

## Appendix Test Data

|                  |                     |                    |             |
|------------------|---------------------|--------------------|-------------|
| Report No.:      | 1812C60219112501-01 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2026-4-21           | Finish Test Date:  | 2026-4-24   |
| Test Engineer:   | Huise Guan          | Auditor:           | Justin Feng |
| Temperature:     | 22.1°C              | Relative Humidity: | 68%         |
| 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           | 0.756        | 2401.596 | 2402.352 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2440           | 0.760        | 2439.612 | 2440.372 | 0.5        | PASS    |
| BLE_1M    | Ant1    | 2480           | 0.772        | 2479.592 | 2480.364 | 0.5        | PASS    |
| BLE_2M    | Ant1    | 2402           | 1.232        | 2401.360 | 2402.592 | 0.5        | PASS    |
| BLE_2M    | Ant1    | 2440           | 1.224        | 2439.360 | 2440.584 | 0.5        | PASS    |
| BLE_2M    | Ant1    | 2480           | 1.216        | 2479.360 | 2480.576 | 0.5        | PASS    |

## Test Graphs



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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           | 1.0670    | 2401.4652 | 2402.5322 | ---        | ---     |
| BLE_1M    | Ant1    | 2440           | 1.1078    | 2439.4416 | 2440.5494 | ---        | ---     |
| BLE_1M    | Ant1    | 2480           | 1.0953    | 2479.4496 | 2480.5449 | ---        | ---     |
| BLE_2M    | Ant1    | 2402           | 2.1791    | 2400.9038 | 2403.0829 | ---        | ---     |
| BLE_2M    | Ant1    | 2440           | 2.2662    | 2438.8897 | 2441.1559 | ---        | ---     |
| BLE_2M    | Ant1    | 2480           | 2.2269    | 2478.8974 | 2481.1243 | ---        | ---     |

## Test Graphs



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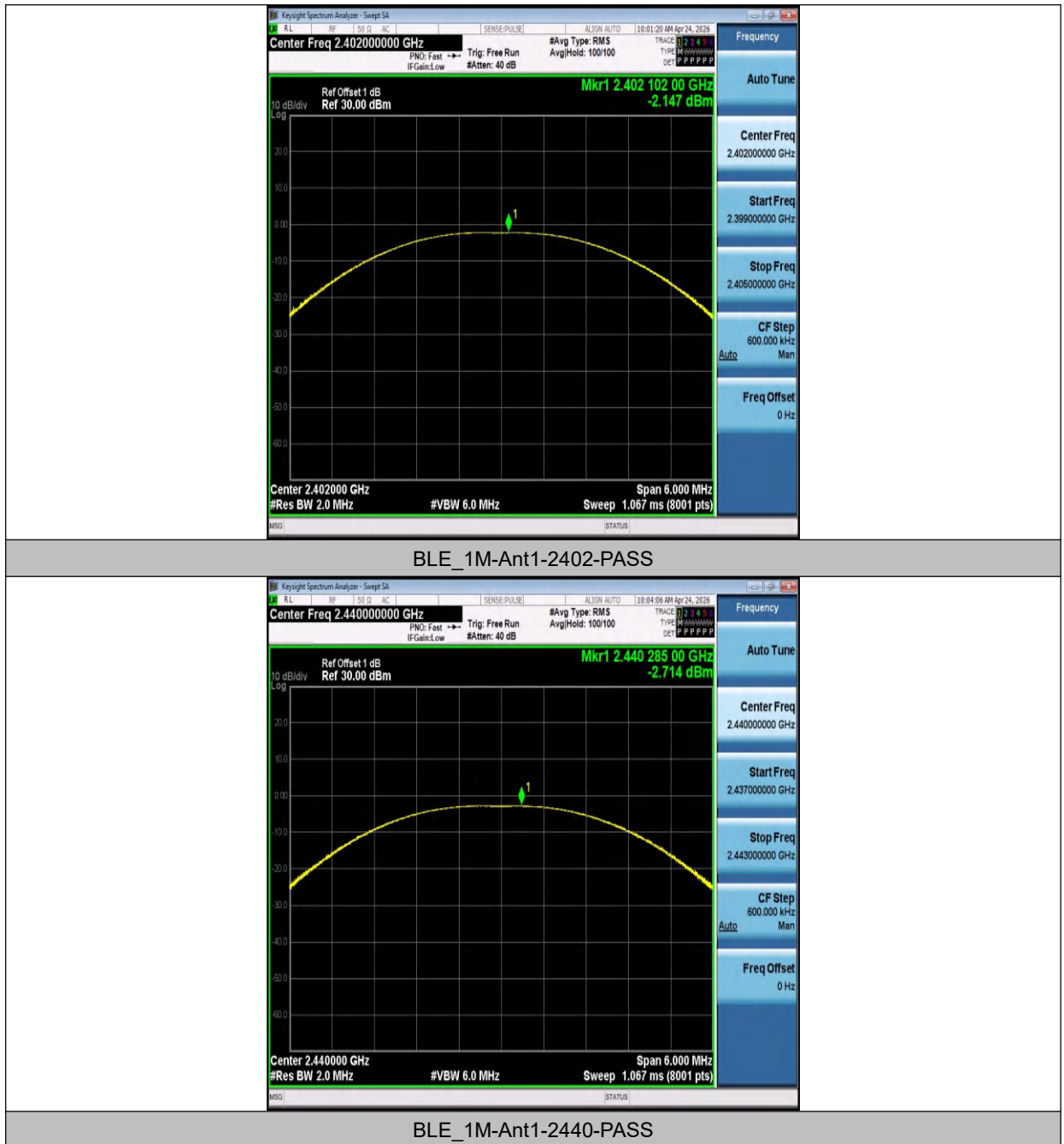
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## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency [MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|-----------------|---------------------------|----------------------|---------|
| BLE_1M    | Ant1    | 2402            | <b>-2.15</b>              | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2440            | -2.71                     | ≤30                  | PASS    |
| BLE_1M    | Ant1    | 2480            | -3.45                     | ≤30                  | PASS    |
| BLE_2M    | Ant1    | 2402            | <b>-2.15</b>              | ≤30                  | PASS    |
| BLE_2M    | Ant1    | 2440            | -2.73                     | ≤30                  | PASS    |
| BLE_2M    | Ant1    | 2480            | -3.43                     | ≤30                  | PASS    |

