

## Appendix Test Data

|                  |                 |                    |            |
|------------------|-----------------|--------------------|------------|
| Report No.:      | 18220WC30182601 | Test Sample No.:   | 1-2-2      |
| Start Test Date: | 2023.08.29      | Finish Test Date:  | 2023.09.07 |
| Test Engineer:   | Hayman Chen     | Auditor:           | Rick Luo   |
| Temperature:     | 25.3°C          | Relative Humidity: | 48%        |
| Pressure:        | 102kPa          |                    |            |

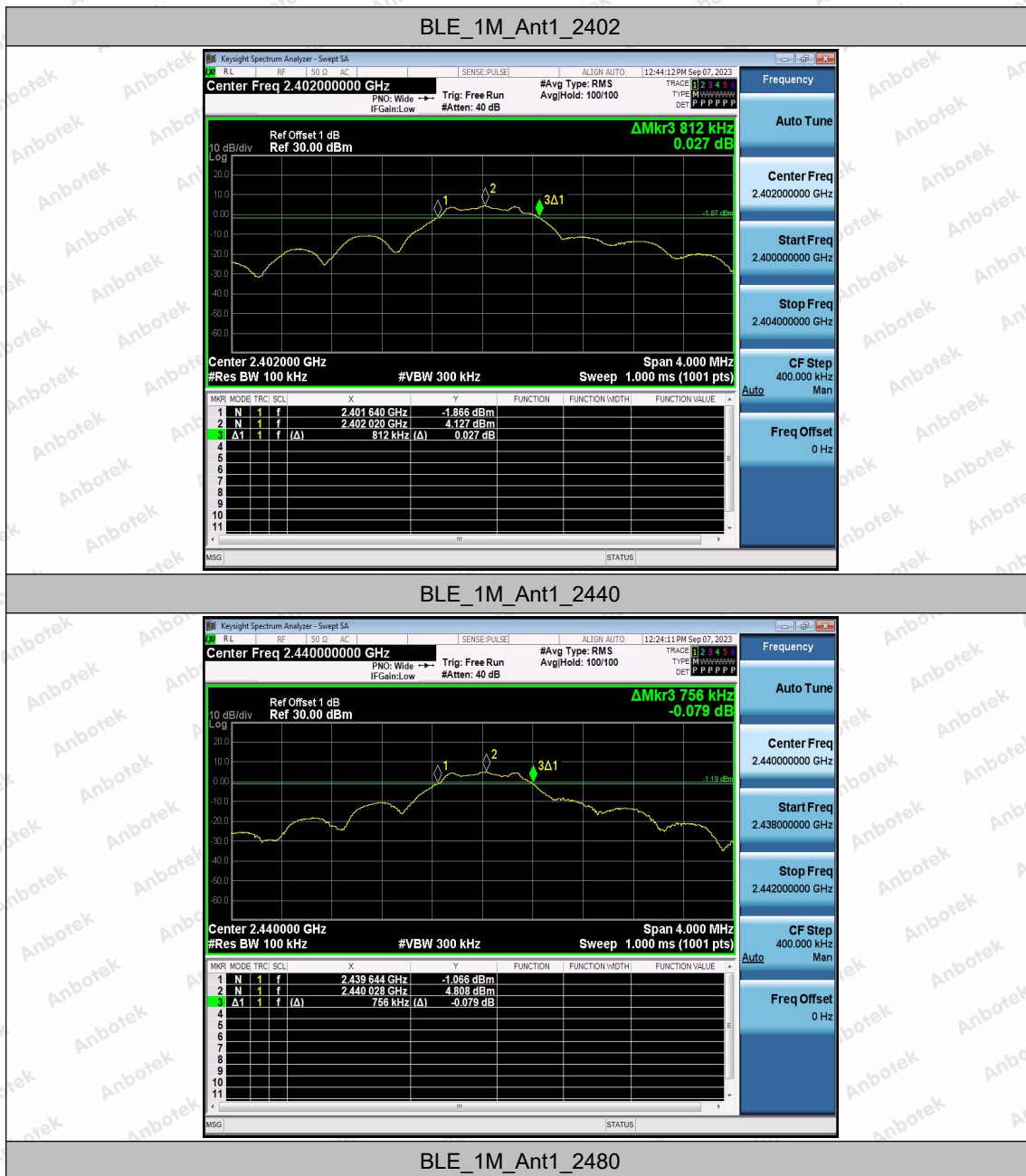
## Appendix A: DTS Bandwidth

## Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.812        | 2401.640 | 2402.452 | 0.5        | PASS    |
|          |         | 2440           | 0.756        | 2439.644 | 2440.400 | 0.5        | PASS    |
|          |         | 2480           | 0.720        | 2479.644 | 2480.364 | 0.5        | PASS    |



