

Appendix Test Data

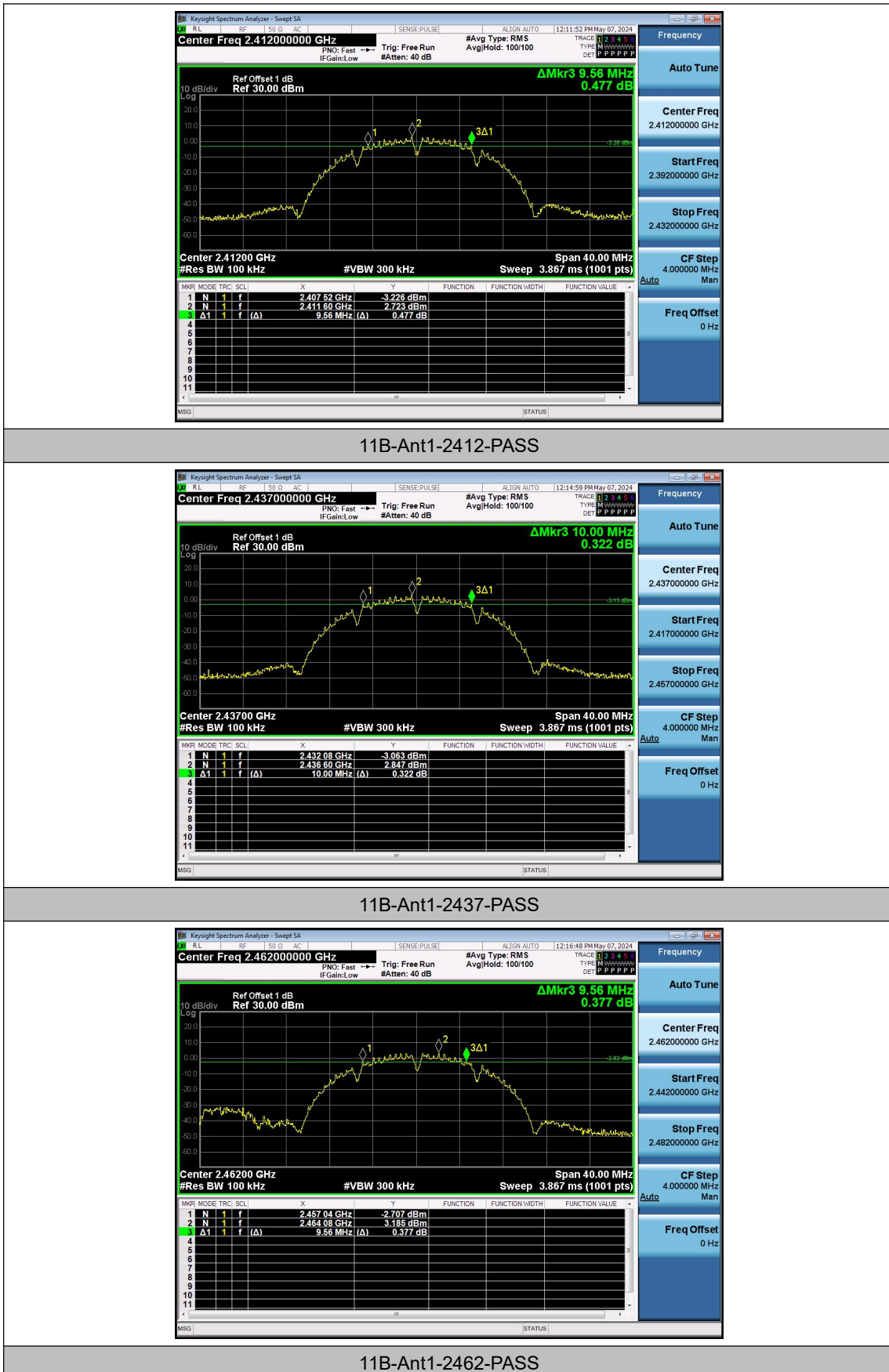
|                  |                   |                    |                    |
|------------------|-------------------|--------------------|--------------------|
| Report No.:      | 1812C40204712502  | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2024.05.06        | Finish Test Date:  | 2024.05.07         |
| Test Engineer:   | <i>Joker Wang</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 25.3°C            | Relative Humidity: | 48%                |
| Pressure:        | 101kPa            |                    |                    |

Appendix A: 6dB Bandwidth

Test Result

| TestMode  | Antenna | Frequency[MHz] | 6dB BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412           | 9.560        | 2407.520 | 2417.080 | 0.5        | PASS    |
| 11B       | Ant1    | 2437           | 10.000       | 2432.080 | 2442.080 | 0.5        | PASS    |
| 11B       | Ant1    | 2462           | 9.560        | 2457.040 | 2466.600 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 16.040       | 2404.200 | 2420.240 | 0.5        | PASS    |
| 11G       | Ant1    | 2437           | 15.880       | 2429.120 | 2445.000 | 0.5        | PASS    |
| 11G       | Ant1    | 2462           | 15.640       | 2454.200 | 2469.840 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 16.920       | 2403.680 | 2420.600 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2437           | 17.280       | 2428.560 | 2445.840 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2462           | 17.000       | 2453.560 | 2470.560 | 0.5        | PASS    |

