

## Appendix Test Data

|                  |                     |                    |             |
|------------------|---------------------|--------------------|-------------|
| Report No.:      | 1812C60192912501-01 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2026-4-8            | Finish Test Date:  | 2026-4-14   |
| Test Engineer:   | Pearl Ao            | Auditor:           | Justin Feng |
| Temperature:     | 23.1℃               | Relative Humidity: | 60%         |
| Pressure:        | 101kPa              |                    |             |



## 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           | 0.980        | 2401.556 | 2402.536 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2440           | 0.968        | 2439.560 | 2440.528 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2480           | 0.972        | 2479.556 | 2480.528 | 0.5        | PASS    |
| BLE_2M    | Ant1    | 2402           | 1.548        | 2401.228 | 2402.776 | 0.5        | PASS    |
| BLE_2M    | Ant1    | 2440           | 1.552        | 2439.228 | 2440.780 | 0.5        | PASS    |
| BLE_2M    | Ant1    | 2480           | 1.504        | 2479.272 | 2480.776 | 0.5        | PASS    |

## Test Graphs



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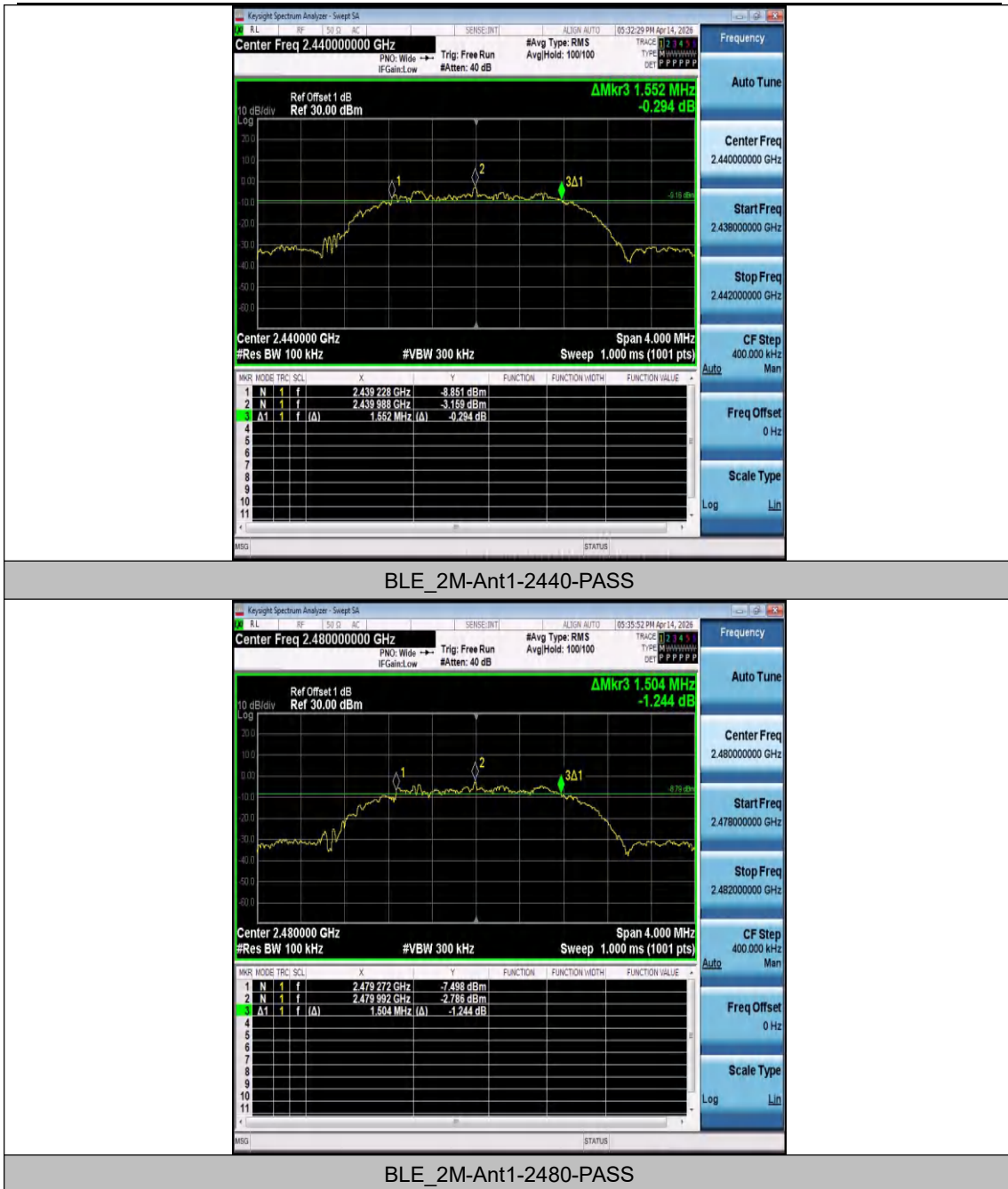
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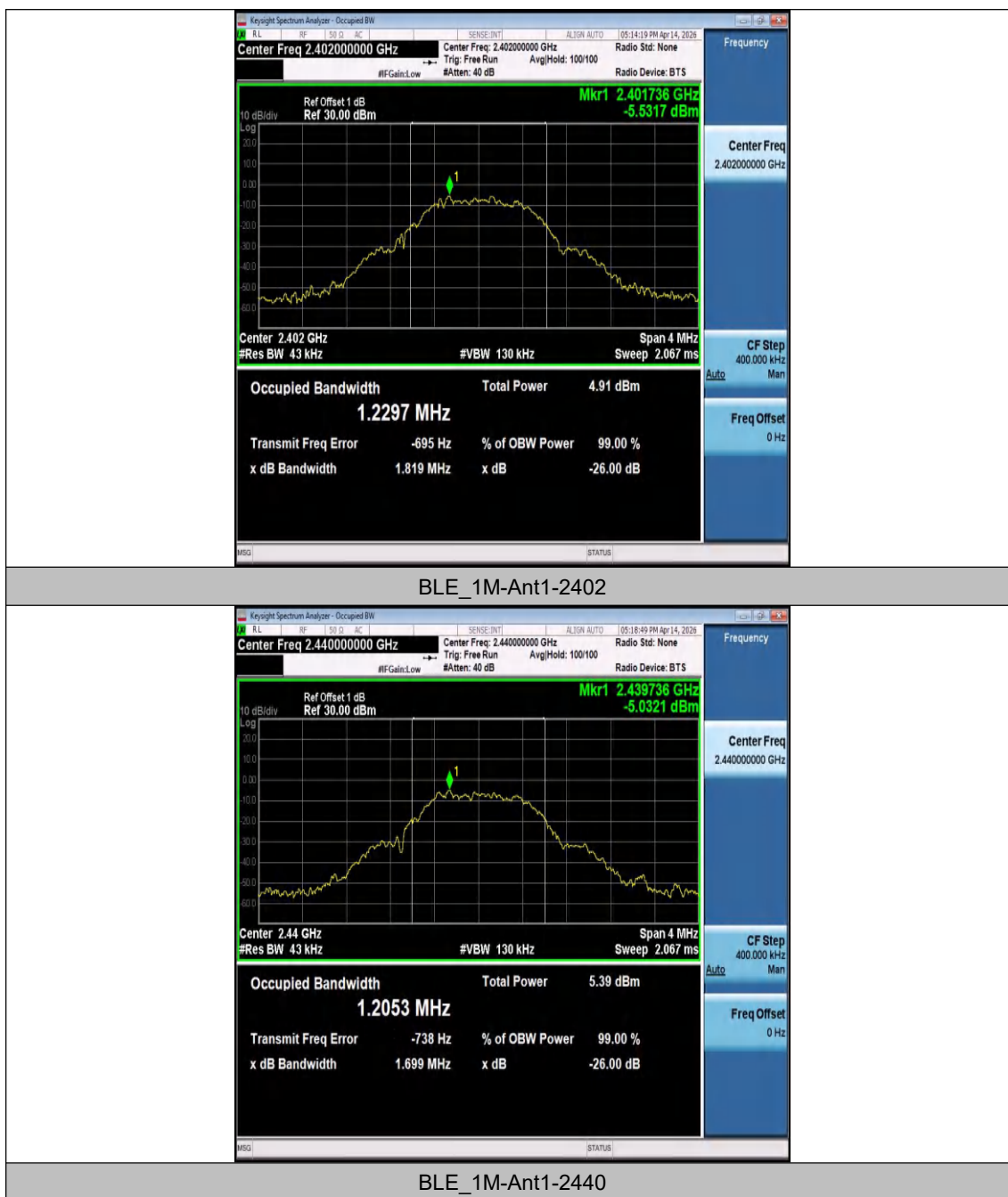
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## Appendix B: 99% Occupied Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| BLE_1M    | Ant1    | 2402           | 1.2297    | 2401.3845 | 2402.6142 | ---        | ---     |
| BLE_1M    | Ant1    | 2440           | 1.2053    | 2439.3966 | 2440.6019 | ---        | ---     |
| BLE_1M    | Ant1    | 2480           | 1.2062    | 2479.3972 | 2480.6034 | ---        | ---     |
| BLE_2M    | Ant1    | 2402           | 2.1974    | 2400.8940 | 2403.0914 | ---        | ---     |
| BLE_2M    | Ant1    | 2440           | 2.1799    | 2438.9022 | 2441.0821 | ---        | ---     |
| BLE_2M    | Ant1    | 2480           | 2.1736    | 2478.9054 | 2481.0790 | ---        | ---     |

