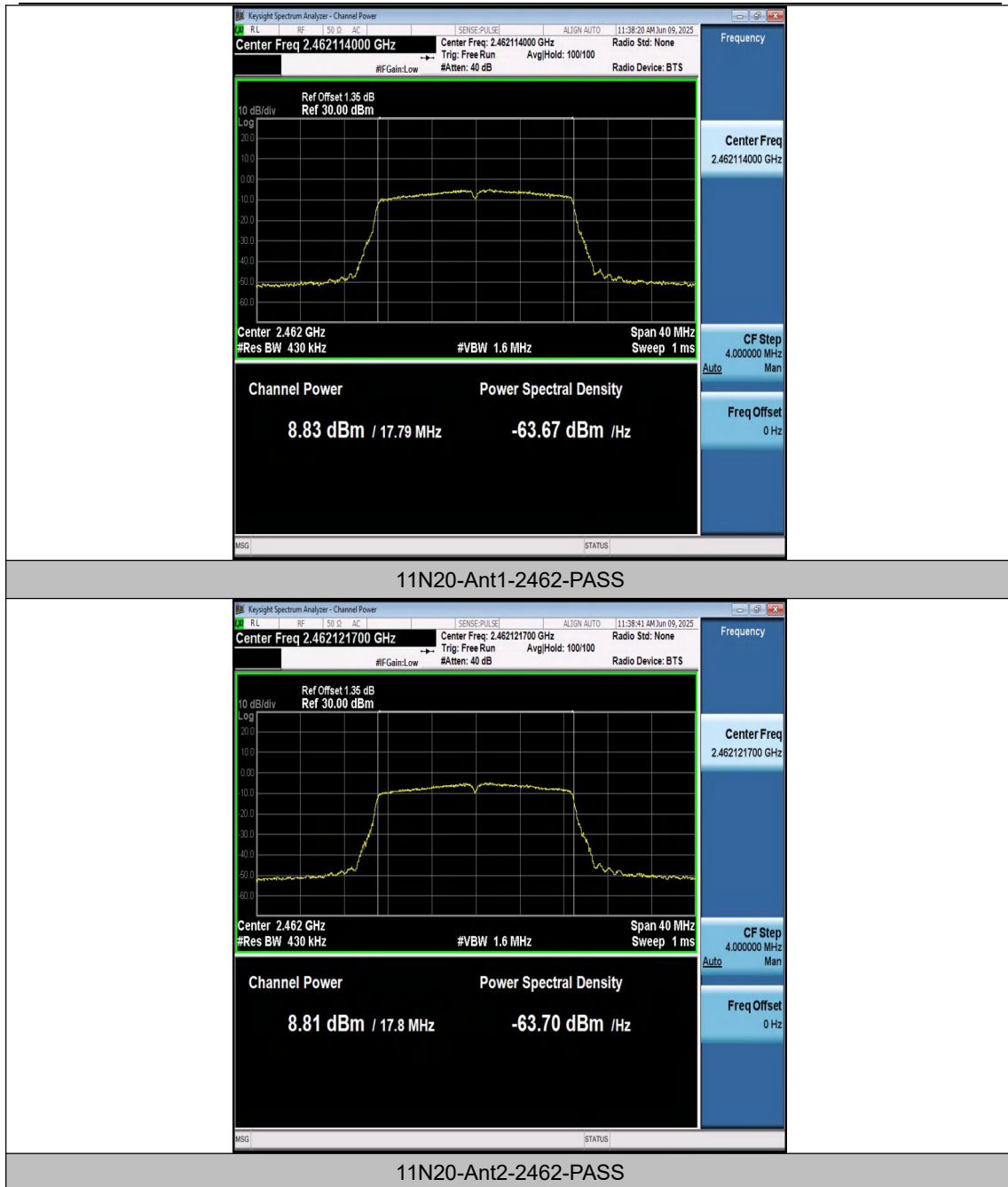




## Appendix D: Maximum power spectral density

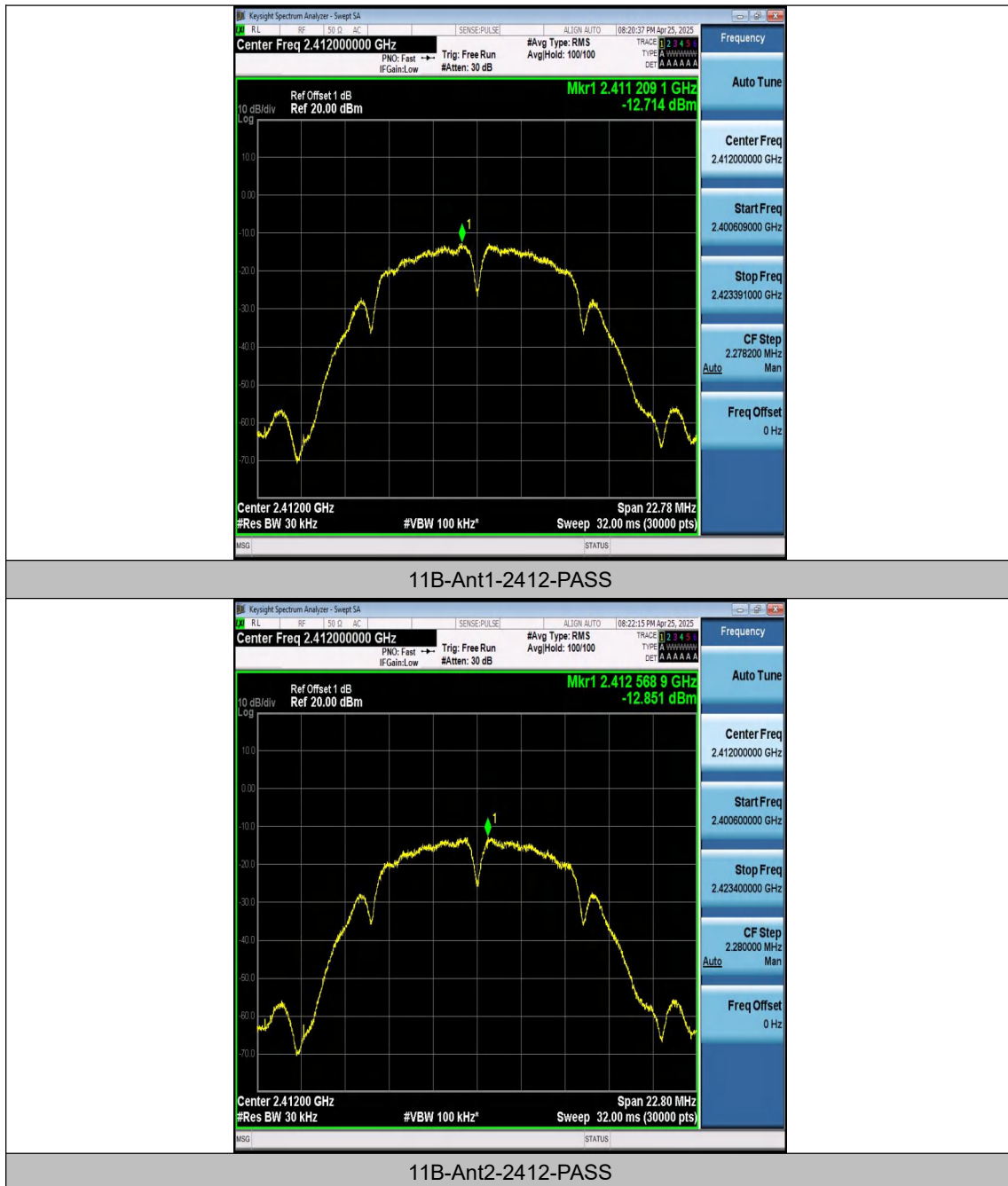
### Test Result

| Test Mode | Antenna | Frequency [MHz] | Result[dBm/30kHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|-----------------|-------------------|------------------|-----------------|---------|
| 11B       | Ant1    | 2412            | -12.71            | -22.71           | ≤8.00           | PASS    |
| 11B       | Ant2    | 2412            | -12.85            | -22.85           | ≤8.00           | PASS    |
| 11B       | Ant1    | 2437            | -12.51            | -22.51           | ≤8.00           | PASS    |
| 11B       | Ant2    | 2437            | -12.91            | -22.91           | ≤8.00           | PASS    |
| 11B       | Ant1    | 2462            | -11.99            | -21.99           | ≤8.00           | PASS    |
| 11B       | Ant2    | 2462            | -11.80            | -21.8            | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412            | -14.62            | -24.62           | ≤8.00           | PASS    |
| 11G       | Ant2    | 2412            | -14.67            | -24.67           | ≤8.00           | PASS    |
| 11G       | Ant2    | 2437            | -14.21            | -24.21           | ≤8.00           | PASS    |
| 11G       | Ant1    | 2437            | -14.46            | -24.46           | ≤8.00           | PASS    |
| 11G       | Ant1    | 2462            | -13.71            | -23.71           | ≤8.00           | PASS    |
| 11G       | Ant2    | 2462            | -13.39            | -23.39           | ≤8.00           | PASS    |
| 11N20     | Ant1    | 2412            | -15.48            | -25.48           | ≤8.00           | PASS    |
| 11N20     | Ant2    | 2412            | -15.38            | -25.38           | ≤8.00           | PASS    |
| 11N20     | Ant1    | 2437            | -14.88            | -24.88           | ≤8.00           | PASS    |
| 11N20     | Ant2    | 2437            | -15.17            | -25.17           | ≤8.00           | PASS    |
| 11N20     | Ant1    | 2462            | -14.57            | -24.57           | ≤8.00           | PASS    |
| 11N20     | Ant2    | 2462            | -14.48            | -24.48           | ≤8.00           | PASS    |

#### Note:

1. The Duty Cycle Factor( $10 \cdot \log(1/D)$ ) and cable loss are compensated in the graph.
2.  $PSD(dBm/3kHz) = PSD(dBm/30kHz) - (10 \cdot \log(30/3))$

