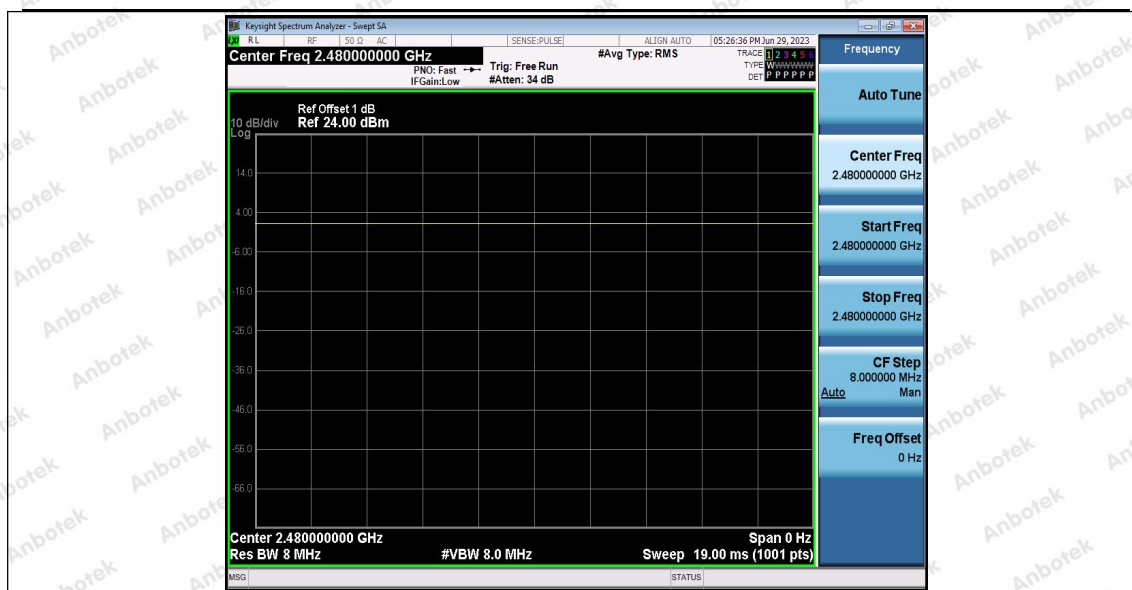
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