

## Appendix Test Data

|                  |                 |                    |             |
|------------------|-----------------|--------------------|-------------|
| Report No.:      | 18220WC40026001 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2024.2.27       | Finish Test Date:  | 2024.2.27   |
| Test Engineer:   | Joker Huang     | Auditor:           | Justin Feng |
| Temperature:     | 25.3℃           | Relative Humidity: | 48%         |
| Pressure:        | 101kPa          |                    |             |

## Appendix A: DTS Bandwidth

## Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.684        | 2401.640 | 2402.324 | 0.5        | PASS    |
|          |         | 2440           | 0.724        | 2439.624 | 2440.348 | 0.5        | PASS    |
|          |         | 2480           | 0.672        | 2479.656 | 2480.328 | 0.5        | PASS    |



## Test Graphs

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



BLE\_1M\_Ant1\_2480

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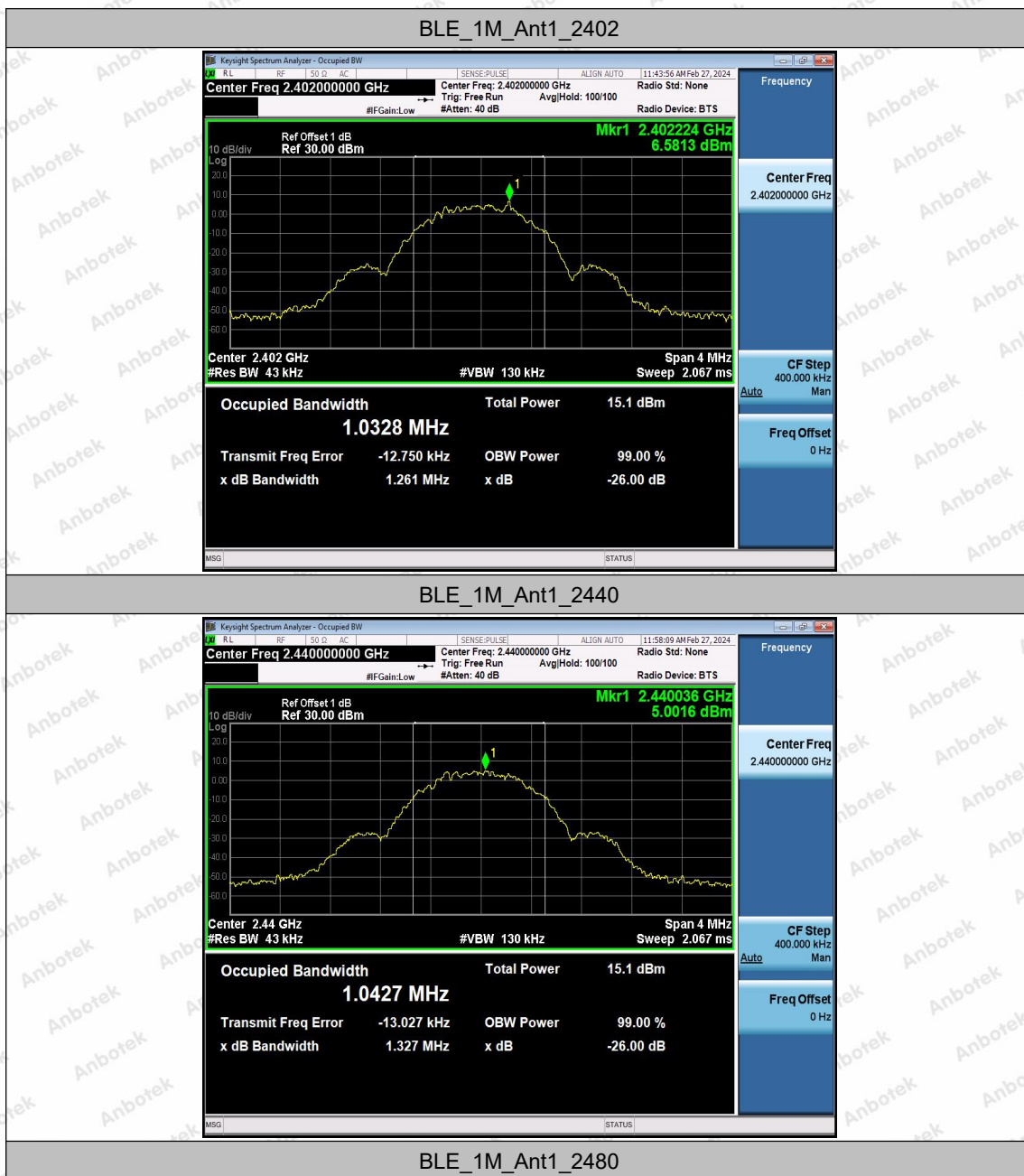
## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   |
|----------|---------|----------------|-----------|-----------|-----------|
| BLE_1M   | Ant1    | 2402           | 1.0328    | 2401.4709 | 2402.5037 |
|          |         | 2440           | 1.0427    | 2439.4656 | 2440.5083 |
|          |         | 2480           | 1.0254    | 2479.4691 | 2480.4945 |