## Test Graphs



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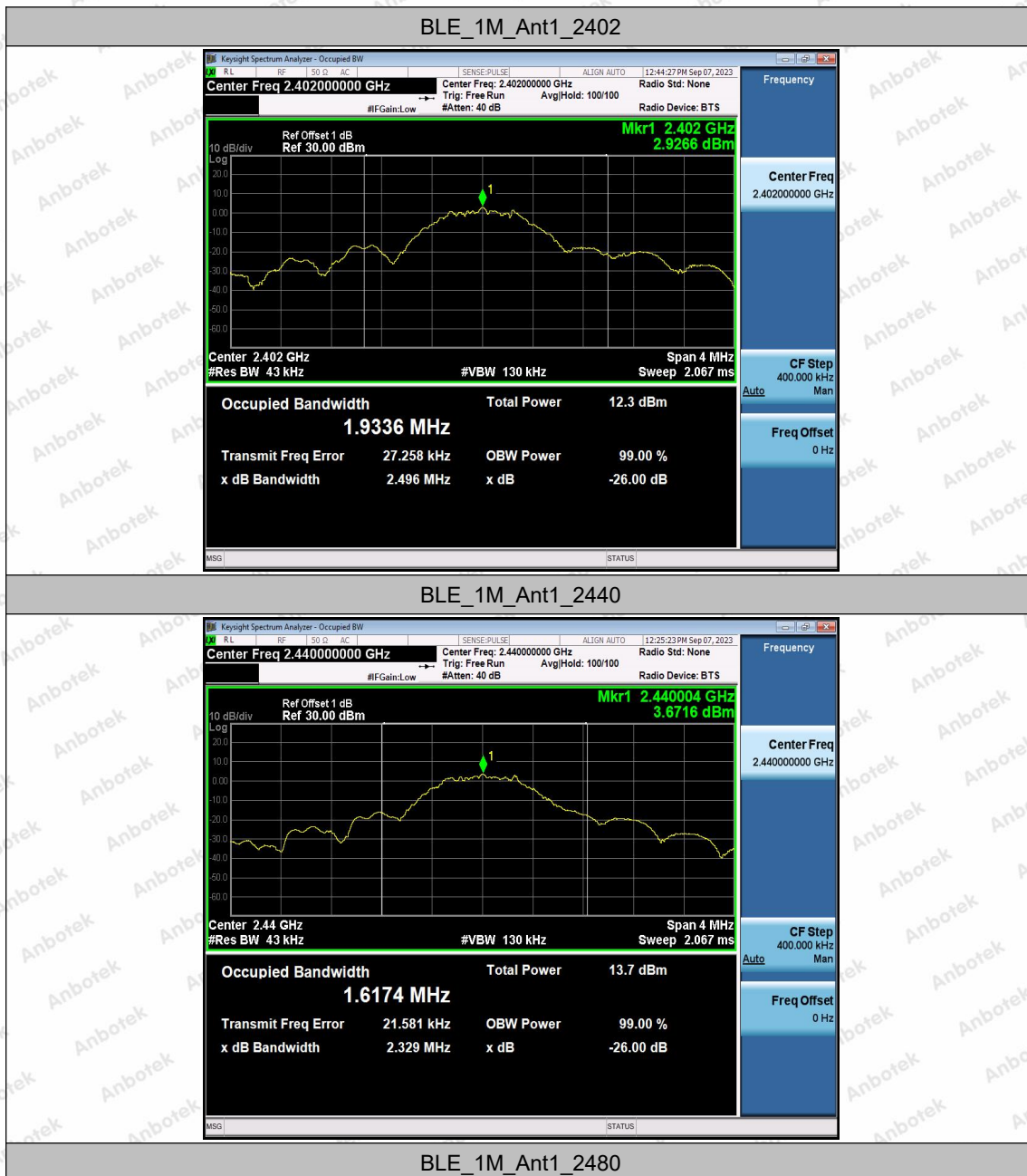
## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   |
|----------|---------|----------------|-----------|-----------|-----------|
| BLE_1M   | Ant1    | 2402           | 1.9336    | 2401.0605 | 2402.9941 |
|          |         | 2440           | 1.6174    | 2439.2129 | 2440.8303 |
|          |         | 2480           | 1.2255    | 2479.4075 | 2480.6330 |



## Test Graphs



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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           | 4.49                      | ≤30                  | PASS    |
|          |         | 2440           | 5.16                      | ≤30                  | PASS    |
|          |         | 2480           | 5.76                      | ≤30                  | PASS    |