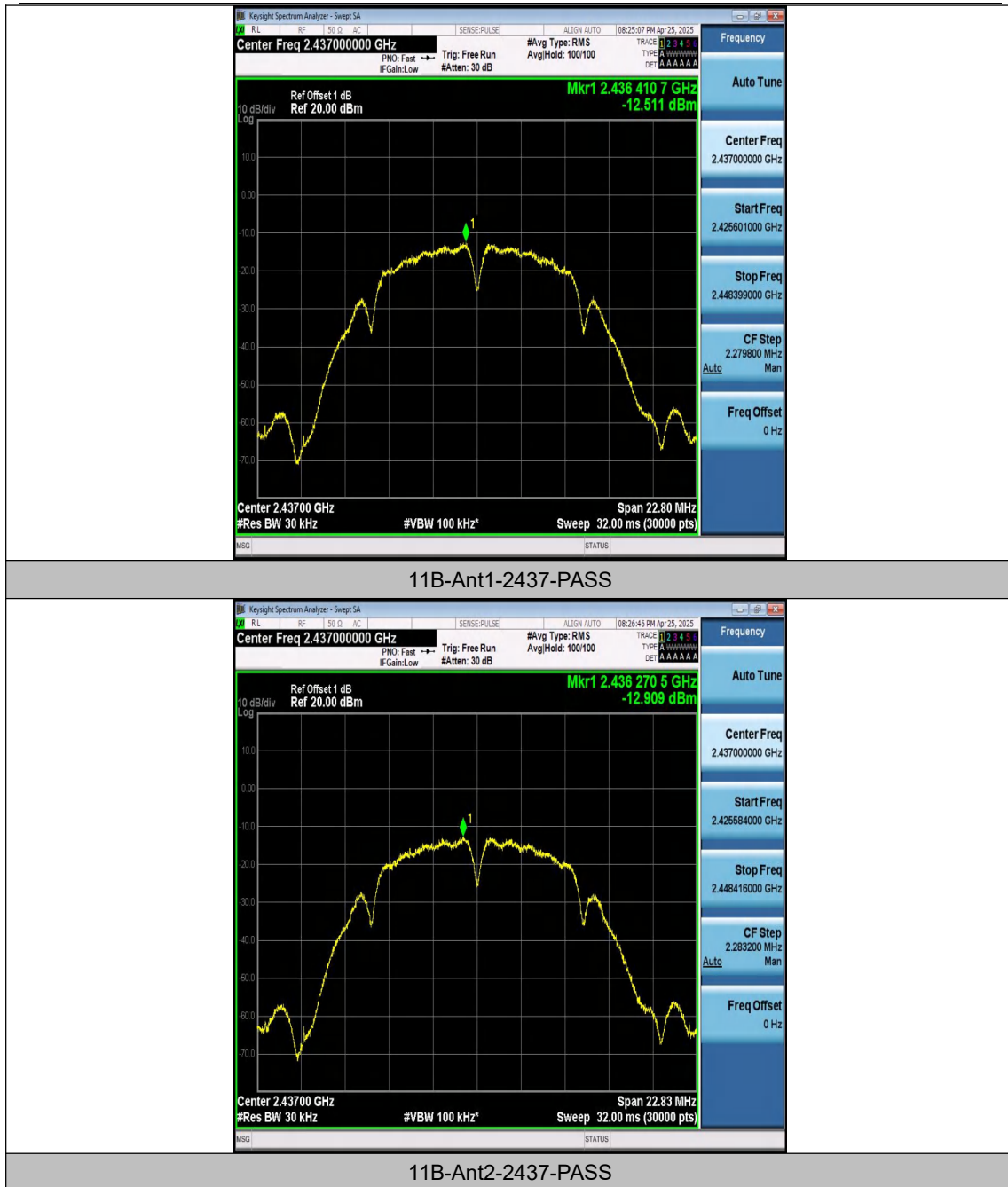
## Test Graphs



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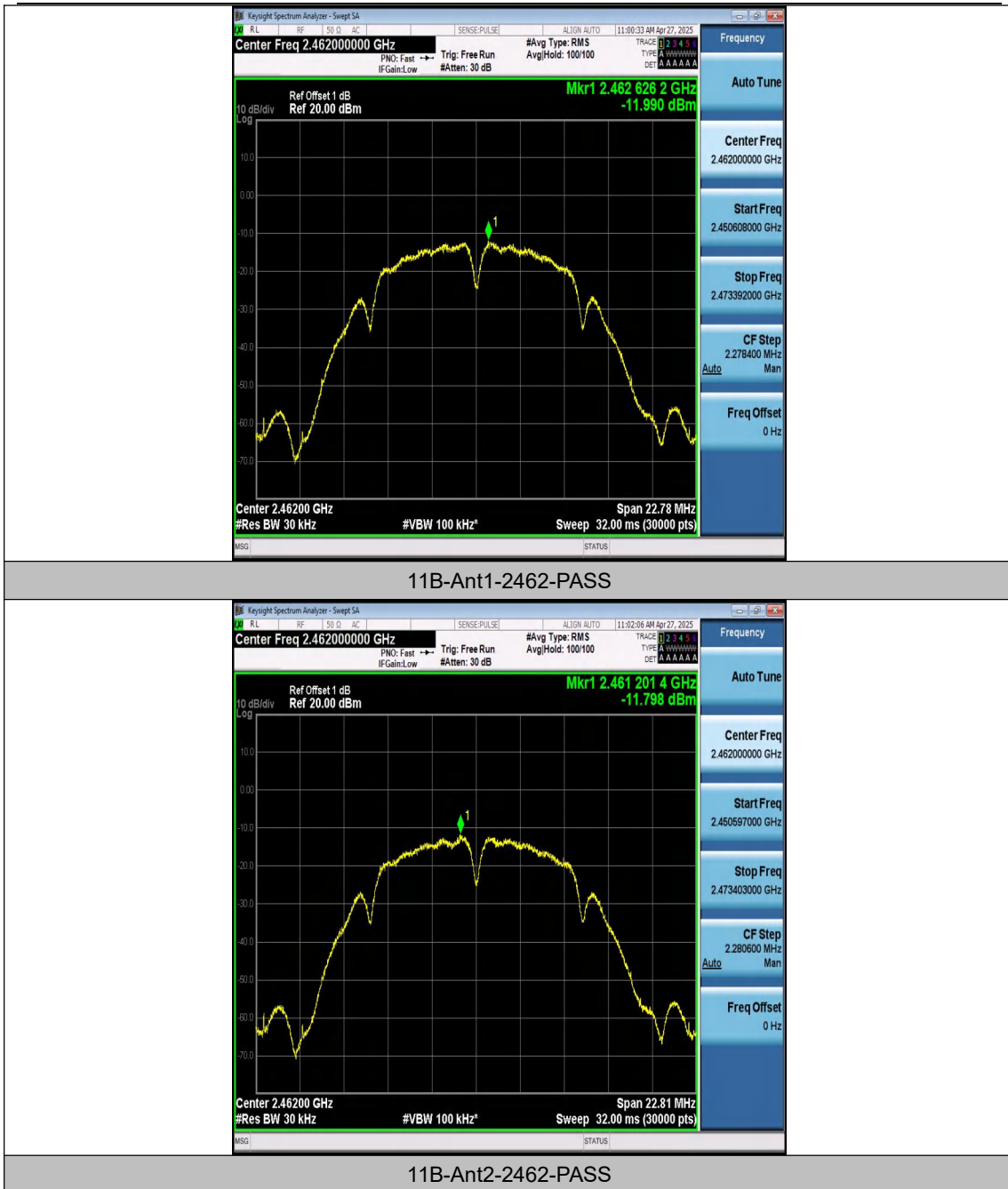
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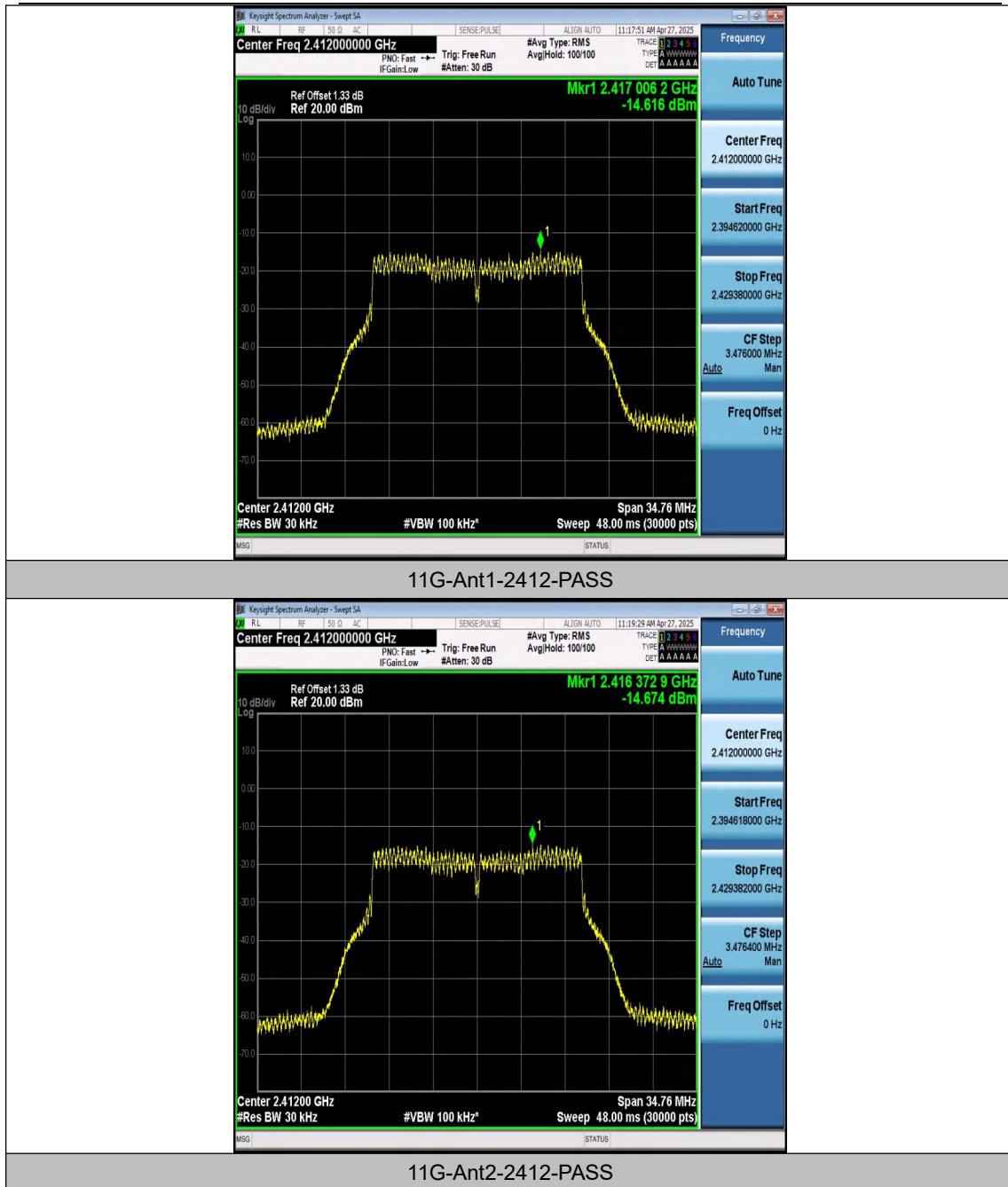
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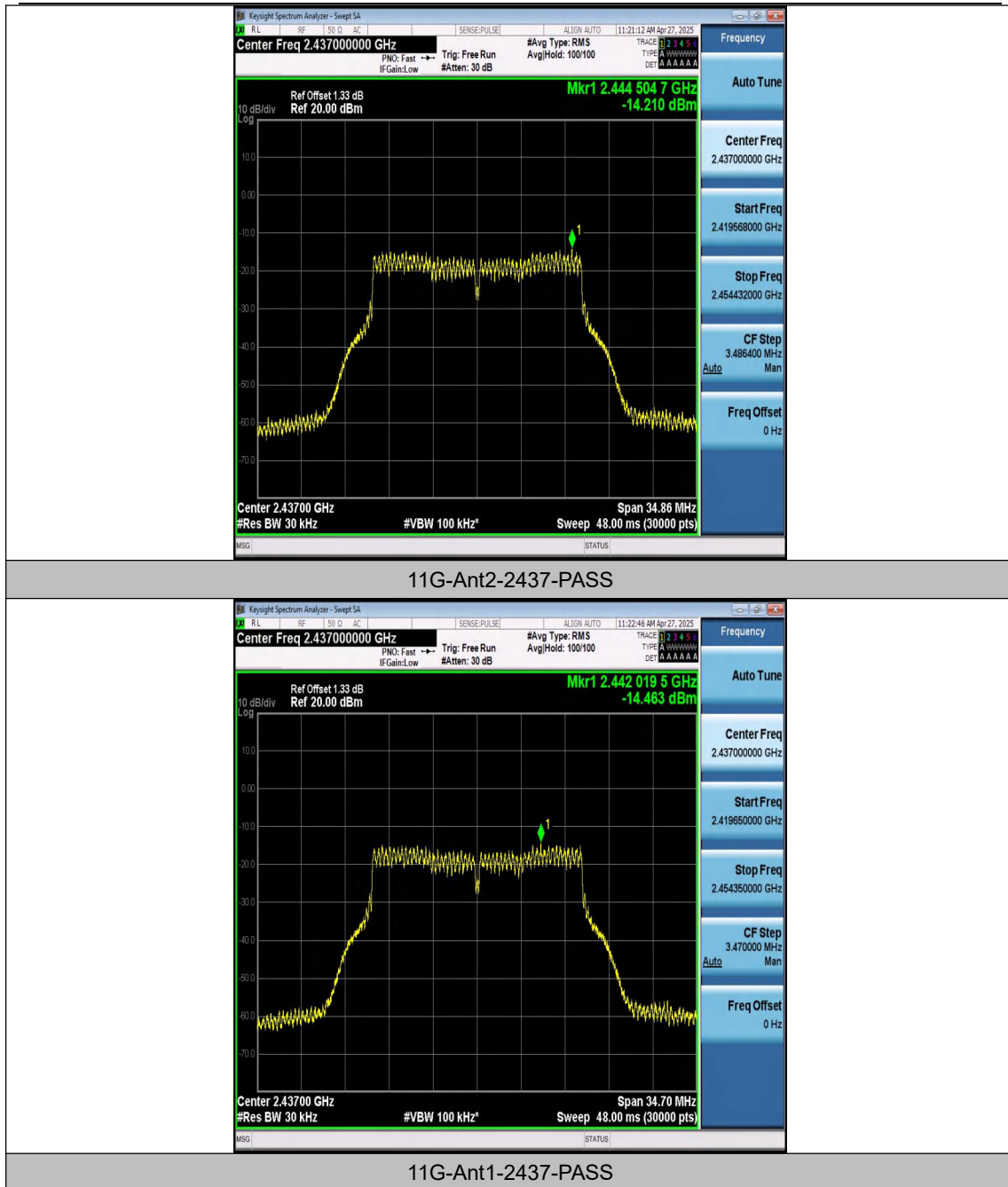