## Test Graphs



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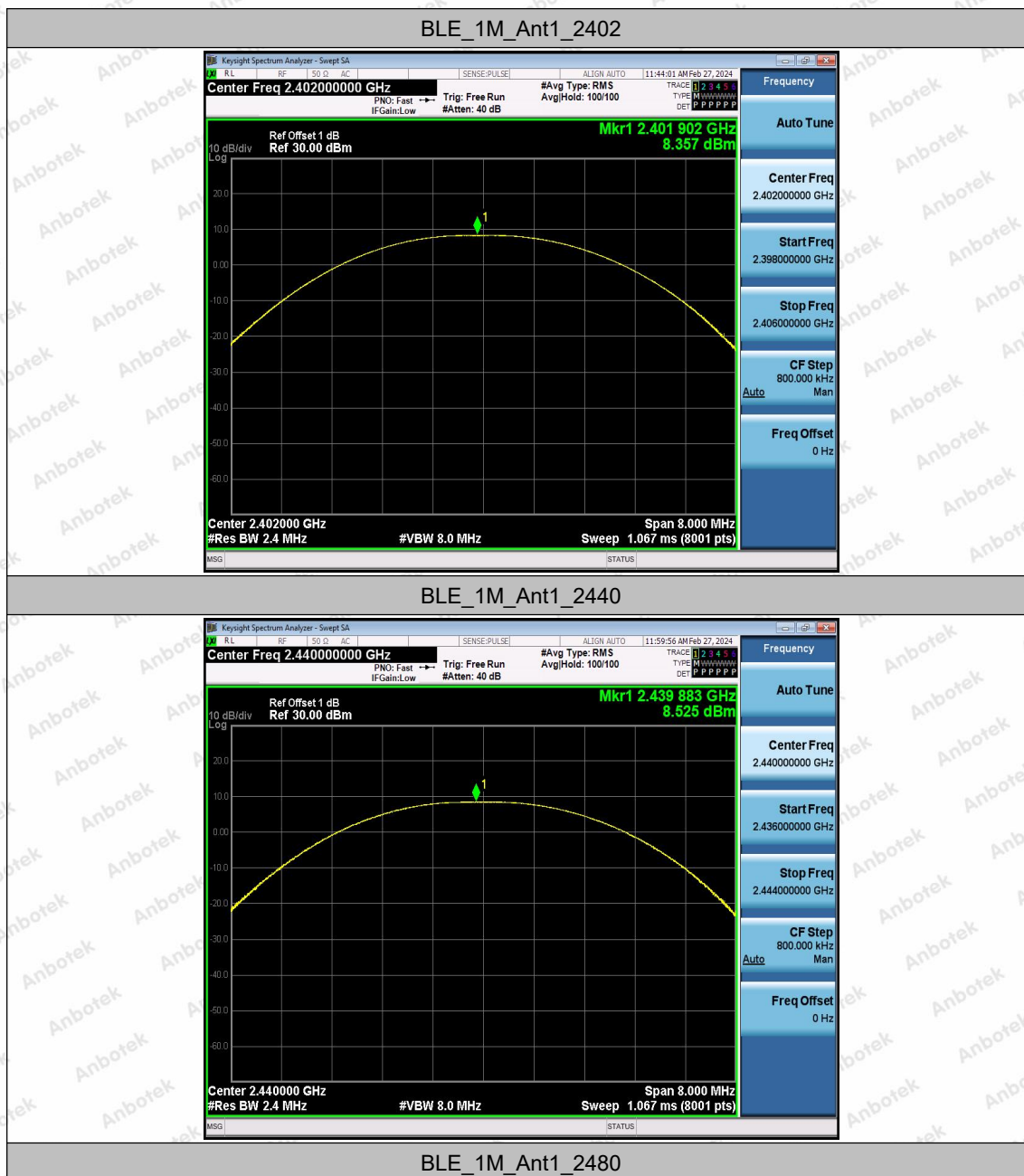
## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------|----------------------|---------|
| BLE_1M   | Ant1    | 2402           | 8.36                      | ≤30                  | PASS    |
|          |         | 2440           | <b>8.53</b>               | ≤30                  | PASS    |
|          |         | 2480           | 7.85                      | ≤30                  | PASS    |



