

## Appendix Test Data

|                  |                     |                    |                    |
|------------------|---------------------|--------------------|--------------------|
| Report No.:      | 1812C60548312501-01 | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2026-9-22           | Finish Test Date:  | 2026-9-23          |
| Test Engineer:   | <i>Alex Peng</i>    | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 25°C                | Relative Humidity: | 60%                |
| Pressure:        | 100.7kPa            |                    |                    |



## Appendix A: 6dB Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | 6dB BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE_1M    | Ant1    | 2402           | 0.740        | 2401.604 | 2402.344 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2440           | 0.724        | 2439.620 | 2440.344 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2480           | 0.732        | 2479.612 | 2480.344 | 0.5        | PASS    |

## Test Graphs



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BLE\_1M-Ant1-2480-PASS

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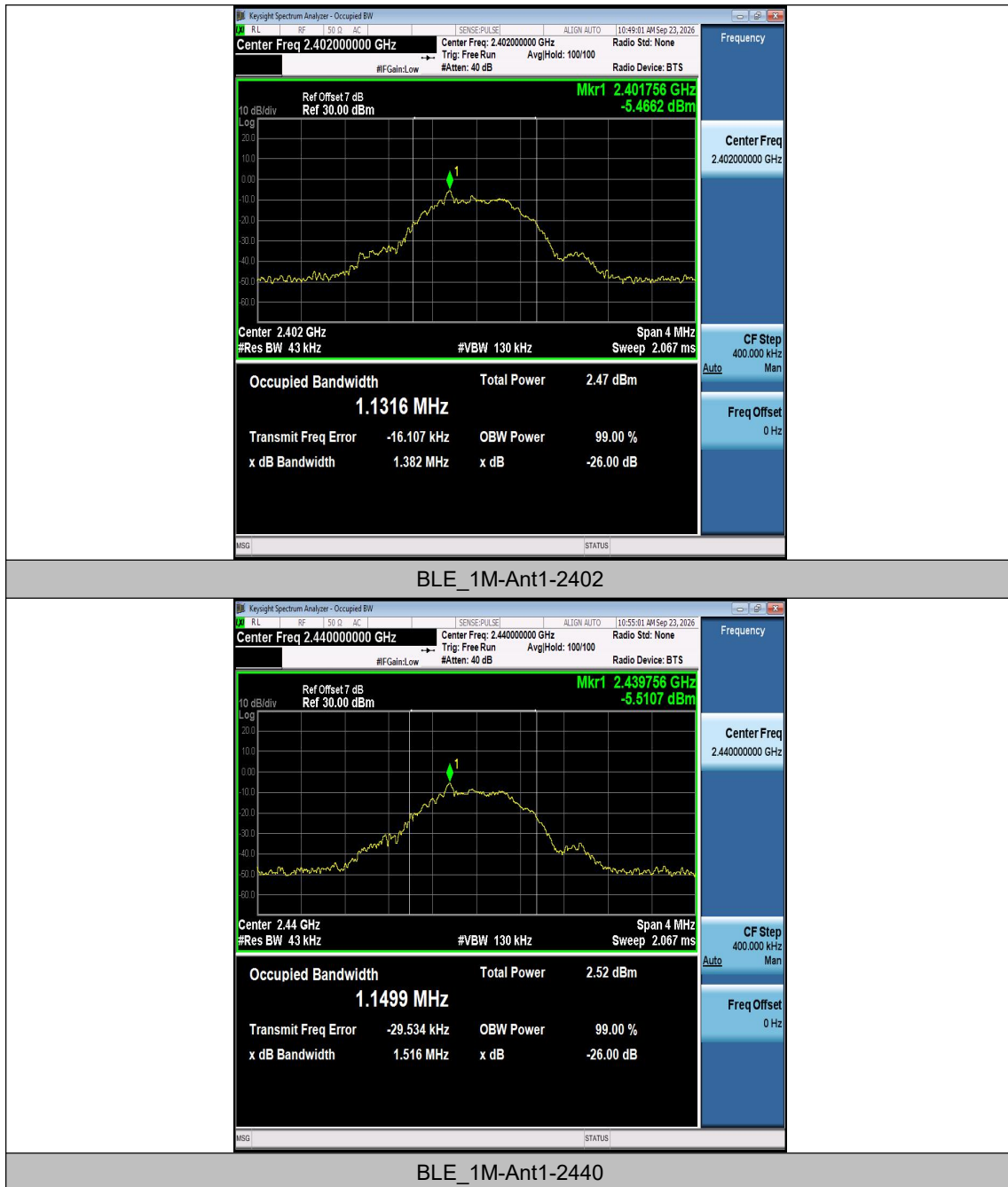
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## Appendix B: 99% Occupied Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| BLE_1M    | Ant1    | 2402           | 1.1316    | 2401.4181 | 2402.5497 | ---        | ---     |
| BLE_1M    | Ant1    | 2440           | 1.1499    | 2439.3955 | 2440.5454 | ---        | ---     |
| BLE_1M    | Ant1    | 2480           | 1.1541    | 2479.3839 | 2480.5380 | ---        | ---     |