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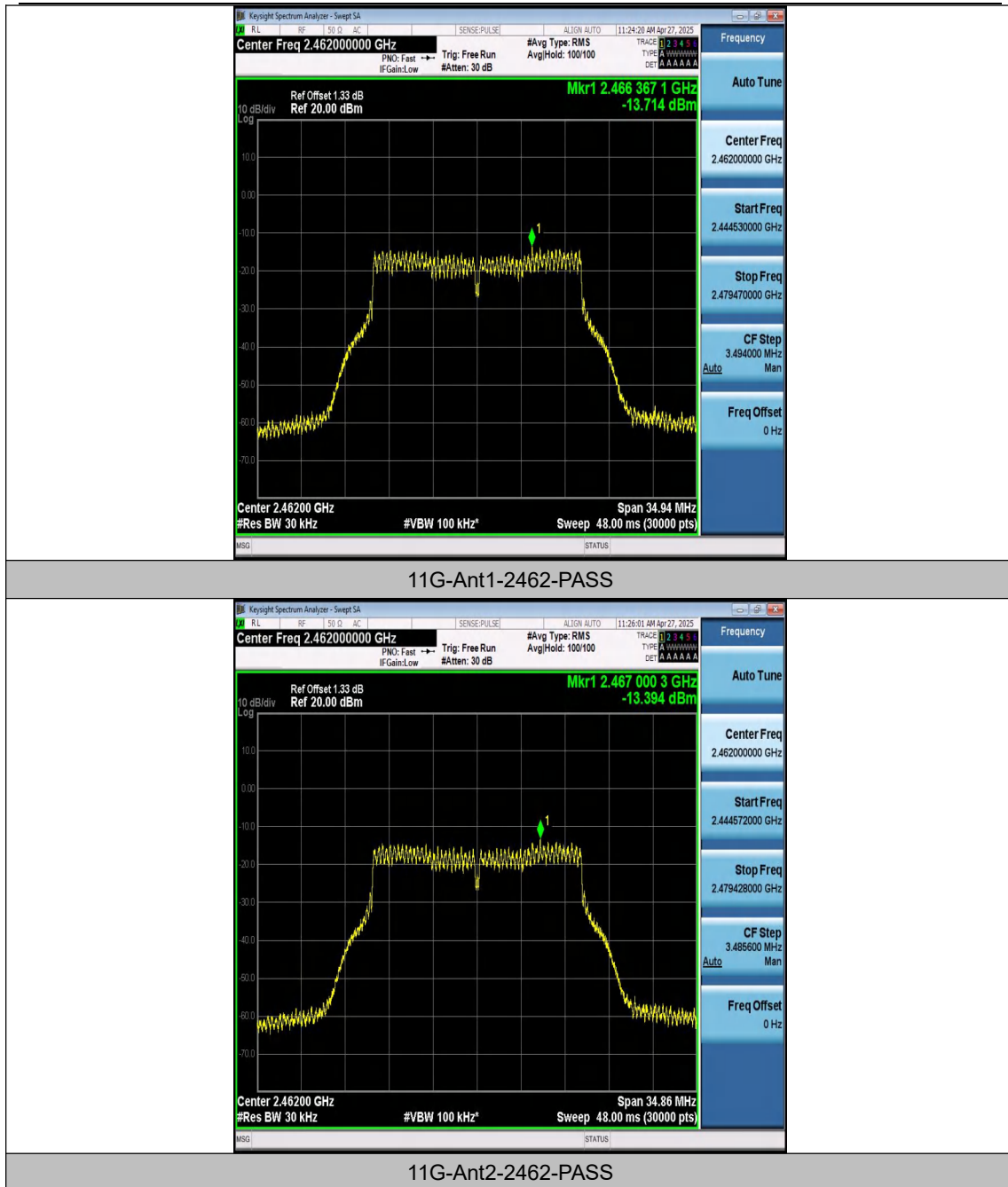


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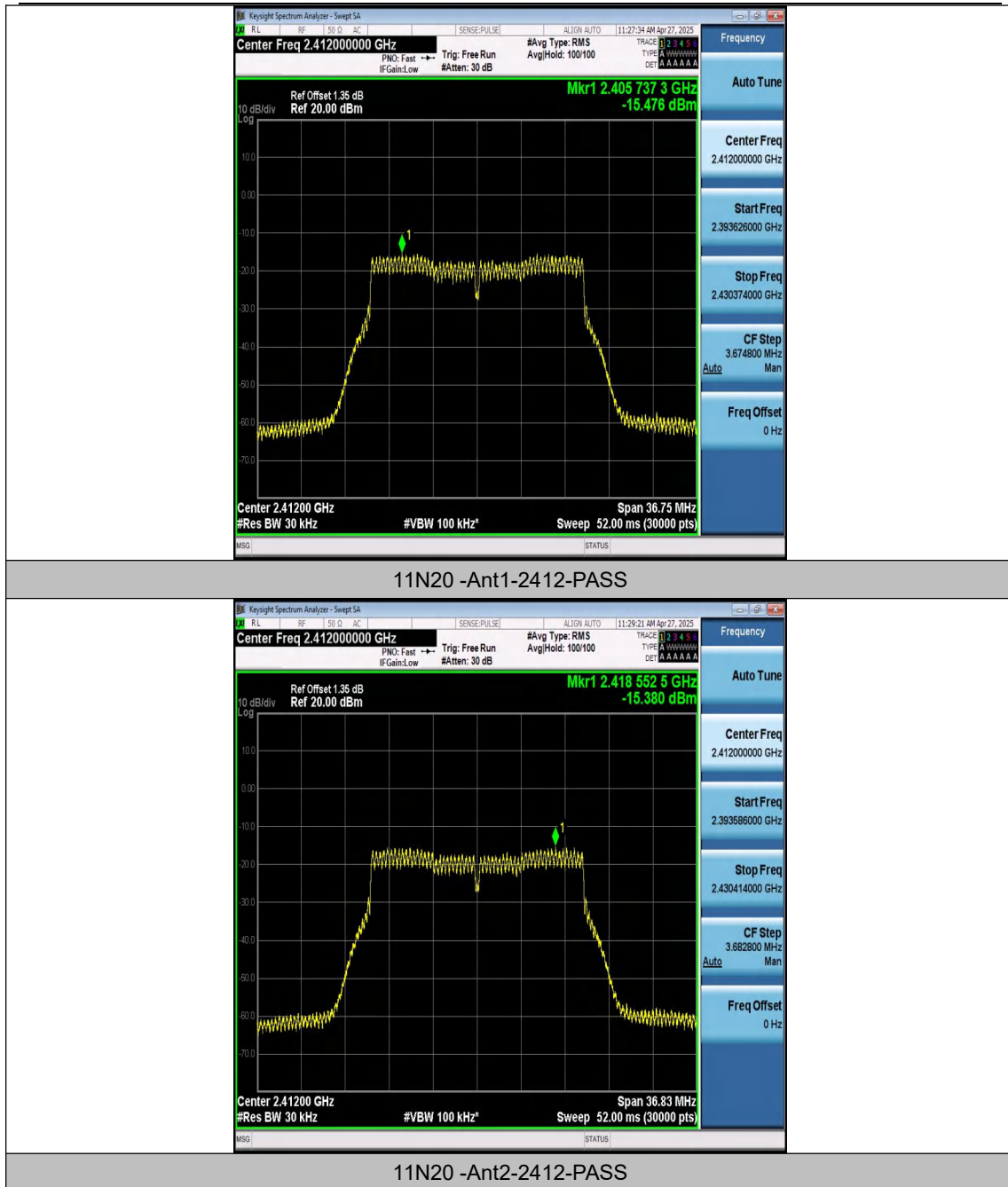


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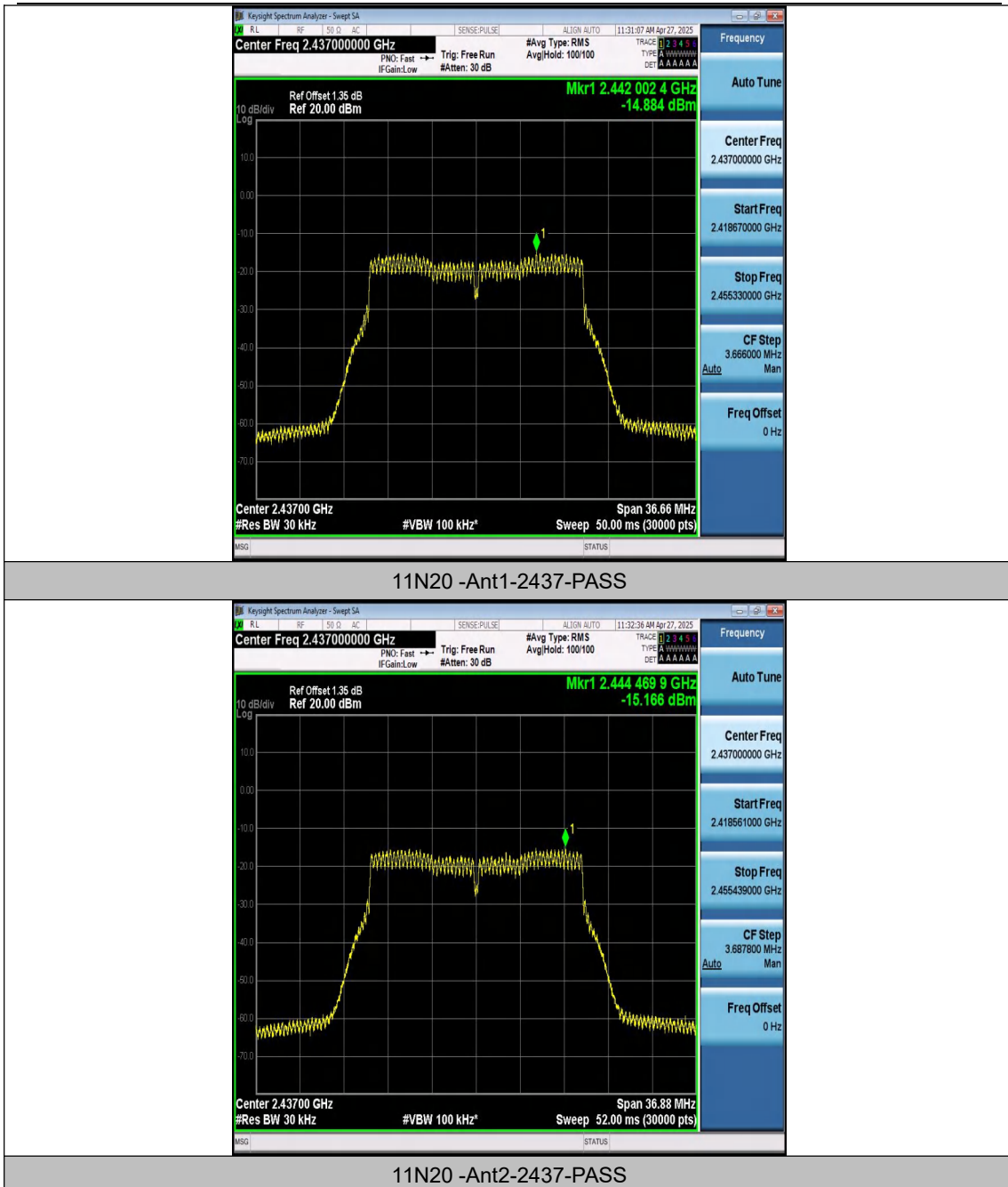