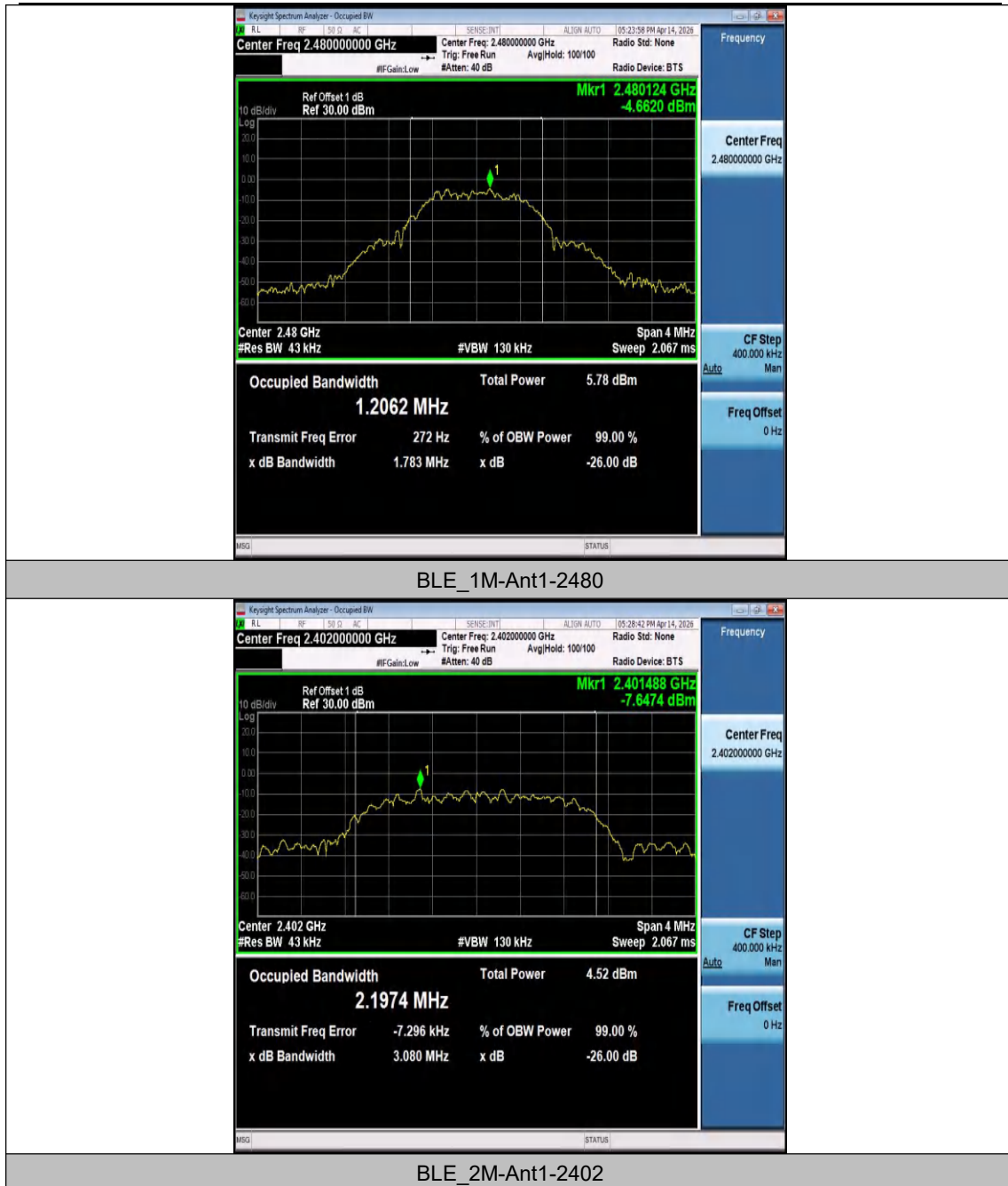
## Test Graphs



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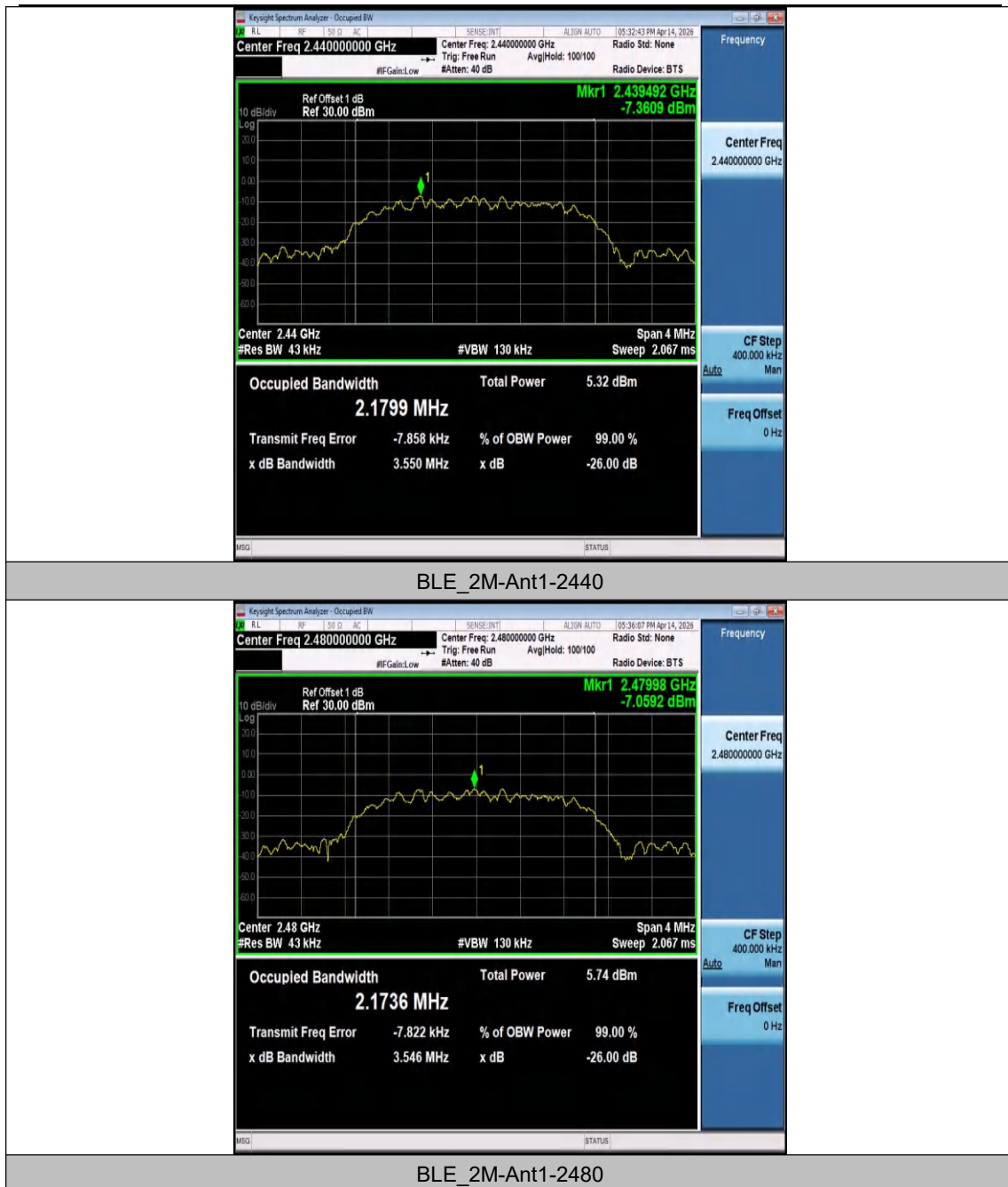
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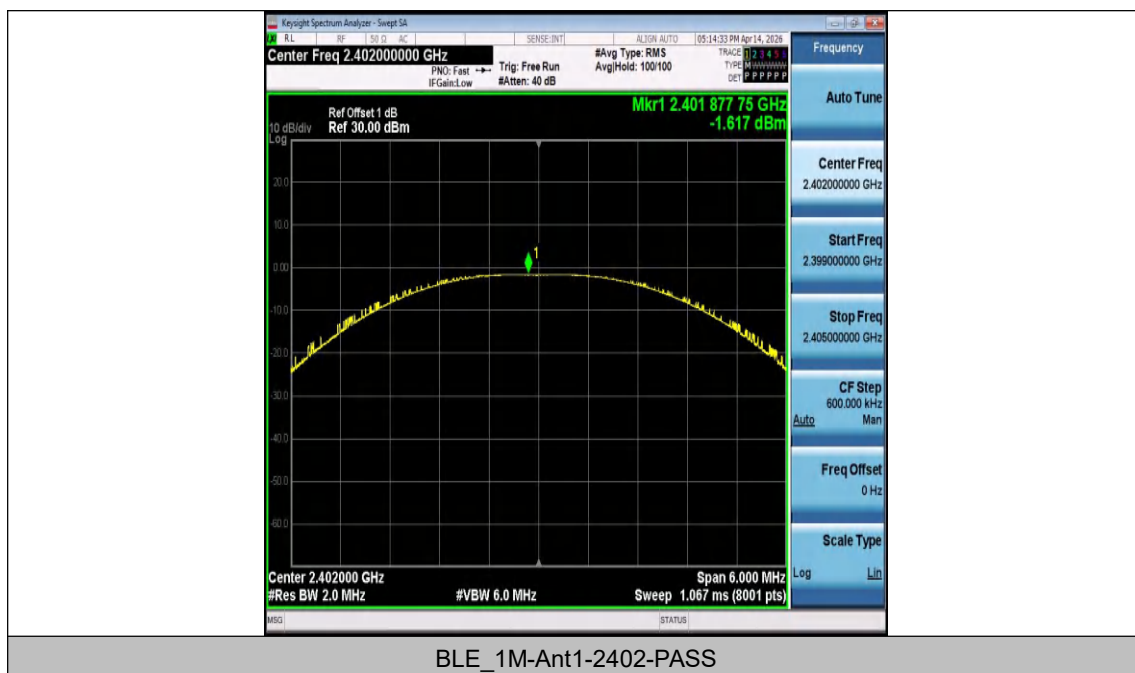
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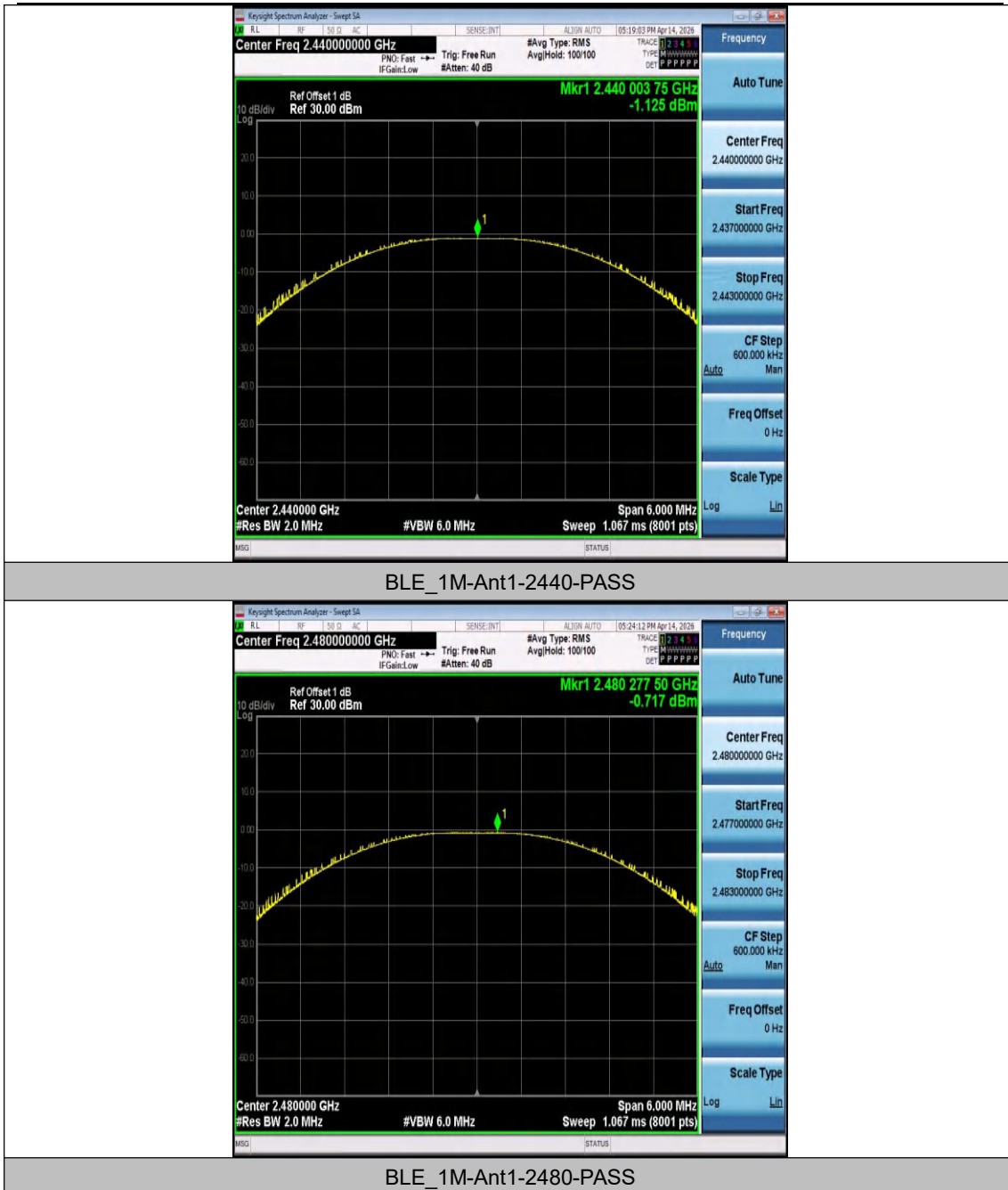
## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency [MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|-----------------|---------------------------|----------------------|---------|
| BLE_1M    | Ant1    | 2402            | -1.62                     | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2440            | -1.13                     | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2480            | <b>-0.72</b>              | ≤30                  | PASS    |
| BLE_2M    | Ant1    | 2402            | -1.61                     | ≤30                  | PASS    |
| BLE_2M    | Ant1    | 2440            | -1.13                     | ≤30                  | PASS    |
| BLE_2M    | Ant1    | 2480            | -0.74                     | ≤30                  | PASS    |