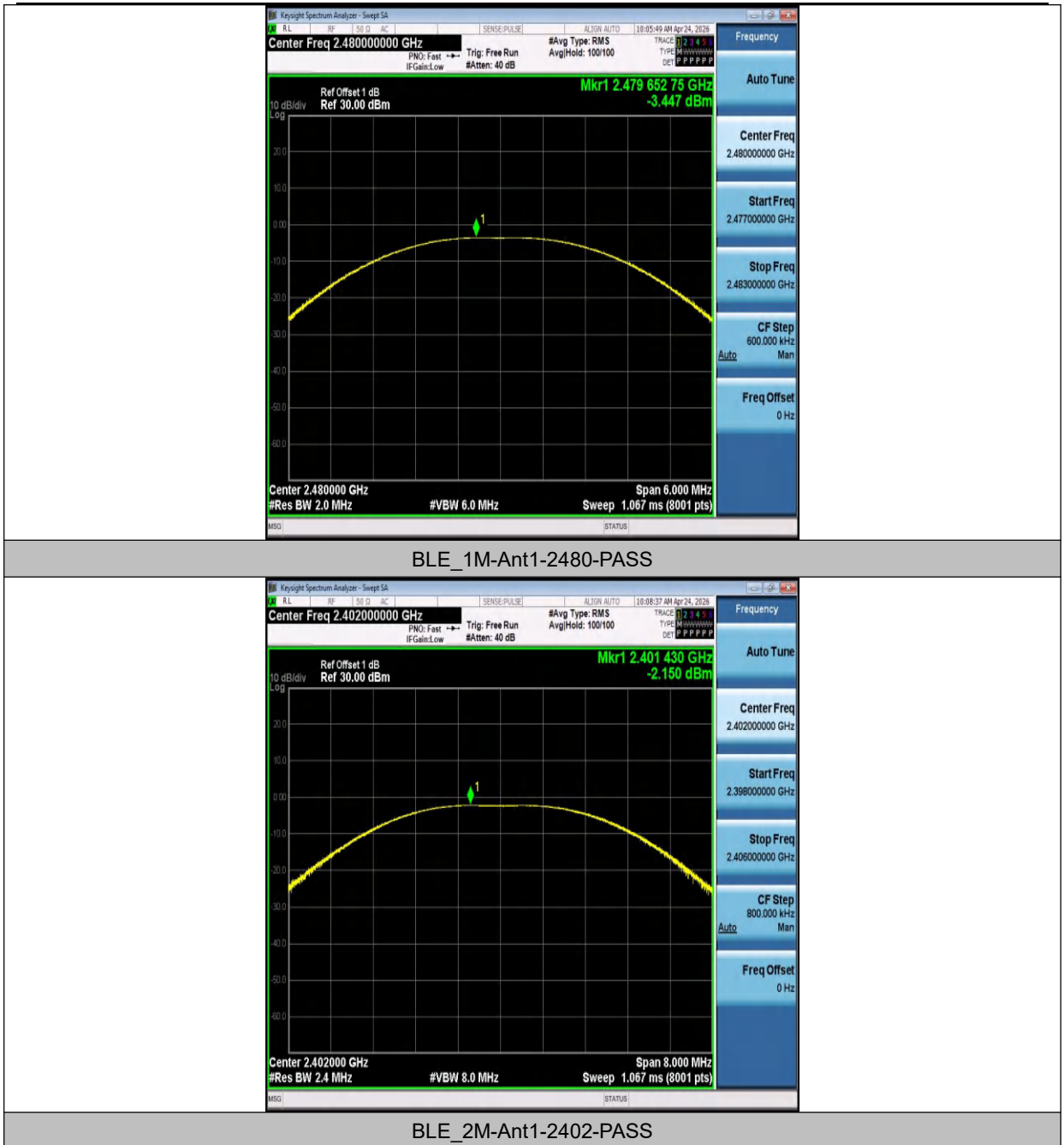
## Test Graphs Peak



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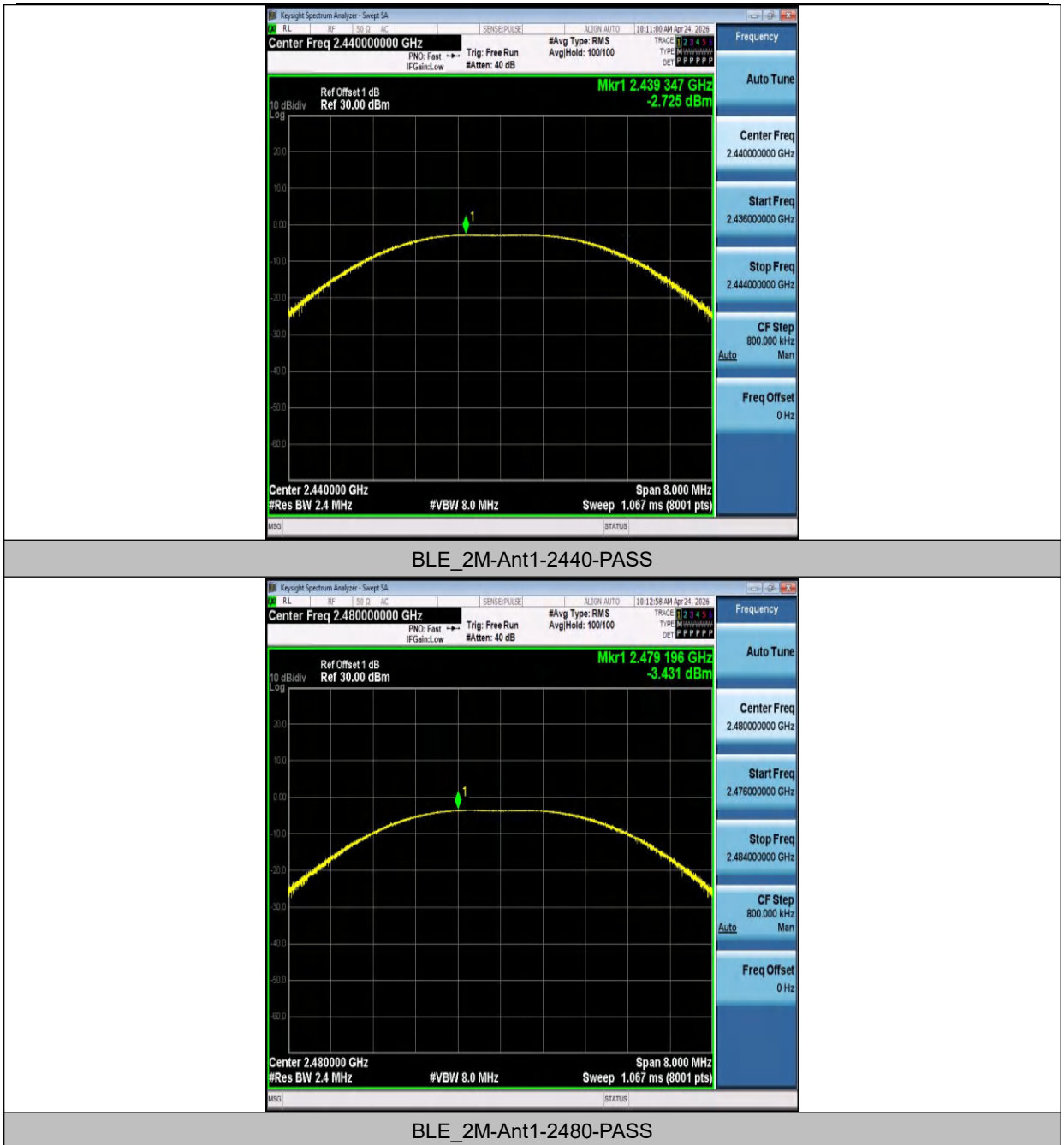
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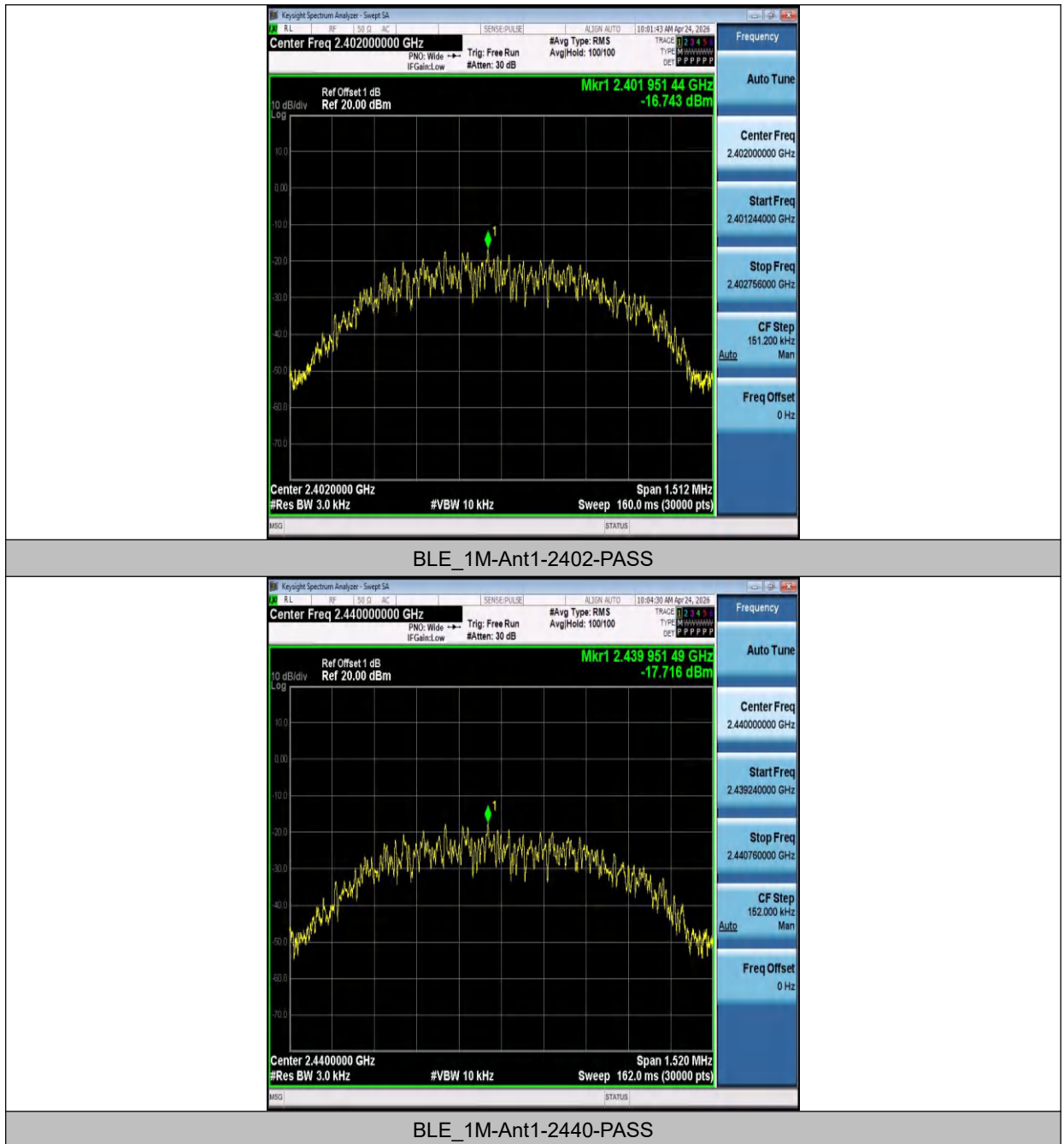
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## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -16.74           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -17.72           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -18.39           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2402           | -15.66           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2440           | -16.30           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2480           | -16.98           | ≤8.00           | PASS    |