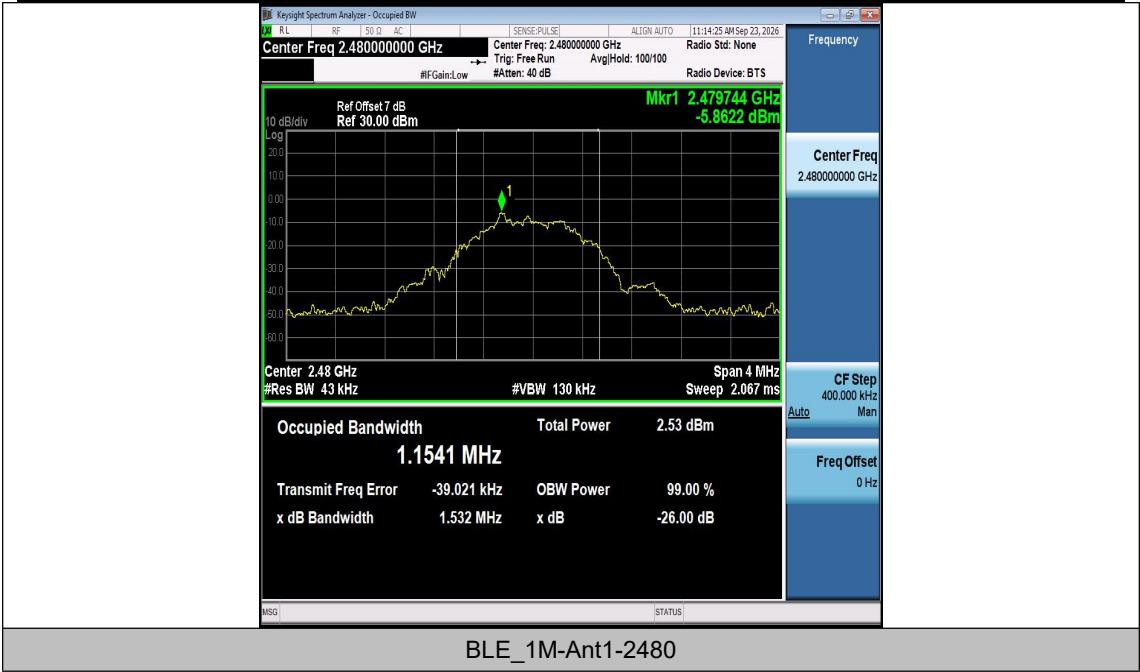
## Test Graphs



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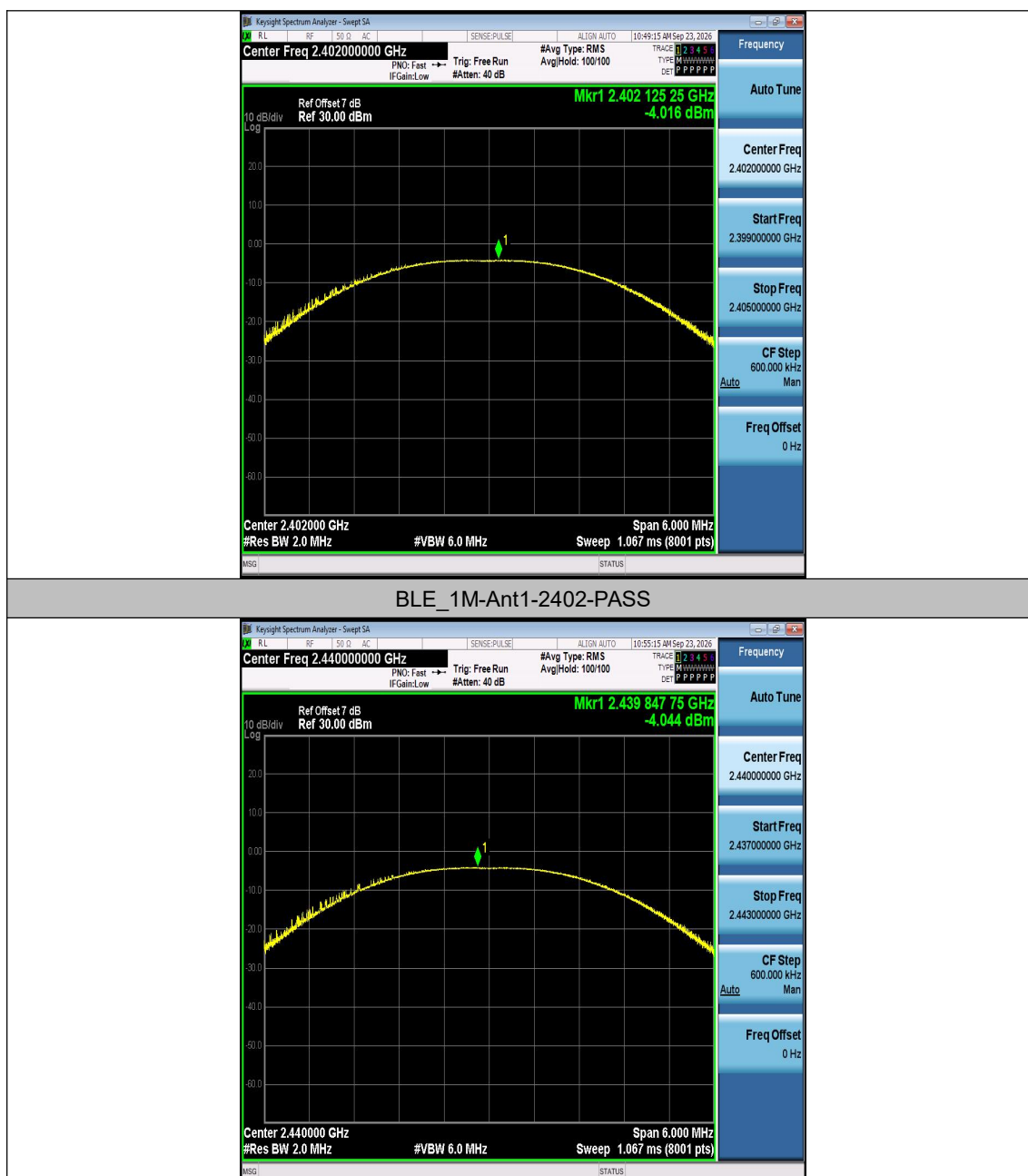
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## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency [MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|-----------------|---------------------------|----------------------|---------|
| BLE_1M    | Ant1    | 2402            | -4.02                     | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2440            | -4.04                     | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2480            | -3.98                     | ≤30                  | PASS    |