### Test Graphs Peak

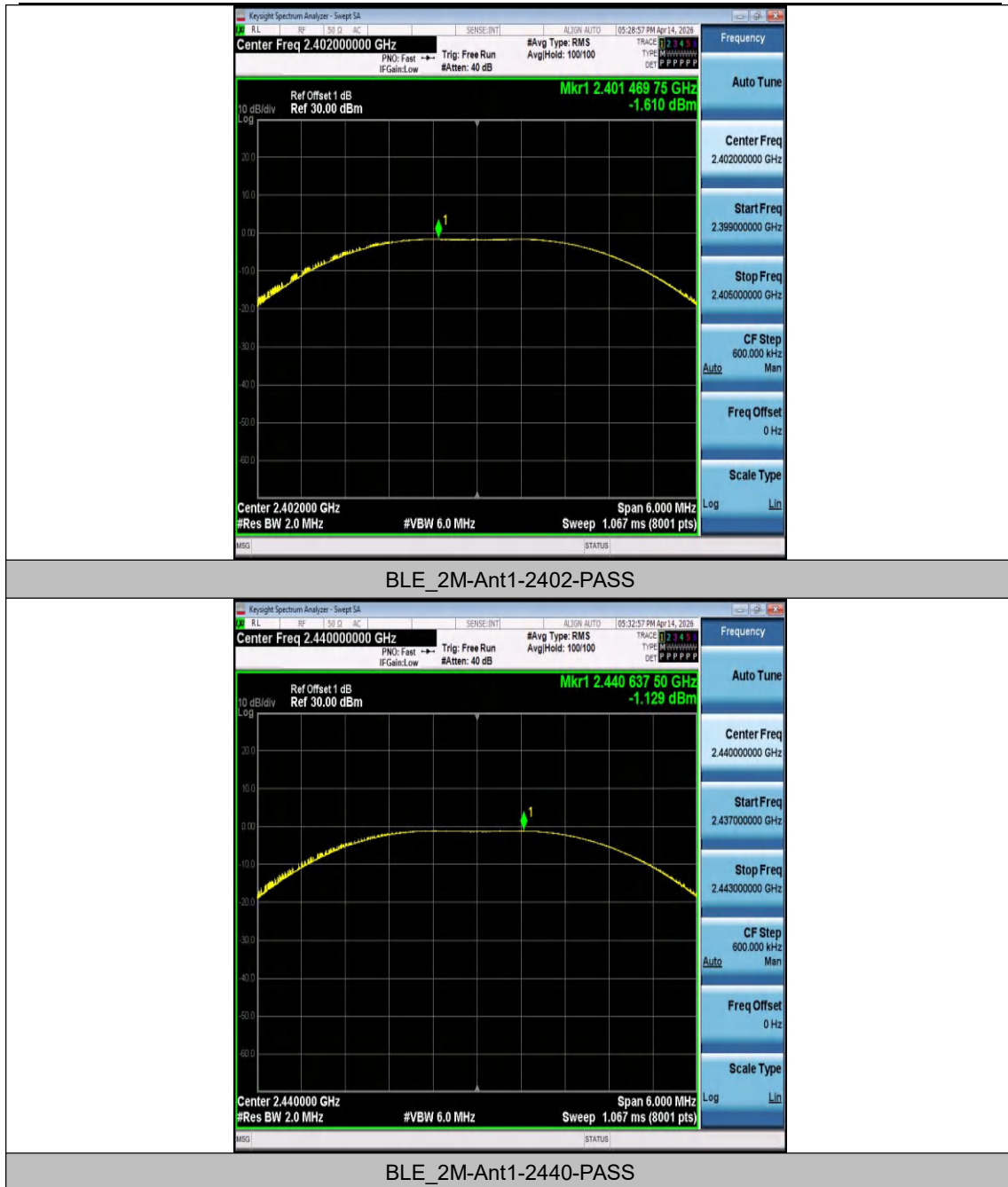




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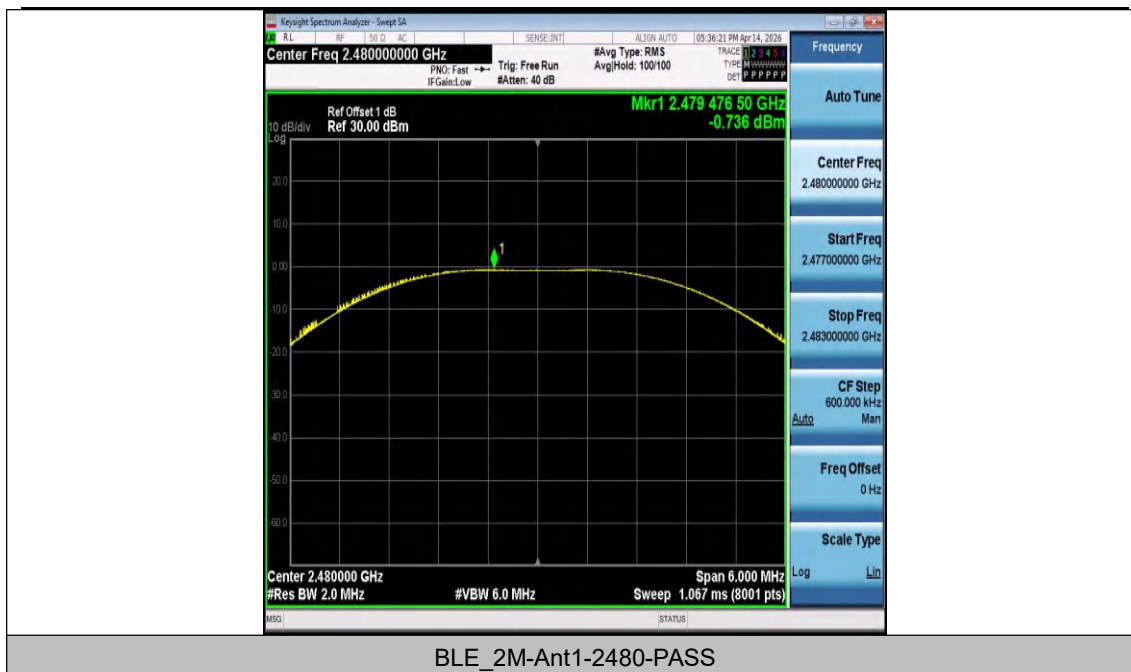
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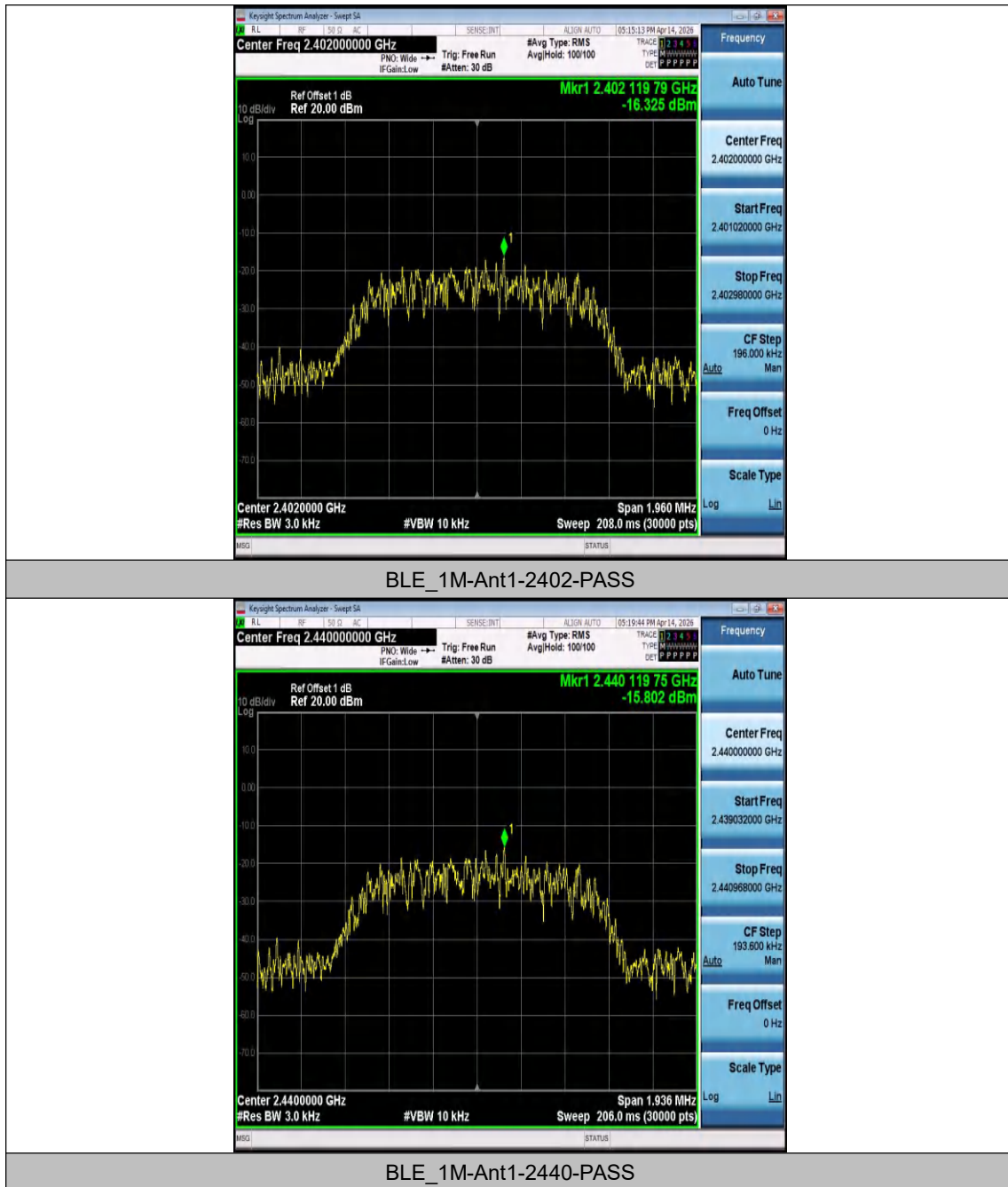
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## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -16.33           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -15.80           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -15.35           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2402           | -18.58           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2440           | -18.03           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2480           | -17.70           | ≤8.00           | PASS    |