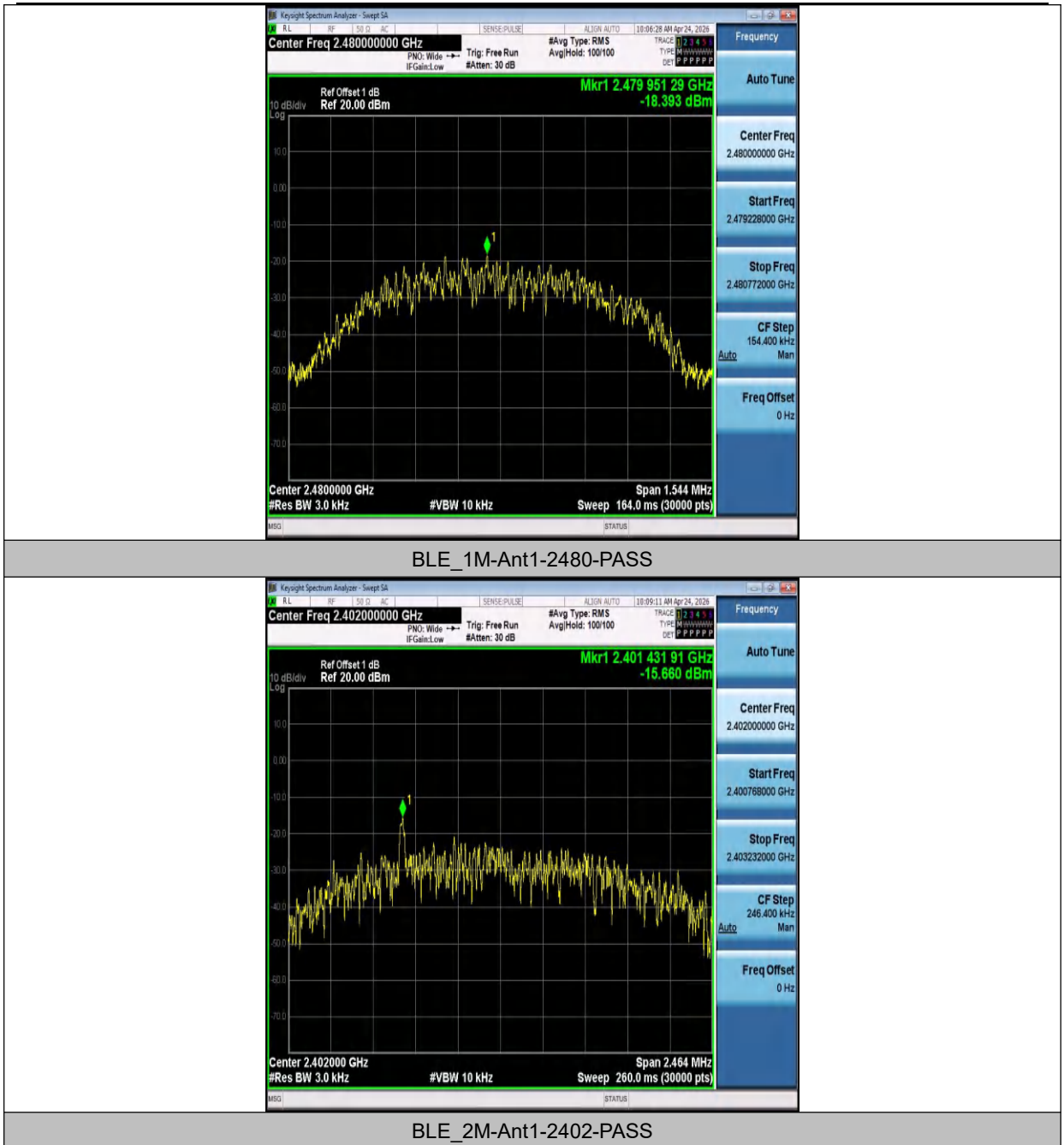
## Test Graphs



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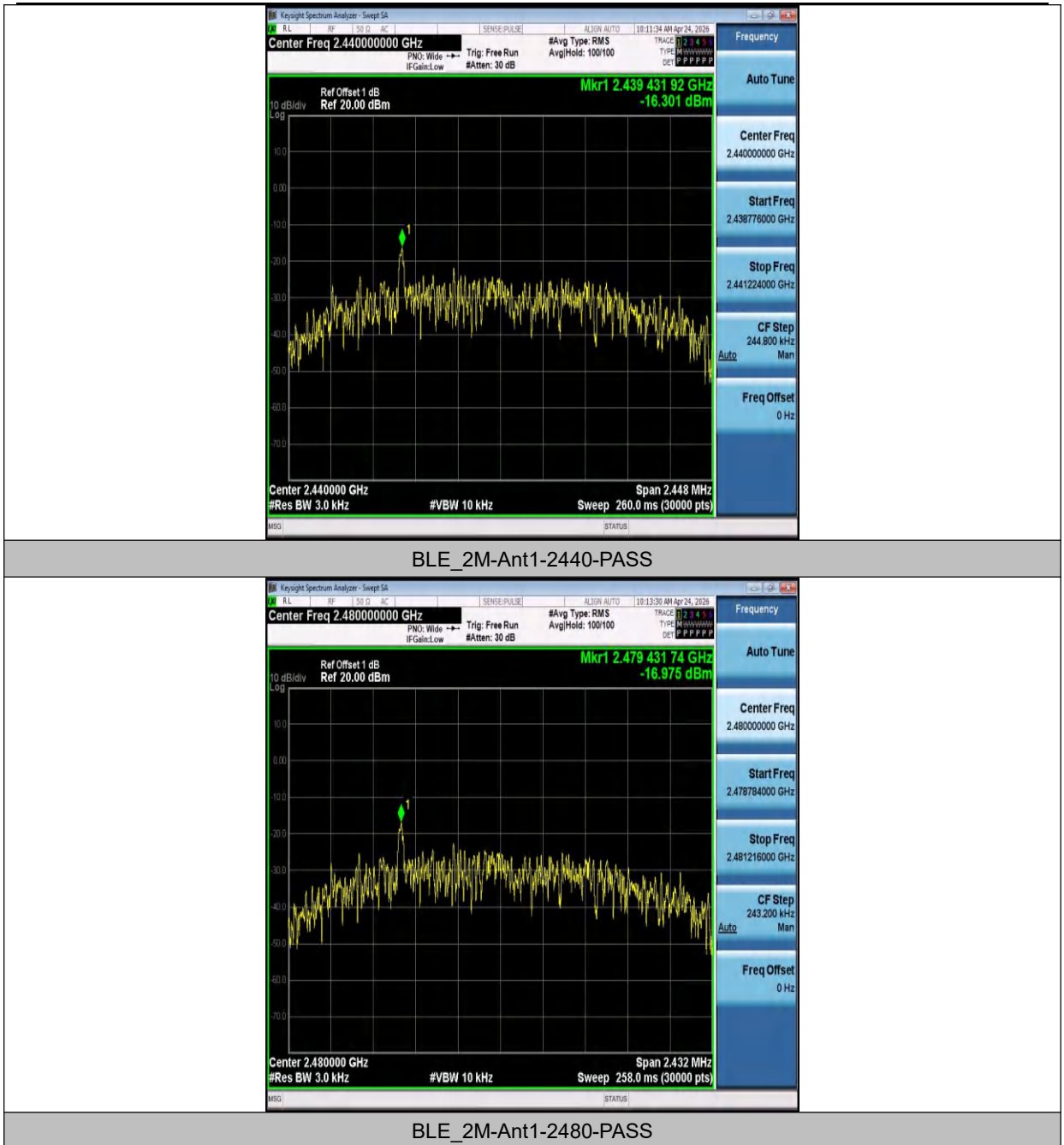
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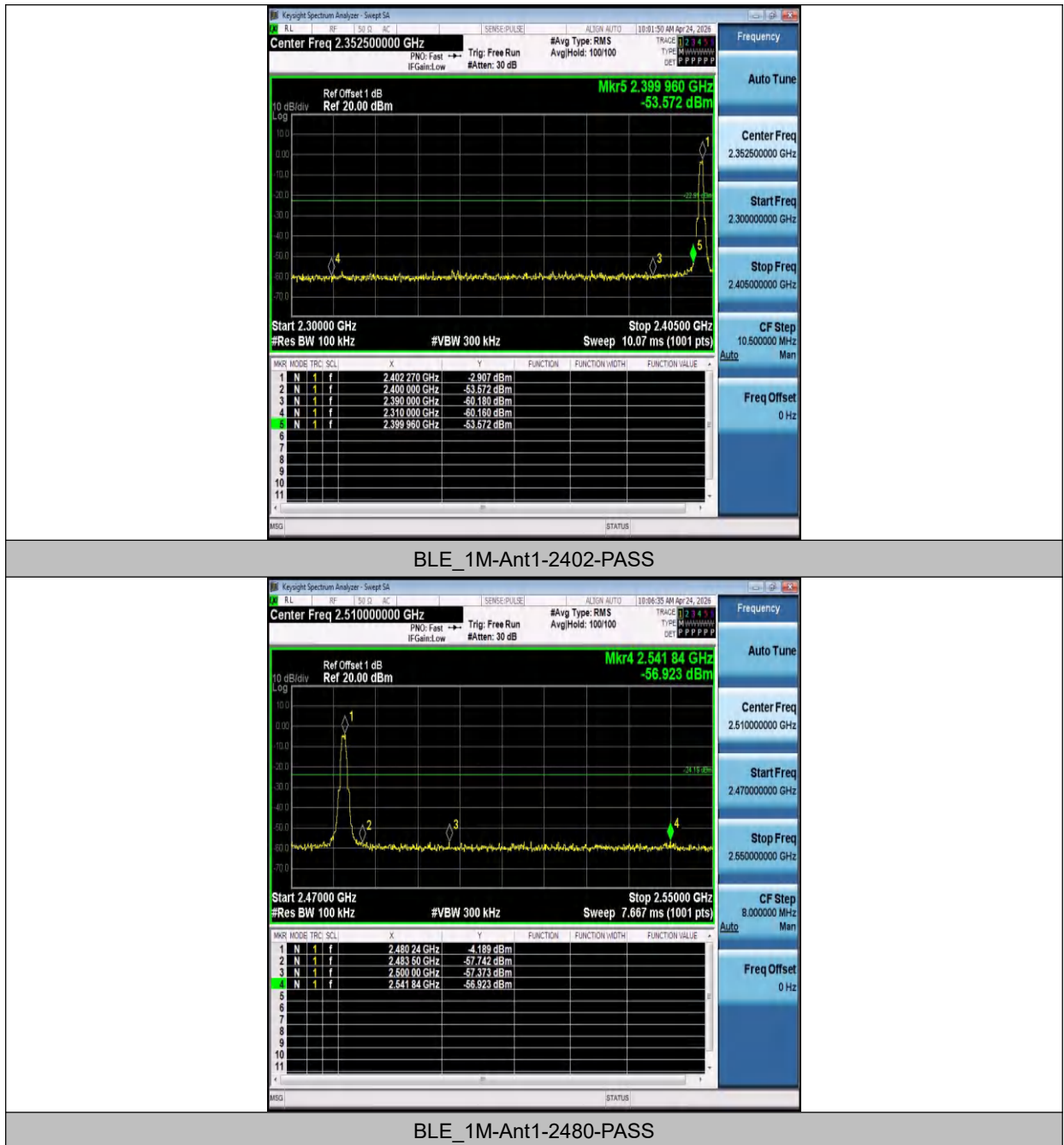
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## Appendix E: Band edge measurements