## Test Graphs



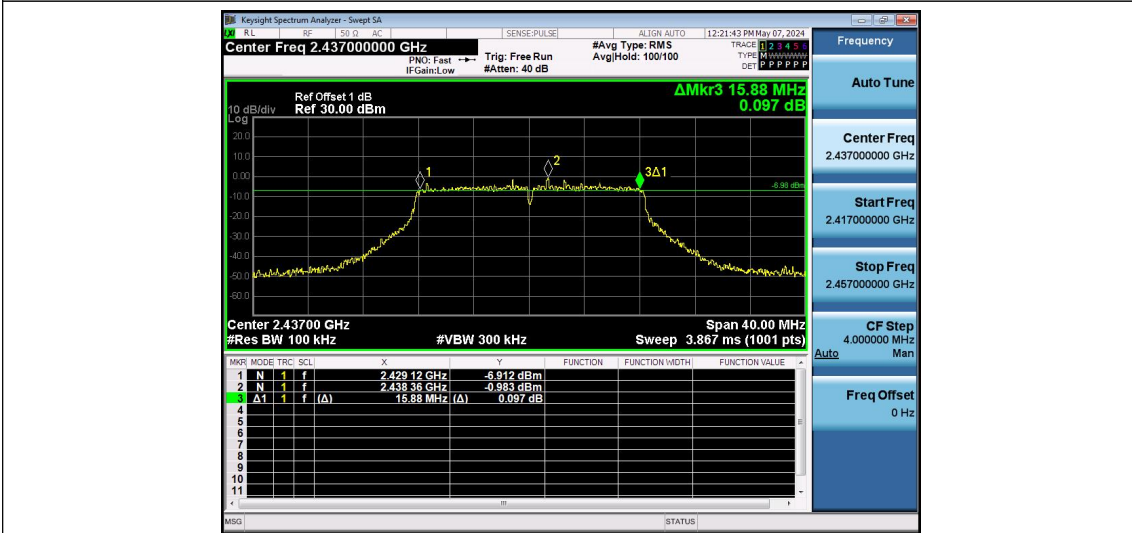
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11G-Ant1-2412-PASS