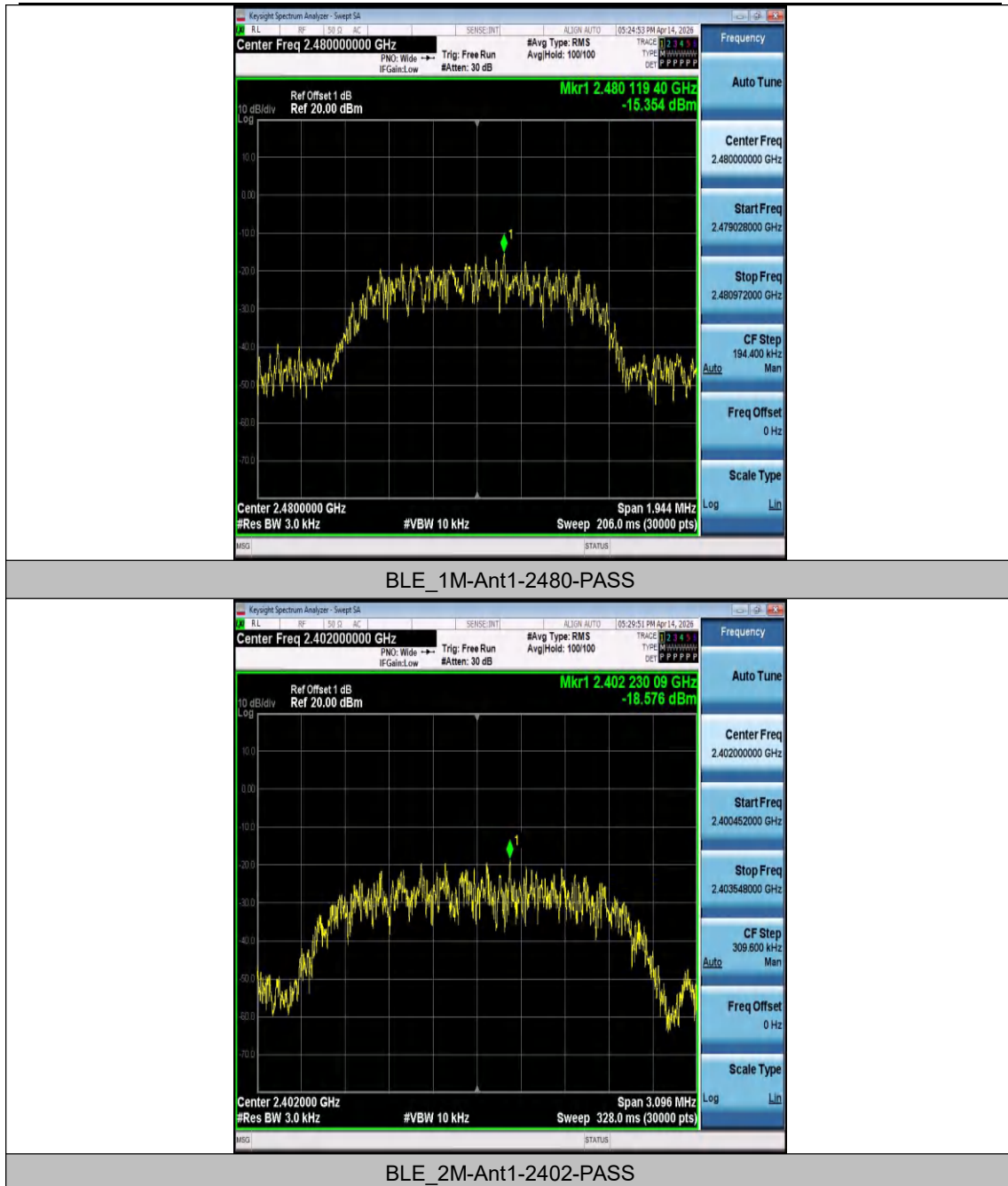
## Test Graphs



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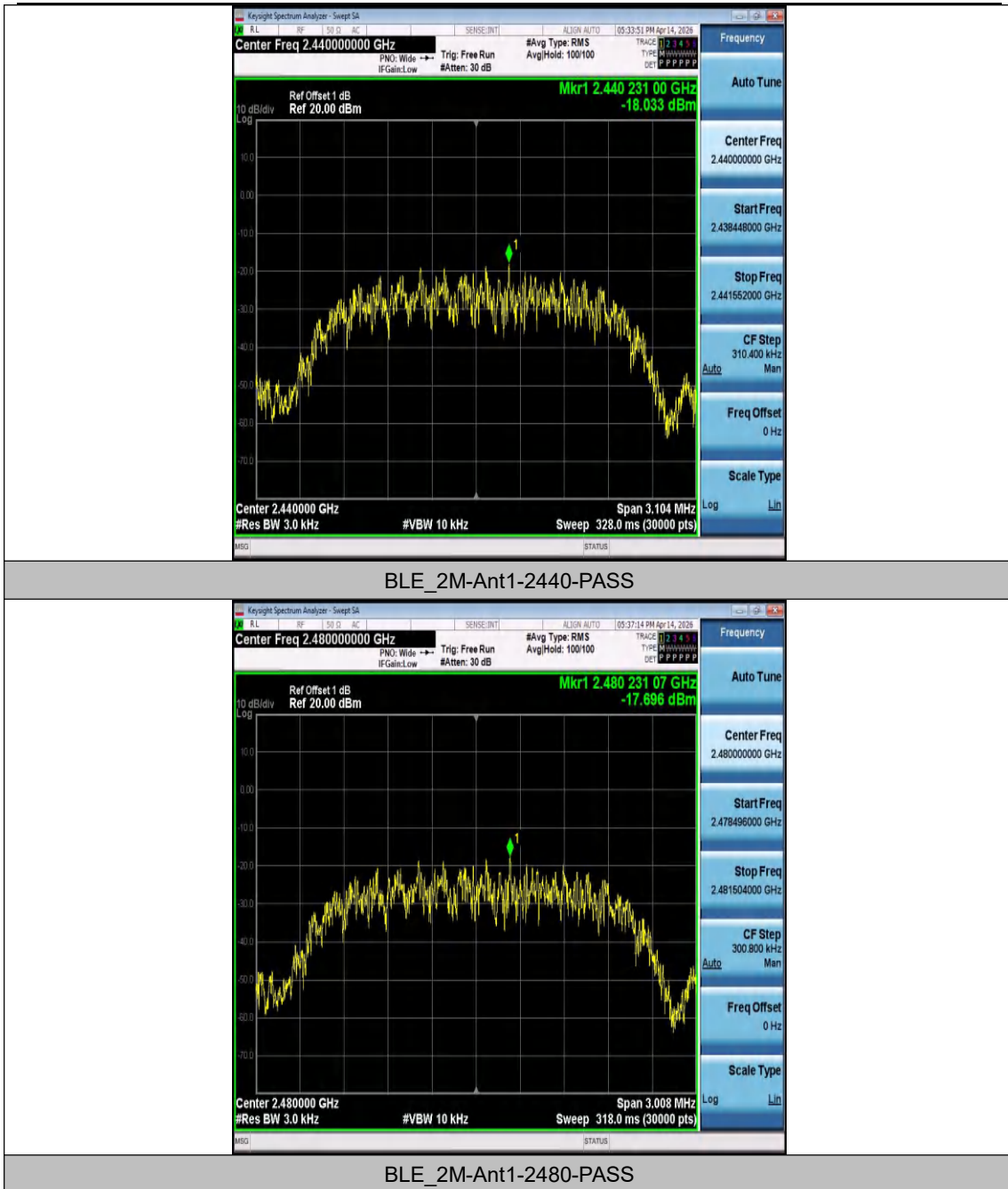
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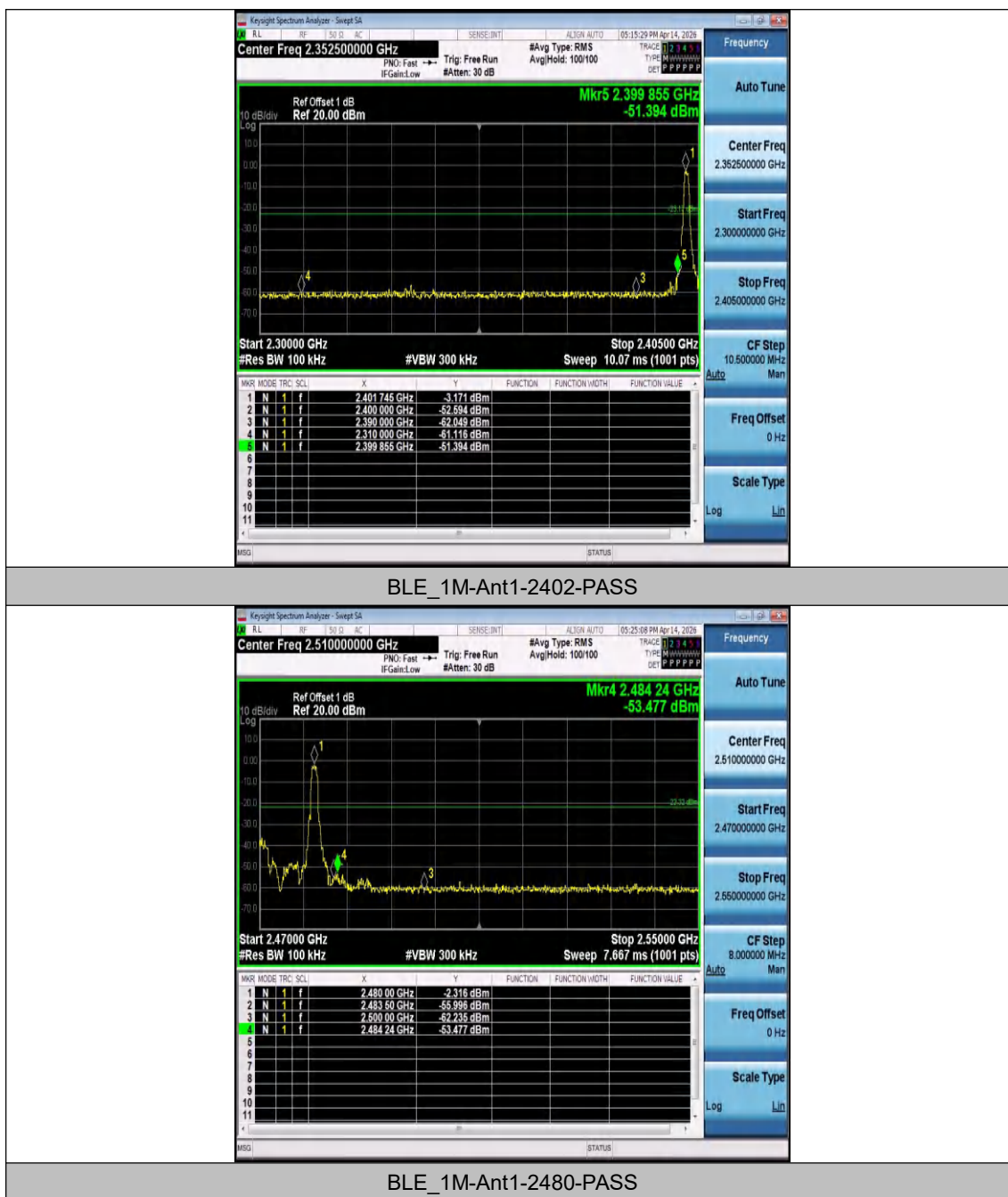
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## Appendix E: Band edge measurements

### Test Result

| Test Mode | Antenna | ChName | Frequency [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------|-----------------|----------------|--------------|-------------|---------|
| BLE_1M    | Ant1    | Low    | 2402            | -3.17          | -51.39       | ≤-23.17     | PASS    |
| BLE_1M    | Ant1    | High   | 2480            | -2.32          | -53.48       | ≤-22.32     | PASS    |
| BLE_2M    | Ant1    | Low    | 2402            | -4.06          | -34.64       | ≤-24.06     | PASS    |
| BLE_2M    | Ant1    | High   | 2480            | -3.91          | -53.34       | ≤-23.91     | PASS    |