## Test Graphs Peak



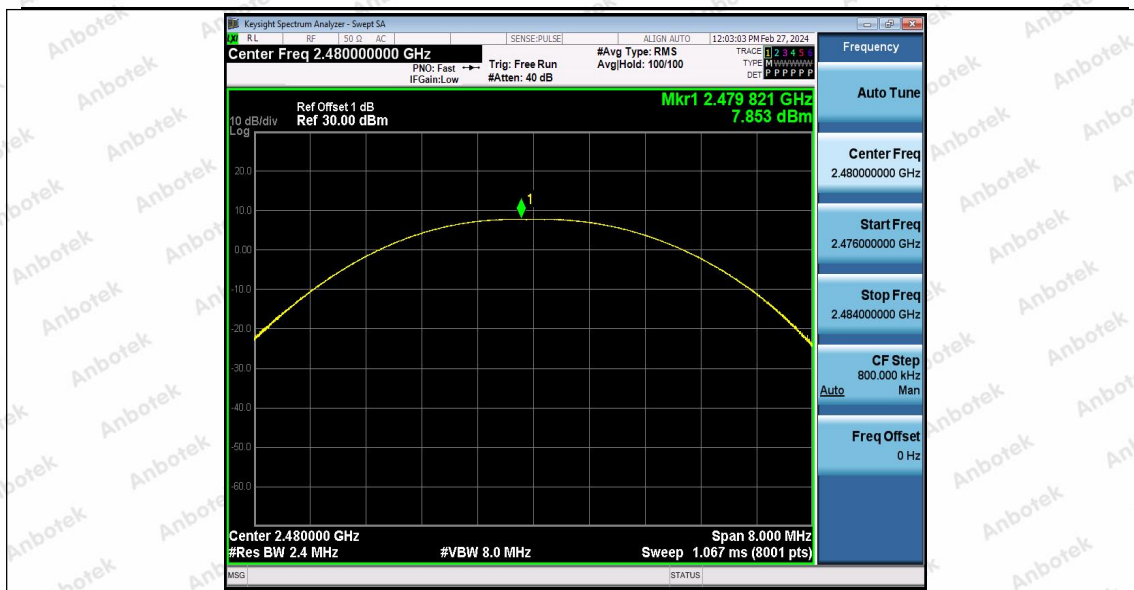
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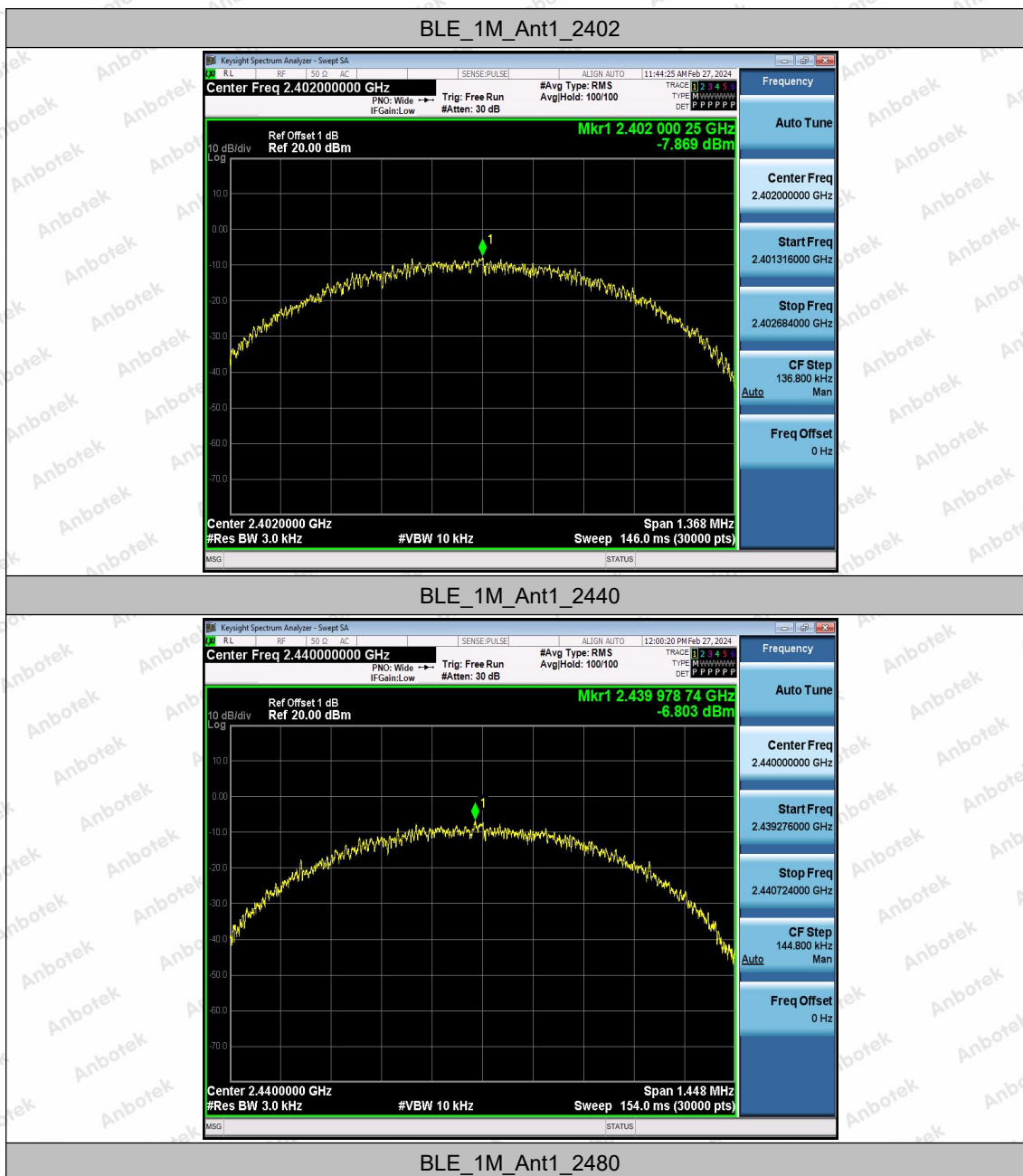
## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -7.87            | ≤8.00           | PASS    |
|          |         | 2440           | -6.80            | ≤8.00           | PASS    |
|          |         | 2480           | -7.82            | ≤8.00           | PASS    |