11G-Ant1-2437-PASS

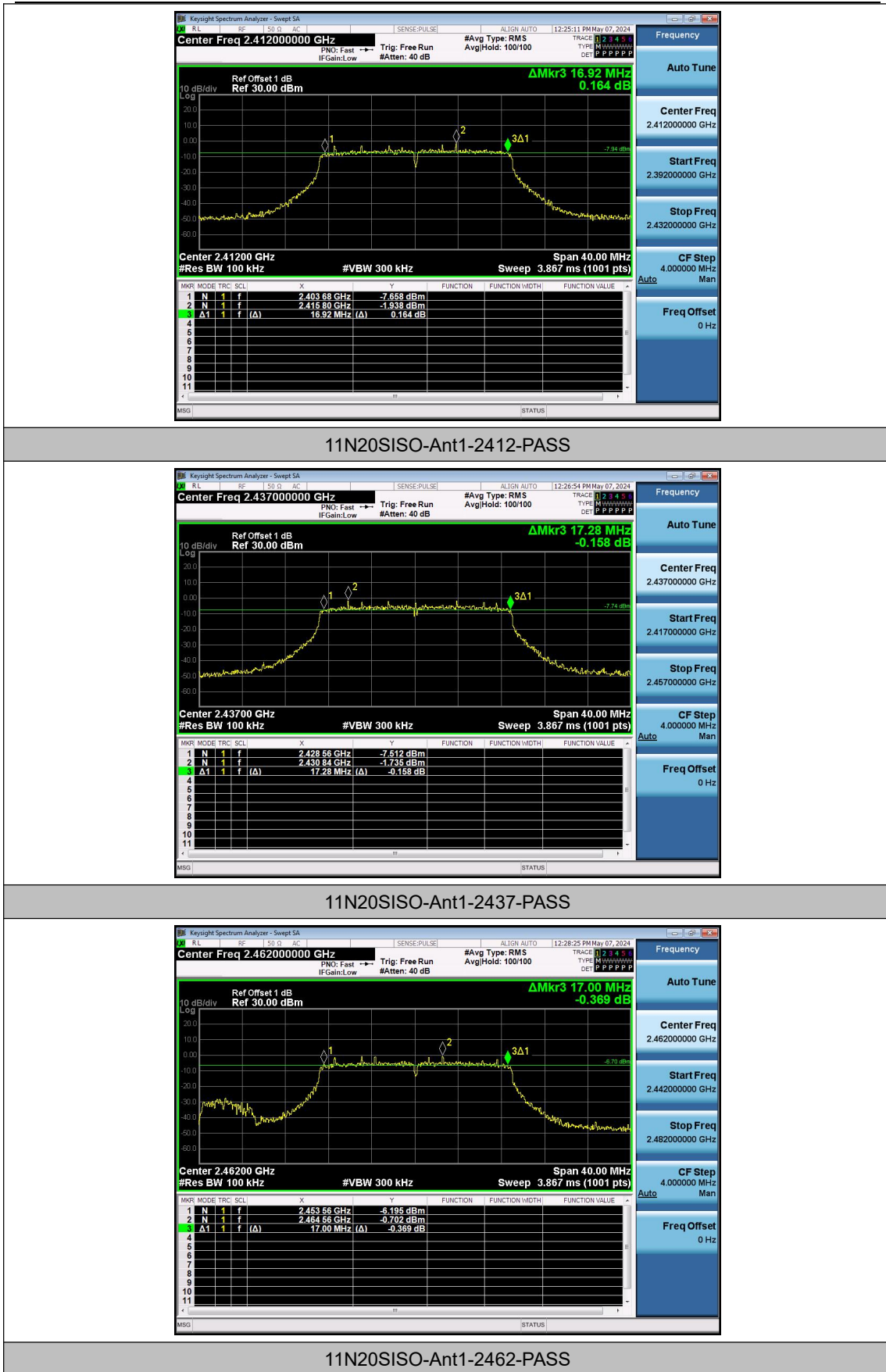


11G-Ant1-2462-PASS

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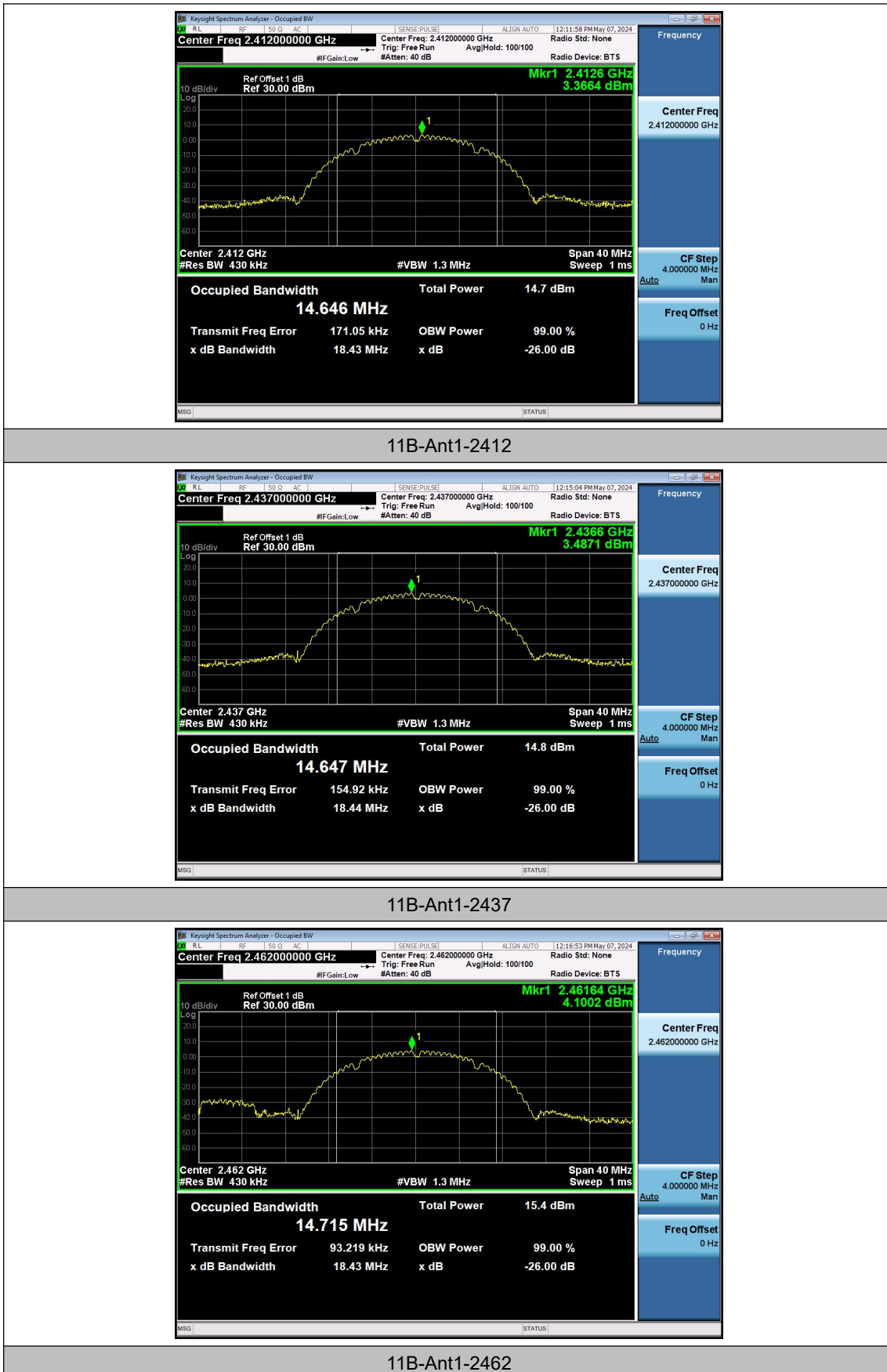
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## Appendix B: 99% Occupied Bandwidth

### Test Result

| TestMode  | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|---------------------------|--------------|-----------|-----------|------------|---------|
| 11B       | Ant1    | 2412                      | 14.646       | 2404.8481 | 2419.4941 | ---        | ---     |
| 11B       | Ant1    | 2437                      | 14.647       | 2429.8314 | 2444.4784 | ---        | ---     |
| 11B       | Ant1    | 2462                      | 14.715       | 2454.7357 | 2469.4507 | ---        | ---     |
| 11G       | Ant1    | 2412                      | 17.083       | 2403.6205 | 2420.7035 | ---        | ---     |
| 11G       | Ant1    | 2437                      | 16.923       | 2428.6358 | 2445.5588 | ---        | ---     |
| 11G       | Ant1    | 2462                      | 16.955       | 2453.6574 | 2470.6124 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                      | 17.902       | 2403.2378 | 2421.1398 | ---        | ---     |
| 11N20SISO | Ant1    | 2437                      | 17.961       | 2428.1495 | 2446.1105 | ---        | ---     |
| 11N20SISO | Ant1    | 2462                      | 17.917       | 2453.1468 | 2471.0638 | ---        | ---     |

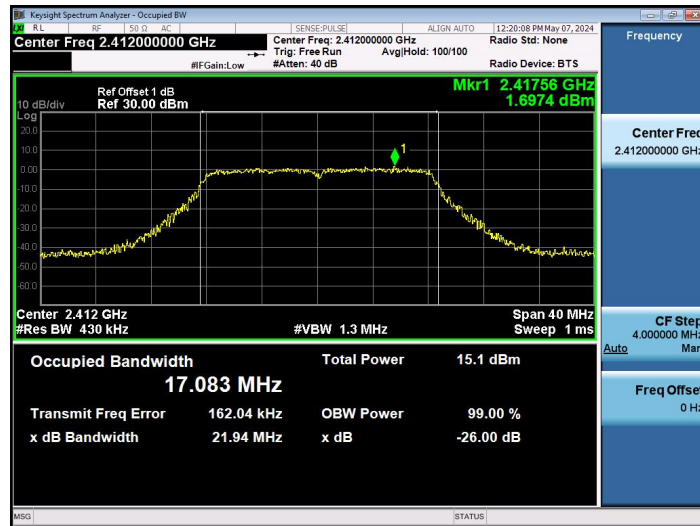
## Test Graphs



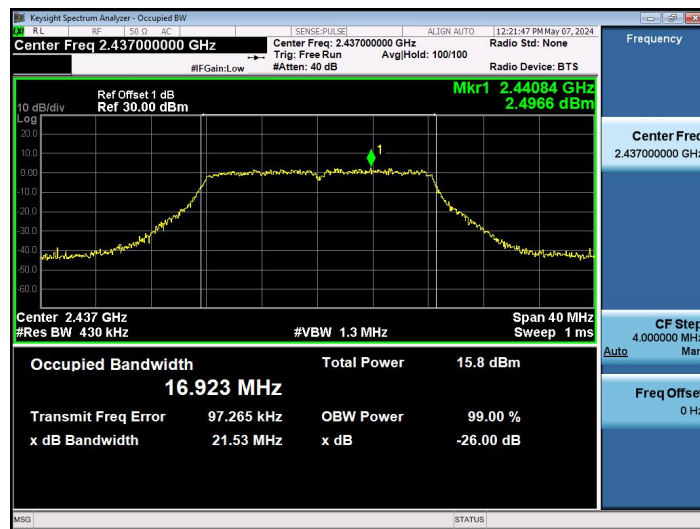
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11G-Ant1-2412