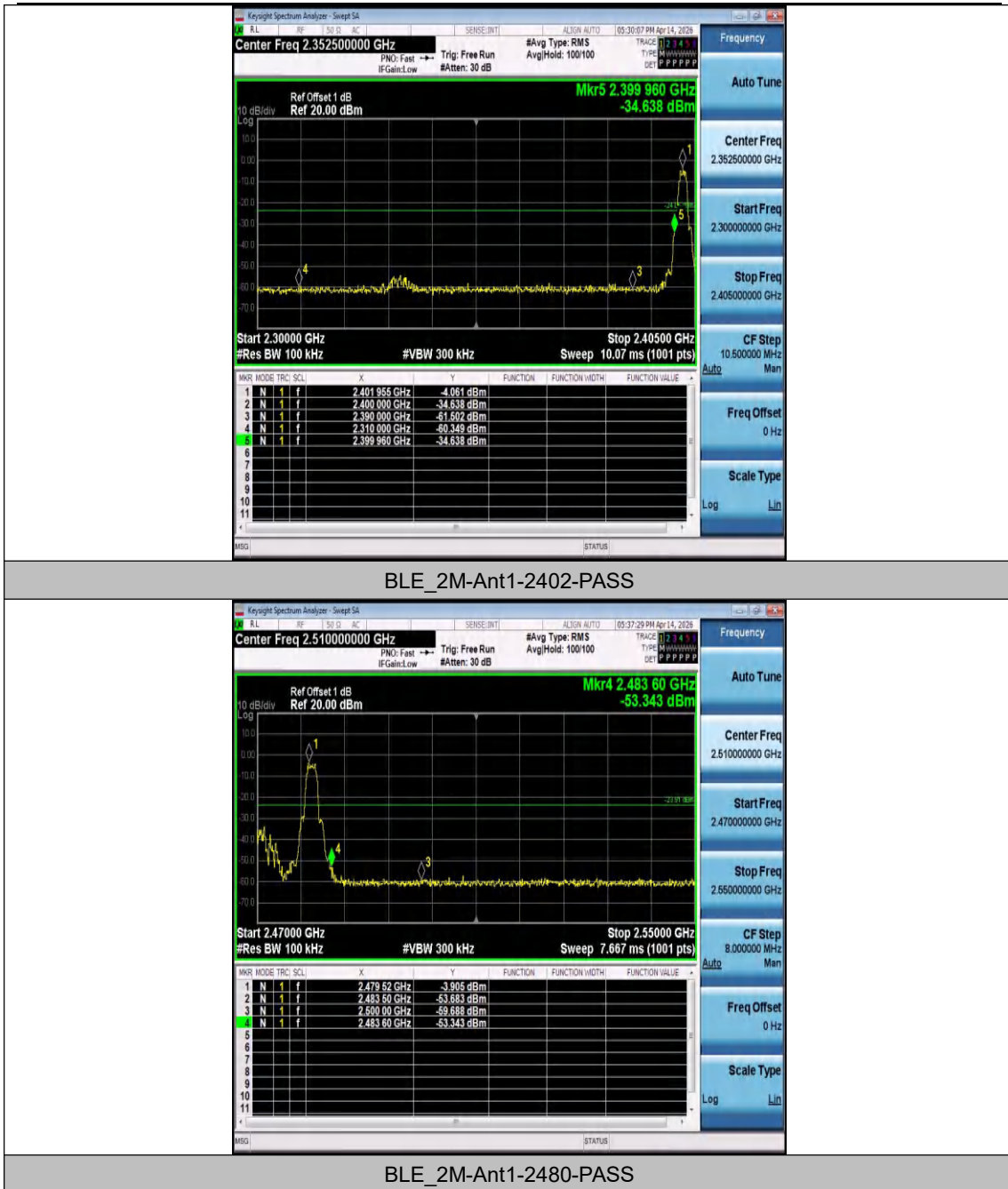
## Test Graphs



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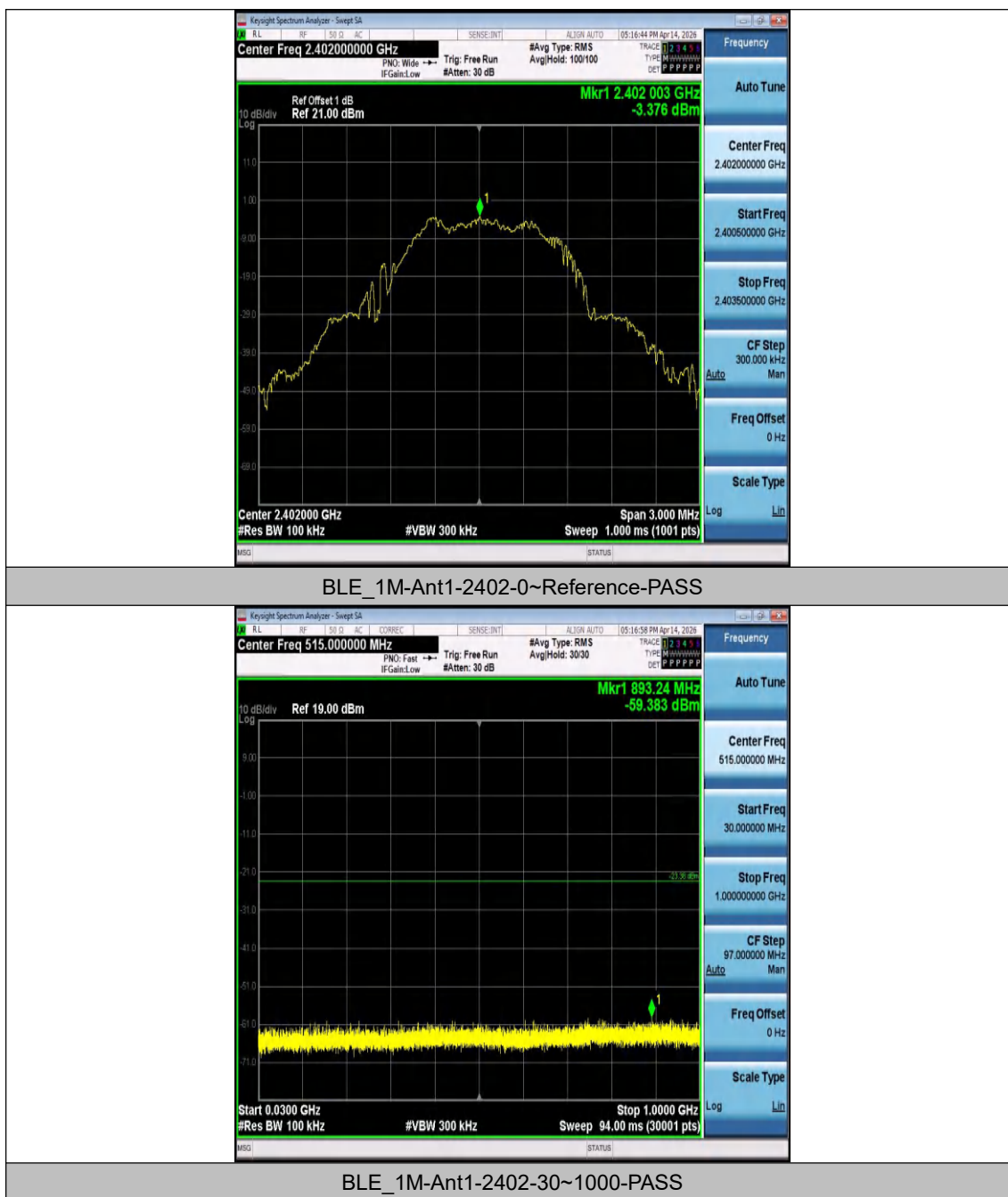
## Appendix F: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Frequency [MHz] | Freq. Range [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------------|-------------------|------------------|--------------|-------------|---------|
| BLE_1M    | Ant1    | 2402            | 0~Reference       | -3.38            | -3.38        | ---         | PASS    |
| BLE_1M    | Ant1    | 2402            | 30~1000           | -3.38            | -59.38       | ≤-23.38     | PASS    |
| BLE_1M    | Ant1    | 2402            | 1000~26500        | -3.38            | -37.72       | ≤-23.38     | PASS    |
| BLE_1M    | Ant1    | 2440            | 0~Reference       | -2.84            | -2.84        | ---         | PASS    |
| BLE_1M    | Ant1    | 2440            | 30~1000           | -2.84            | -59.03       | ≤-22.84     | PASS    |
| BLE_1M    | Ant1    | 2440            | 1000~26500        | -2.84            | -37.48       | ≤-22.84     | PASS    |
| BLE_1M    | Ant1    | 2480            | 0~Reference       | -2.45            | -2.45        | ---         | PASS    |
| BLE_1M    | Ant1    | 2480            | 30~1000           | -2.45            | -59.07       | ≤-22.45     | PASS    |
| BLE_1M    | Ant1    | 2480            | 1000~26500        | -2.45            | -37.69       | ≤-22.45     | PASS    |
| BLE_2M    | Ant1    | 2402            | 0~Reference       | -3.68            | -3.68        | ---         | PASS    |
| BLE_2M    | Ant1    | 2402            | 30~1000           | -3.68            | -58.57       | ≤-23.68     | PASS    |
| BLE_2M    | Ant1    | 2402            | 1000~26500        | -3.68            | -38.2        | ≤-23.68     | PASS    |
| BLE_2M    | Ant1    | 2440            | 0~Reference       | -3.25            | -3.25        | ---         | PASS    |
| BLE_2M    | Ant1    | 2440            | 30~1000           | -3.25            | -59.48       | ≤-23.25     | PASS    |
| BLE_2M    | Ant1    | 2440            | 1000~26500        | -3.25            | -38.99       | ≤-23.25     | PASS    |
| BLE_2M    | Ant1    | 2480            | 0~Reference       | -2.76            | -2.76        | ---         | PASS    |
| BLE_2M    | Ant1    | 2480            | 30~1000           | -2.76            | -58.63       | ≤-22.76     | PASS    |
| BLE_2M    | Ant1    | 2480            | 1000~26500        | -2.76            | -39.64       | ≤-22.76     | 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.