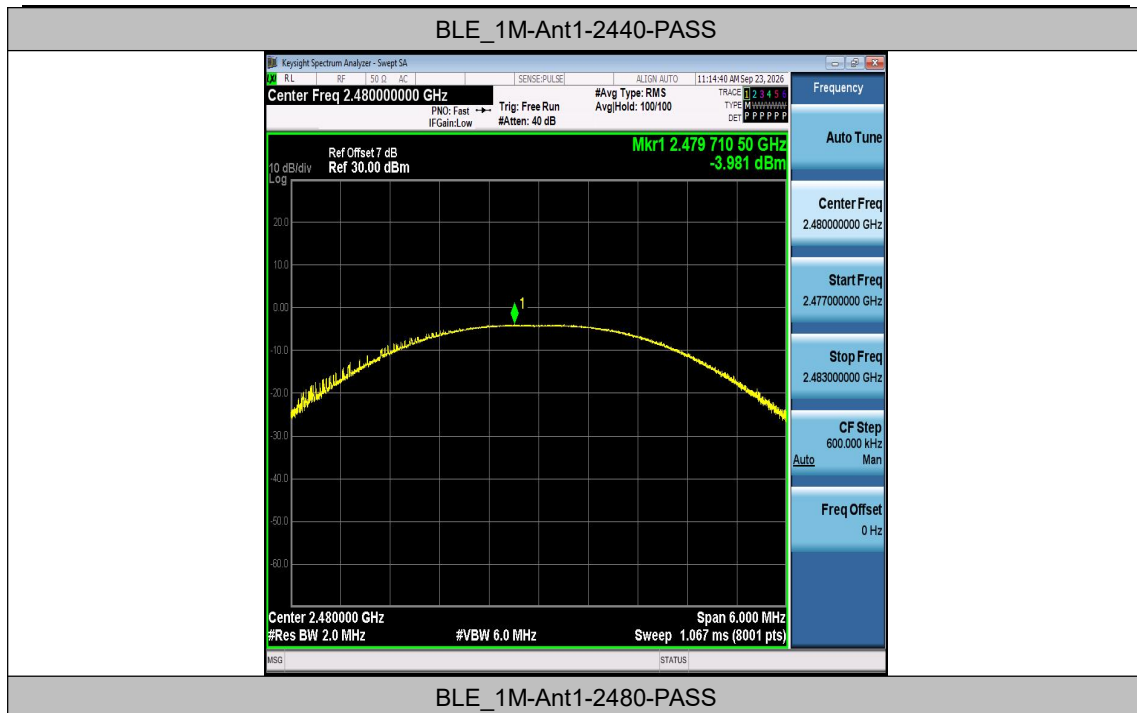
### Test Graphs Peak



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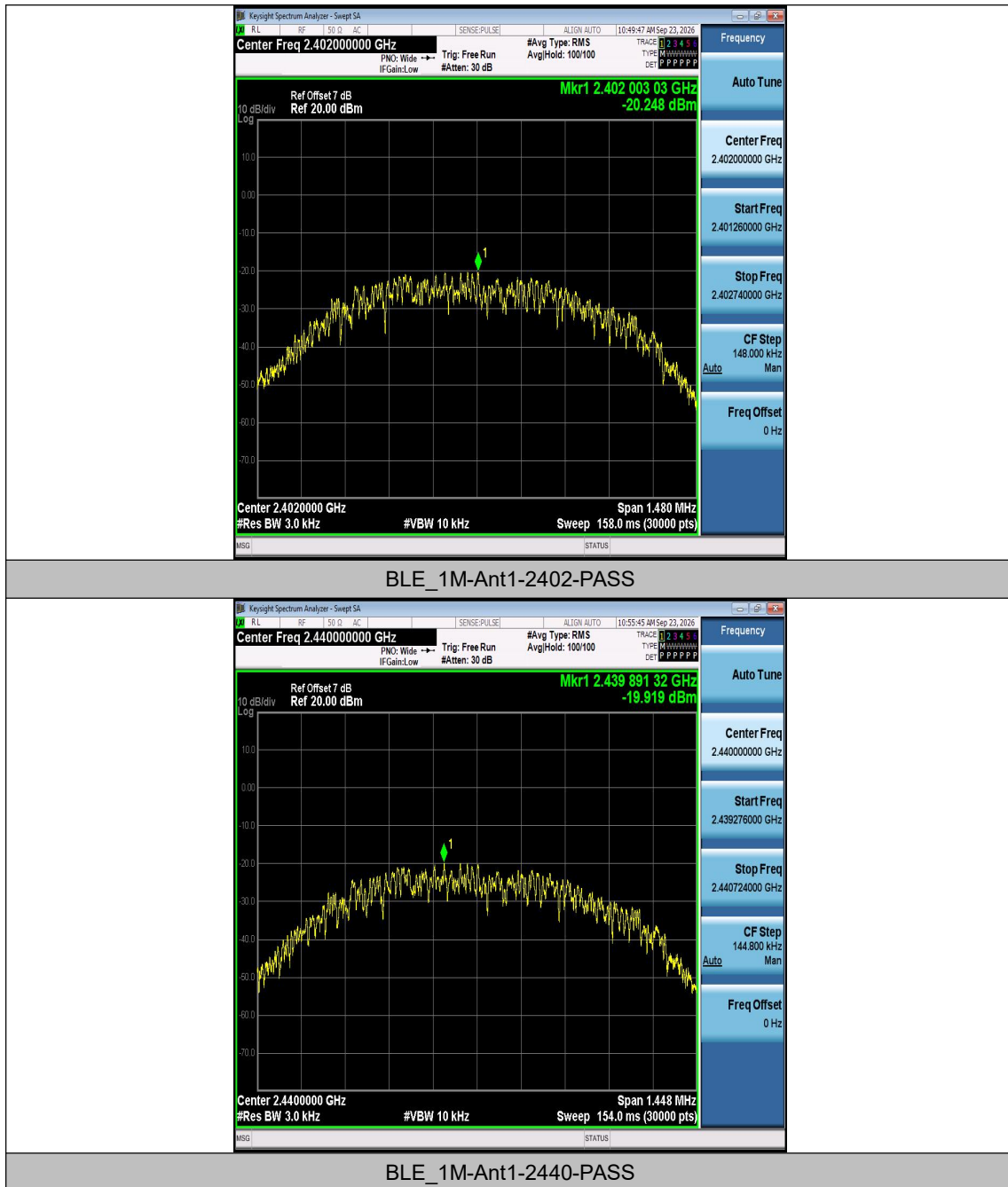
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## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -20.25           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -19.92           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -19.67           | ≤8.00           | PASS    |