11G-Ant1-2437

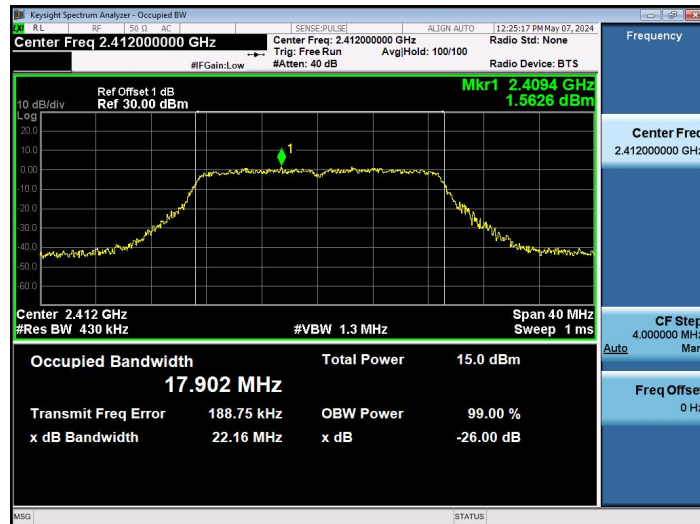


11G-Ant1-2462

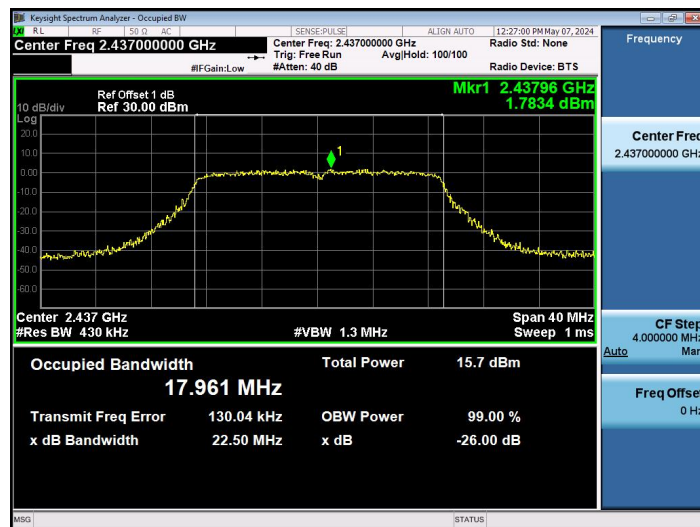
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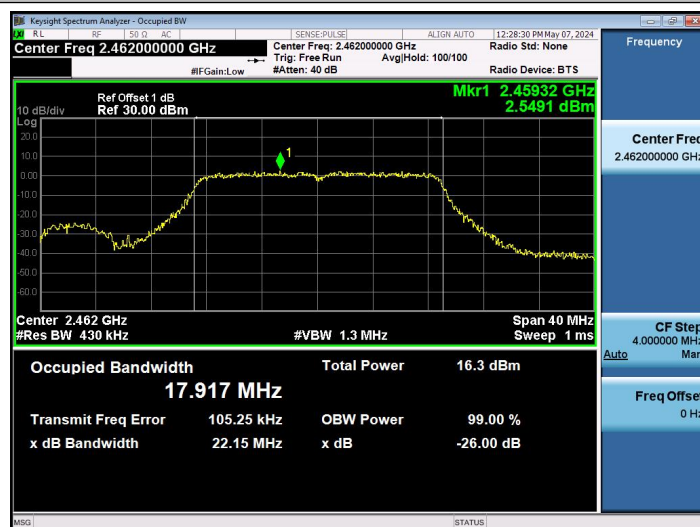
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11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