### Test Result

| Test Mode | Antenna | ChName | Frequency [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------|-----------------|----------------|--------------|-------------|---------|
| BLE_1M    | Ant1    | Low    | 2402            | -2.91          | -53.57       | ≤-22.91     | PASS    |
| BLE_1M    | Ant1    | High   | 2480            | -4.19          | -56.92       | ≤-24.19     | PASS    |
| BLE_2M    | Ant1    | Low    | 2402            | -2.33          | -30.69       | ≤-22.33     | PASS    |
| BLE_2M    | Ant1    | High   | 2480            | -3.65          | -56.77       | ≤-23.65     | PASS    |

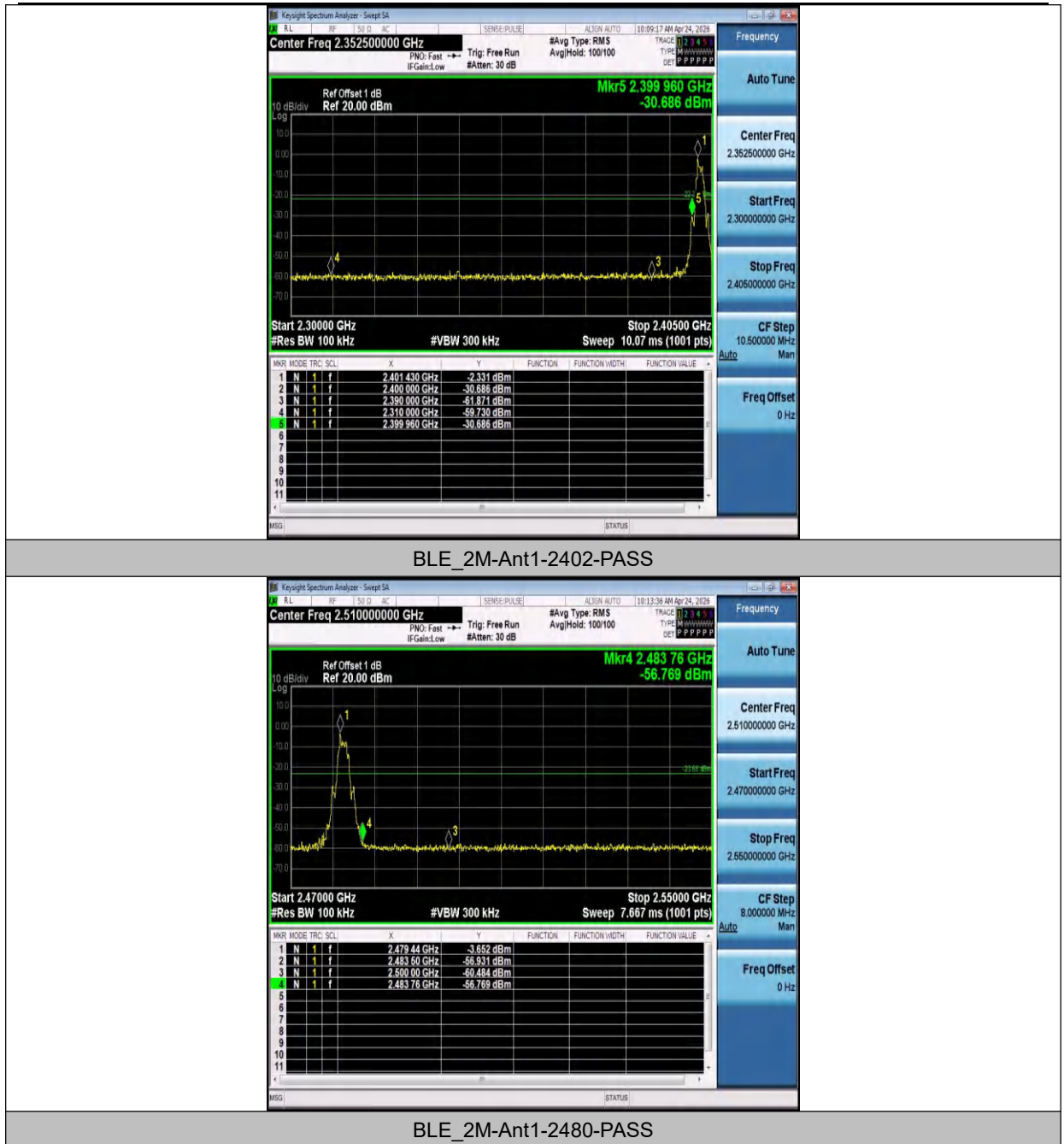
## Test Graphs



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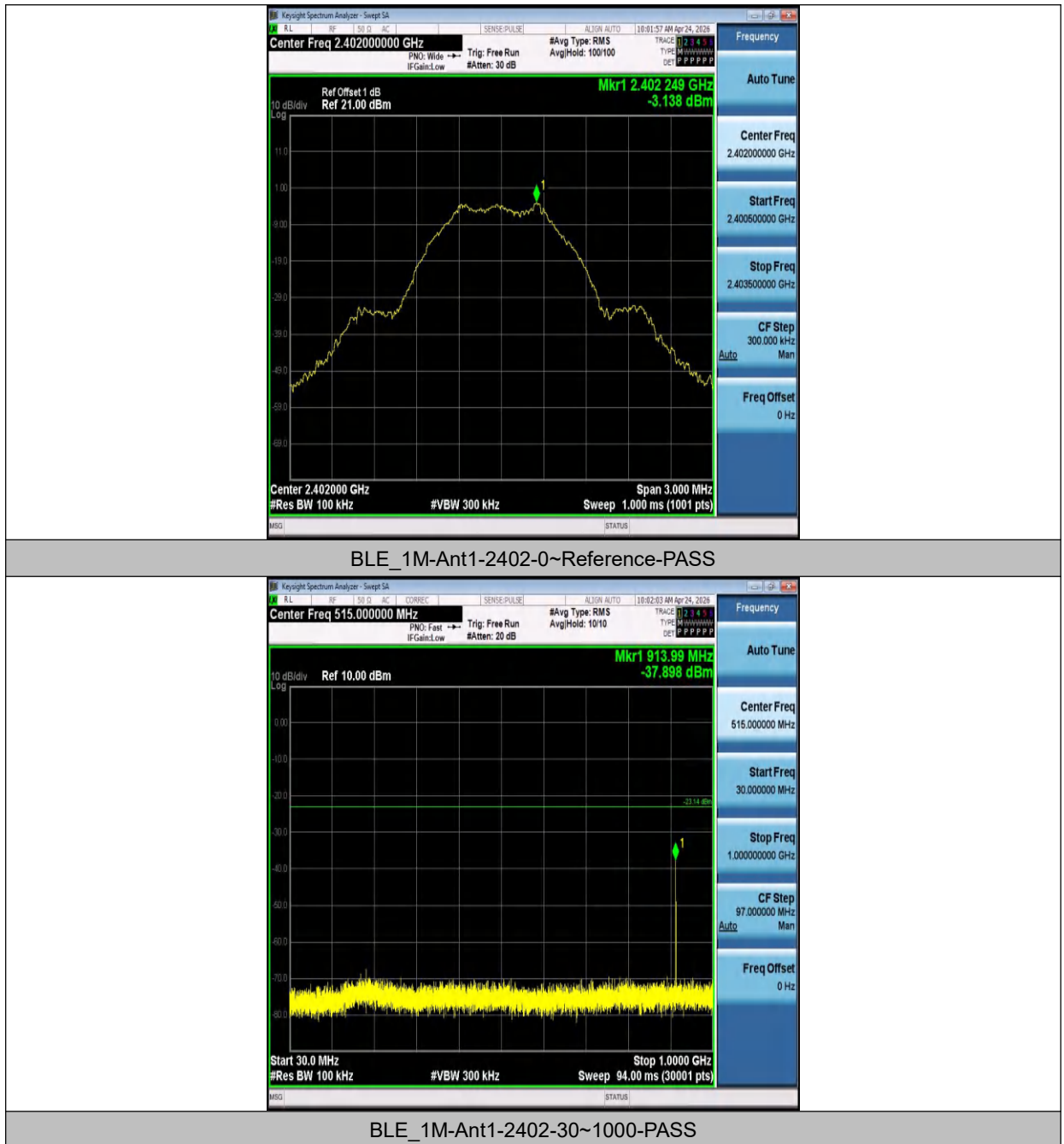
## Appendix F: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Frequency [MHz] | Freq. Range [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------------|-------------------|------------------|--------------|-------------|---------|
| BLE_1M    | Ant1    | 2402            | 0~Reference       | -3.14            | -3.14        | ---         | PASS    |
| BLE_1M    | Ant1    | 2402            | 30~1000           | -3.14            | -37.9        | ≤-23.14     | PASS    |
| BLE_1M    | Ant1    | 2402            | 1000~26500        | -3.14            | -28.54       | ≤-23.14     | PASS    |
| BLE_1M    | Ant1    | 2440            | 0~Reference       | -3.80            | -3.80        | ---         | PASS    |
| BLE_1M    | Ant1    | 2440            | 30~1000           | -3.80            | -38.93       | ≤-23.8      | PASS    |
| BLE_1M    | Ant1    | 2440            | 1000~26500        | -3.80            | -30.33       | ≤-23.8      | PASS    |
| BLE_1M    | Ant1    | 2480            | 0~Reference       | -4.46            | -4.46        | ---         | PASS    |
| BLE_1M    | Ant1    | 2480            | 30~1000           | -4.46            | -37.4        | ≤-24.46     | PASS    |
| BLE_1M    | Ant1    | 2480            | 1000~26500        | -4.46            | -31.91       | ≤-24.46     | PASS    |
| BLE_2M    | Ant1    | 2402            | 0~Reference       | -2.35            | -2.35        | ---         | PASS    |
| BLE_2M    | Ant1    | 2402            | 30~1000           | -2.35            | -33.88       | ≤-22.35     | PASS    |
| BLE_2M    | Ant1    | 2402            | 1000~26500        | -2.35            | -27.91       | ≤-22.35     | PASS    |
| BLE_2M    | Ant1    | 2440            | 0~Reference       | -2.95            | -2.95        | ---         | PASS    |
| BLE_2M    | Ant1    | 2440            | 30~1000           | -2.95            | -34.14       | ≤-22.95     | PASS    |
| BLE_2M    | Ant1    | 2440            | 1000~26500        | -2.95            | -29.54       | ≤-22.95     | PASS    |
| BLE_2M    | Ant1    | 2480            | 0~Reference       | -3.69            | -3.69        | ---         | PASS    |
| BLE_2M    | Ant1    | 2480            | 30~1000           | -3.69            | -40.71       | ≤-23.69     | PASS    |
| BLE_2M    | Ant1    | 2480            | 1000~26500        | -3.69            | -30.73       | ≤-23.69     | 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.