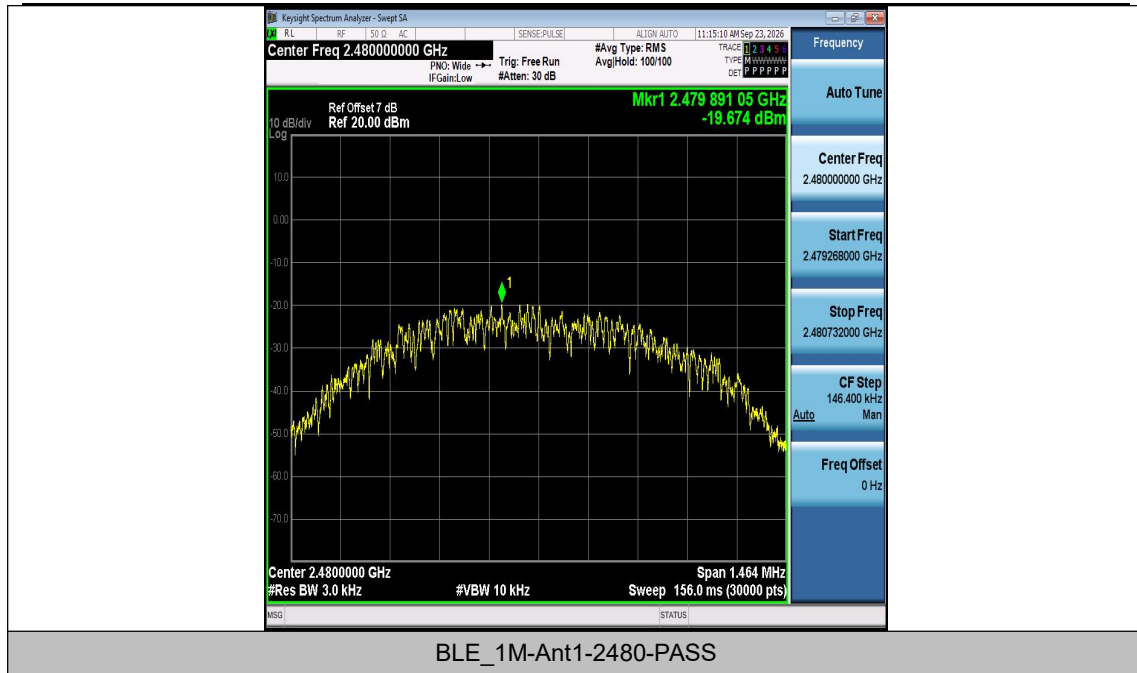
## Test Graphs



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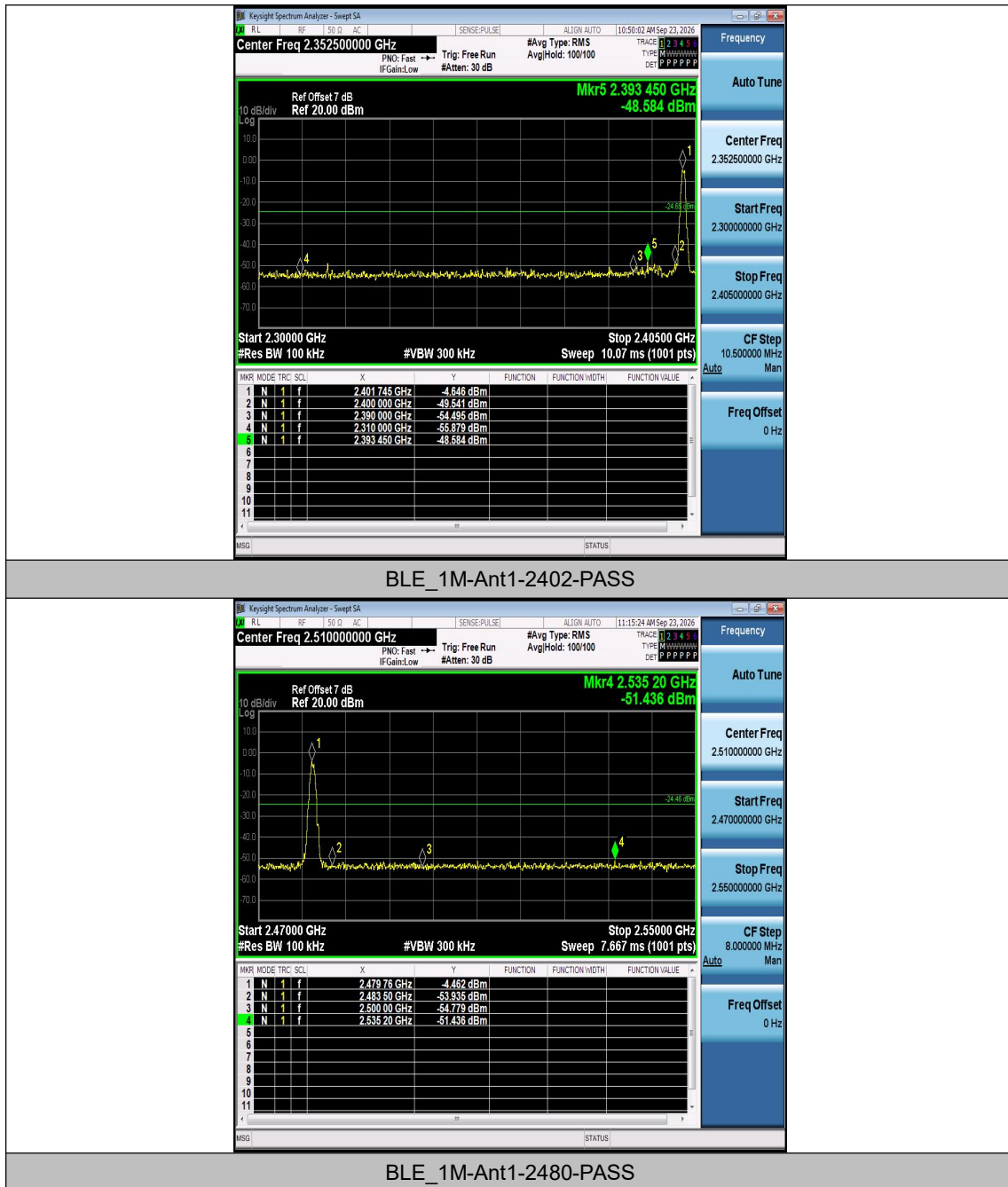
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## Appendix E: Band edge measurements

### Test Result

| Test Mode | Antenna | ChName | Frequency [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------|-----------------|----------------|--------------|-------------|---------|
| BLE_1M    | Ant1    | Low    | 2402            | -4.65          | -48.58       | ≤-24.65     | PASS    |
| BLE_1M    | Ant1    | High   | 2480            | -4.46          | -51.44       | ≤-24.46     | PASS    |