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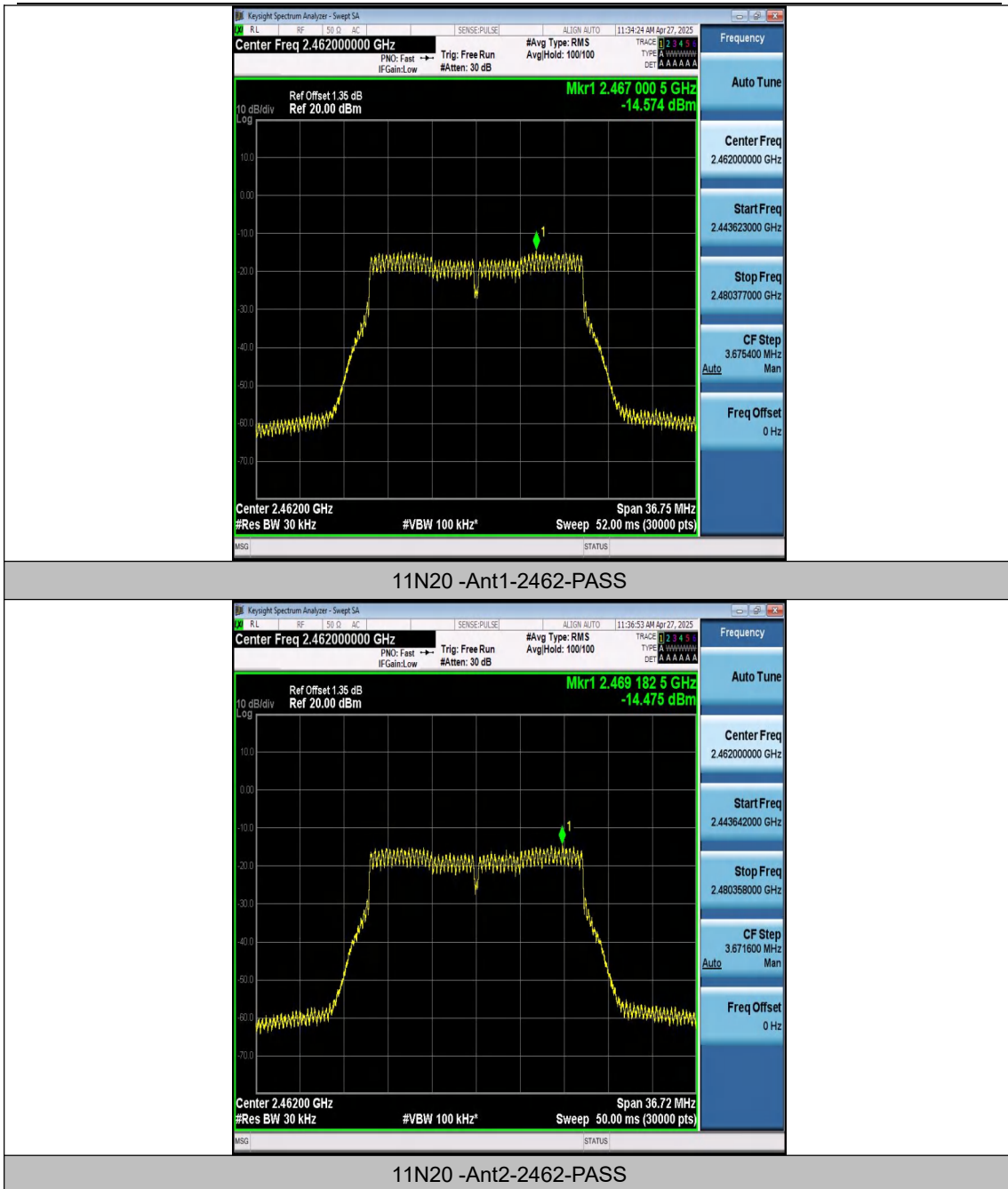


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## Appendix E: Conducted Band edge

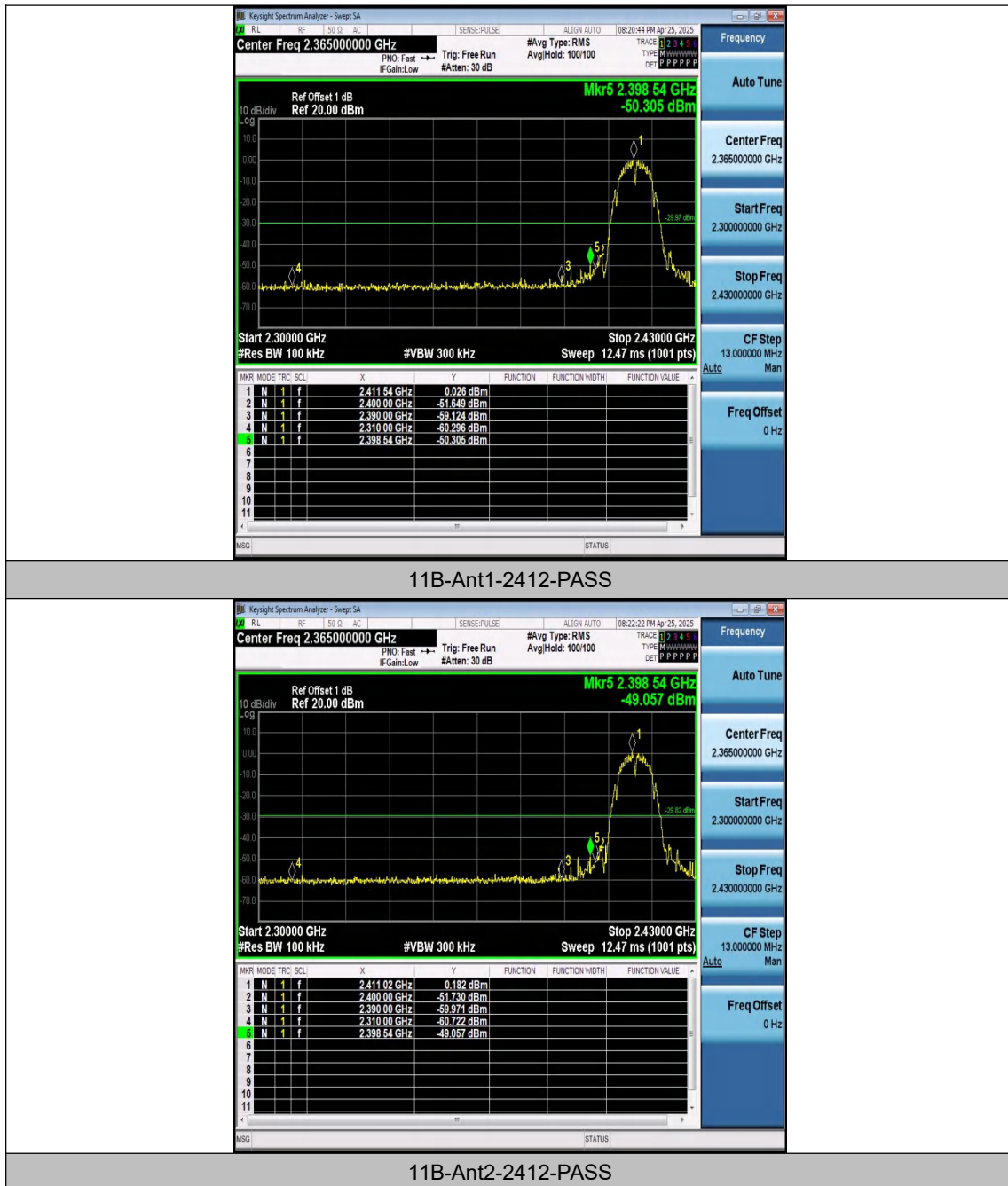
### Test Result

| Test Mode | Antenna | Ch. Name | Frequency[MHz] | Ref. Level[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|----------|----------------|-----------------|-------------|------------|---------|
| 11B       | Ant1    | Low      | 2412           | 0.03            | -50.31      | ≤-29.97    | PASS    |
| 11B       | Ant2    | Low      | 2412           | 0.18            | -49.06      | ≤-29.82    | PASS    |
| 11B       | Ant1    | High     | 2462           | 1.33            | -51.38      | ≤-28.67    | PASS    |
| 11B       | Ant2    | High     | 2462           | 1.49            | -53.46      | ≤-28.52    | PASS    |
| 11G       | Ant1    | Low      | 2412           | -2.91           | -43.96      | ≤-32.91    | PASS    |
| 11G       | Ant2    | Low      | 2412           | -2.60           | -44.61      | ≤-32.6     | PASS    |
| 11G       | Ant1    | High     | 2462           | -1.33           | -47.33      | ≤-31.33    | PASS    |
| 11G       | Ant2    | High     | 2462           | -1.50           | -47.83      | ≤-31.5     | PASS    |
| 11N20     | Ant1    | Low      | 2412           | -2.51           | -44.67      | ≤-32.51    | PASS    |
| 11N20     | Ant2    | Low      | 2412           | -2.25           | -44.57      | ≤-32.25    | PASS    |
| 11N20     | Ant1    | High     | 2462           | -1.79           | -45.99      | ≤-31.79    | PASS    |
| 11N20     | Ant2    | High     | 2462           | -1.55           | -46.4       | ≤-31.55    | PASS    |

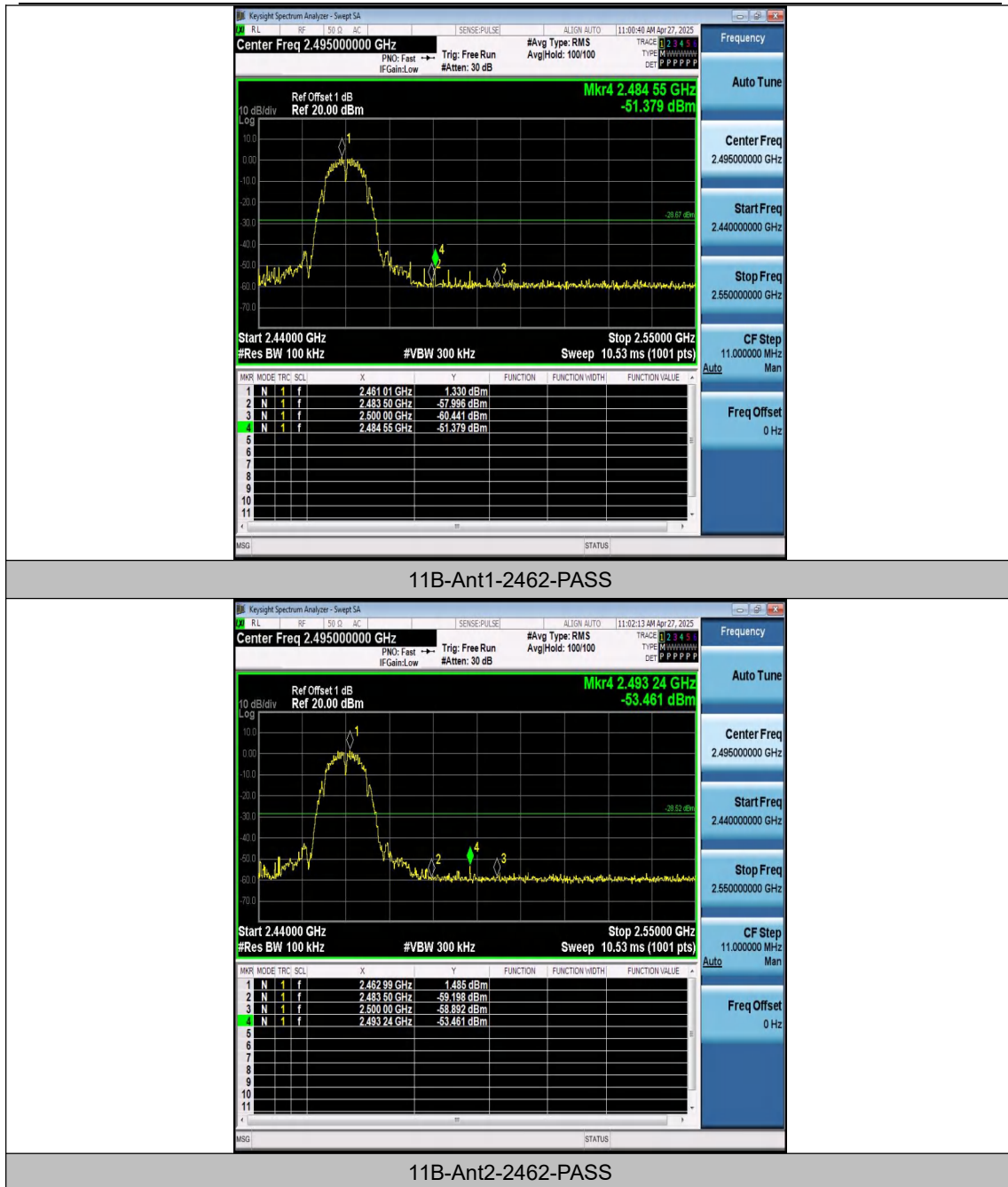
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.