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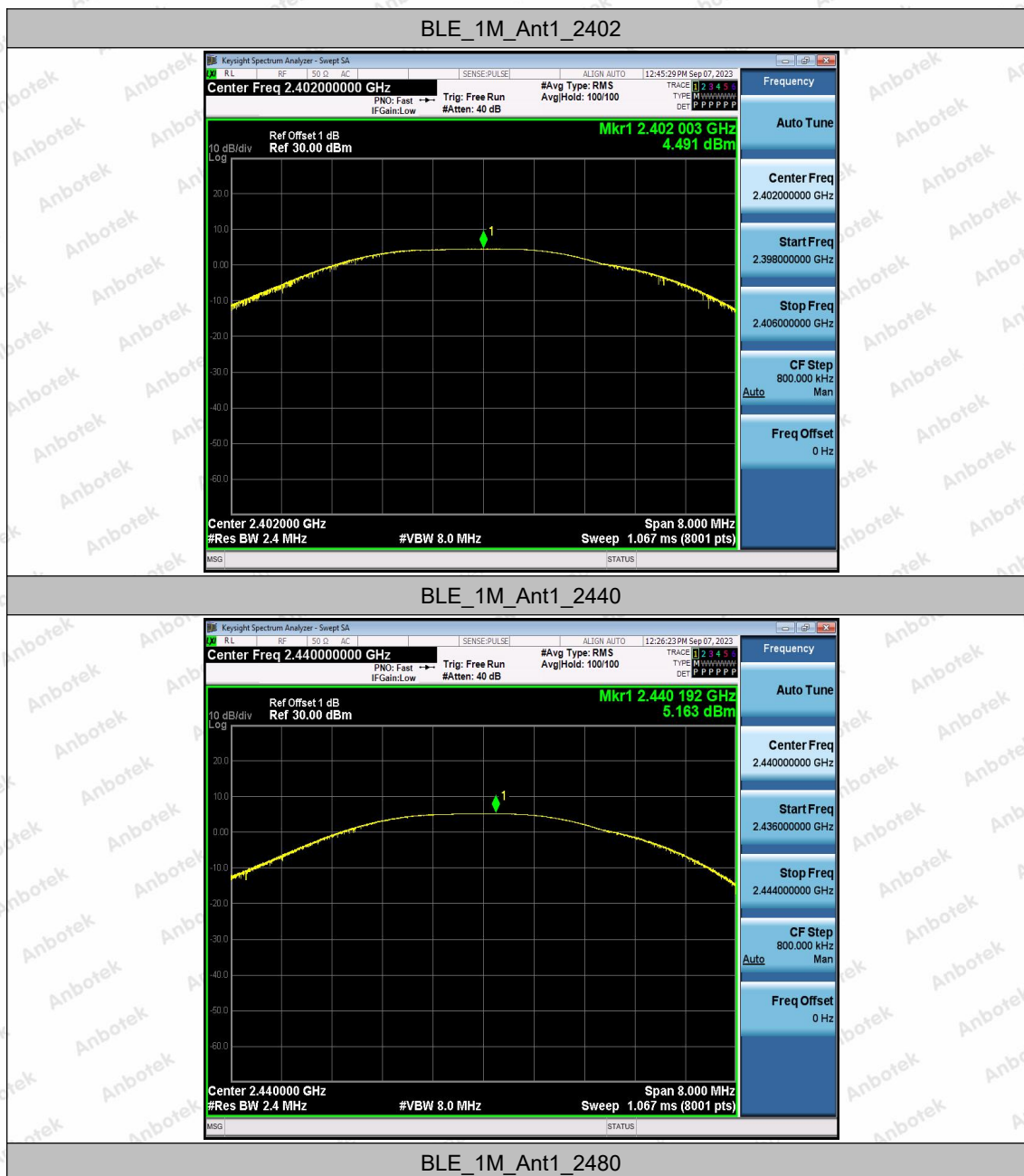
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## Test Graphs Peak