## Test Graphs



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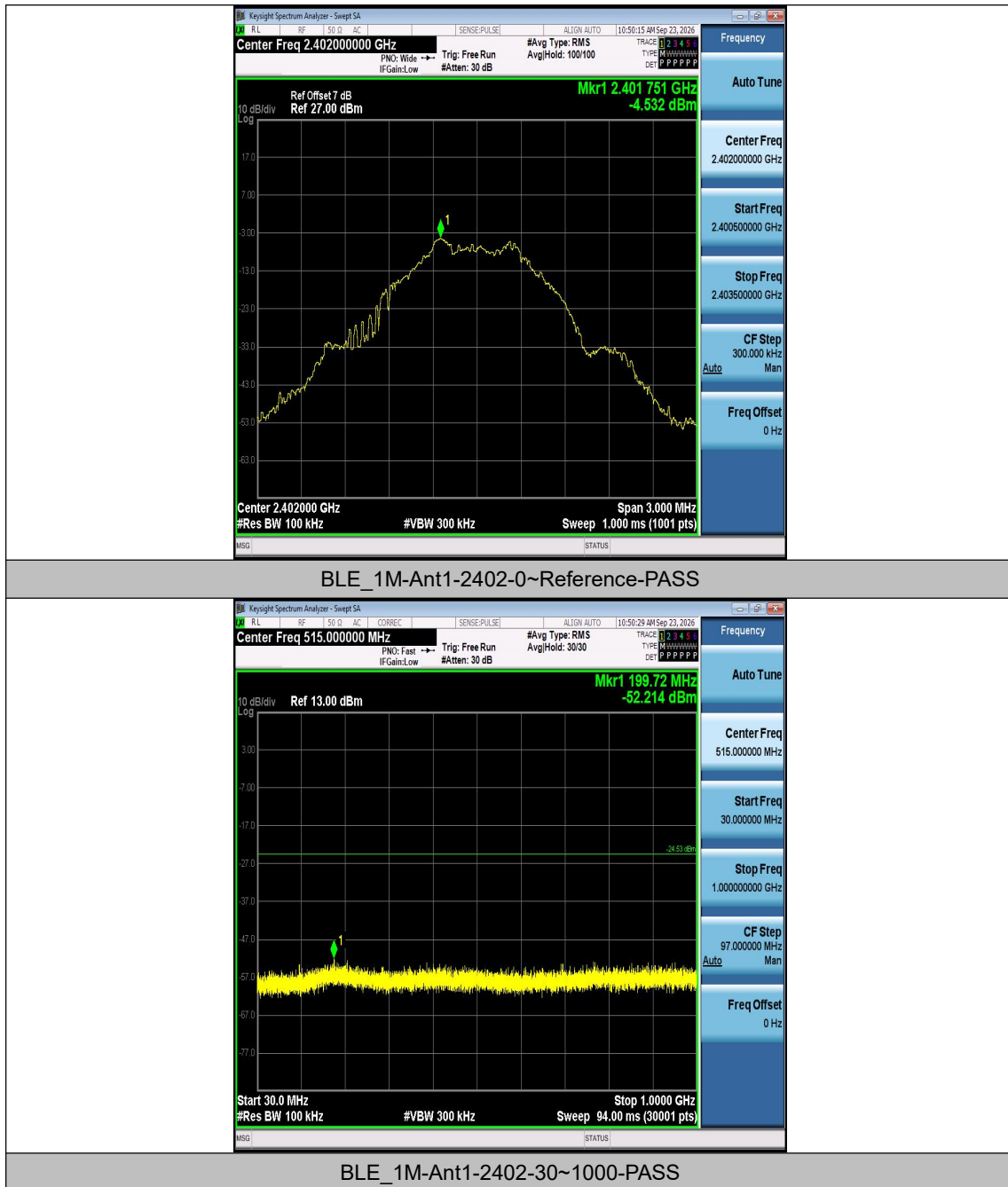
## Appendix F: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Frequency [MHz] | Freq. Range [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------------|-------------------|------------------|--------------|-------------|---------|
| BLE_1M    | Ant1    | 2402            | 0~Reference       | -4.53            | -4.53        | ---         | PASS    |
| BLE_1M    | Ant1    | 2402            | 30~1000           | -4.53            | -52.21       | ≤-24.53     | PASS    |
| BLE_1M    | Ant1    | 2402            | 1000~26500        | -4.53            | -37.06       | ≤-24.53     | PASS    |
| BLE_1M    | Ant1    | 2440            | 0~Reference       | -4.55            | -4.55        | ---         | PASS    |
| BLE_1M    | Ant1    | 2440            | 30~1000           | -4.55            | -51.29       | ≤-24.55     | PASS    |
| BLE_1M    | Ant1    | 2440            | 1000~26500        | -4.55            | -37.07       | ≤-24.55     | PASS    |
| BLE_1M    | Ant1    | 2480            | 0~Reference       | -4.50            | -4.50        | ---         | PASS    |
| BLE_1M    | Ant1    | 2480            | 30~1000           | -4.50            | -51.9        | ≤-24.5      | PASS    |
| BLE_1M    | Ant1    | 2480            | 1000~26500        | -4.50            | -36.83       | ≤-24.5      | PASS    |