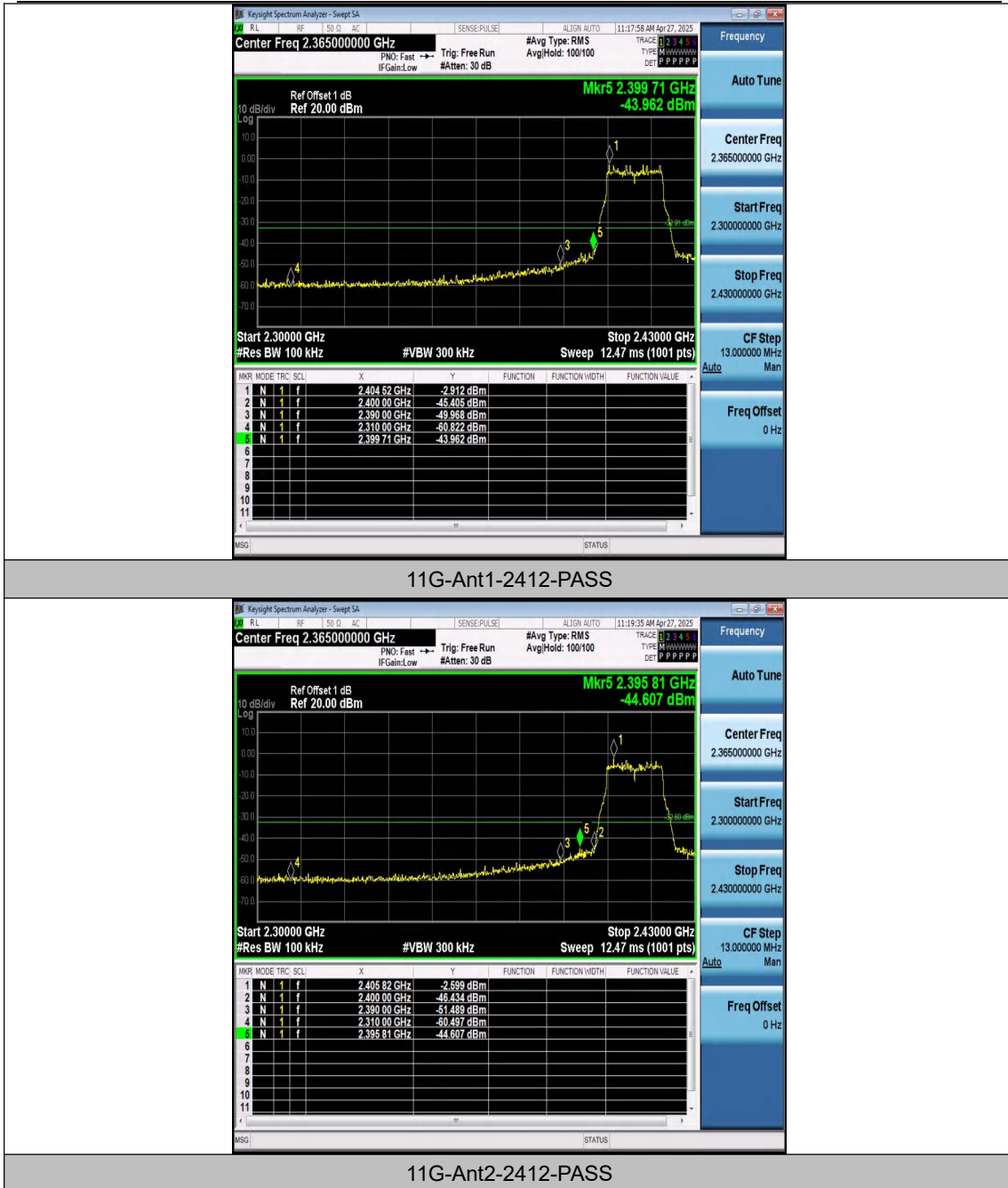
## Test Graphs



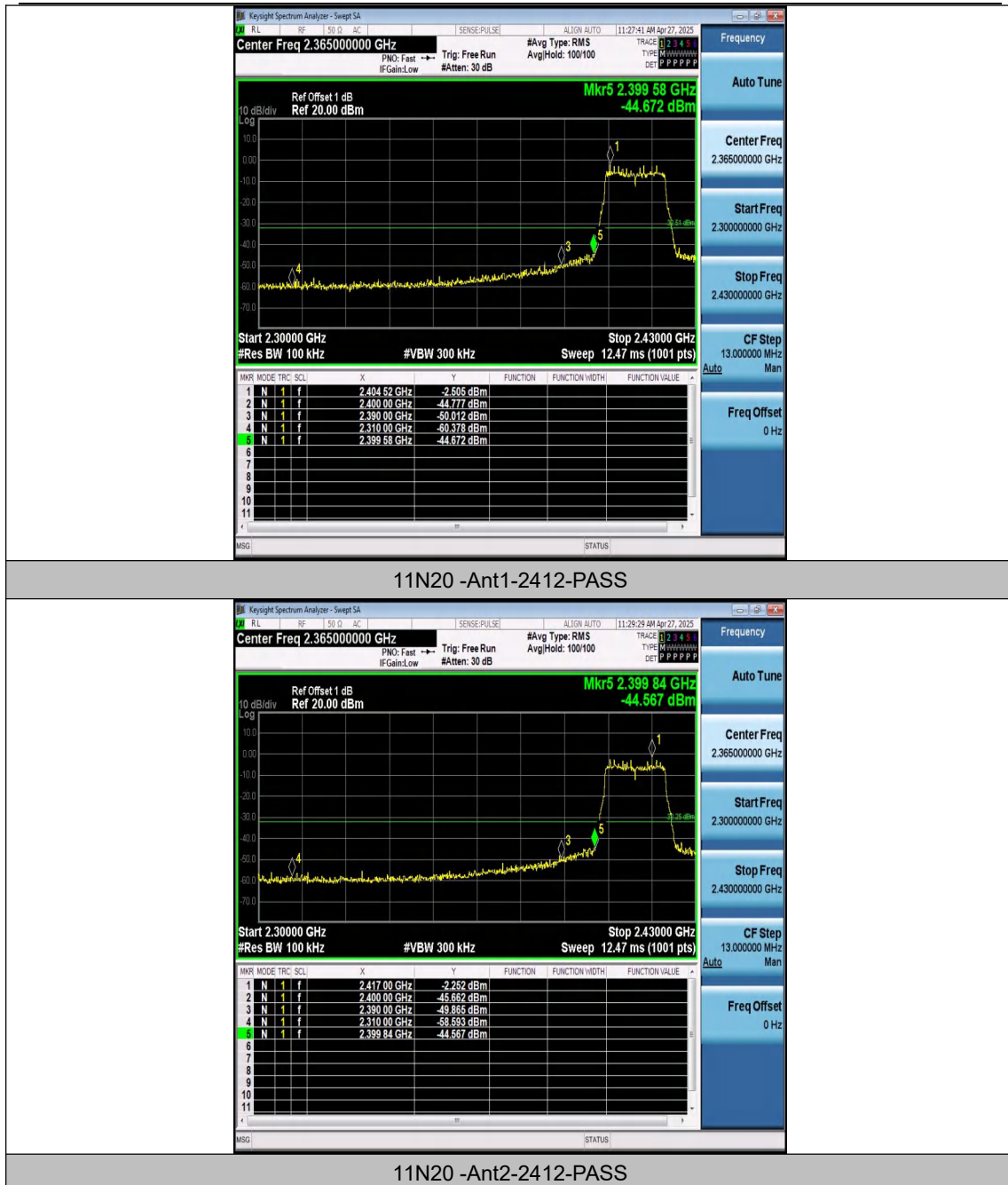












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## Appendix F: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Freq. Range [Mhz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|-------------------|------------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412           | 0~Reference       | -0.02            | -0.02        | ---         | PASS    |
| 11B       | Ant2    | 2412           | 0~Reference       | 0.07             | 0.07         | ---         | PASS    |
| 11B       | Ant1    | 2412           | 30~1000           | -0.02            | -69.07       | ≤-30.02     | PASS    |
| 11B       | Ant2    | 2412           | 30~1000           | 0.07             | -68.92       | ≤-29.93     | PASS    |
| 11B       | Ant1    | 2412           | 1000~26500        | -0.02            | -53.3        | ≤-30.02     | PASS    |
| 11B       | Ant2    | 2412           | 1000~26500        | 0.07             | -53.53       | ≤-29.93     | PASS    |
| 11B       | Ant1    | 2437           | 0~Reference       | -0.17            | -0.17        | ---         | PASS    |
| 11B       | Ant2    | 2437           | 0~Reference       | 0.68             | 0.68         | ---         | PASS    |
| 11B       | Ant1    | 2437           | 30~1000           | -0.17            | -51.85       | ≤-30.17     | PASS    |
| 11B       | Ant2    | 2437           | 30~1000           | 0.68             | -68.19       | ≤-29.32     | PASS    |
| 11B       | Ant1    | 2437           | 1000~26500        | -0.17            | -51.7        | ≤-30.17     | PASS    |
| 11B       | Ant2    | 2437           | 1000~26500        | 0.68             | -51.84       | ≤-29.32     | PASS    |
| 11B       | Ant1    | 2462           | 0~Reference       | 1.45             | 1.45         | ---         | PASS    |
| 11B       | Ant2    | 2462           | 0~Reference       | 1.20             | 1.20         | ---         | PASS    |
| 11B       | Ant1    | 2462           | 30~1000           | 1.45             | -68.19       | ≤-28.55     | PASS    |
| 11B       | Ant2    | 2462           | 30~1000           | 1.20             | -68.84       | ≤-28.8      | PASS    |
| 11B       | Ant1    | 2462           | 1000~26500        | 1.45             | -50.33       | ≤-28.55     | PASS    |
| 11B       | Ant2    | 2462           | 1000~26500        | 1.20             | -50.35       | ≤-28.8      | PASS    |
| 11G       | Ant1    | 2412           | 0~Reference       | -2.40            | -2.40        | ---         | PASS    |
| 11G       | Ant2    | 2412           | 0~Reference       | -2.55            | -2.55        | ---         | PASS    |
| 11G       | Ant1    | 2412           | 30~1000           | -2.40            | -68.63       | ≤-32.4      | PASS    |
| 11G       | Ant2    | 2412           | 30~1000           | -2.55            | -69.02       | ≤-32.55     | PASS    |
| 11G       | Ant1    | 2412           | 1000~26500        | -2.40            | -53.04       | ≤-32.4      | PASS    |
| 11G       | Ant2    | 2412           | 1000~26500        | -2.55            | -54.18       | ≤-32.55     | PASS    |
| 11G       | Ant2    | 2437           | 0~Reference       | -2.21            | -2.21        | ---         | PASS    |
| 11G       | Ant1    | 2437           | 0~Reference       | -2.79            | -2.79        | ---         | PASS    |
| 11G       | Ant2    | 2437           | 30~1000           | -2.21            | -69.17       | ≤-32.21     | PASS    |
| 11G       | Ant1    | 2437           | 30~1000           | -2.79            | -69.39       | ≤-32.79     | PASS    |
| 11G       | Ant2    | 2437           | 1000~26500        | -2.21            | -53.55       | ≤-32.21     | PASS    |
| 11G       | Ant1    | 2437           | 1000~26500        | -2.79            | -53.89       | ≤-32.79     | PASS    |
| 11G       | Ant1    | 2462           | 0~Reference       | -2.45            | -2.45        | ---         | PASS    |
| 11G       | Ant2    | 2462           | 0~Reference       | -2.19            | -2.19        | ---         | PASS    |
| 11G       | Ant1    | 2462           | 30~1000           | -2.45            | -69.34       | ≤-32.45     | PASS    |
| 11G       | Ant2    | 2462           | 30~1000           | -2.19            | -68.2        | ≤-32.19     | PASS    |
| 11G       | Ant1    | 2462           | 1000~26500        | -2.45            | -52.66       | ≤-32.45     | PASS    |
| 11G       | Ant2    | 2462           | 1000~26500        | -2.19            | -53.02       | ≤-32.19     | PASS    |
| 11N20     | Ant1    | 2412           | 0~Reference       | -2.30            | -2.30        | ---         | PASS    |