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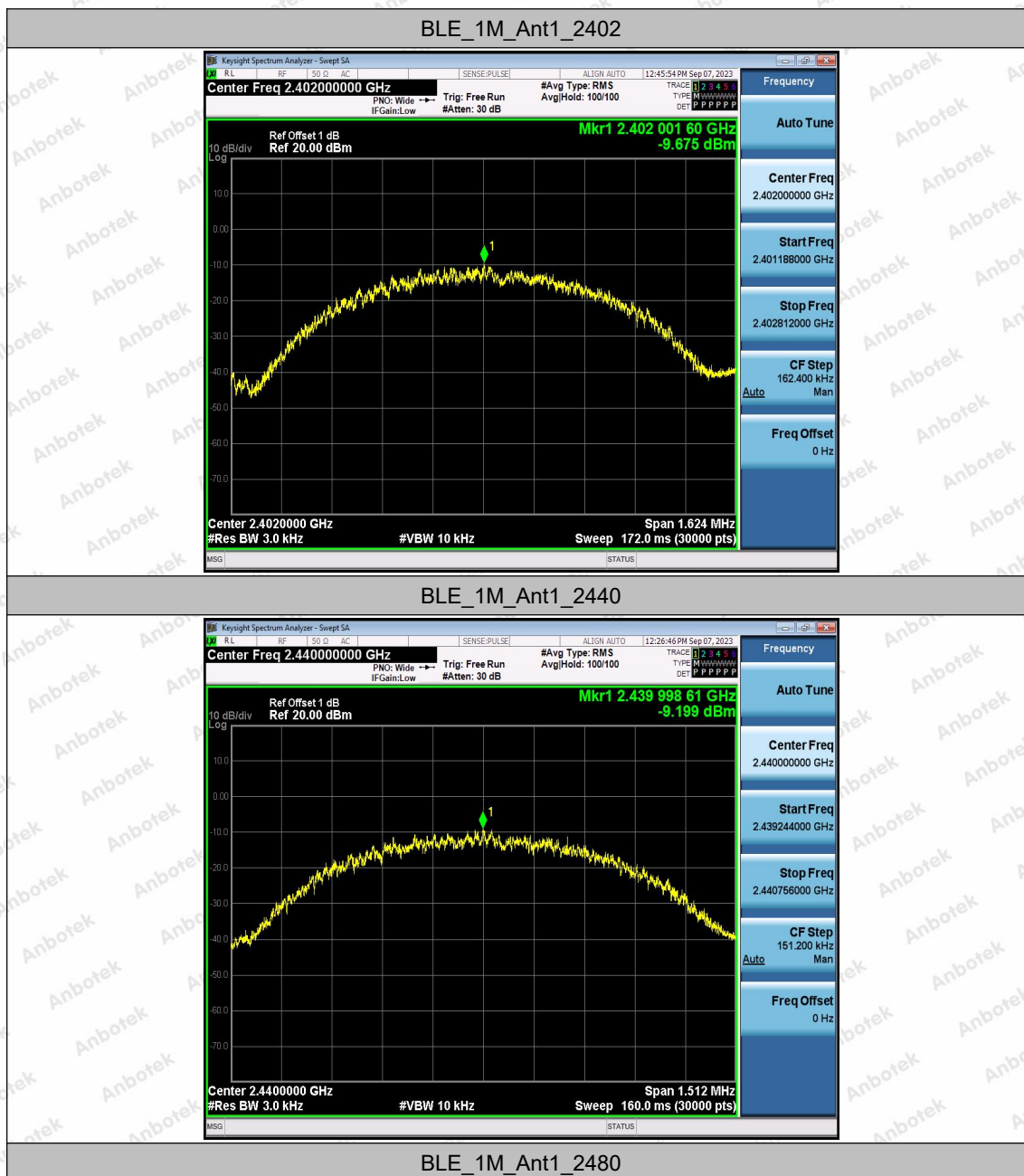
## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -9.68            | ≤8.00           | PASS    |
|          |         | 2440           | -9.20            | ≤8.00           | PASS    |
|          |         | 2480           | -8.62            | ≤8.00           | PASS    |



## Test Graphs



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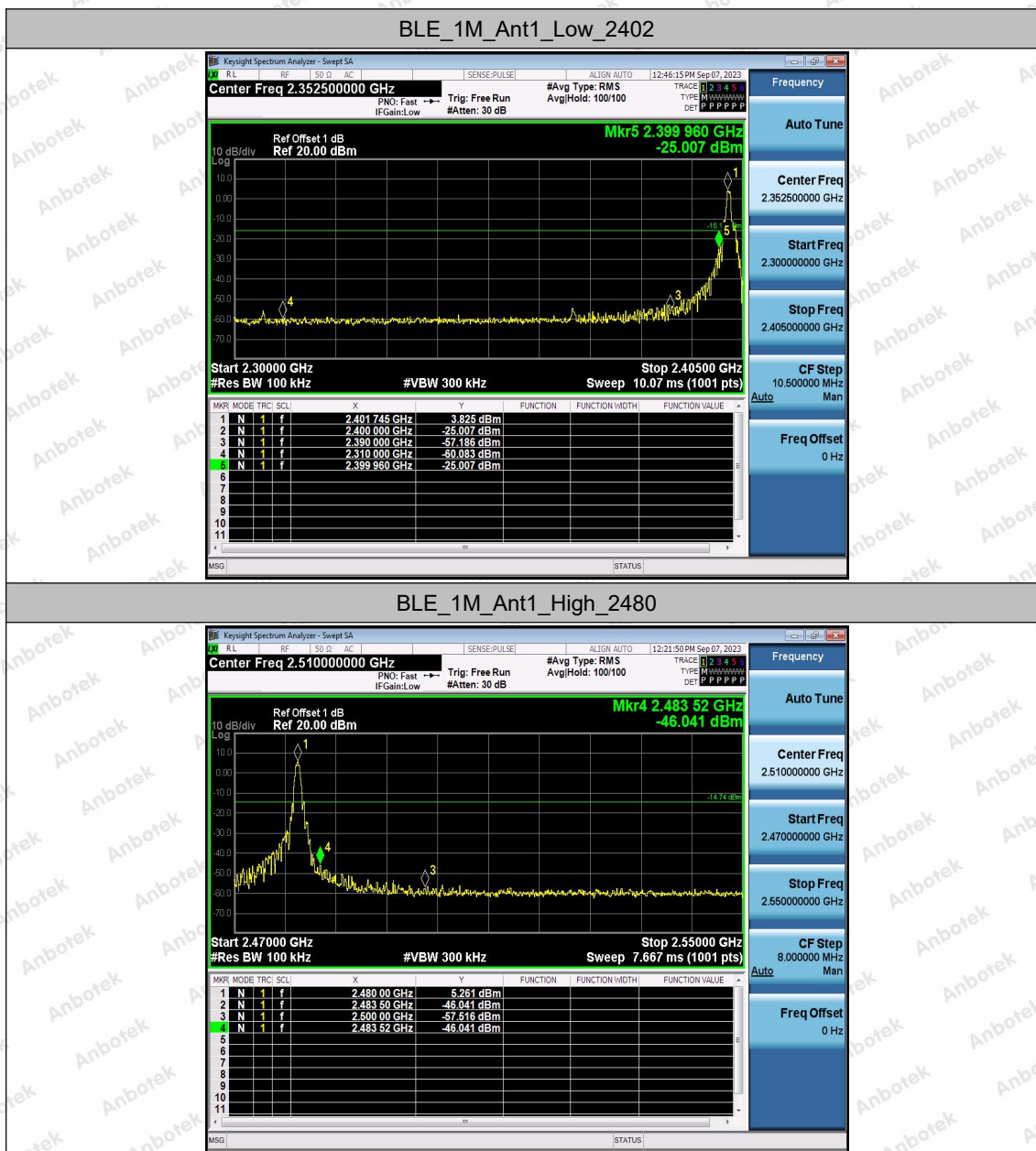
## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | Channel | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|----------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low     | 2402           | 3.83          | -25.01      | ≤-16.18    | PASS    |
|          |         | High    | 2480           | 5.26          | -46.04      | ≤-14.74    | PASS    |