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

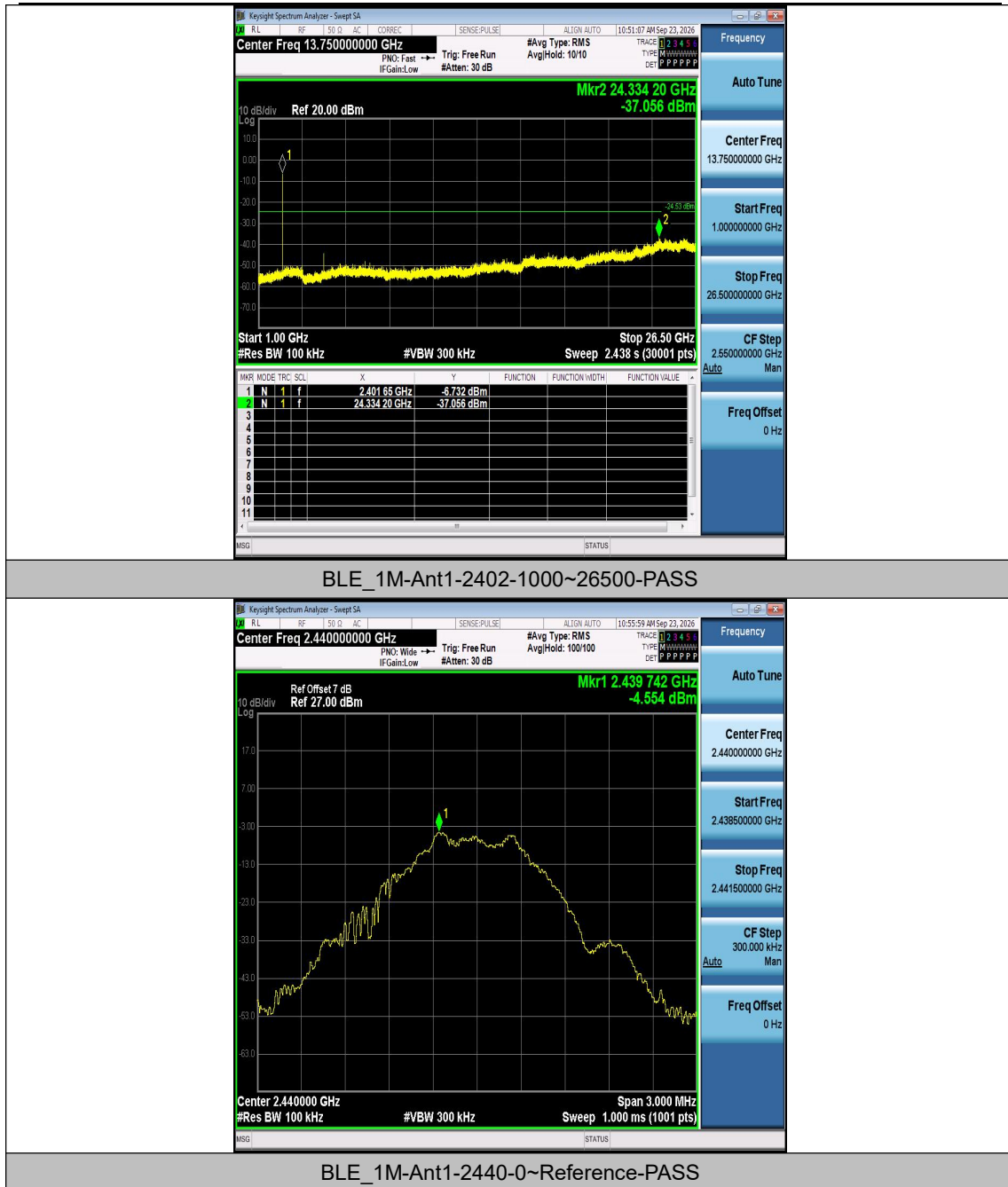
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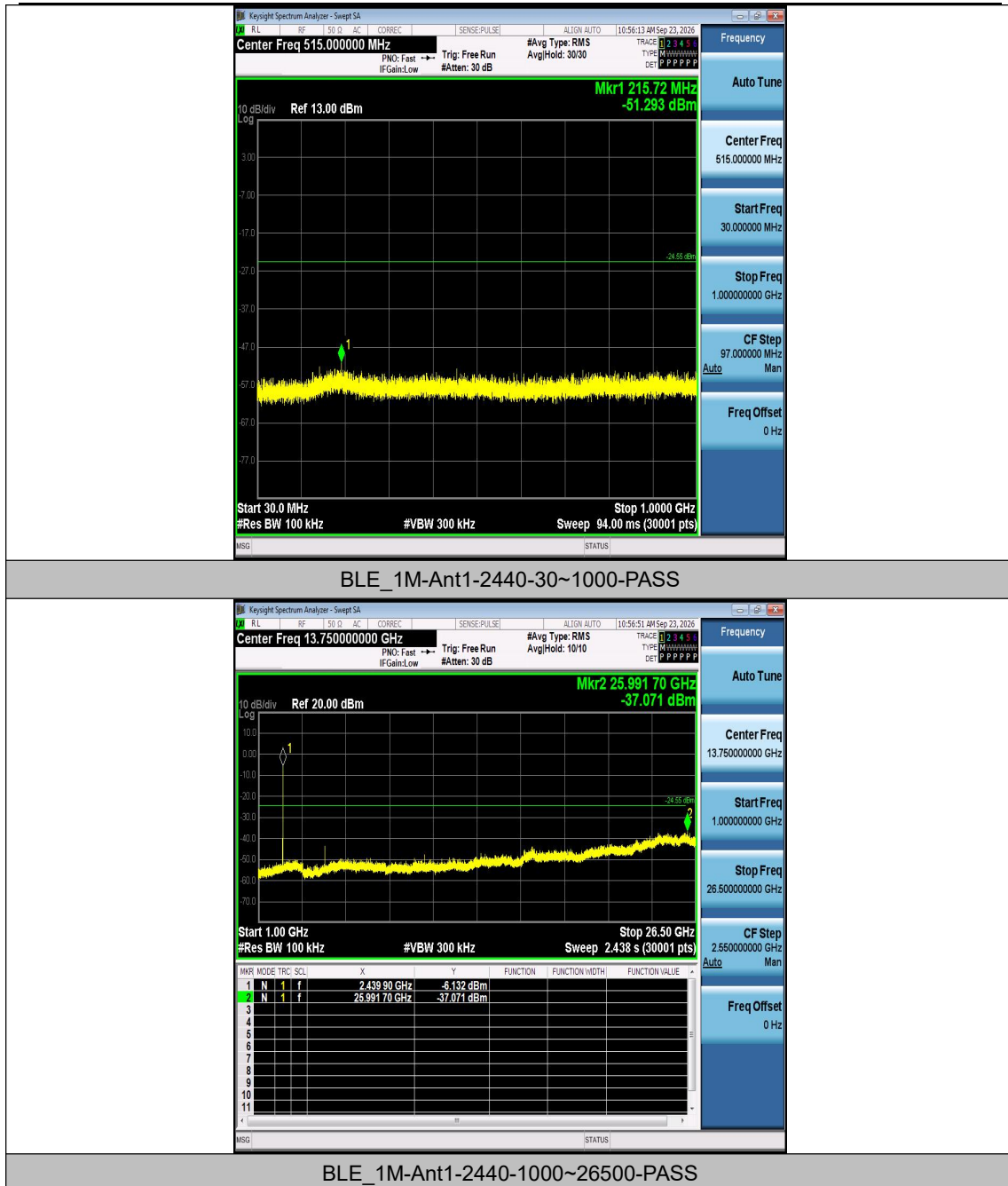
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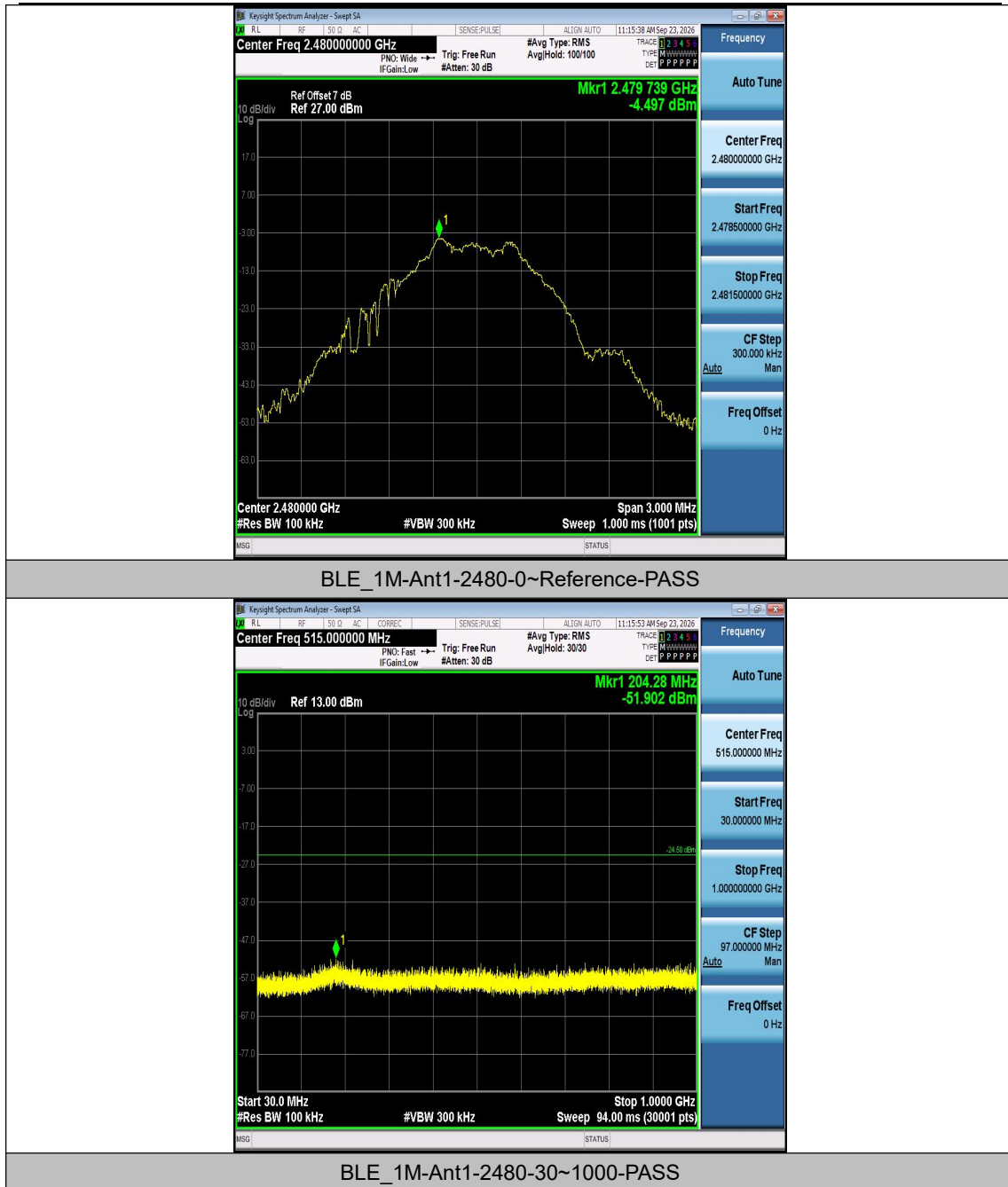
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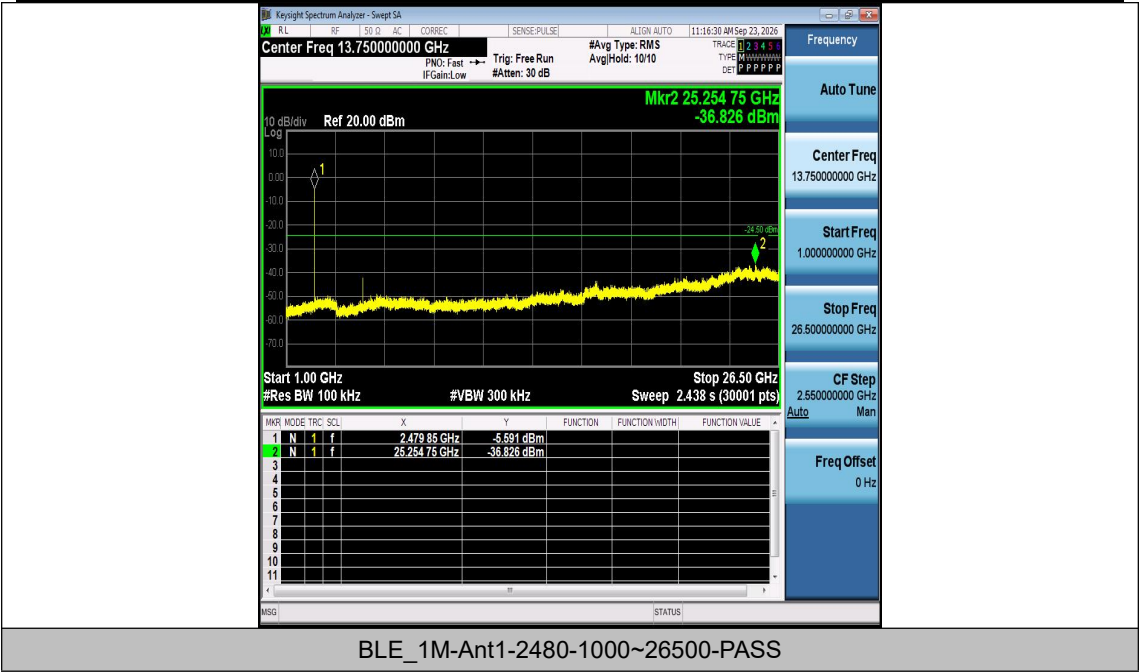
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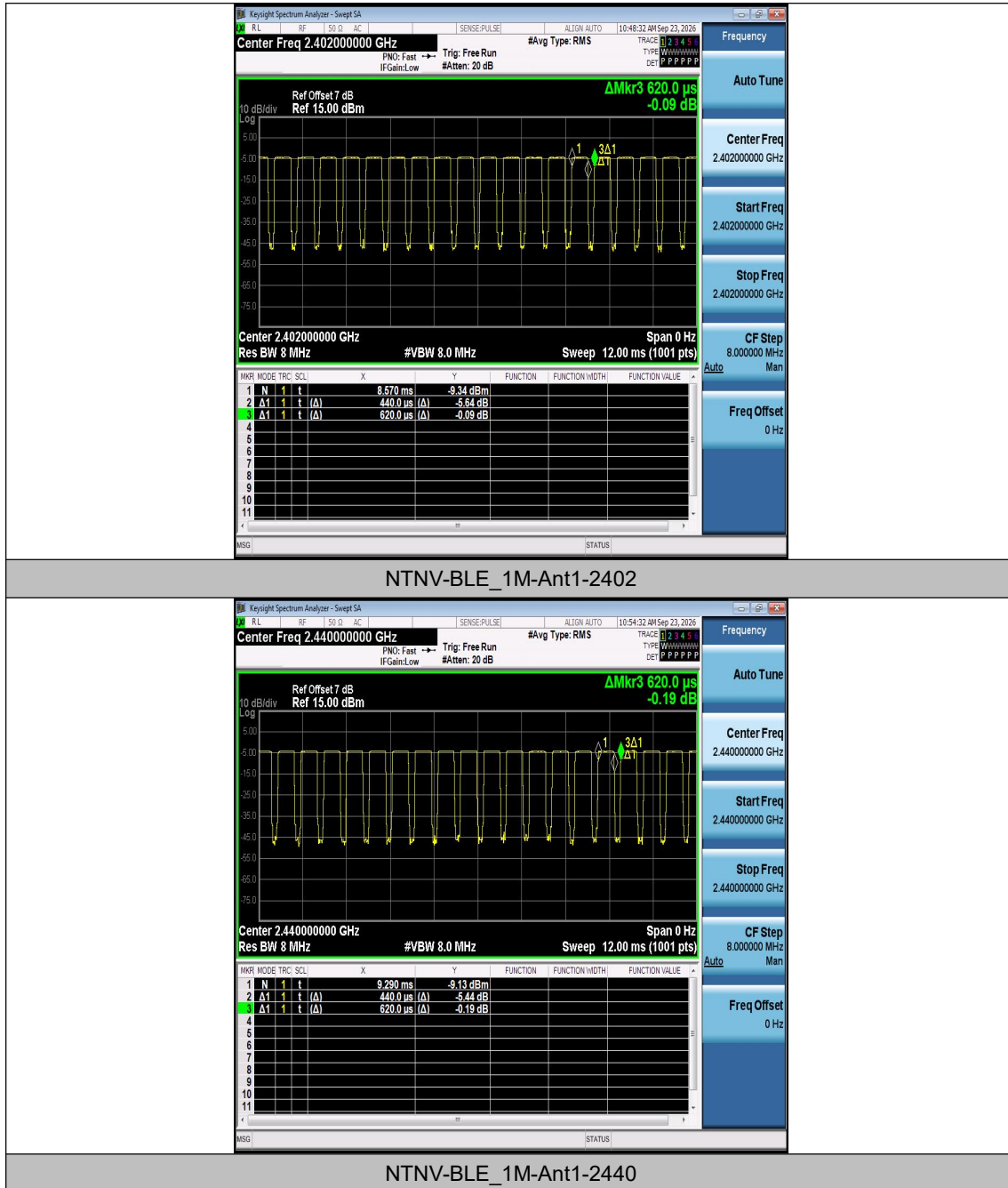
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## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency [MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|-----------|---------|-----------------|--------------|-------------|----------------|-----------------------|
| BLE_1M    | Ant1    | 2402            | 0.44         | 0.62        | 70.97          | 1.49                  |
| BLE_1M    | Ant1    | 2440            | 0.44         | 0.62        | 70.97          | 1.49                  |
| BLE_1M    | Ant1    | 2480            | 0.44         | 0.62        | 70.97          | 1.49                  |