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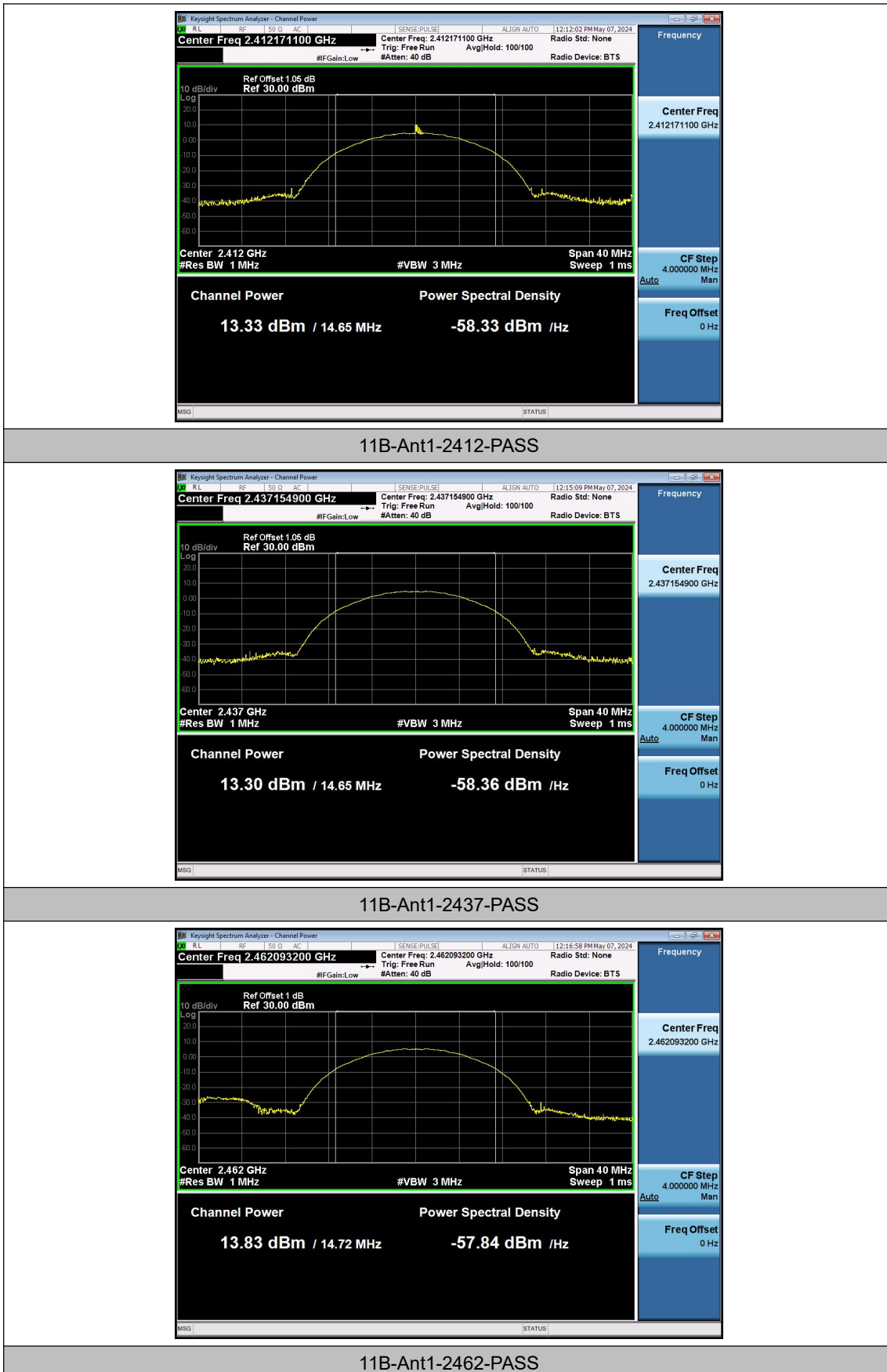
## Appendix C: Maximum conducted output power

### Test Result Average

| Test Mode | Antenna | Frequency[MHz] | Average power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|---------------------|----------------|-----------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412           | 13.28               | 98.96          | 0.05            | 13.33        | ≤30.00      | PASS    |
| 11B       | Ant1    | 2437           | 13.25               | 98.88          | 0.05            | 13.30        | ≤30.00      | PASS    |
| 11B       | Ant1    | 2462           | 13.83               | 100.00         | 0.00            | 13.83        | ≤30.00      | PASS    |
| 11G       | Ant1    | 2412           | 13.50               | 94.09          | 0.26            | 13.76        | ≤30.00      | PASS    |
| 11G       | Ant1    | 2437           | 14.17               | 94.06          | 0.27            | 14.44        | ≤30.00      | PASS    |
| 11G       | Ant1    | 2462           | 14.72               | 94.52          | 0.24            | 14.96        | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 2412           | 13.39               | 93.66          | 0.28            | 13.67        | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 2437           | 14.03               | 93.66          | 0.28            | 14.31        | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 2462           | 14.68               | 93.66          | 0.28            | 14.96        | ≤30.00      | PASS    |

Note: The Duty Cycle Factor( $10 \cdot \log(1/D)$ ) and cable loss are compensated in the graph.

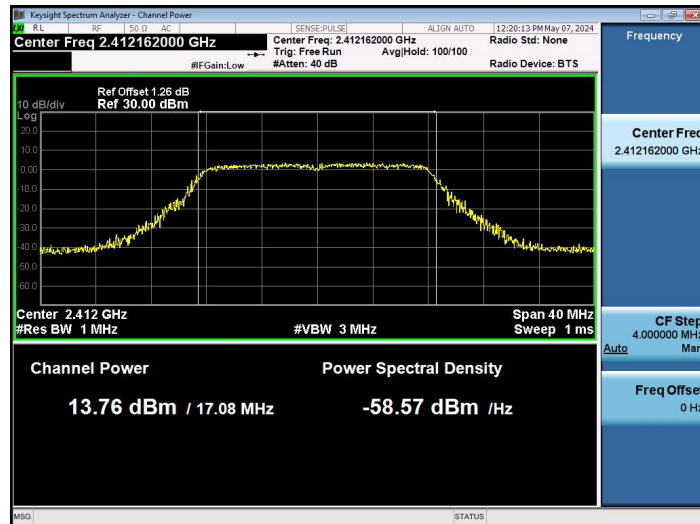
## Test Graphs Average



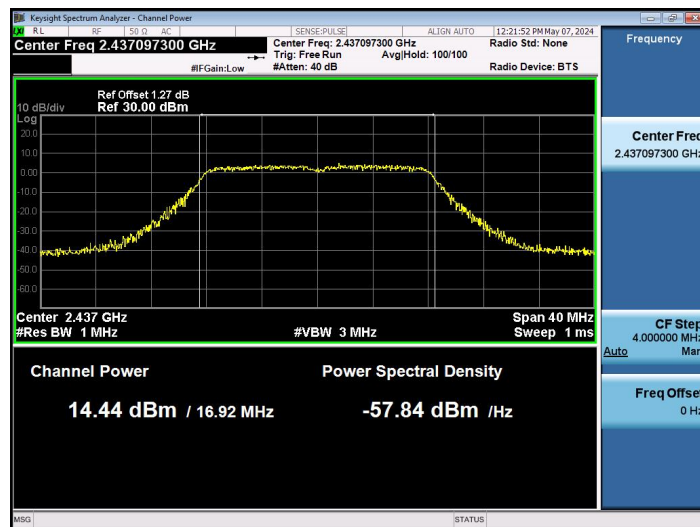
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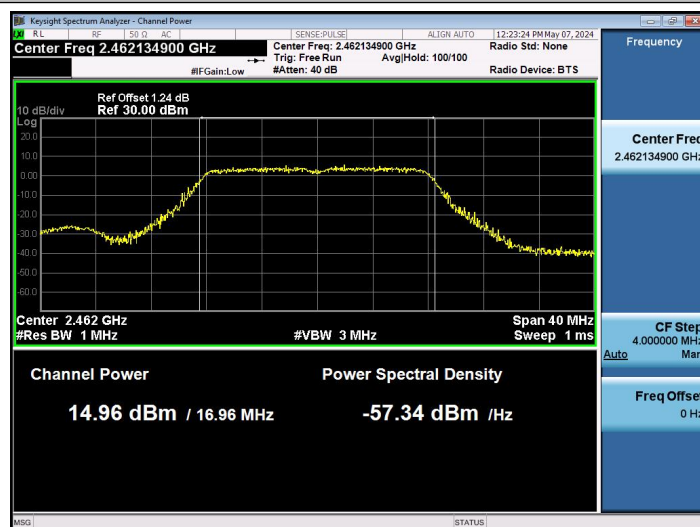
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11G-Ant1-2412-PASS