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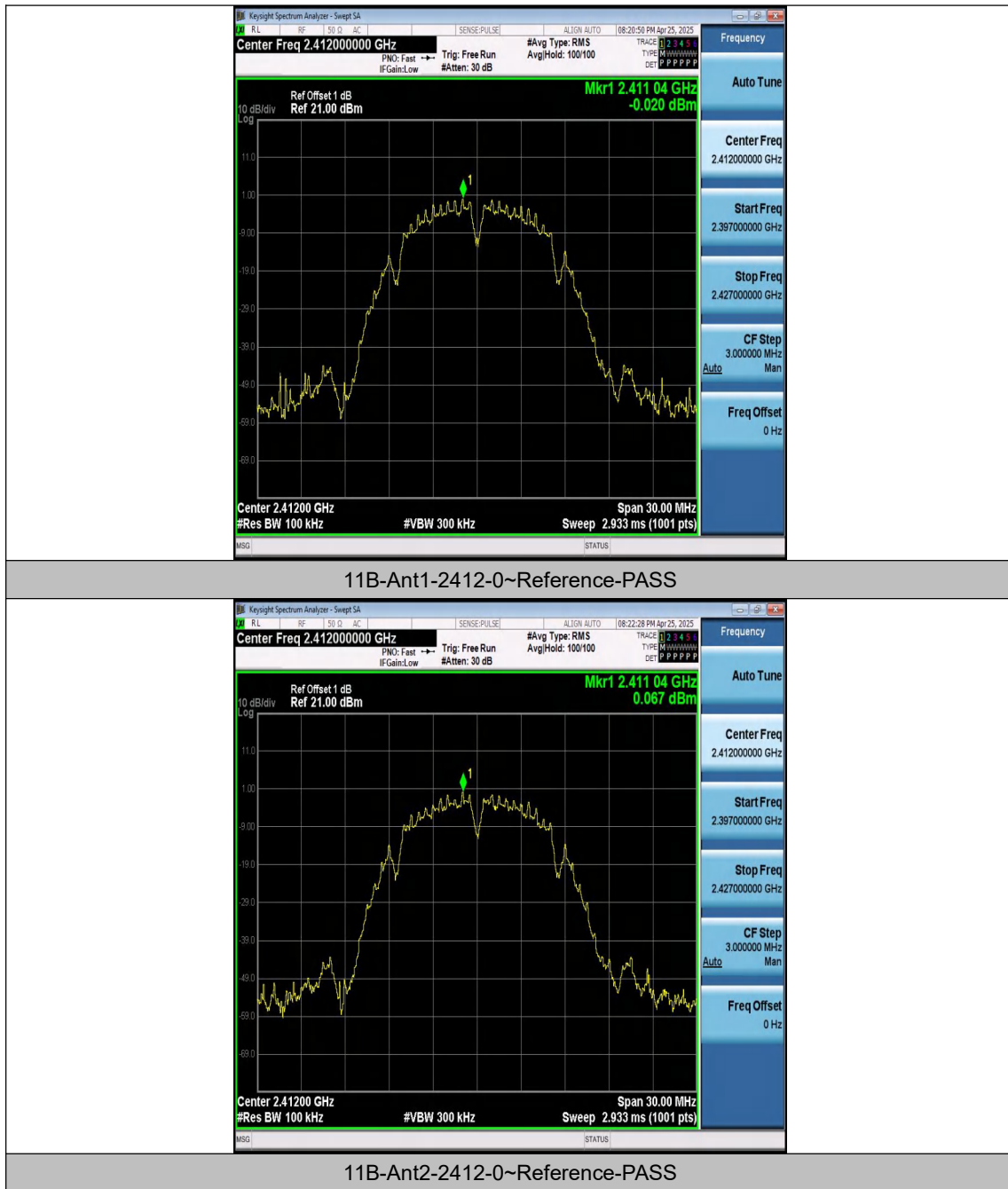


|       |      |      |             |       |        |               |      |
|-------|------|------|-------------|-------|--------|---------------|------|
| 11N20 | Ant2 | 2412 | 0~Reference | -2.20 | -2.20  | ---           | PASS |
| 11N20 | Ant1 | 2412 | 30~1000     | -2.30 | -69.04 | $\leq -32.3$  | PASS |
| 11N20 | Ant2 | 2412 | 30~1000     | -2.20 | -69.27 | $\leq -32.2$  | PASS |
| 11N20 | Ant1 | 2412 | 1000~26500  | -2.30 | -52.93 | $\leq -32.3$  | PASS |
| 11N20 | Ant2 | 2412 | 1000~26500  | -2.20 | -53.47 | $\leq -32.2$  | PASS |
| 11N20 | Ant1 | 2437 | 0~Reference | -2.29 | -2.29  | ---           | PASS |
| 11N20 | Ant2 | 2437 | 0~Reference | -3.35 | -3.35  | ---           | PASS |
| 11N20 | Ant1 | 2437 | 30~1000     | -2.29 | -69.14 | $\leq -32.29$ | PASS |
| 11N20 | Ant2 | 2437 | 30~1000     | -3.35 | -68.98 | $\leq -33.35$ | PASS |
| 11N20 | Ant1 | 2437 | 1000~26500  | -2.29 | -53.09 | $\leq -32.29$ | PASS |
| 11N20 | Ant2 | 2437 | 1000~26500  | -3.35 | -53.58 | $\leq -33.35$ | PASS |
| 11N20 | Ant1 | 2462 | 0~Reference | -1.75 | -1.75  | ---           | PASS |
| 11N20 | Ant2 | 2462 | 0~Reference | -1.56 | -1.56  | ---           | PASS |
| 11N20 | Ant1 | 2462 | 30~1000     | -1.75 | -69.49 | $\leq -31.75$ | PASS |
| 11N20 | Ant2 | 2462 | 30~1000     | -1.56 | -68.33 | $\leq -31.56$ | PASS |
| 11N20 | Ant1 | 2462 | 1000~26500  | -1.75 | -53.11 | $\leq -31.75$ | PASS |
| 11N20 | Ant2 | 2462 | 1000~26500  | -1.56 | -53.43 | $\leq -31.56$ | PASS |