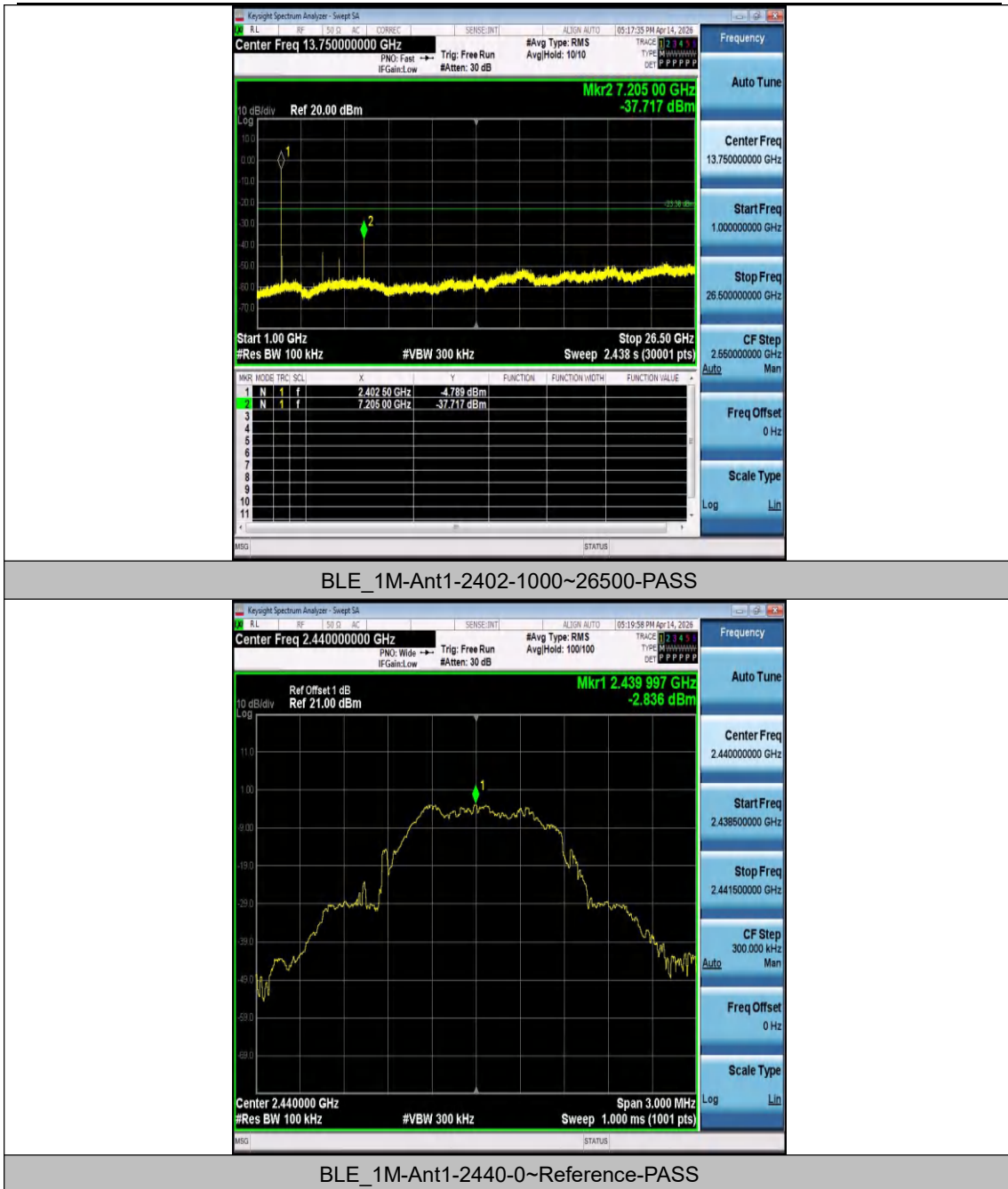
## Test Graphs



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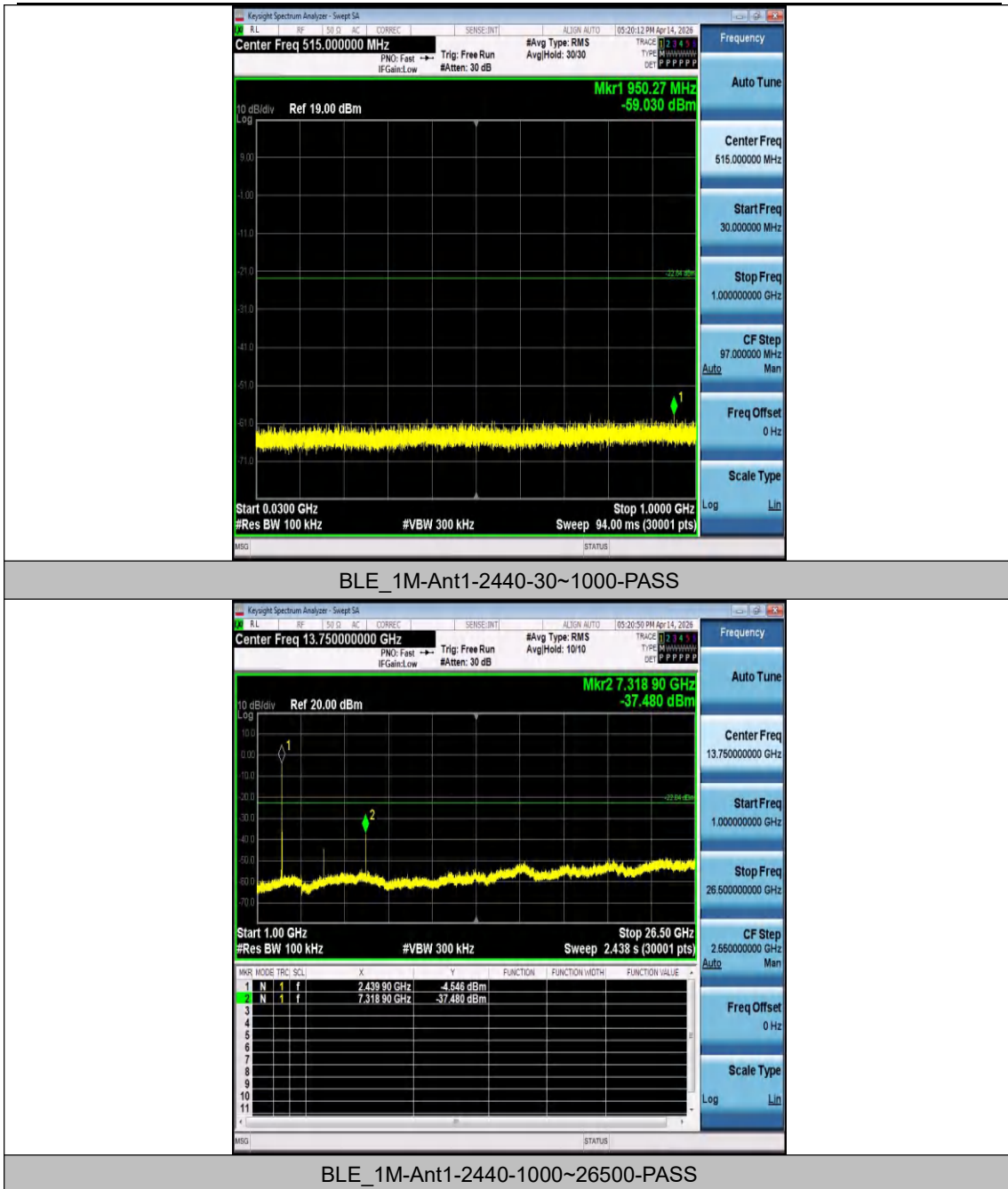
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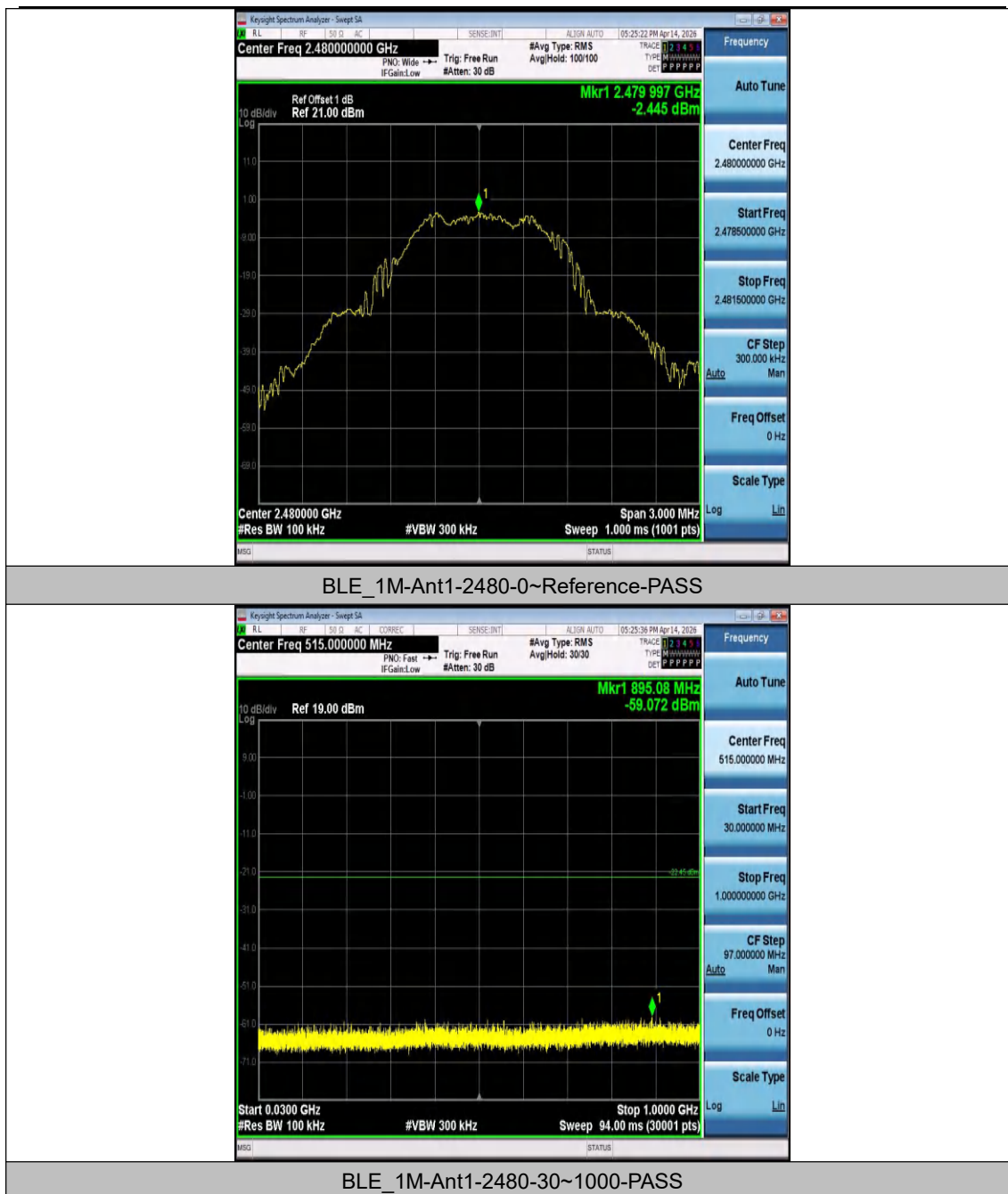
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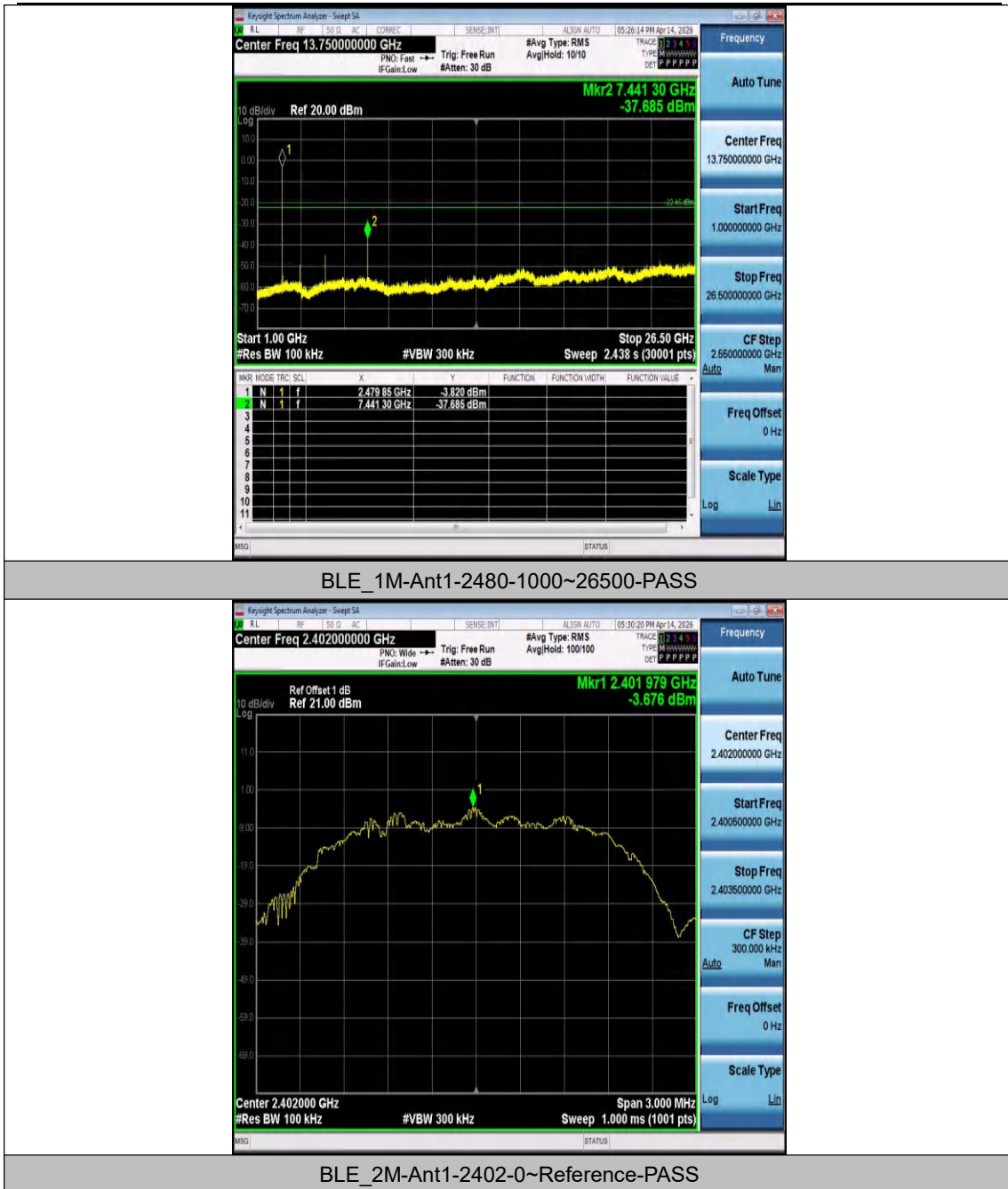
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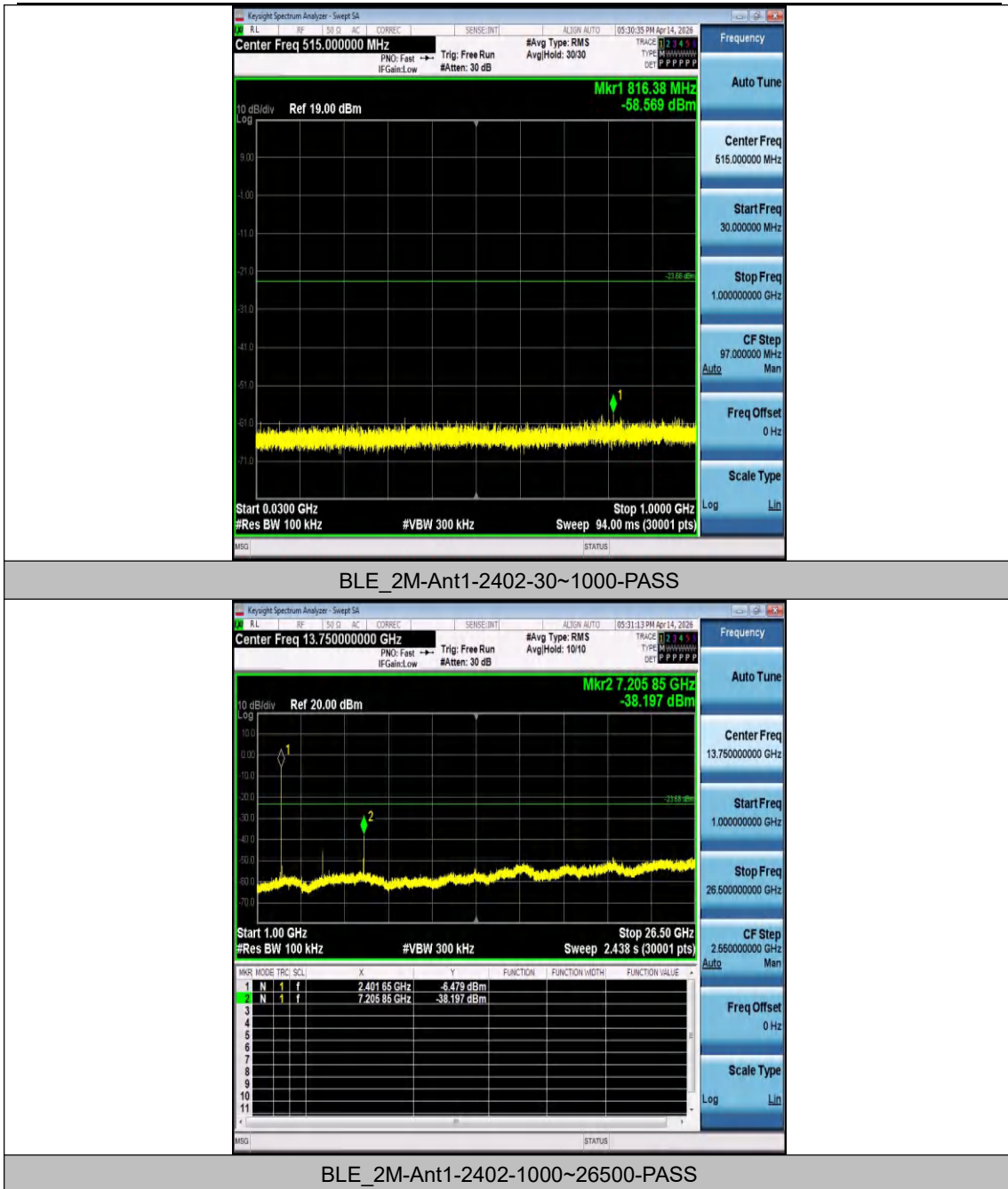
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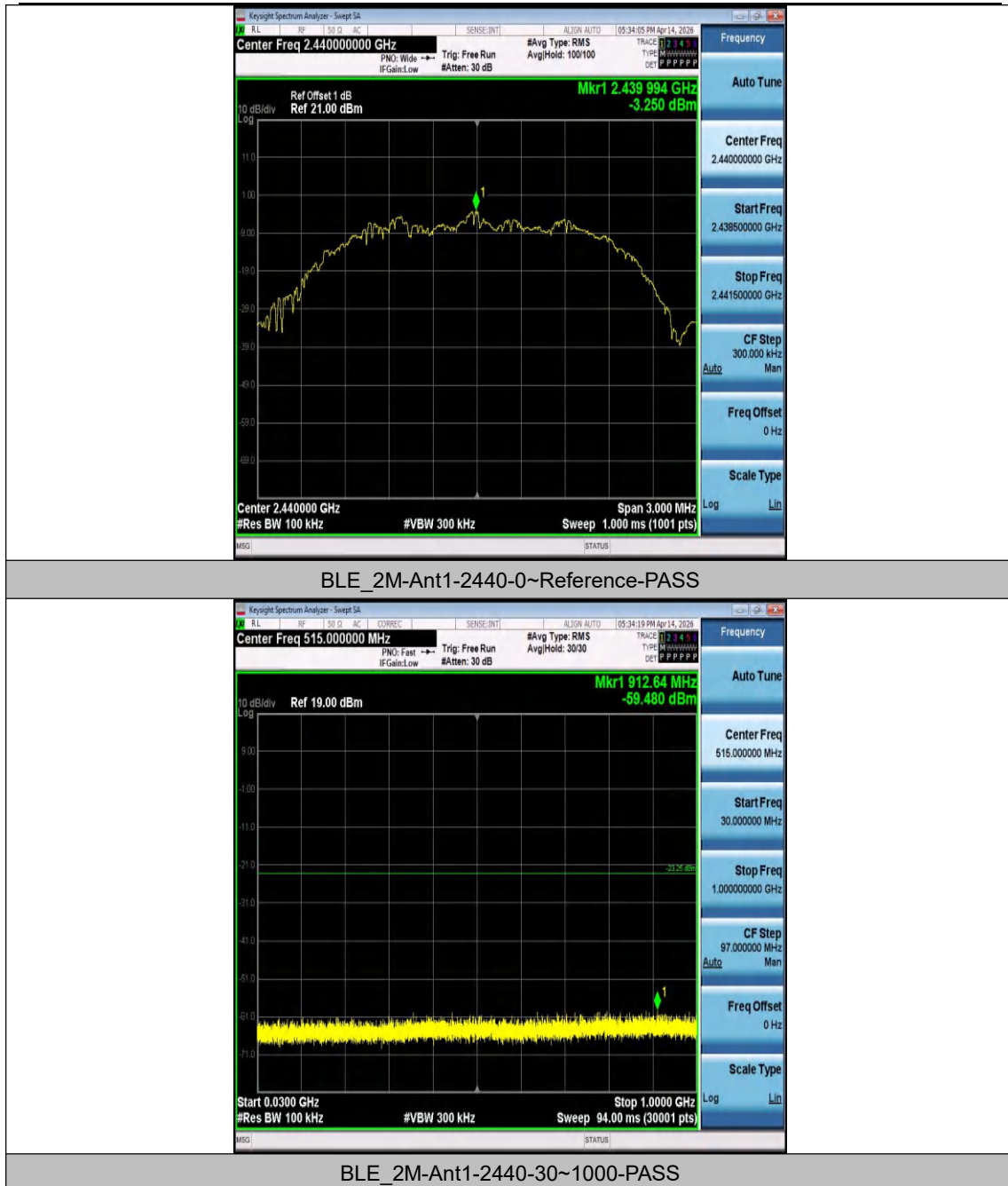
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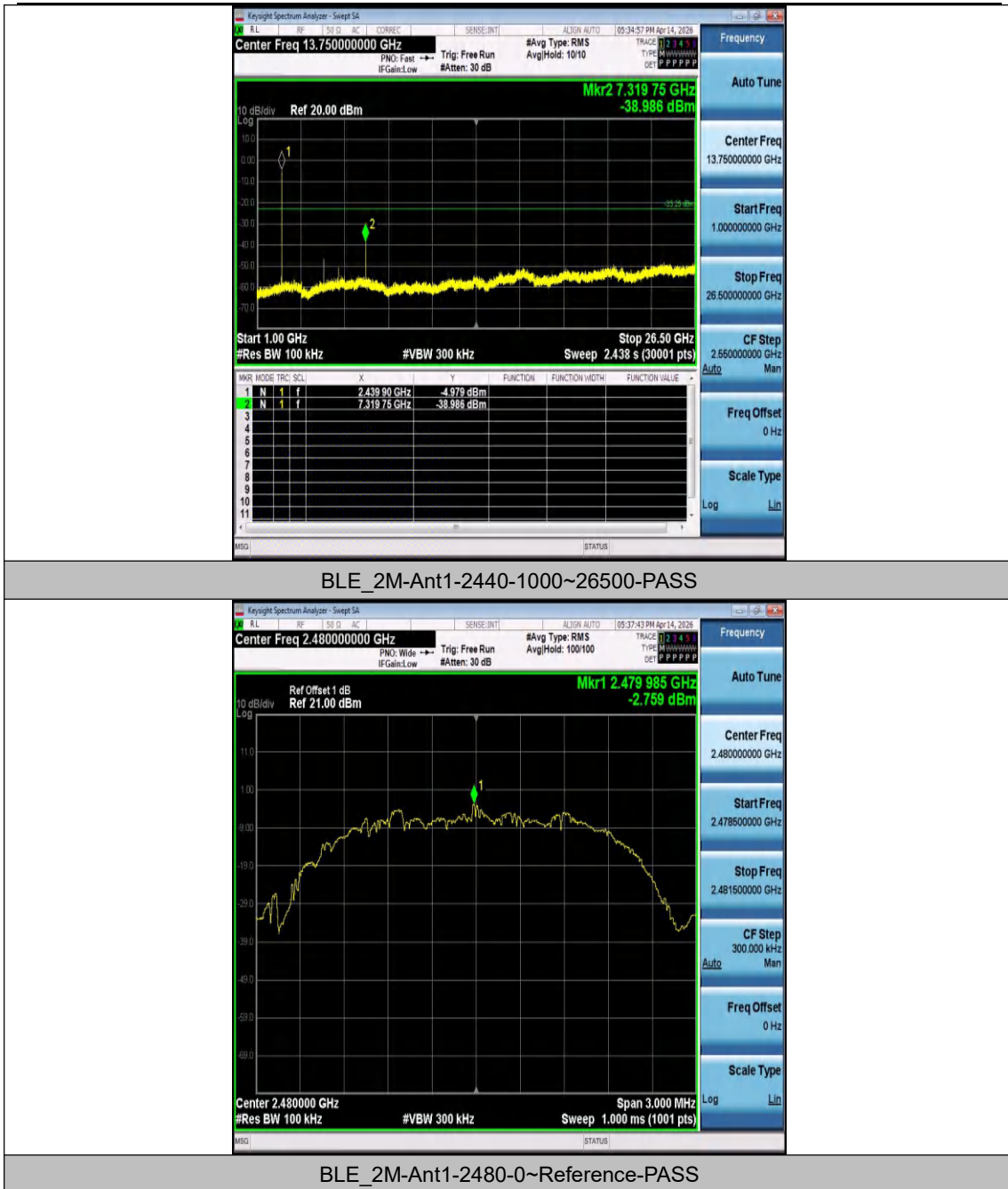
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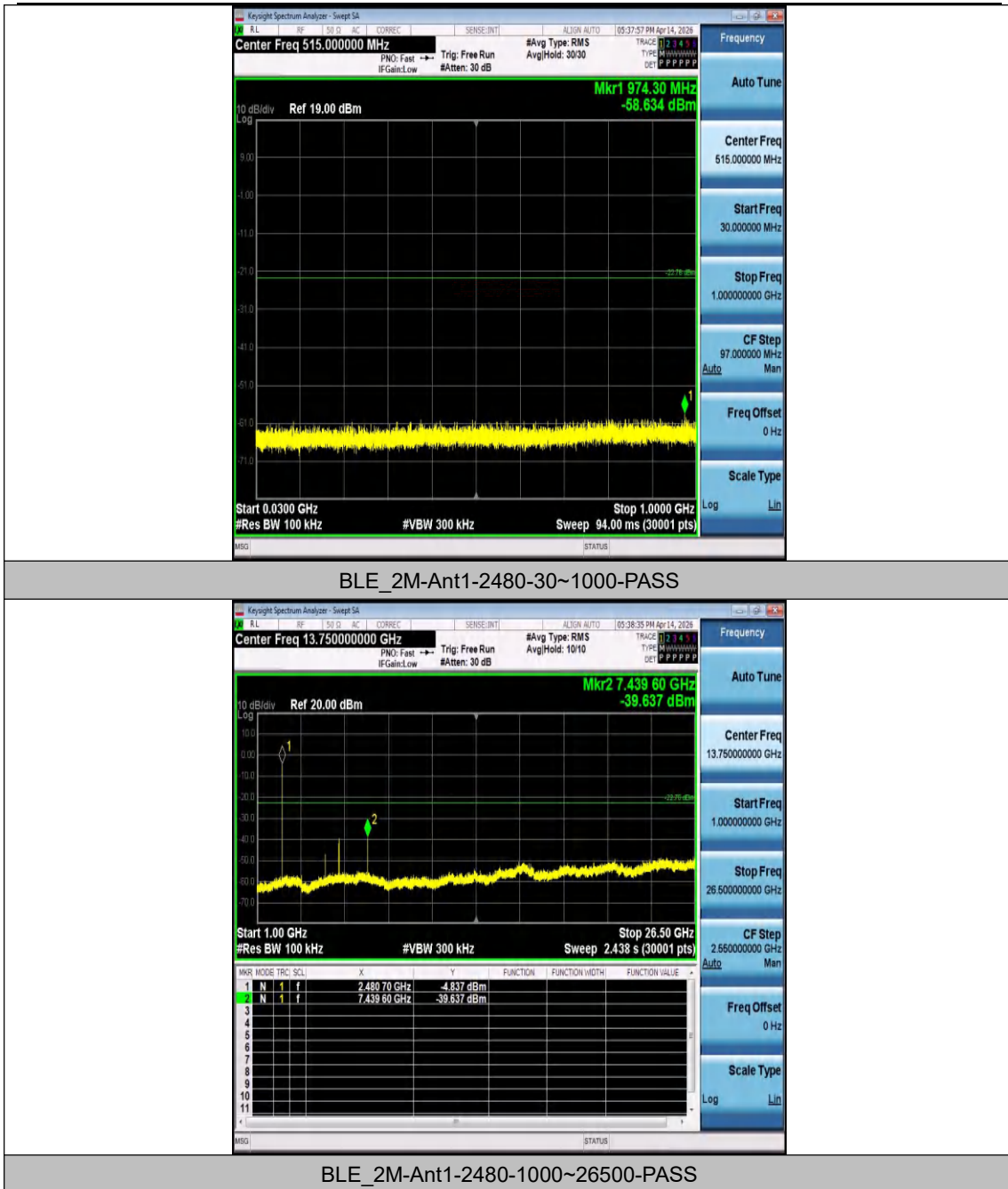
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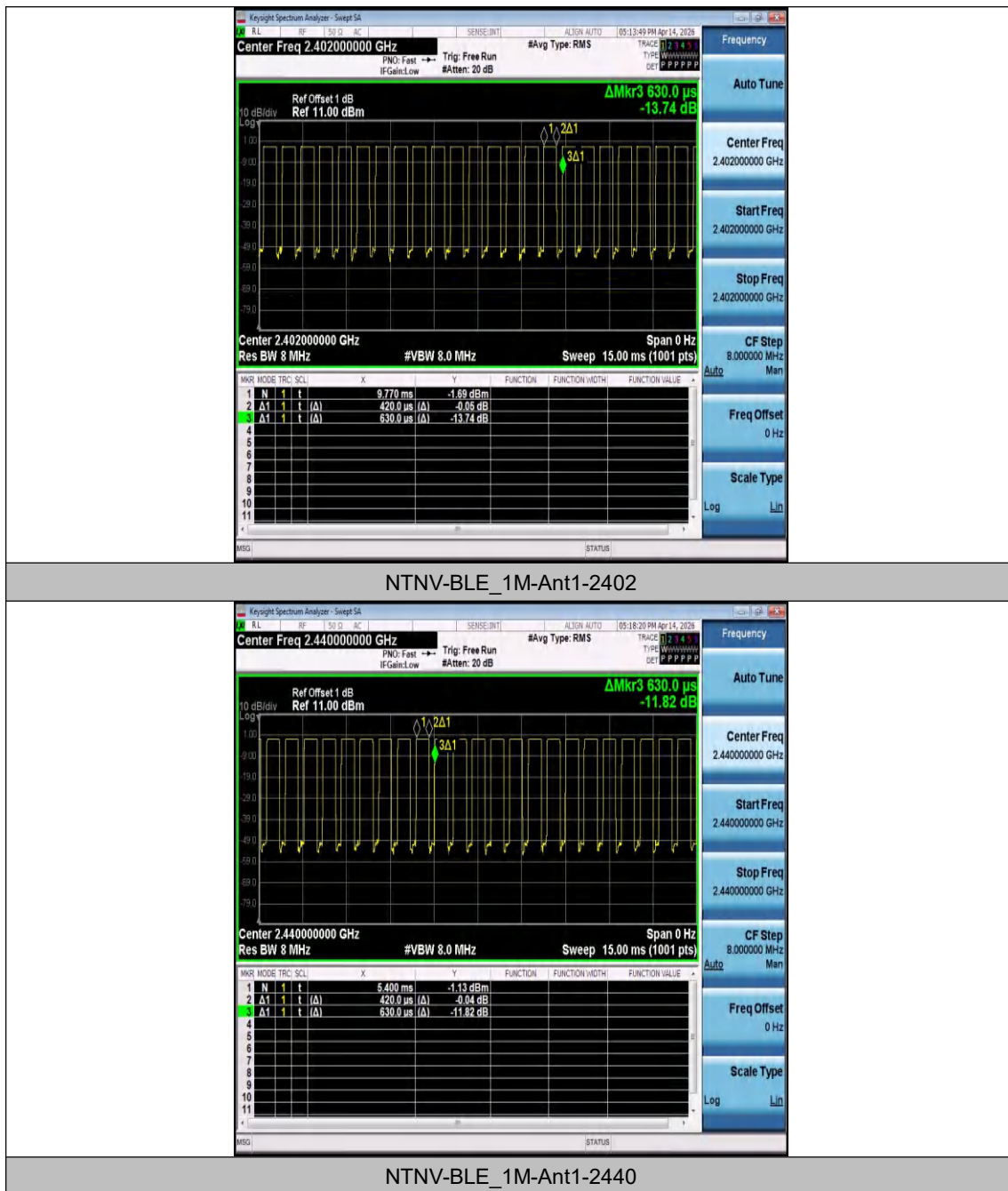
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## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency [MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|-----------|---------|-----------------|--------------|-------------|----------------|-----------------------|
| BLE_1M    | Ant1    | 2402            | 0.42         | 0.63        | 66.67          | 1.76                  |
| BLE_1M    | Ant1    | 2440            | 0.42         | 0.63        | 66.67          | 1.76                  |
| BLE_1M    | Ant1    | 2480            | 0.42         | 0.63        | 66.67          | 1.76                  |
| BLE_2M    | Ant1    | 2402            | 0.42         | 0.63        | 66.67          | 1.76                  |
| BLE_2M    | Ant1    | 2440            | 0.42         | 0.63        | 66.67          | 1.76                  |
| BLE_2M    | Ant1    | 2480            | 0.42         | 0.63        | 66.67          | 1.76                  |