11G-Ant1-2437-PASS

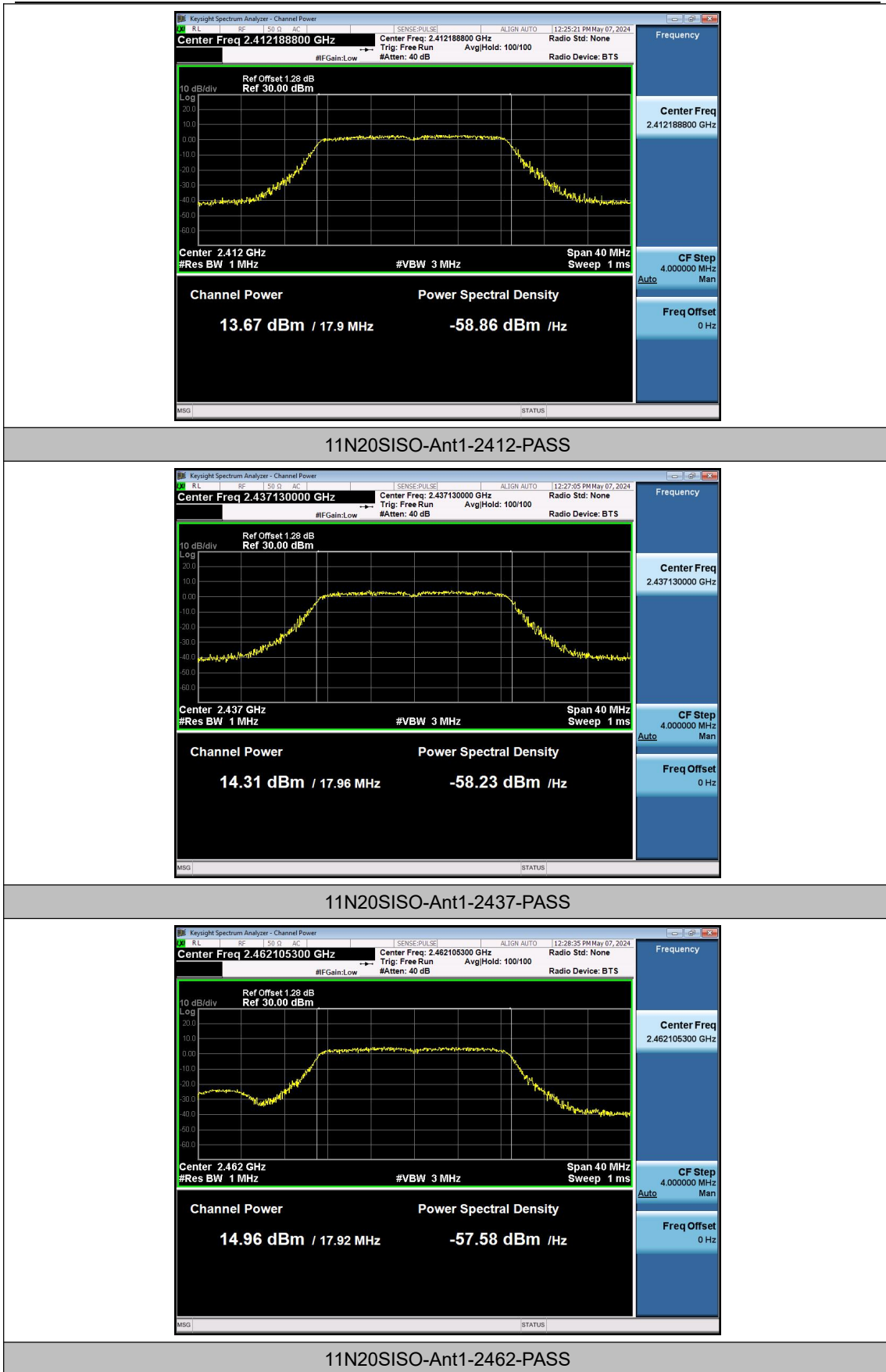


11G-Ant1-2462-PASS

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## Appendix D: Maximum power spectral density