## Test Graphs



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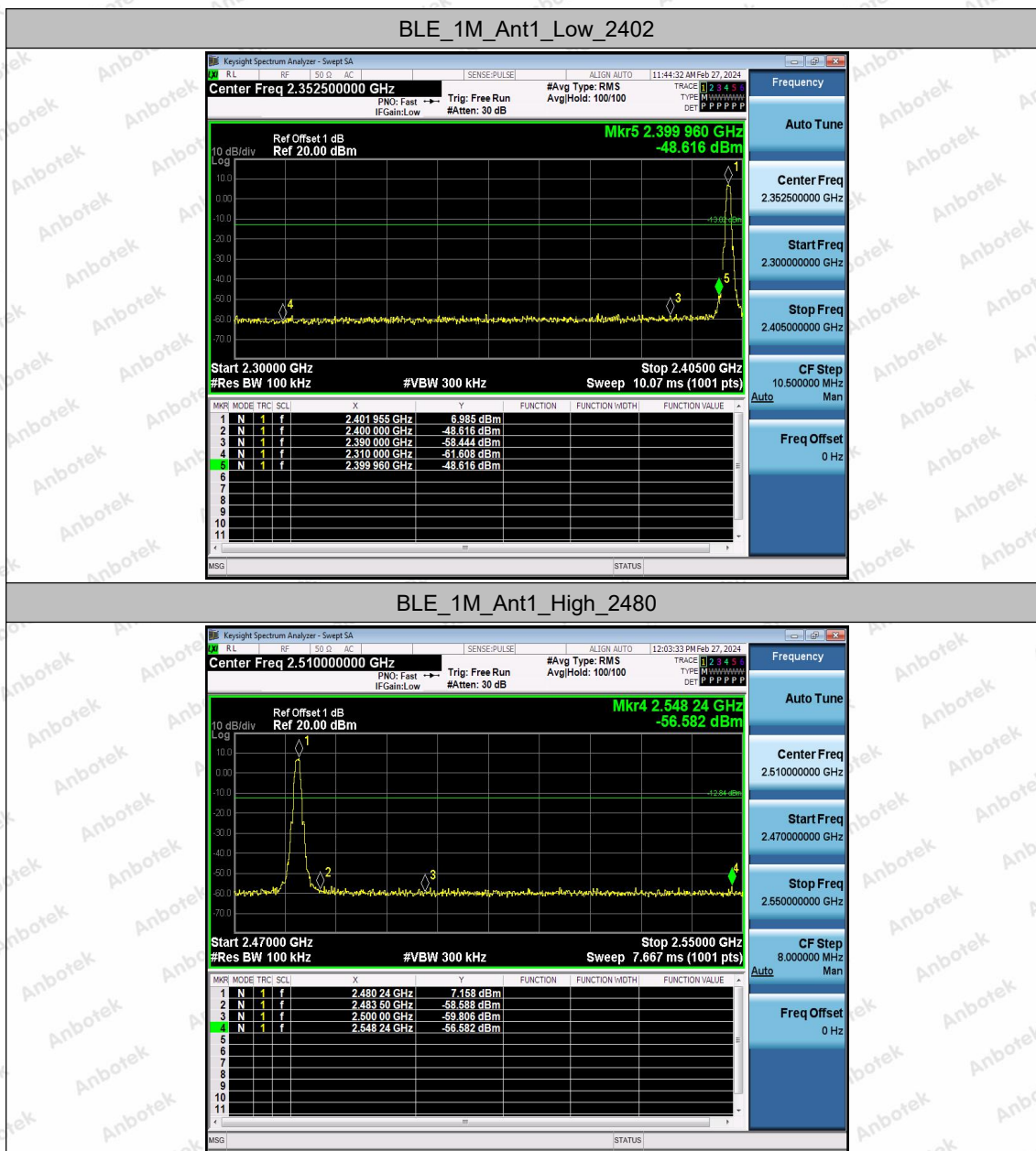
## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Frequency<br>[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|--------------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402               | 6.99          | -48.62      | ≤-13.02    | PASS    |
|          |         | High   | 2480               | 7.16          | -56.58      | ≤-12.84    | PASS    |