## Test Graphs



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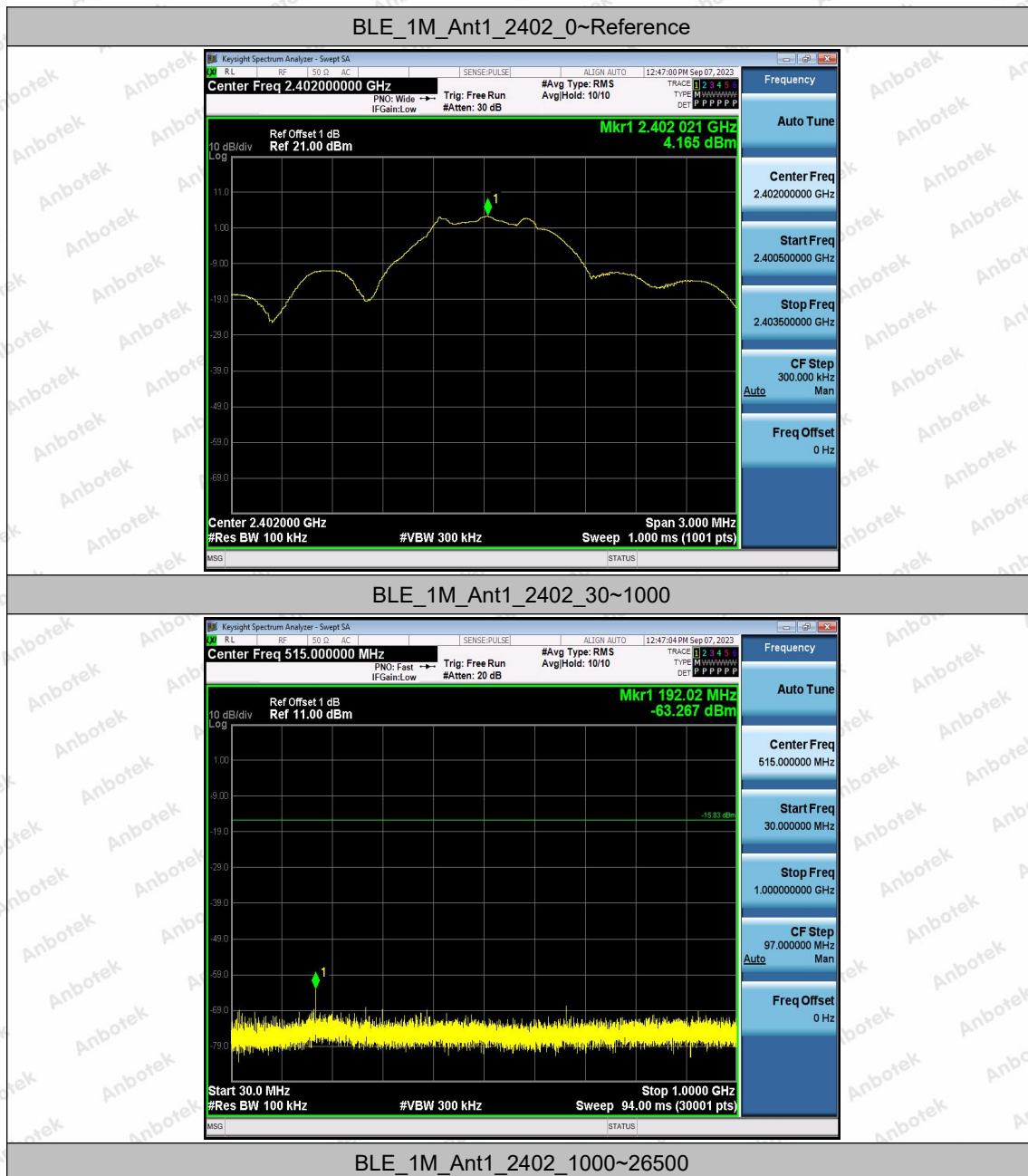
## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402           | Reference       | 4.17           | 4.17        | ---        | PASS    |
|          |         |                | 30~1000         | 4.17           | -63.27      | ≤-15.83    | PASS    |
|          |         |                | 1000~26500      | 4.17           | -22.19      | ≤-15.83    | PASS    |
|          |         | 2440           | Reference       | 4.84           | 4.84        | ---        | PASS    |
|          |         |                | 30~1000         | 4.84           | -66.91      | ≤-15.16    | PASS    |
|          |         |                | 1000~26500      | 4.84           | -21.86      | ≤-15.16    | PASS    |
|          |         | 2480           | Reference       | 5.53           | 5.53        | ---        | PASS    |
|          |         |                | 30~1000         | 5.53           | -66.21      | ≤-14.47    | PASS    |
|          |         |                | 1000~26500      | 5.53           | -22.35      | ≤-14.47    | PASS    |