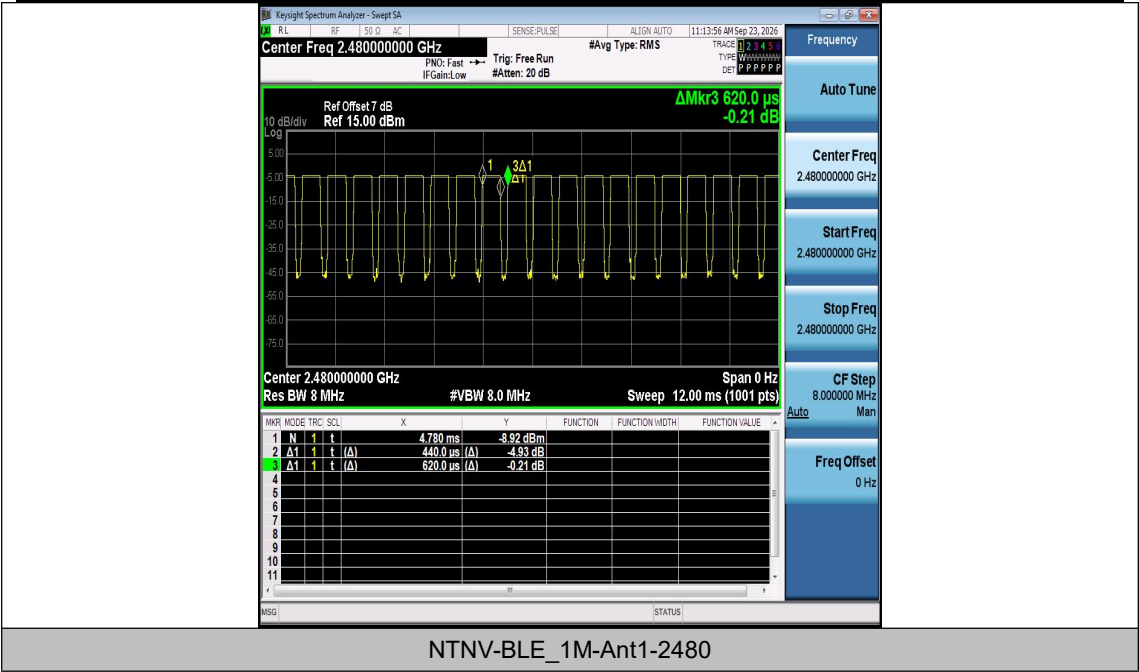
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