## Test Graphs



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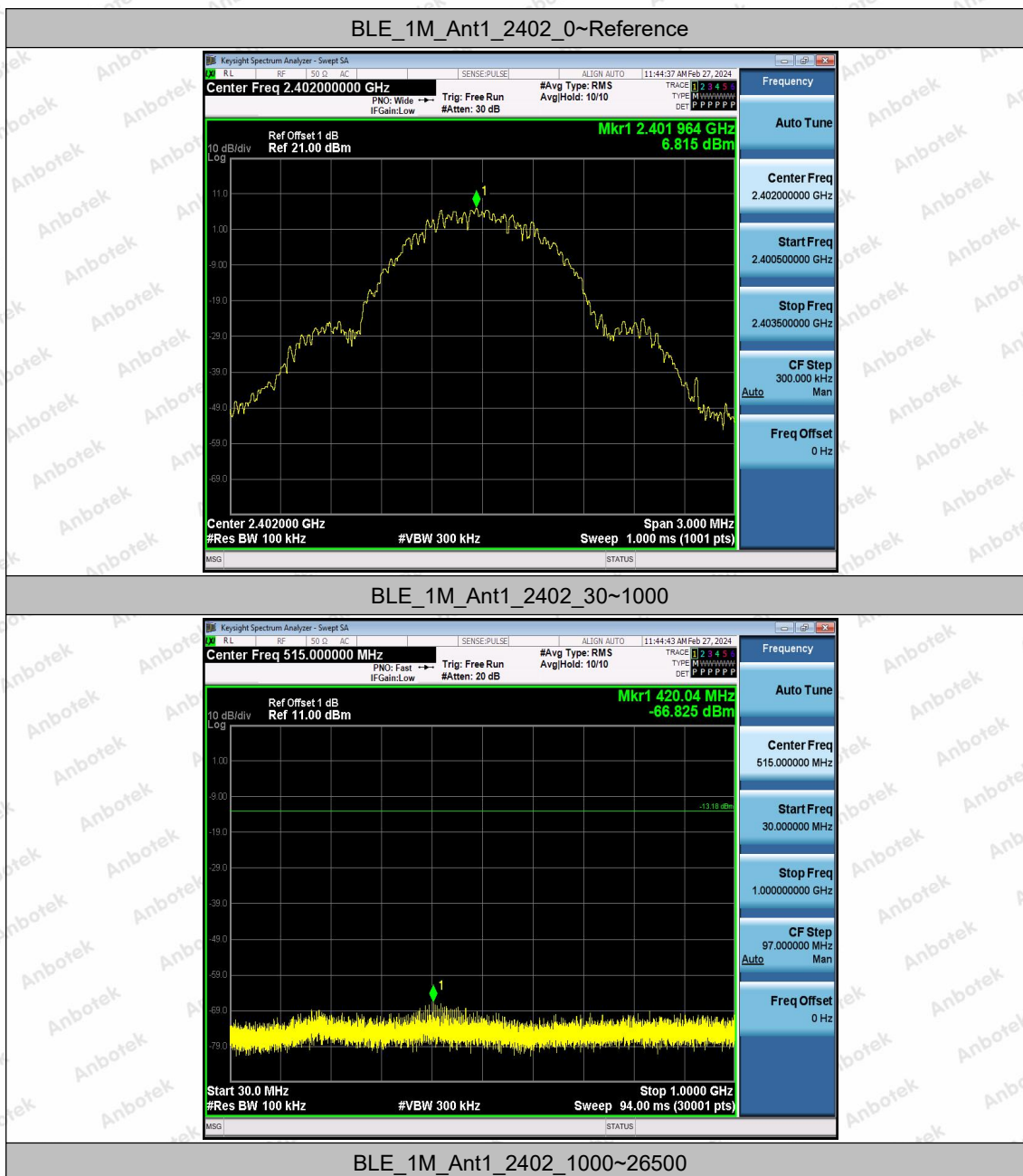
## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency<br>[MHz] | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------------------|--------------------|-------------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402               | Reference          | 6.82              | 6.82        | ---        | PASS    |
|          |         |                    | 30~1000            | 6.82              | -66.83      | ≤-13.18    | PASS    |
|          |         |                    | 1000~26500         | 6.82              | -42.76      | ≤-13.18    | PASS    |
|          |         | 2440               | Reference          | 7.15              | 7.15        | ---        | PASS    |
|          |         |                    | 30~1000            | 7.15              | -66.37      | ≤-12.85    | PASS    |
|          |         |                    | 1000~26500         | 7.15              | -40.94      | ≤-12.85    | PASS    |
|          |         | 2480               | Reference          | 5.96              | 5.96        | ---        | PASS    |
|          |         |                    | 30~1000            | 5.96              | -67.02      | ≤-14.04    | PASS    |
|          |         |                    | 1000~26500         | 5.96              | -51.3       | ≤-14.04    | PASS    |