## Test Graphs



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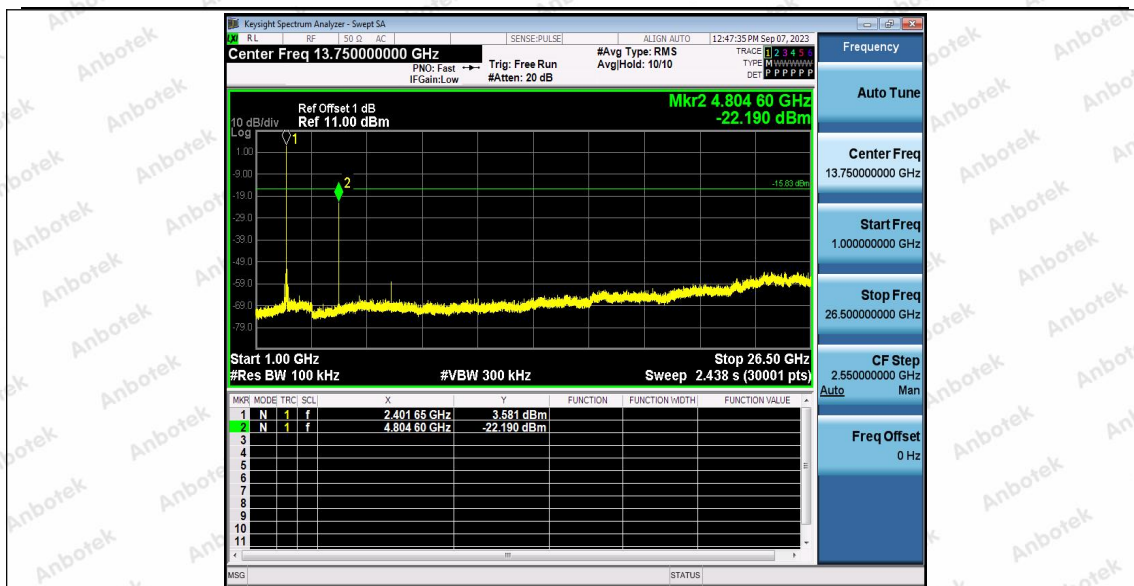