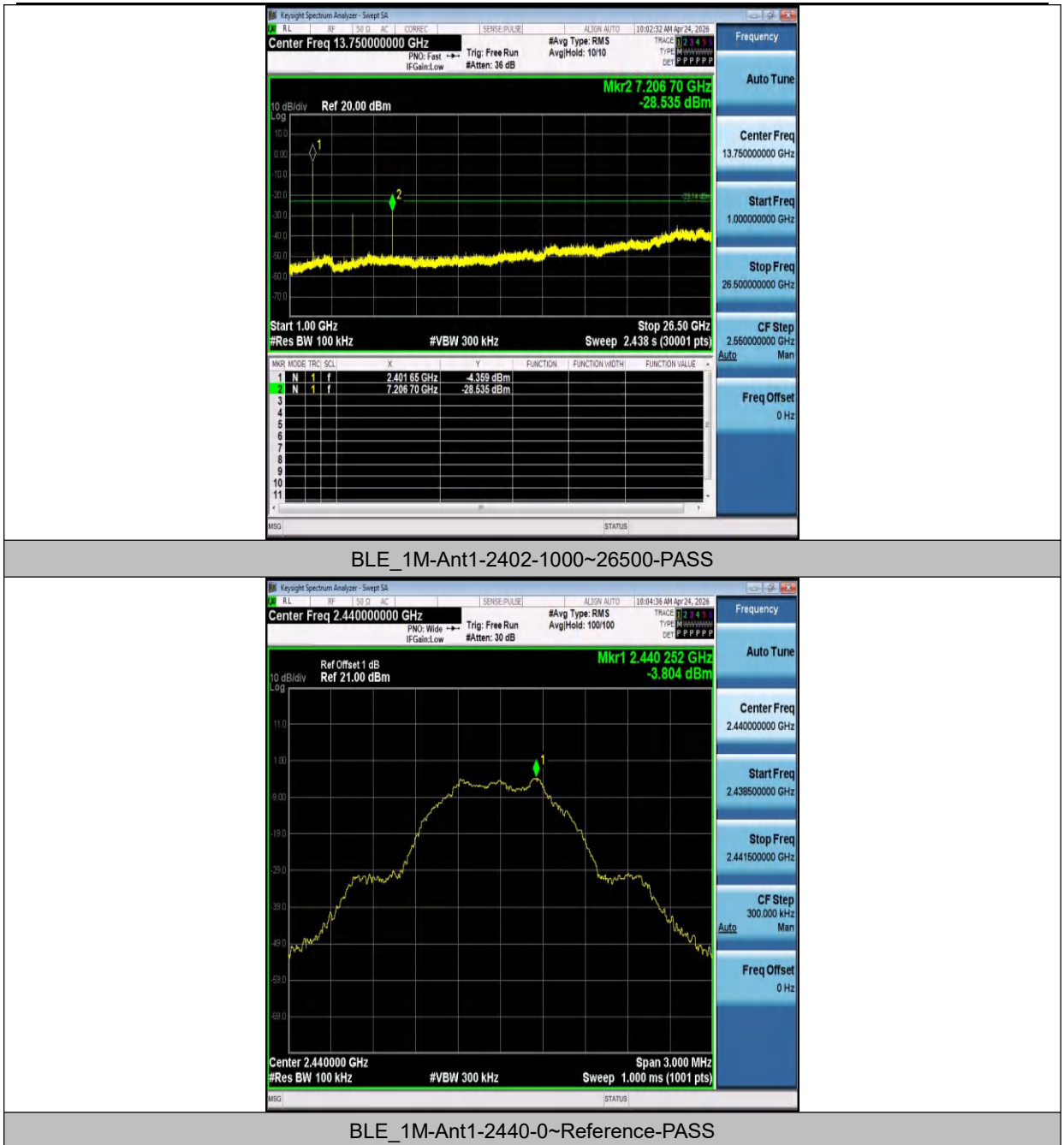
## Test Graphs



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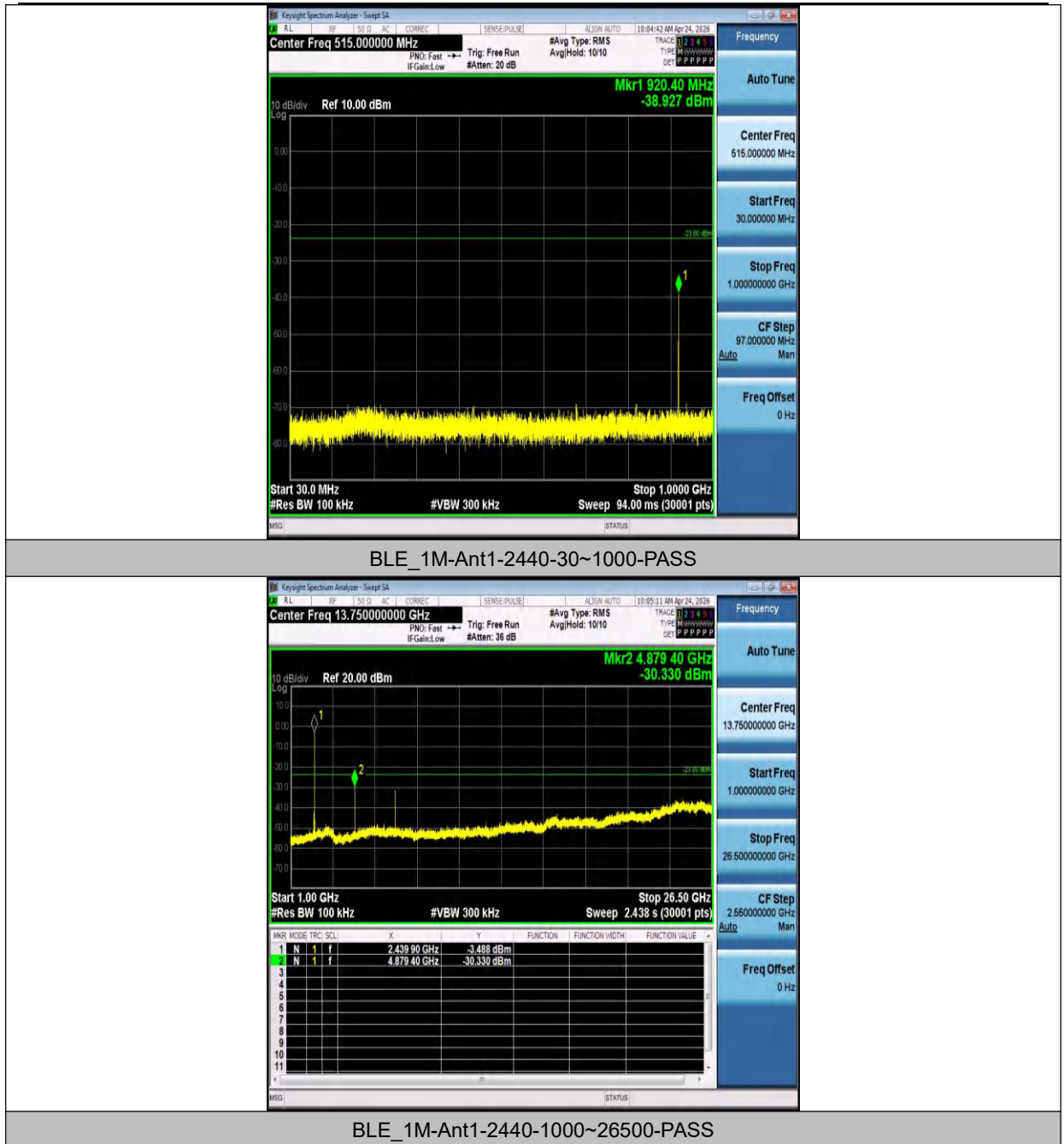
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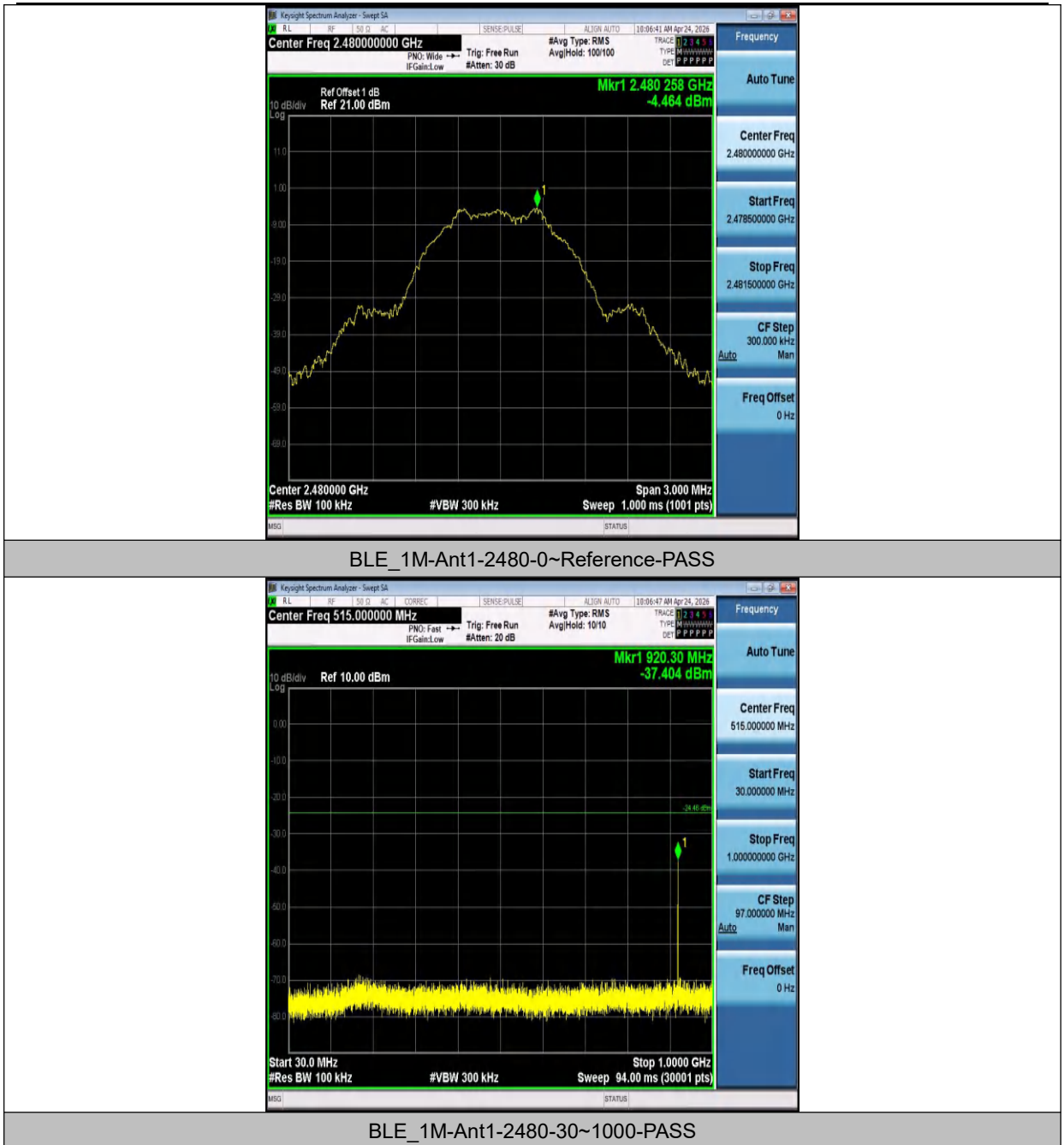
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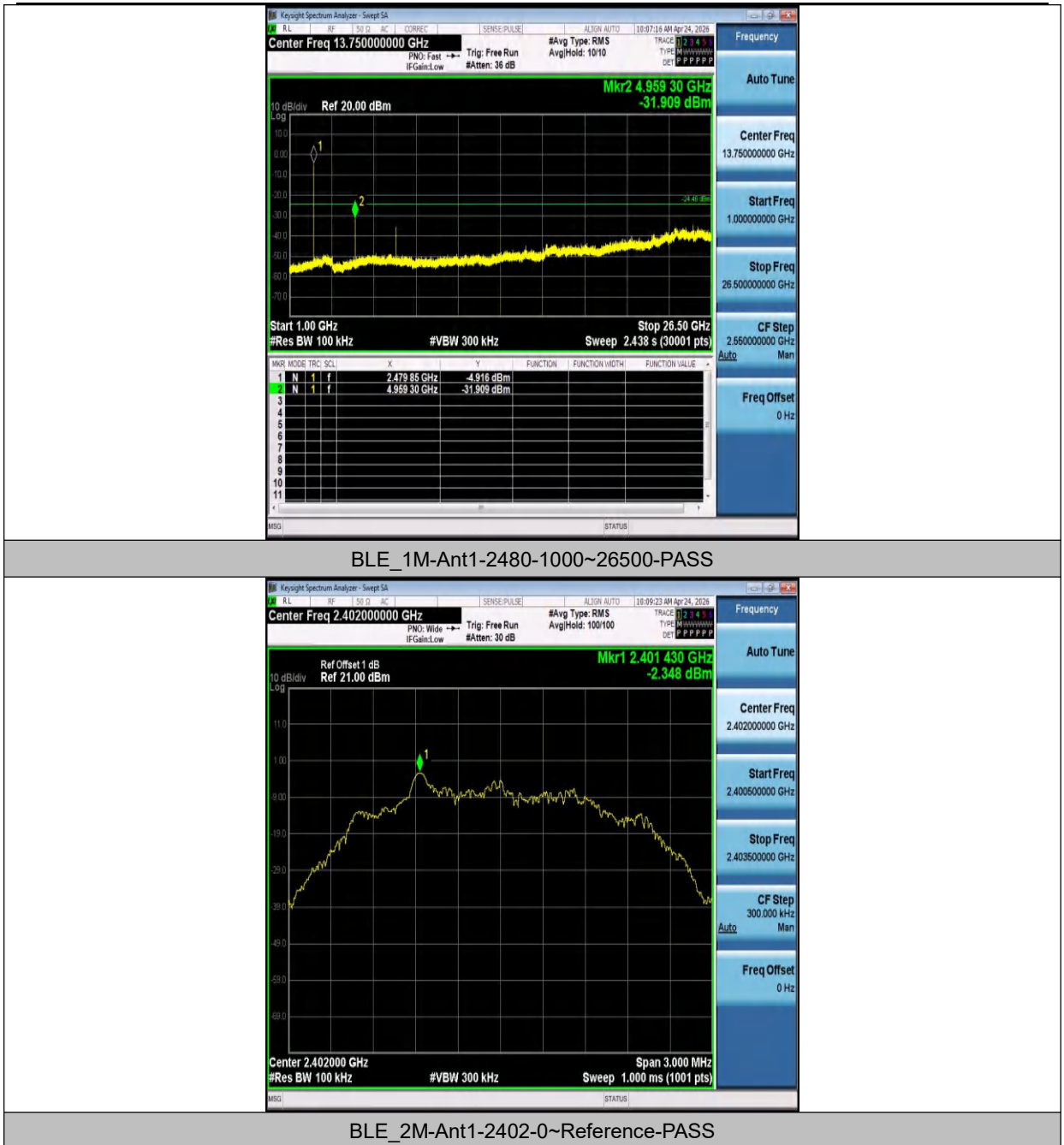
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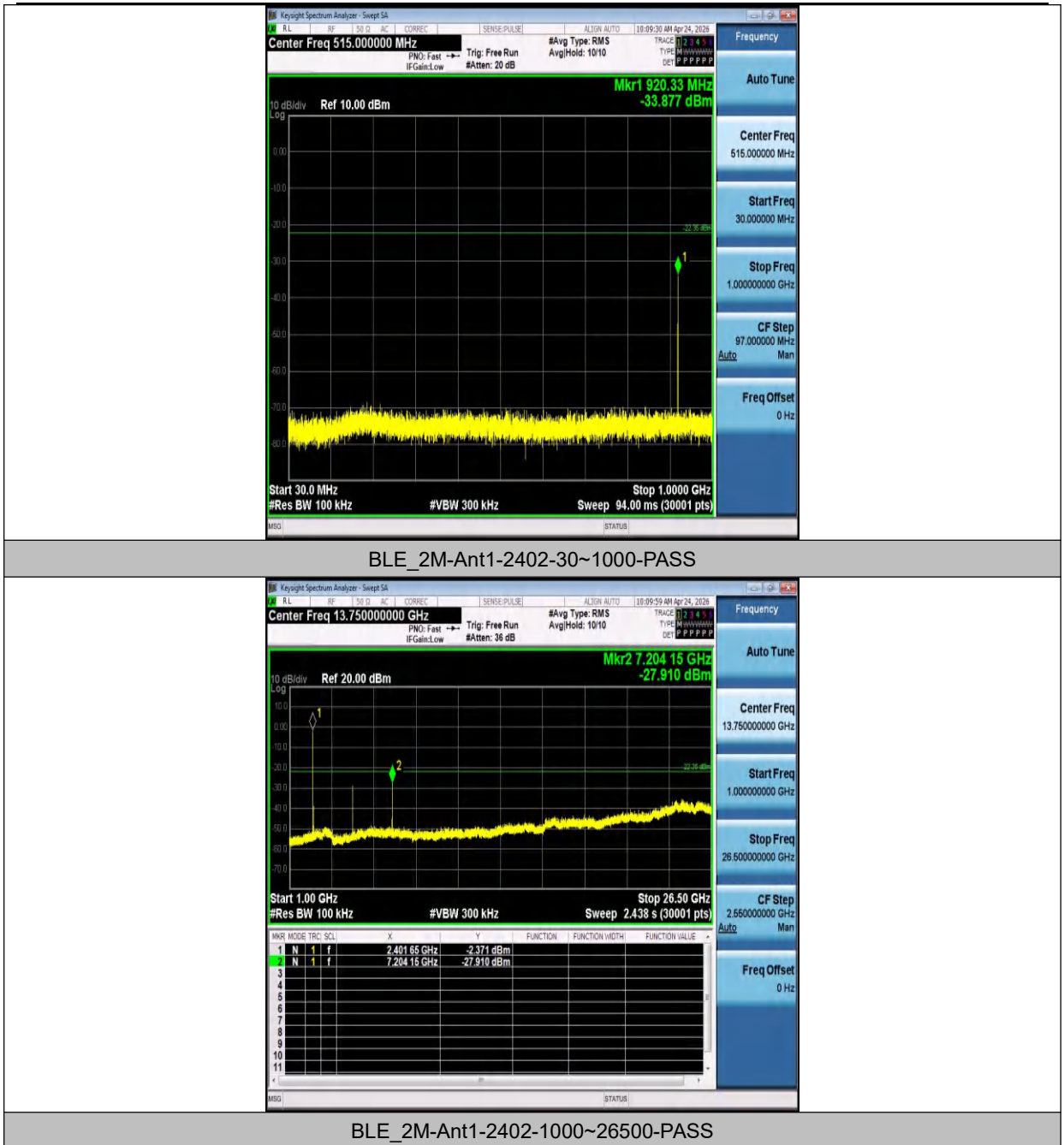
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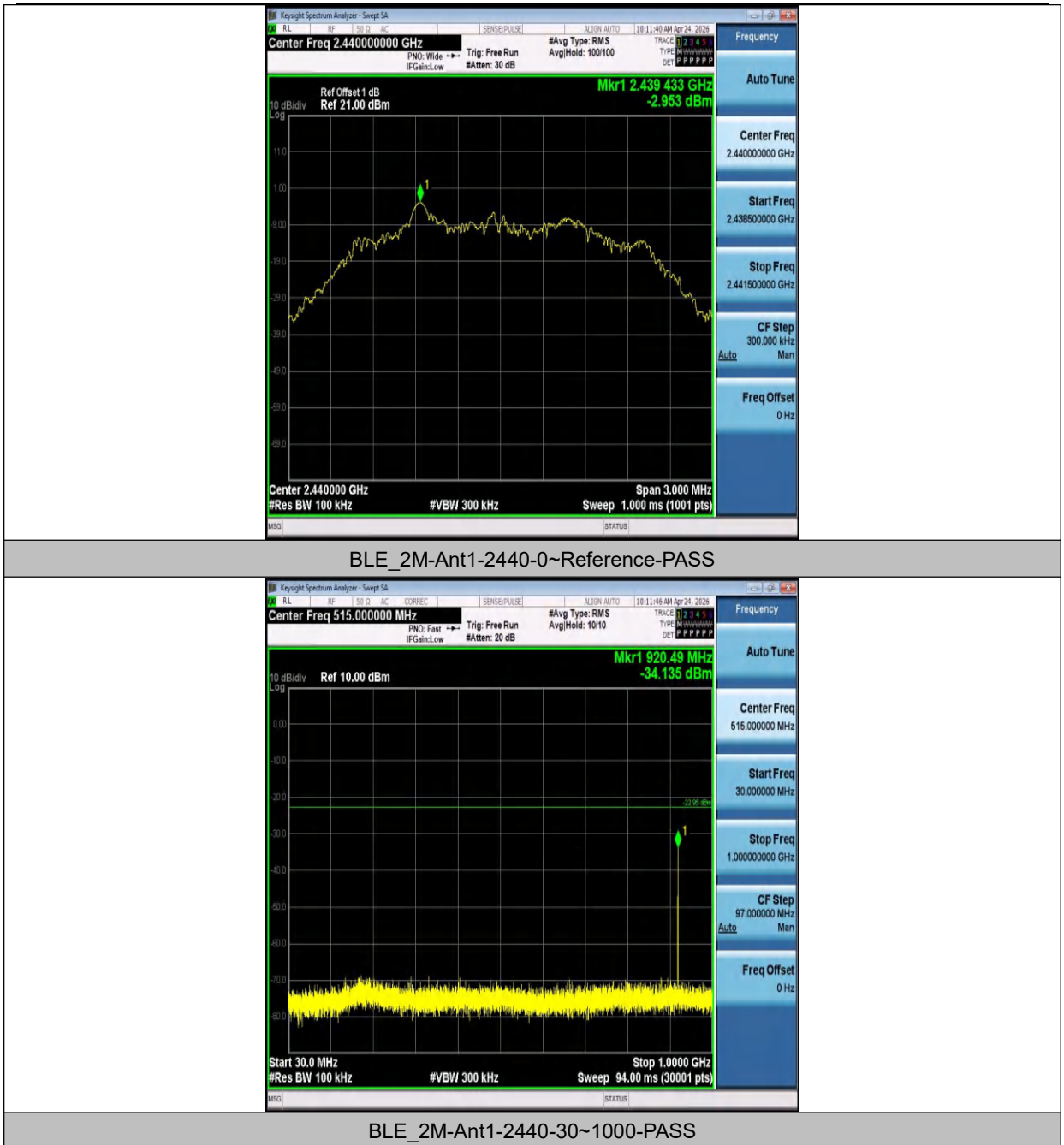