## Test Graphs



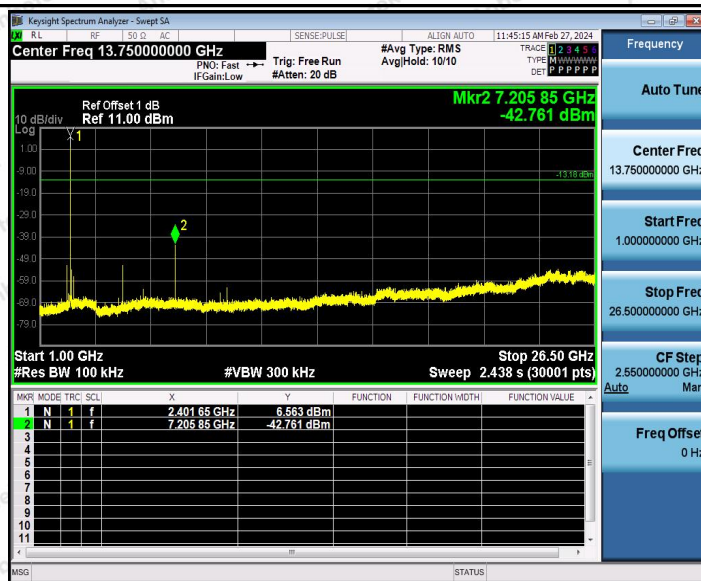
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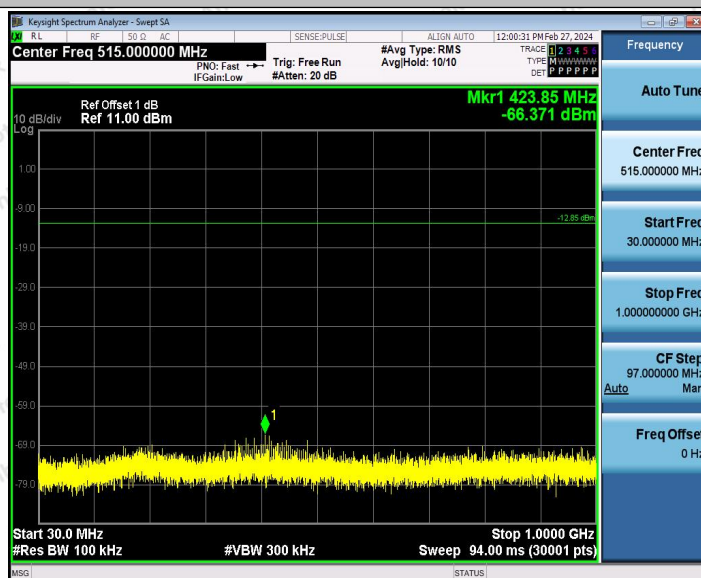




BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



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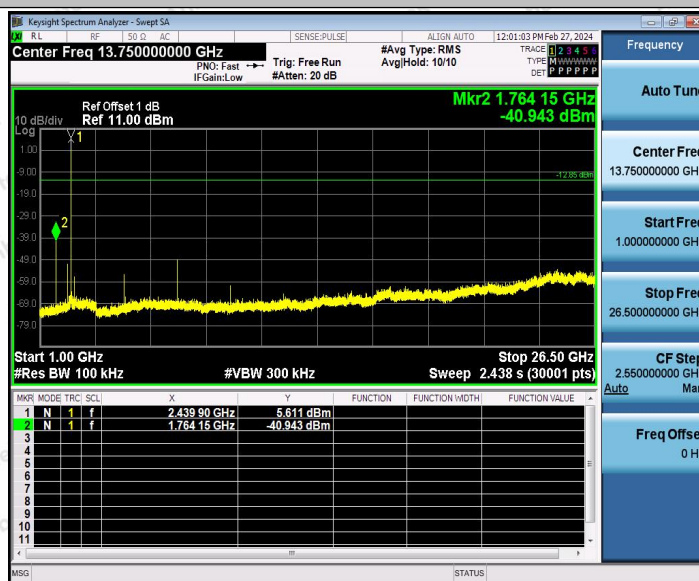
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## BLE\_1M\_Ant1\_2440\_1000~26500