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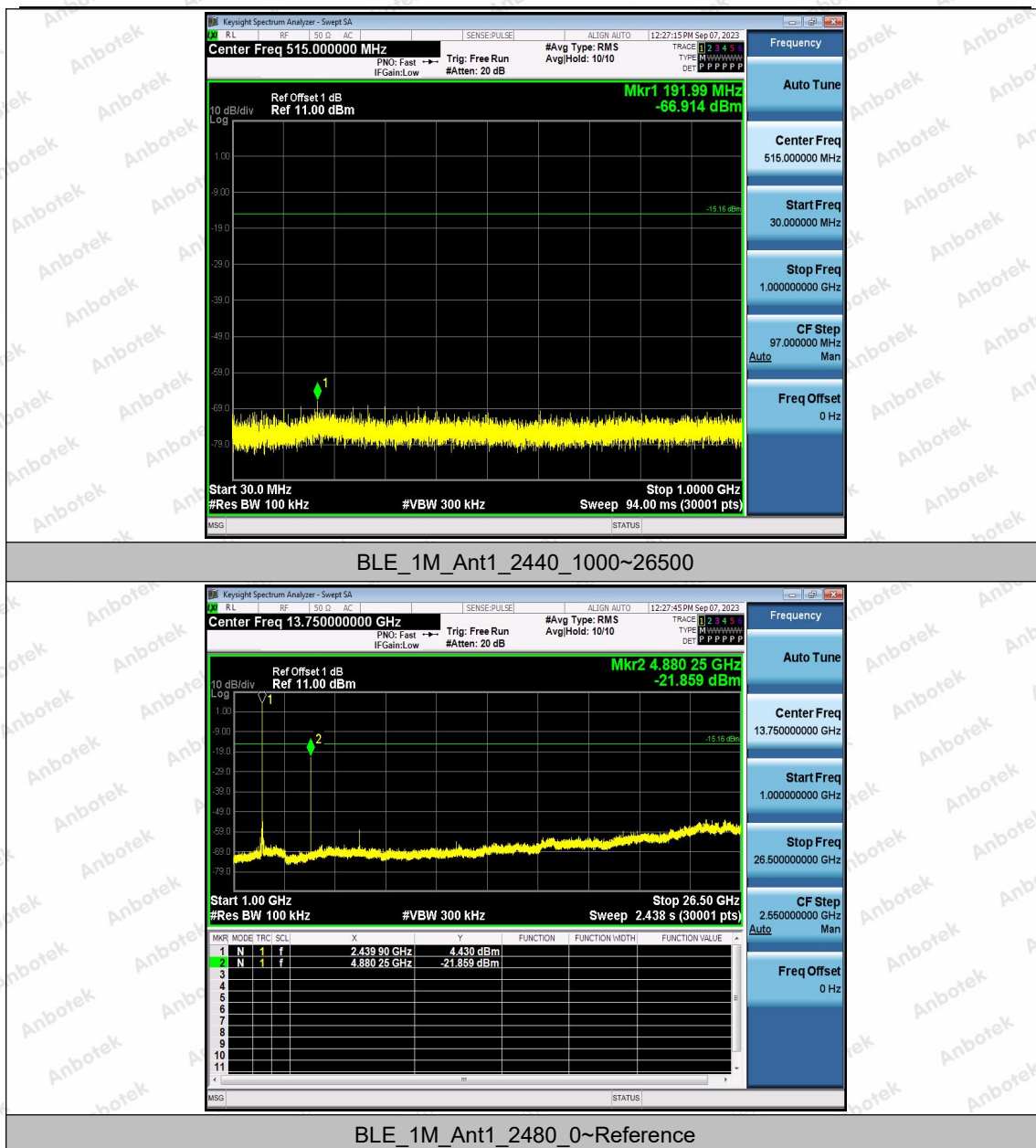


BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



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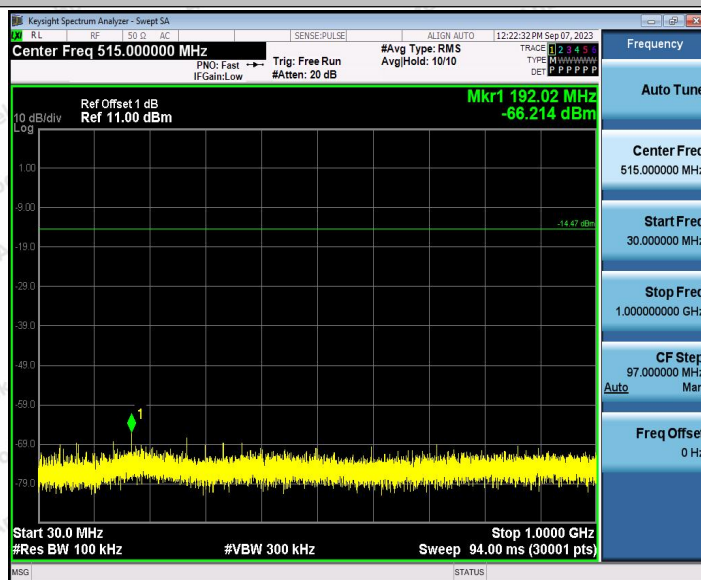


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BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_Ant1\_2480\_1000~26500