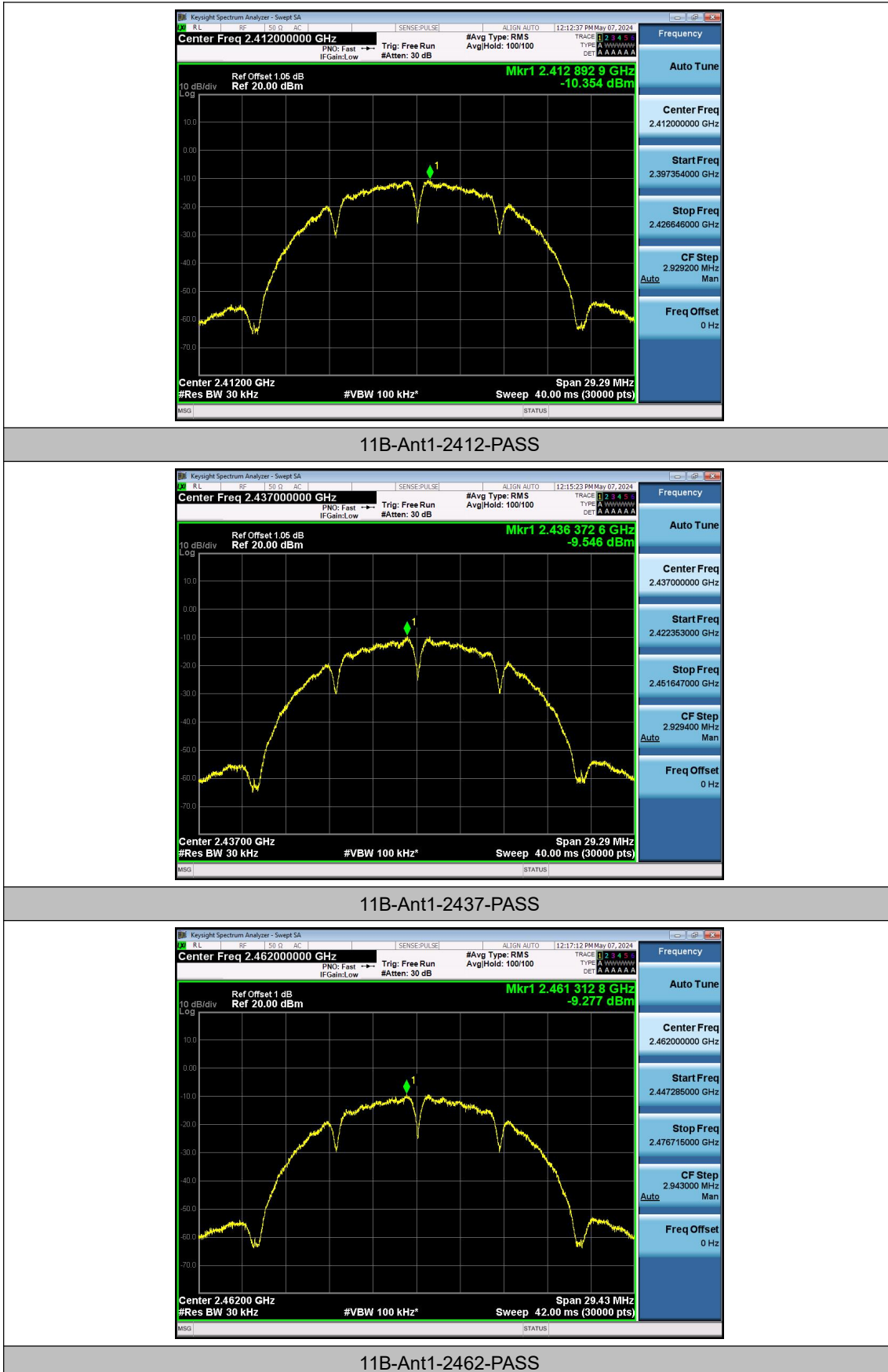
### Test Result

| TestMode      | Antenna | Frequency [MHz] | Result[dBm/30kHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|---------------|---------|-----------------|-------------------|------------------|-----------------|---------|
| 11B           | Ant1    | 2412            | -10.35            | -20.35           | ≤8.00           | PASS    |
| 11B           | Ant1    | 2437            | -9.55             | -19.55           | ≤8.00           | PASS    |
| 11B           | Ant1    | 2462            | -9.28             | -19.28           | ≤8.00           | PASS    |
| 11G           | Ant1    | 2412            | -14.47            | -24.47           | ≤8.00           | PASS    |
| 11G           | Ant1    | 2437            | -14.24            | -24.24           | ≤8.00           | PASS    |
| 11G           | Ant1    | 2462            | -12.86            | -22.86           | ≤8.00           | PASS    |
| 11N20SIS<br>O | Ant1    | 2412            | -15.49            | -25.49           | ≤8.00           | PASS    |
| 11N20SIS<br>O | Ant1    | 2437            | -14.09            | -24.09           | ≤8.00           | PASS    |
| 11N20SIS<br>O | Ant1    | 2462            | -13.45            | -23.45           | ≤8.00           | PASS    |

Note:

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

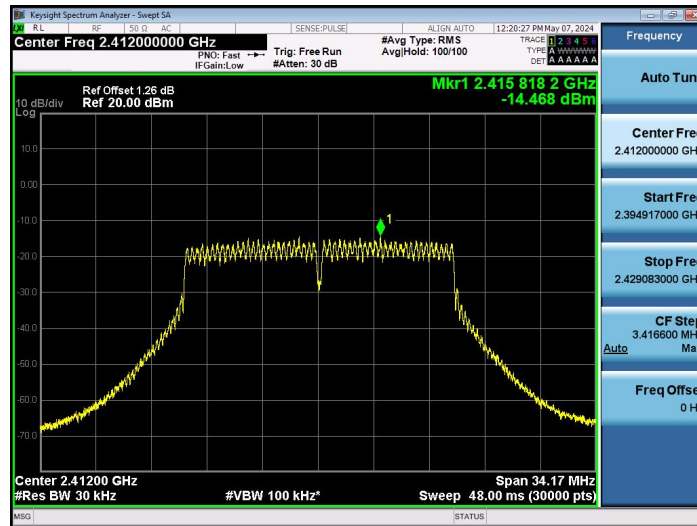
## Test Graphs



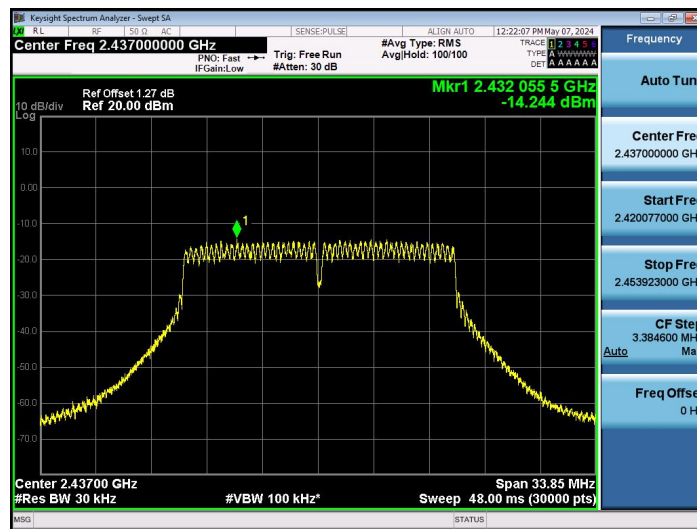
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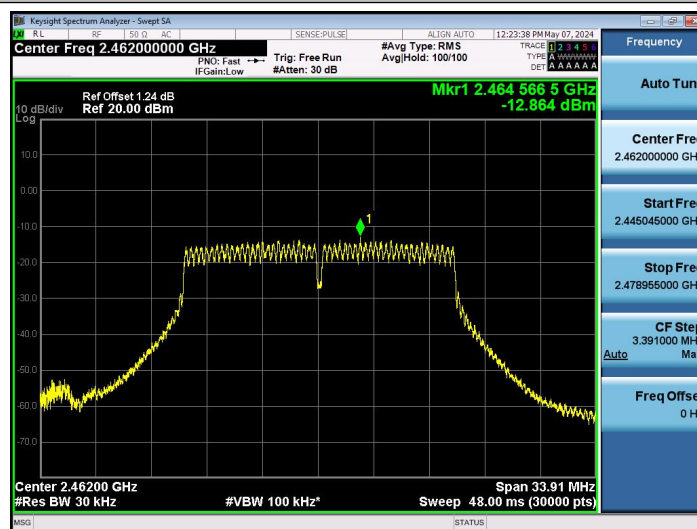
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11G-Ant1-2412-PASS



11G-Ant1-2437-PASS

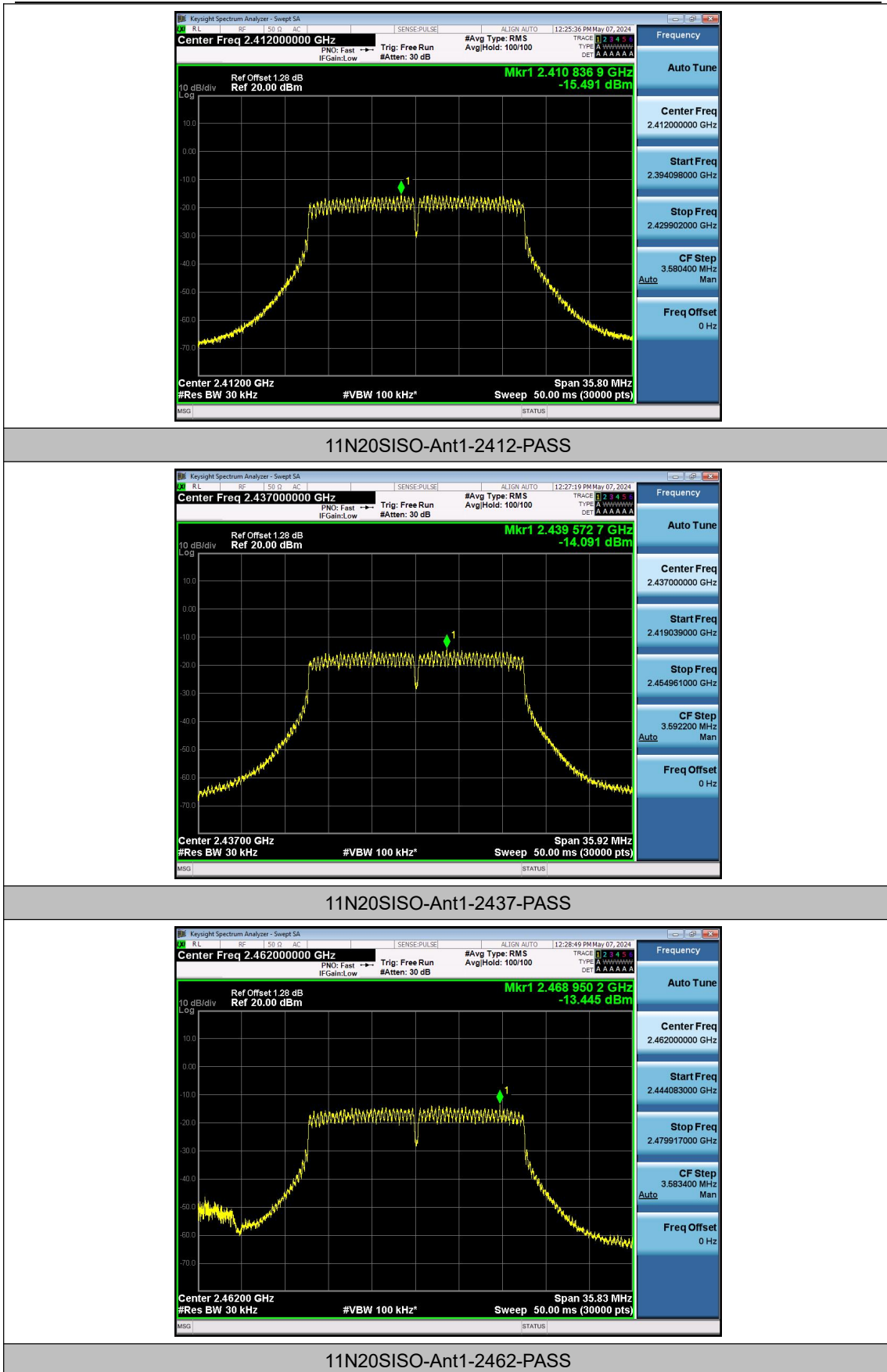


11G-Ant1-2462-PASS

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## Appendix E: Conducted Band edge

### Test Result

| TestMode  | Antenna | Channel | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|----------------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low     | 2412           | 2.32          | -42.4       | ≤-27.68    | PASS    |
| 11B       | Ant1    | High    | 2462           | 3.69          | -52.09      | ≤-26.31    | PASS    |
| 11G       | Ant1    | Low     | 2412           | -2.73         | -40.91      | ≤-32.73    | PASS    |
| 11G       | Ant1    | High    | 2462           | -1.07         | -52.18      | ≤-31.07    | PASS    |
| 11N20SISO | Ant1    | Low     | 2412           | -1.81         | -40.57      | ≤-31.81    | PASS    |
| 11N20SISO | Ant1    | High    | 2462           | -1.06         | -50.03      | ≤-31.06    | PASS    |