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



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

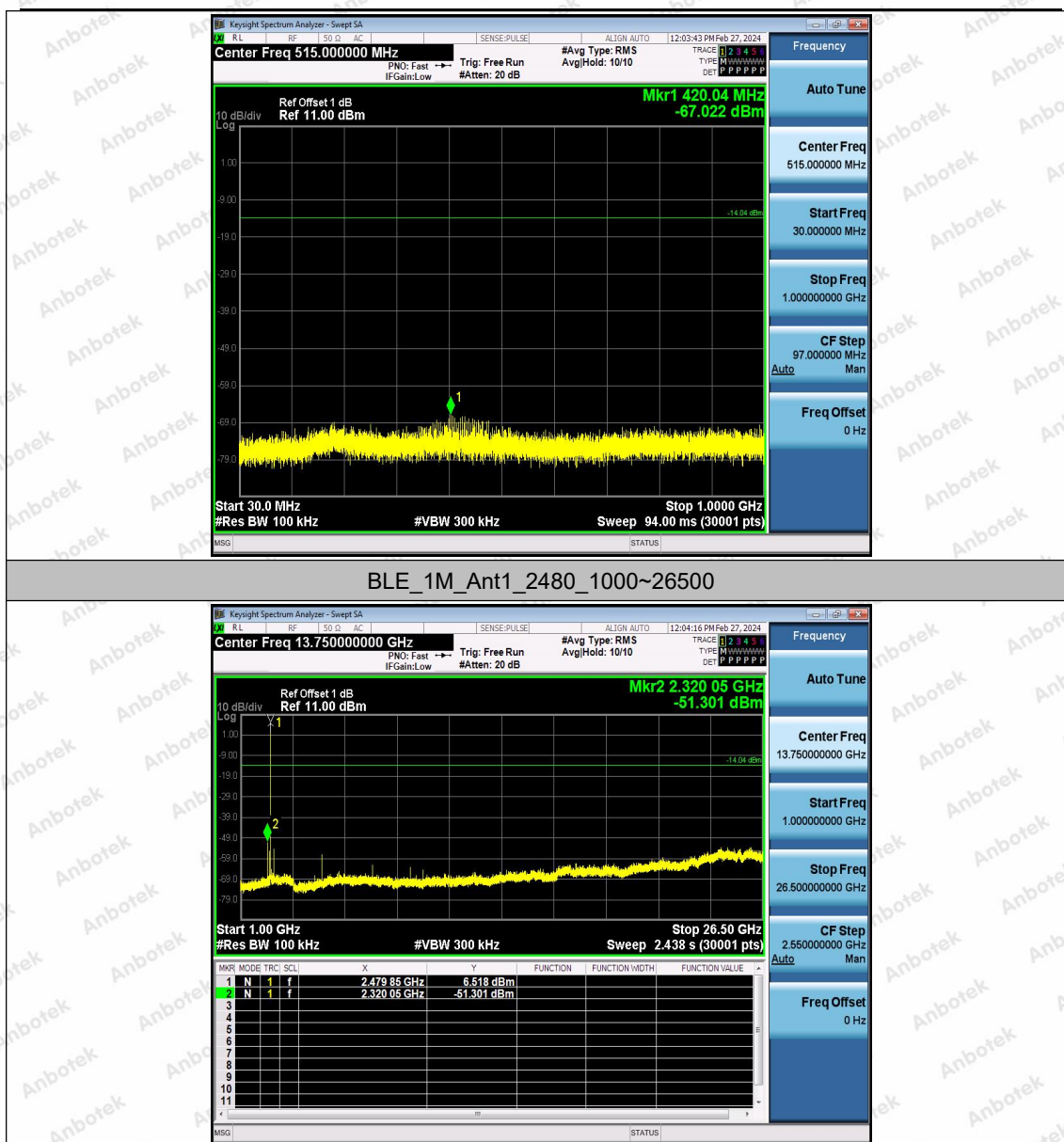
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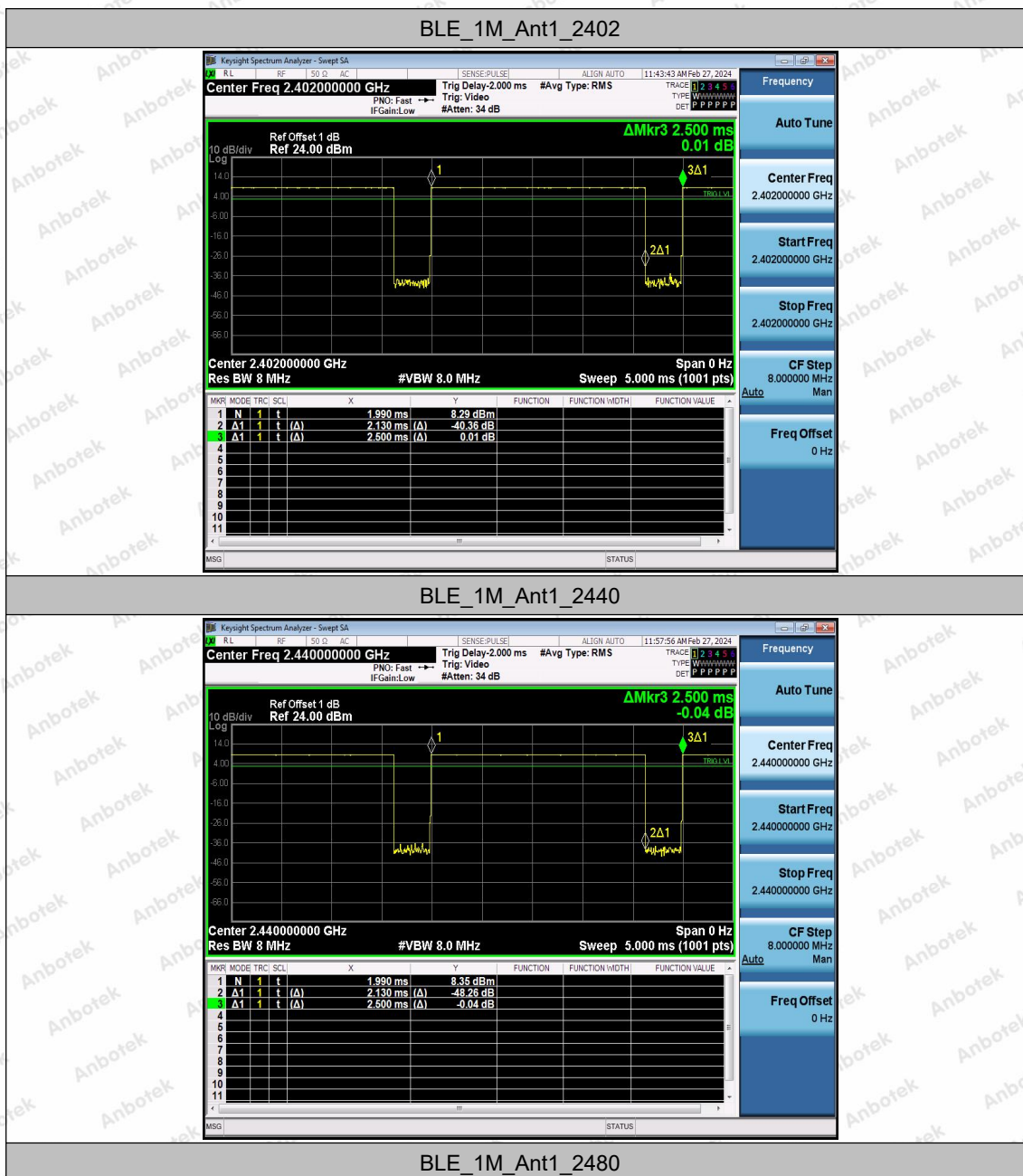
## Appendix G: Duty Cycle