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



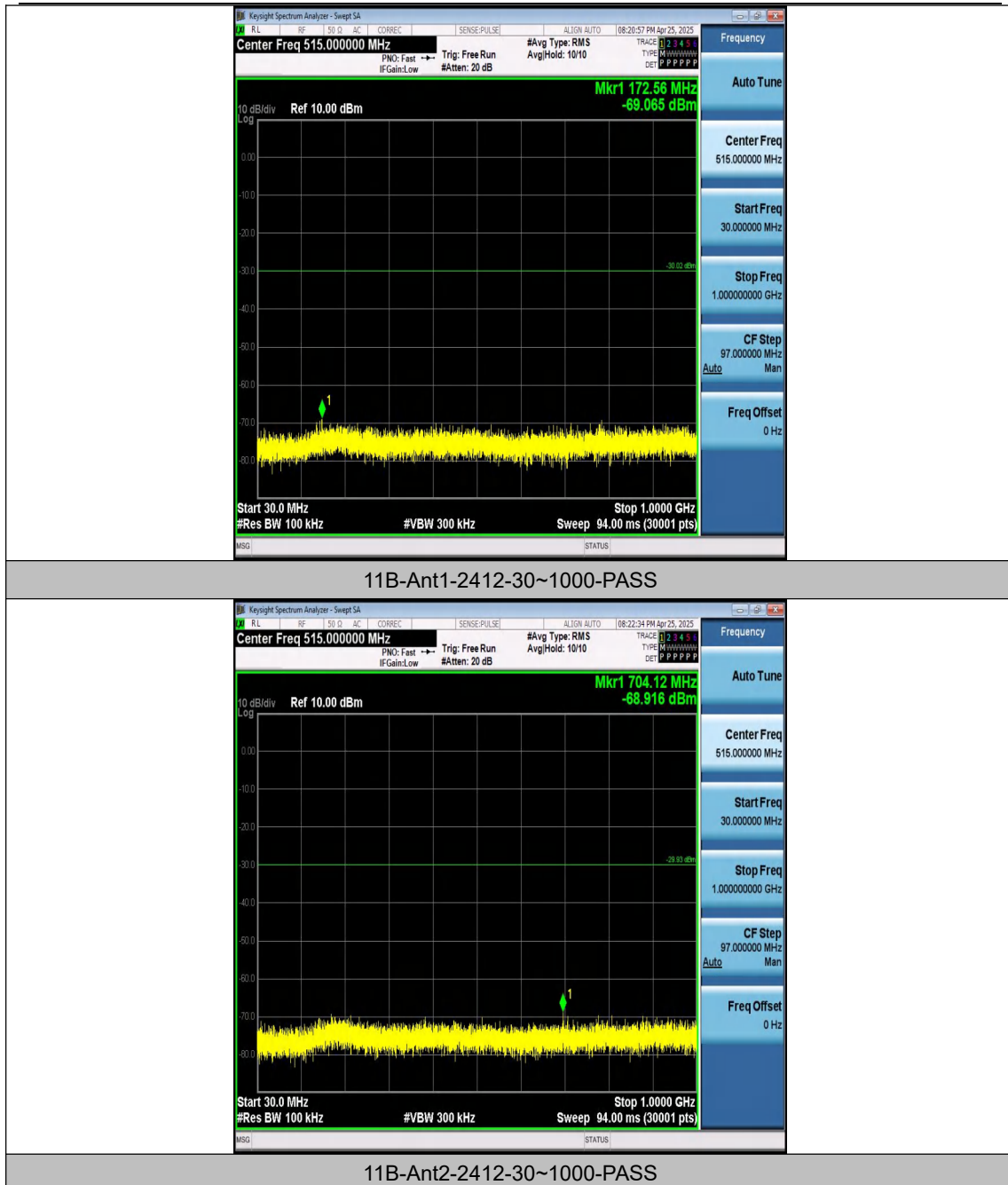
## Test Graphs



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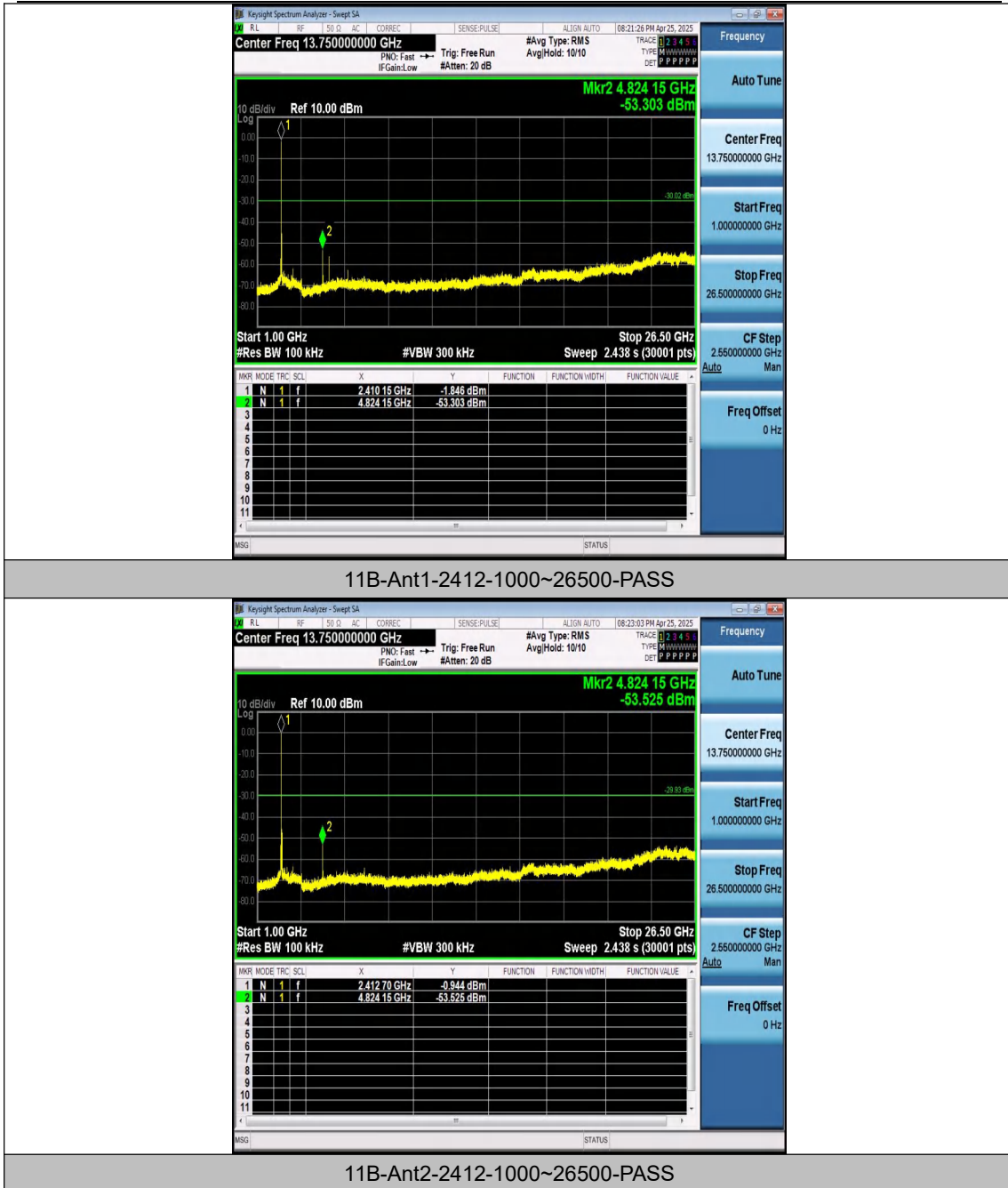
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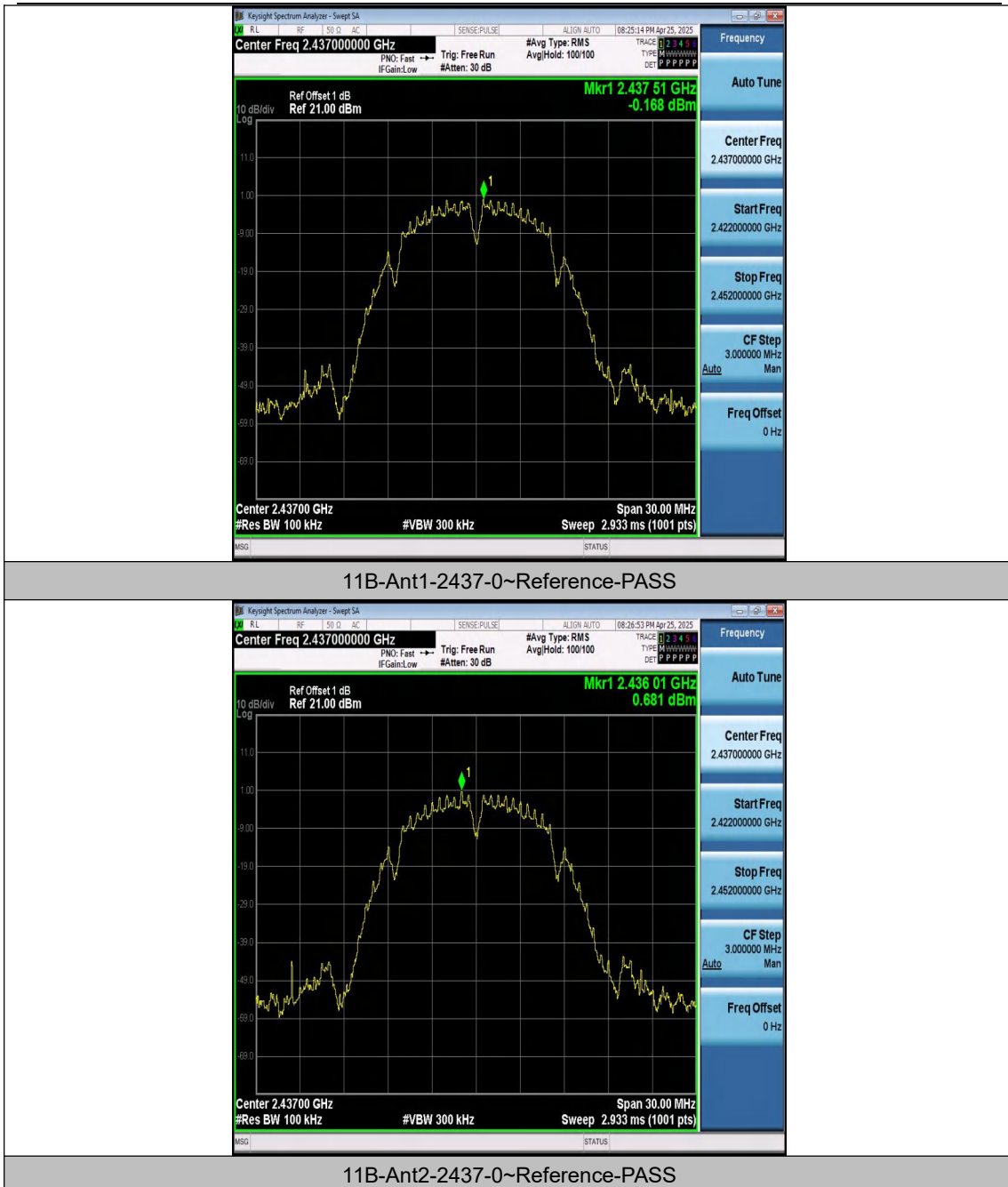
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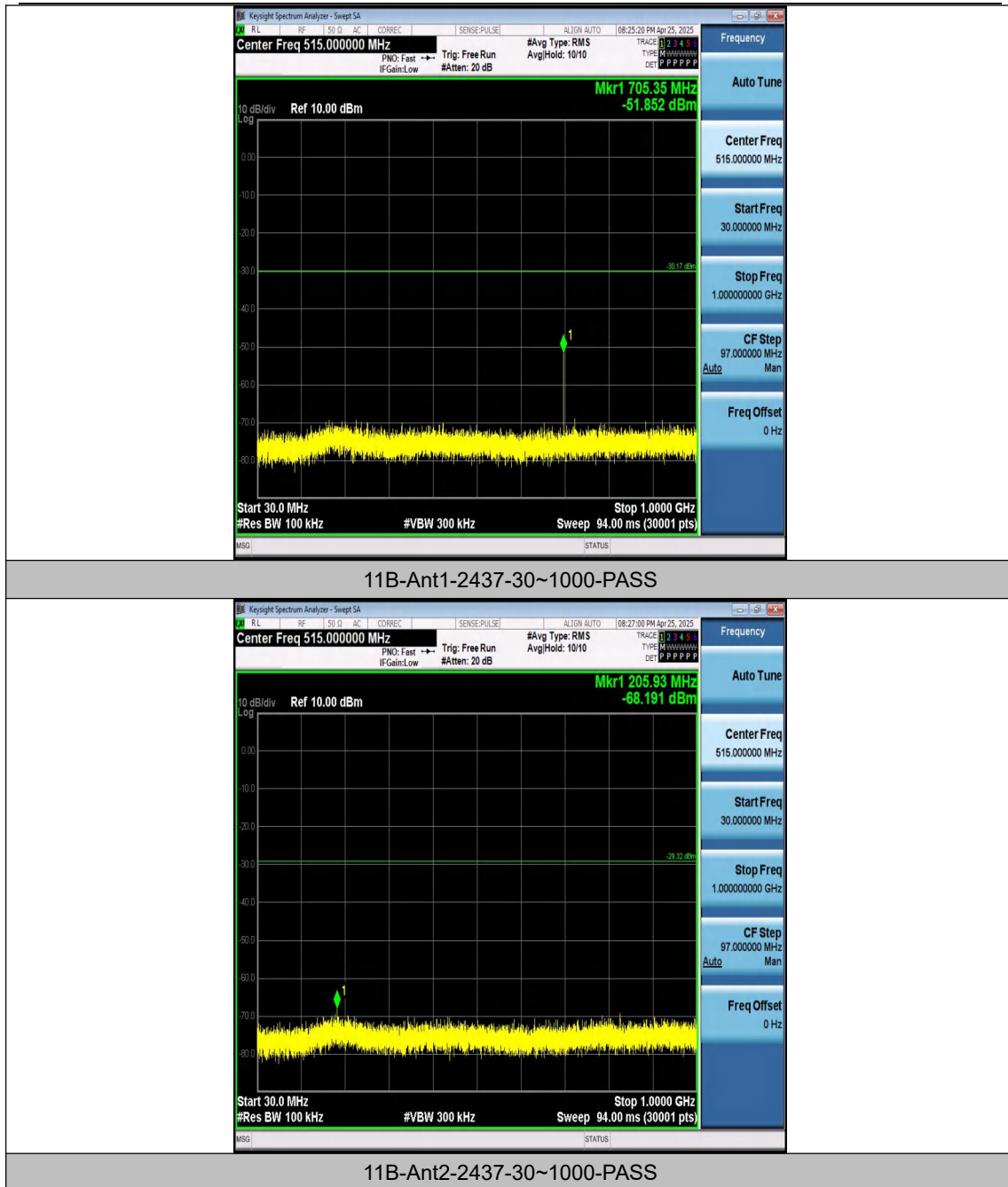


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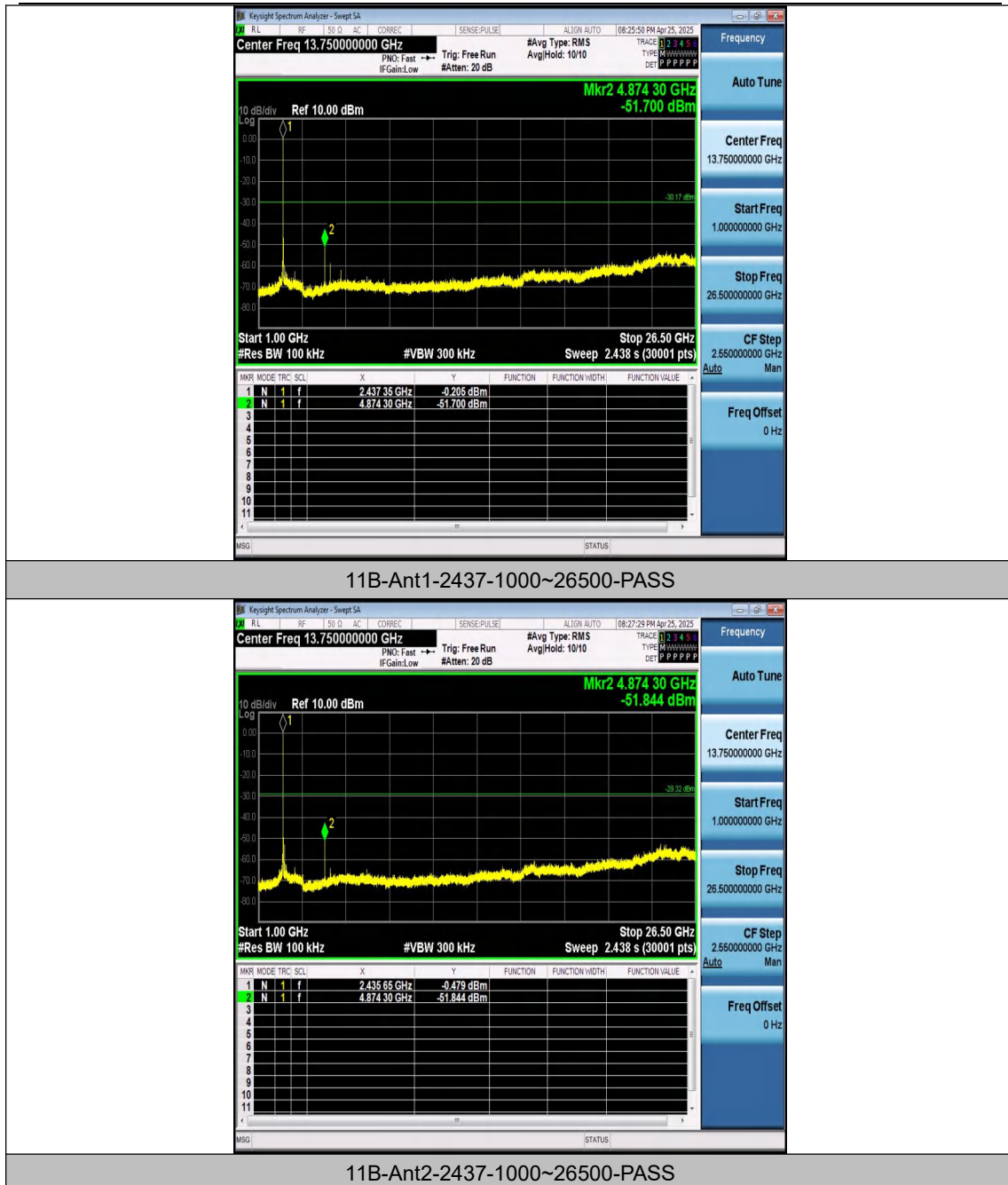