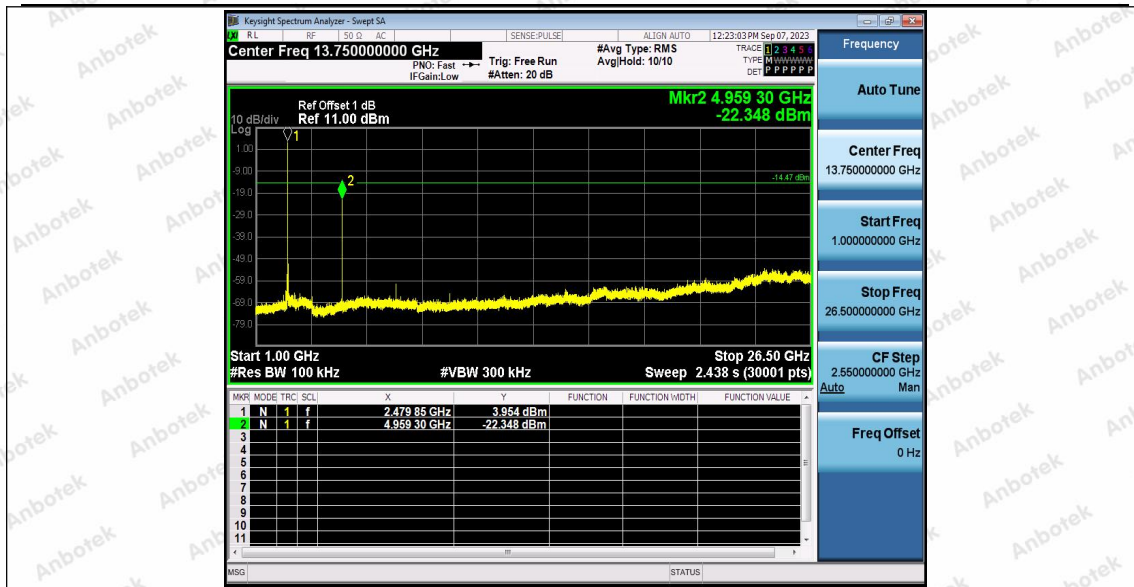
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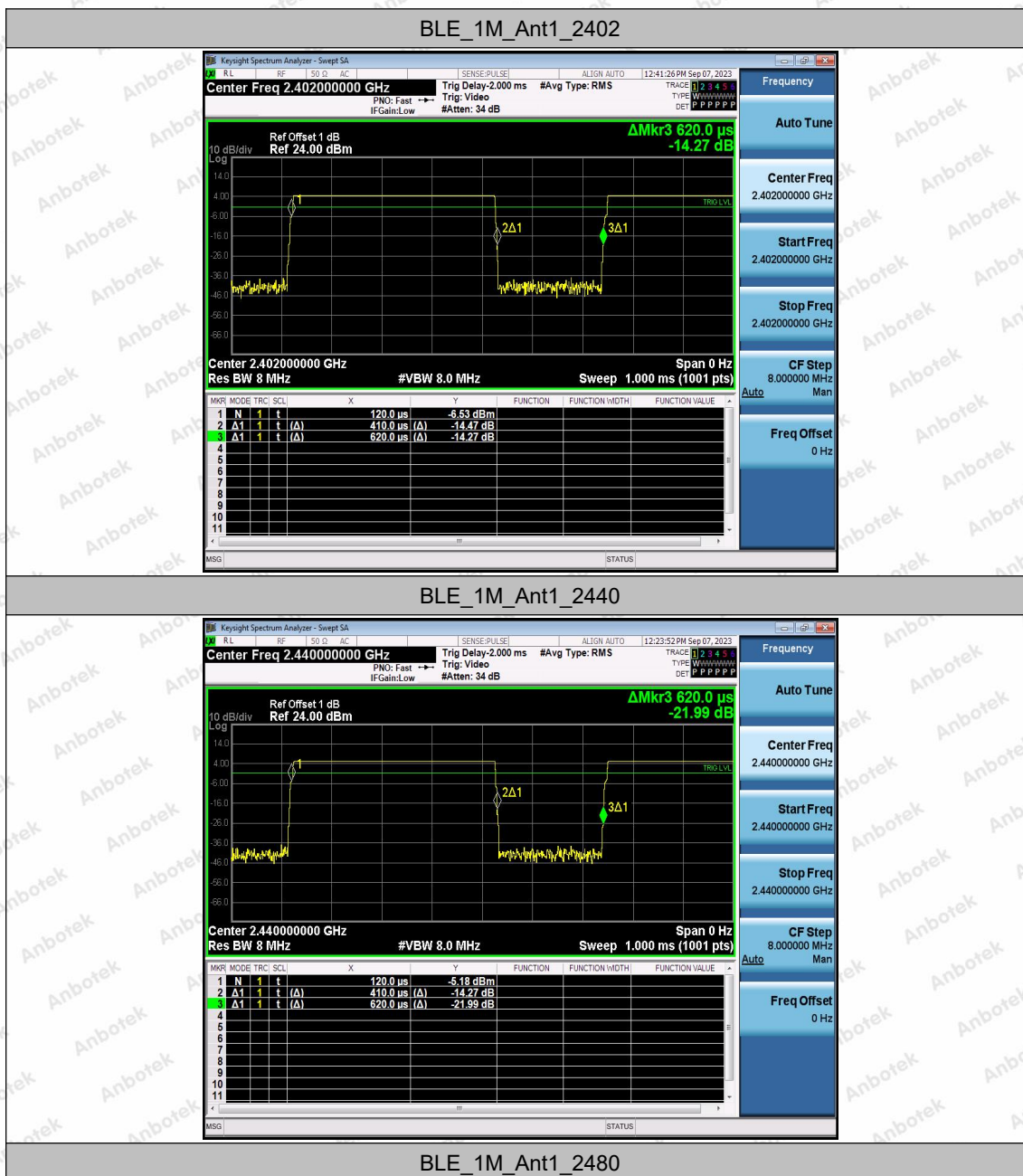
## Appendix G: Duty Cycle

### 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           | 0.41            | 0.62           | 66.13             | 1.80                     |
|          |         | 2440           | 0.41            | 0.62           | 66.13             | 1.80                     |
|          |         | 2480           | 0.41            | 0.62           | 66.13             | 1.80                     |



## Test Graphs





---End---