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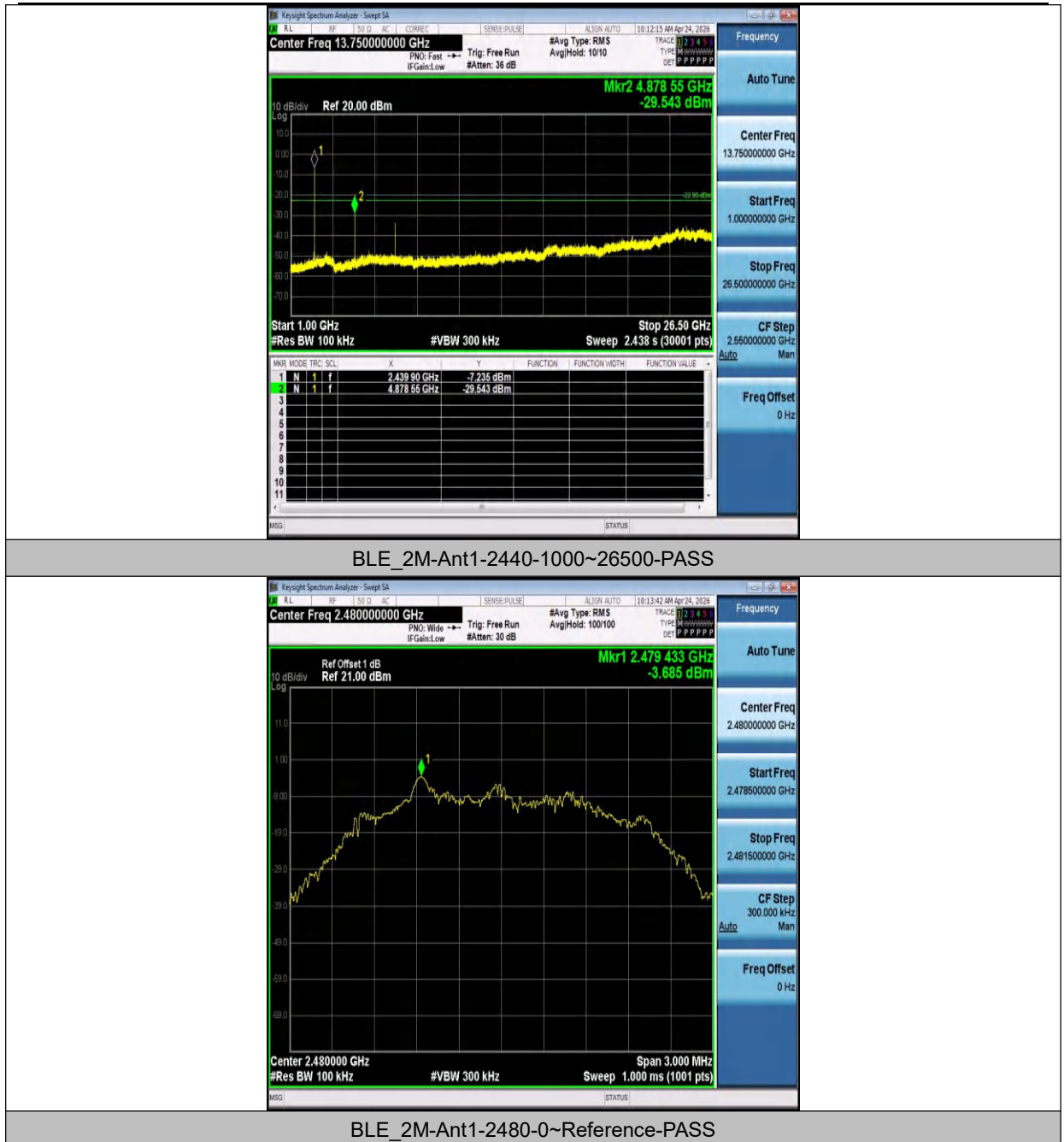
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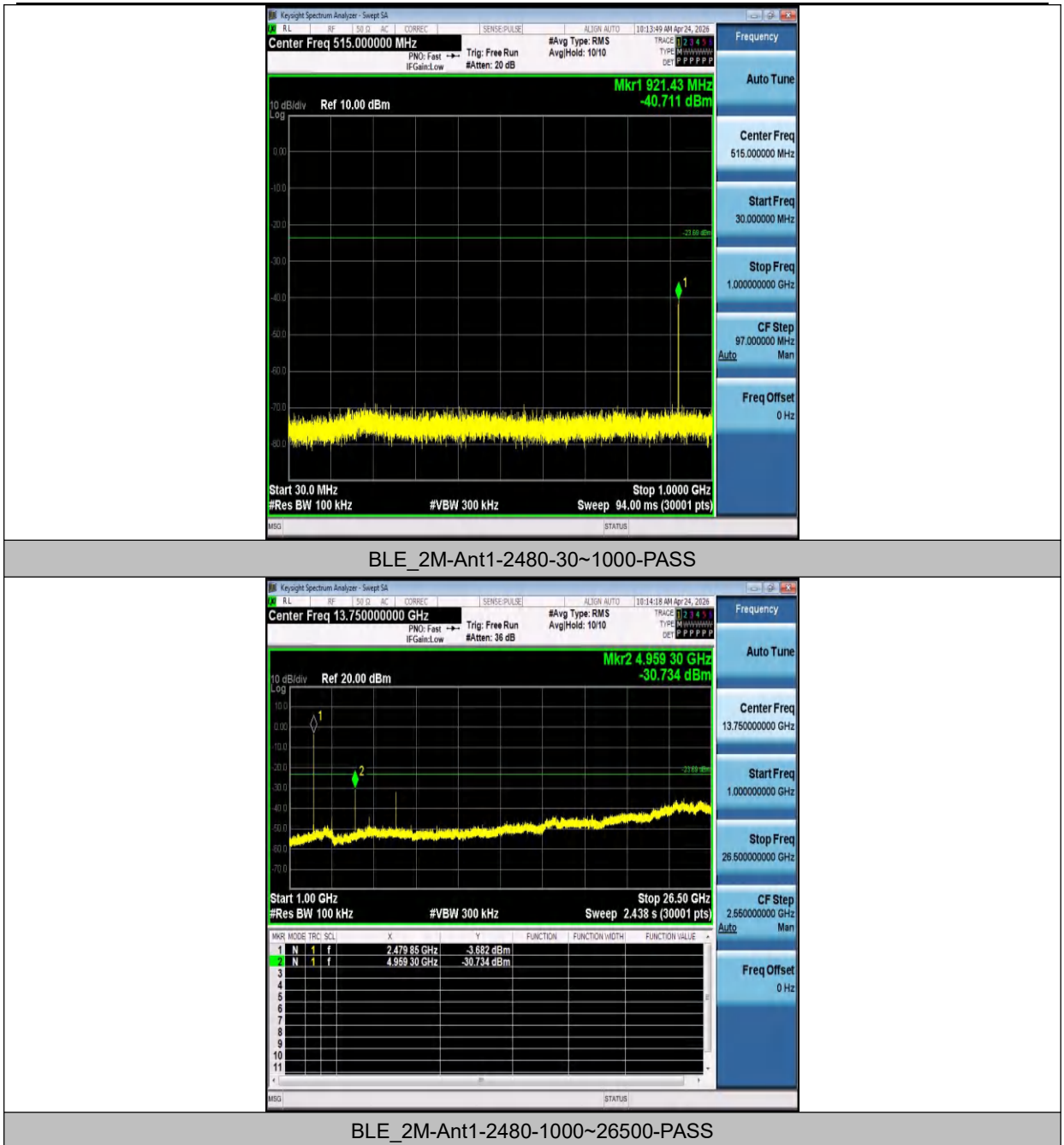
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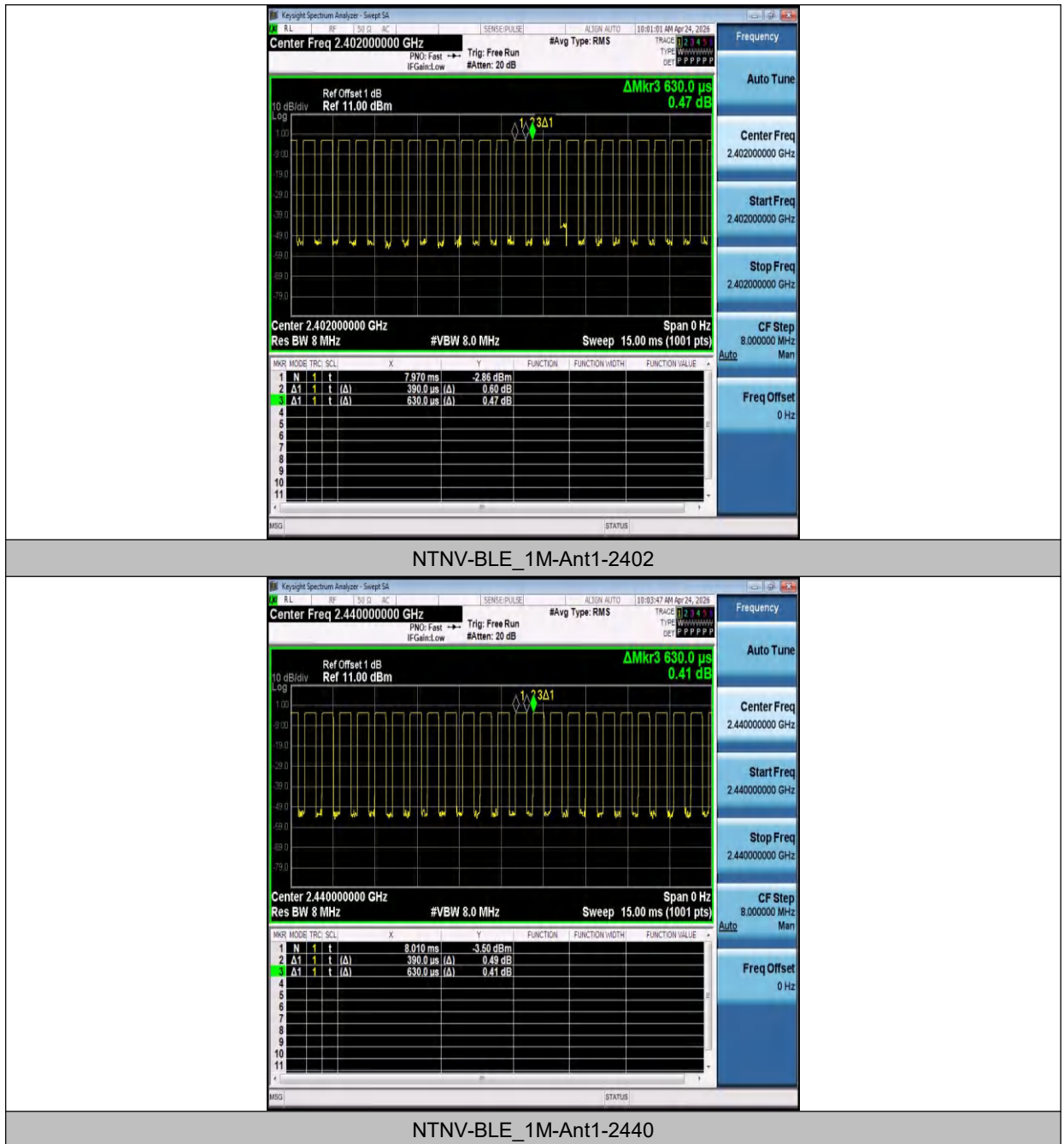
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## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency<br>[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>Factor[dB] |
|-----------|---------|--------------------|-----------------|----------------|-------------------|--------------------------|
| BLE_1M    | Ant1    | 2402               | 0.39            | 0.63           | 61.90             | 2.08                     |
| BLE_1M    | Ant1    | 2440               | 0.39            | 0.63           | 61.90             | 2.08                     |
| BLE_1M    | Ant1    | 2480               | 0.37            | 0.61           | 60.66             | 2.17                     |
| BLE_2M    | Ant1    | 2402               | 0.24            | 0.63           | 38.10             | 4.19                     |
| BLE_2M    | Ant1    | 2440               | 0.24            | 0.63           | 38.10             | 4.19                     |
| BLE_2M    | Ant1    | 2480               | 0.24            | 0.63           | 38.10             | 4.19                     |

## Test Graphs



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