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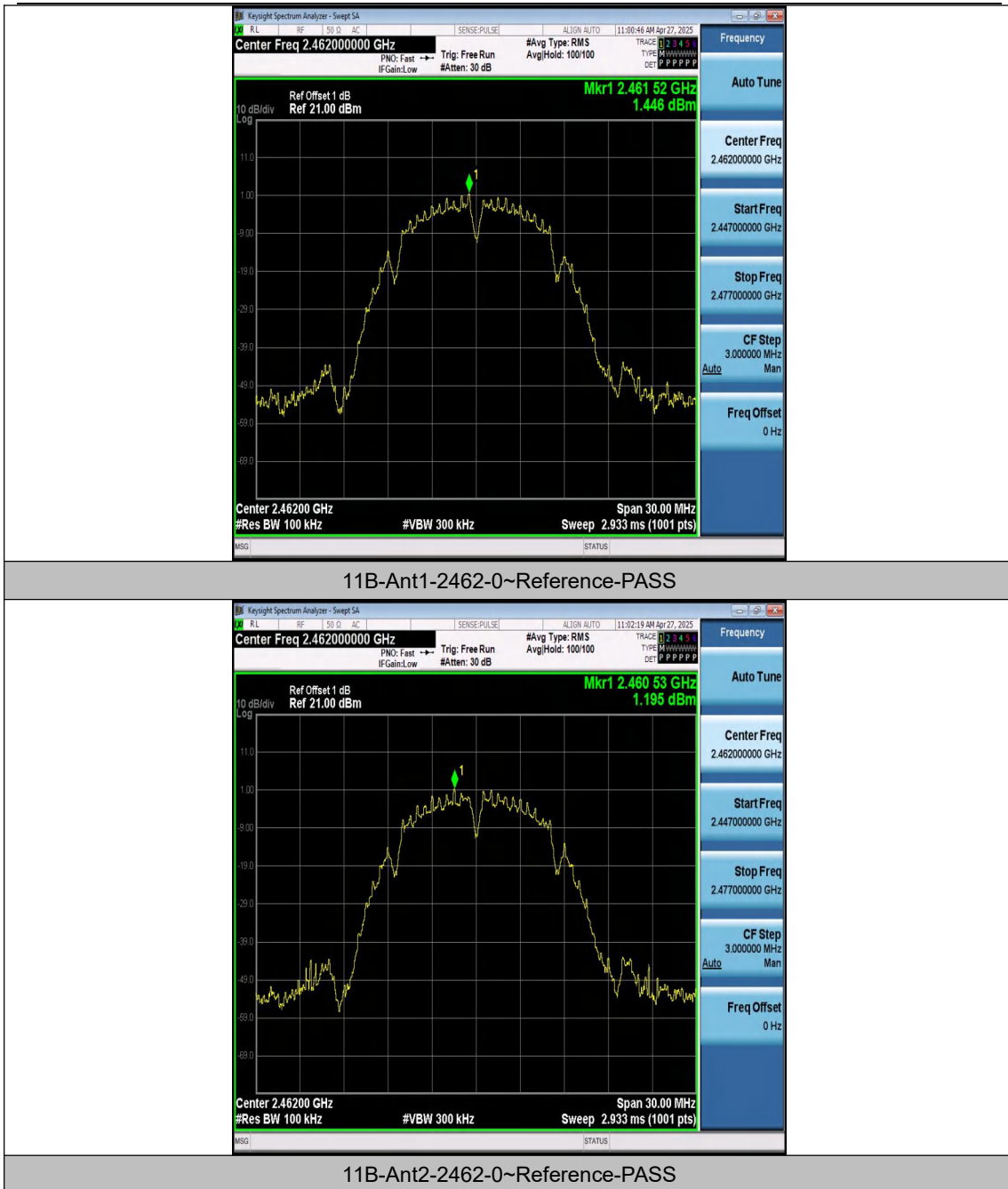
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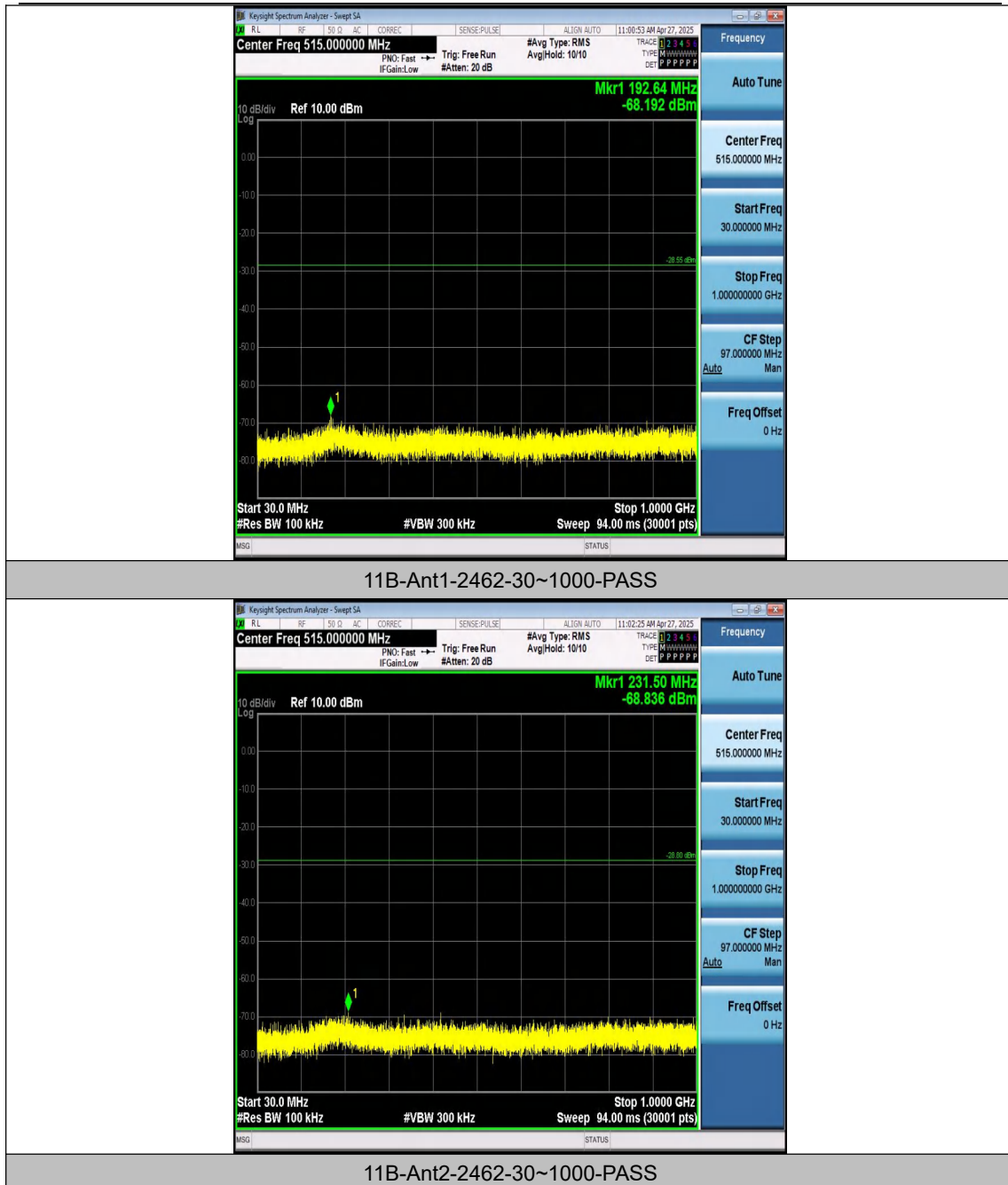


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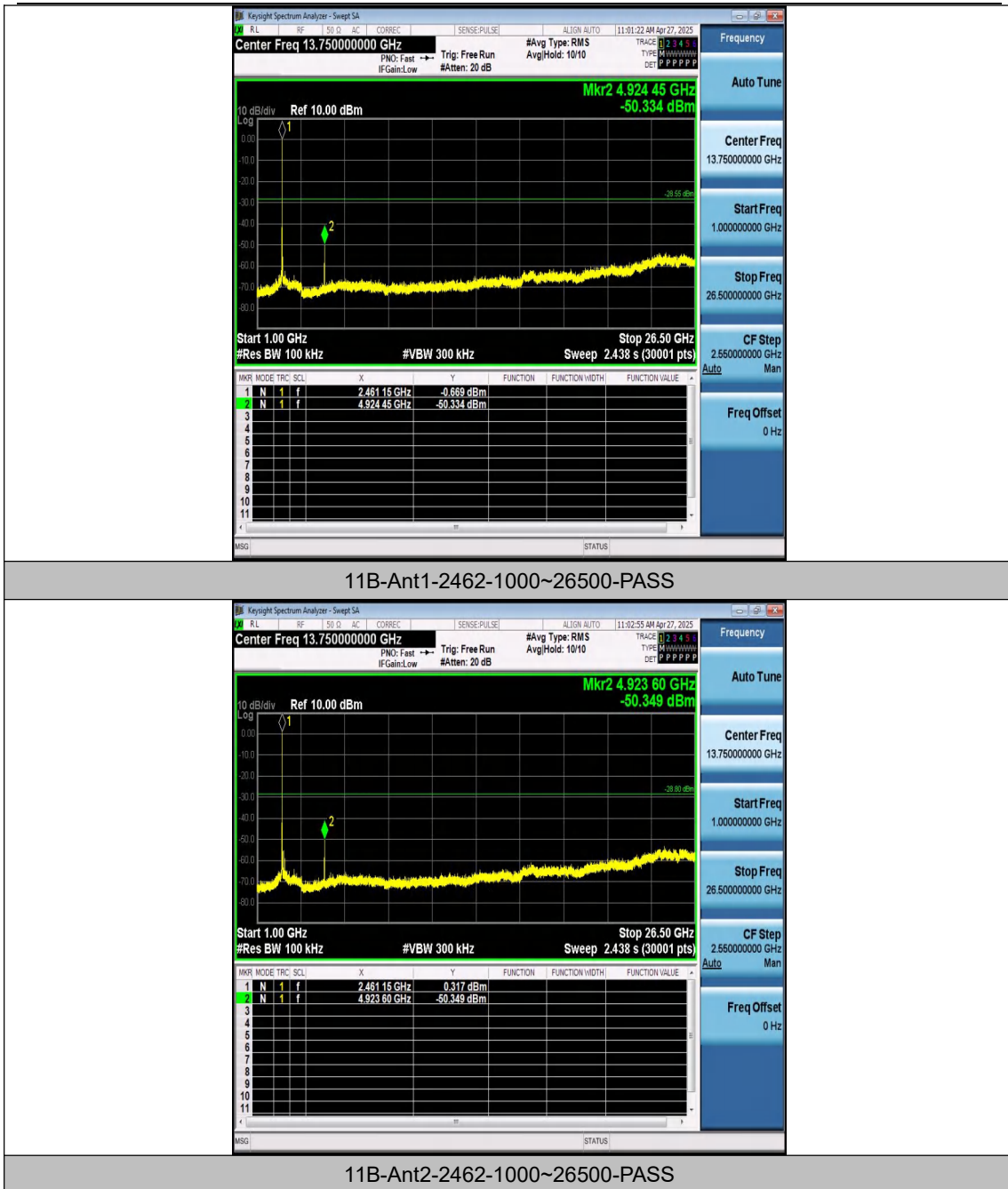
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