### Test Result

| TestMode | Antenna | 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                     |
|          |         | 2440           | 2.13            | 2.50           | 85.20             | 0.70                     |
|          |         | 2480           | 2.13            | 2.50           | 85.20             | 0.70                     |



## Test Graphs



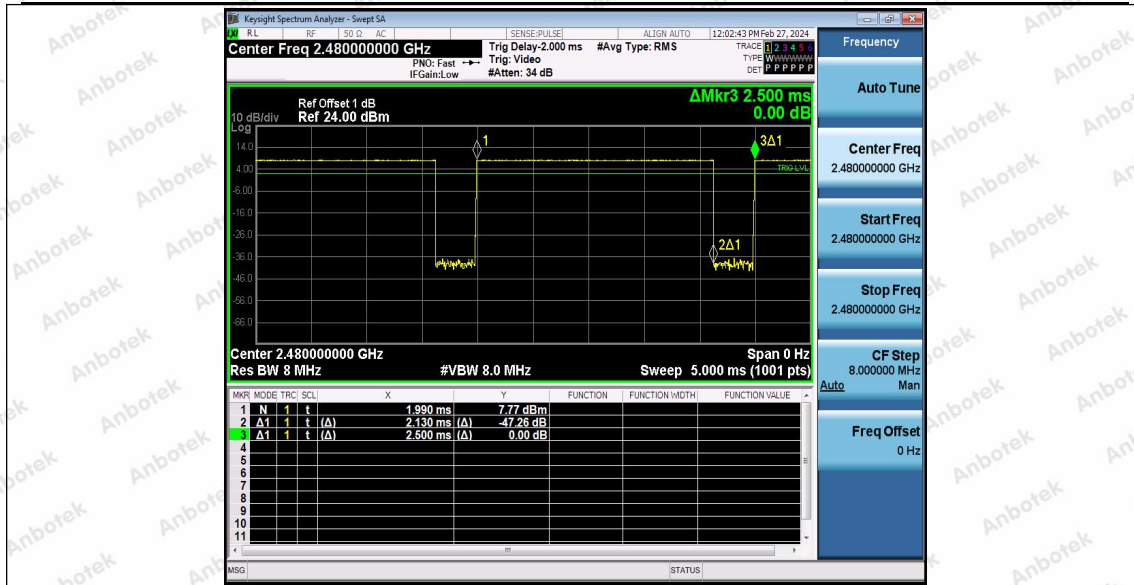
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