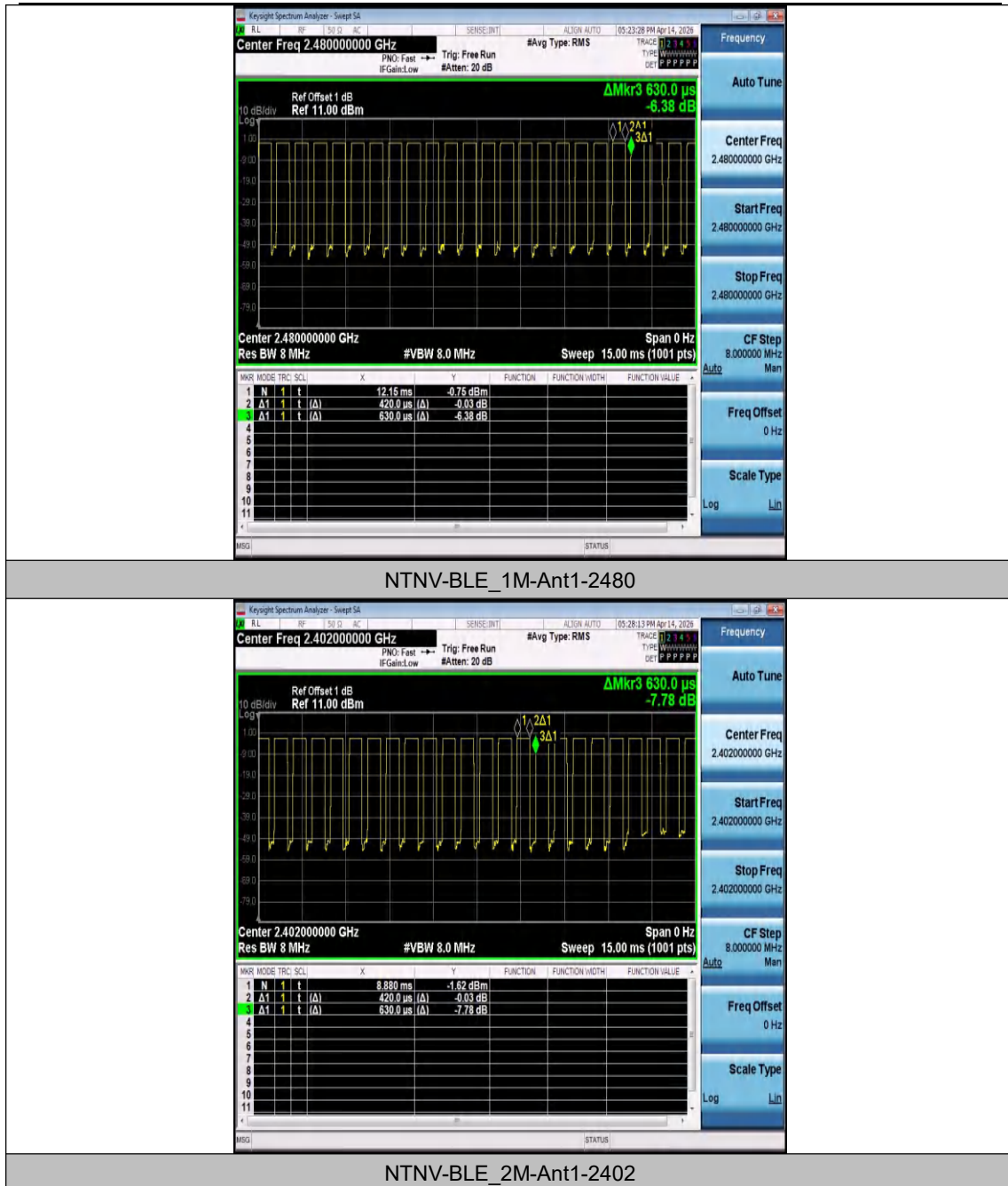
## Test Graphs

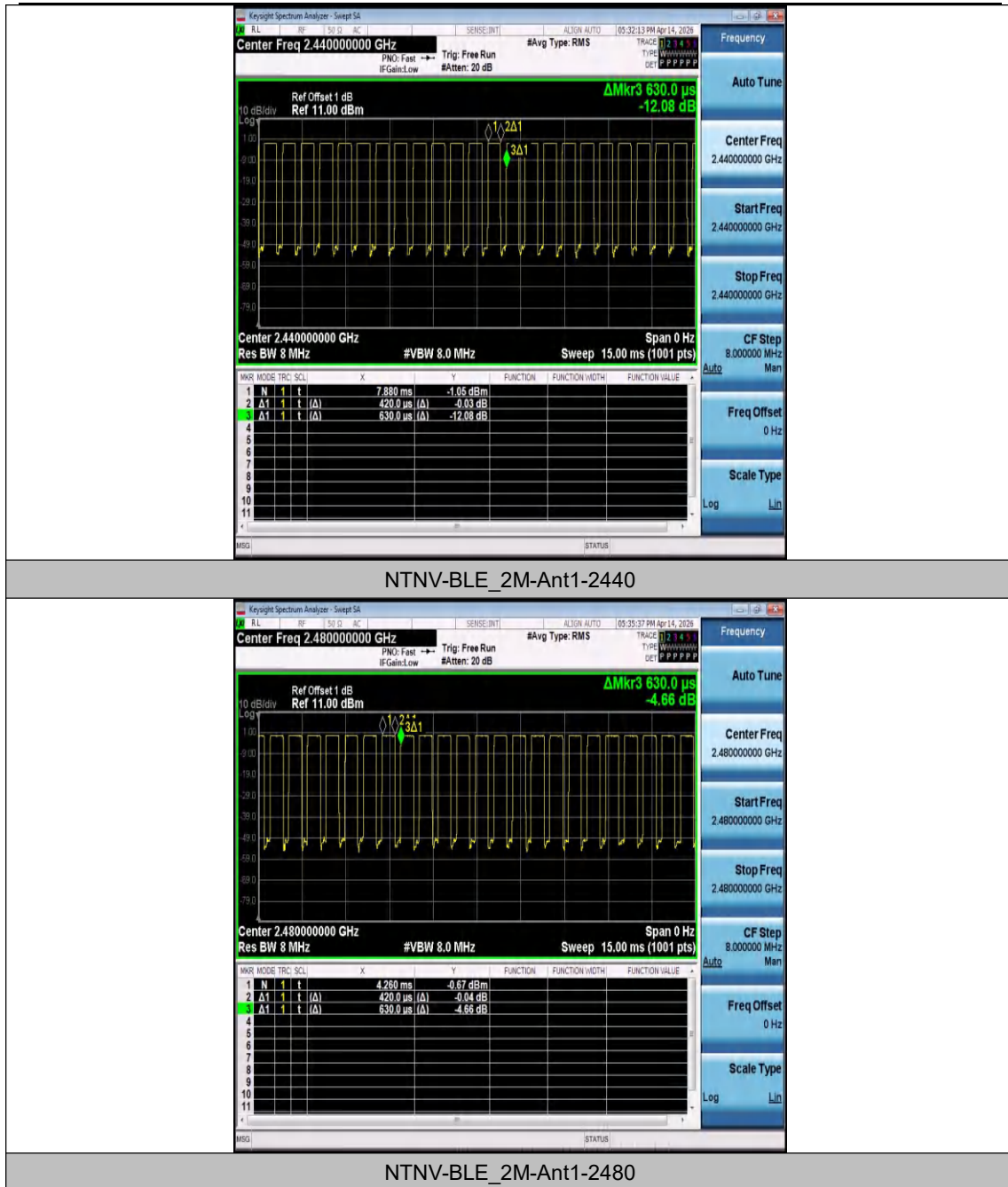


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