

## Appendix Test Data

|                  |                     |                    |                    |
|------------------|---------------------|--------------------|--------------------|
| Report No.:      | 1812C60057312501-01 | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2026-1-23           | Finish Test Date:  | 2026-2-2           |
| Test Engineer:   | <i>Alex Peng</i>    | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 23.0°C              | Relative Humidity: | 51%                |
| Pressure:        | 101kPa              |                    |                    |



## Appendix A: 6dB Bandwidth

### Test Result

| Test Mode  | Antenna | Frequency[MHz] | 6dB BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B        | Ant1    | 2412           | 8.240        | 2407.920 | 2416.160 | 0.5        | PASS    |
| 11B        | Ant1    | 2437           | 7.720        | 2433.400 | 2441.120 | 0.5        | PASS    |
| 11B        | Ant1    | 2462           | 8.720        | 2457.960 | 2466.680 | 0.5        | PASS    |
| 11G        | Ant1    | 2412           | 16.200       | 2403.960 | 2420.160 | 0.5        | PASS    |
| 11G        | Ant1    | 2437           | 15.840       | 2429.240 | 2445.080 | 0.5        | PASS    |
| 11G        | Ant1    | 2462           | 16.440       | 2453.760 | 2470.200 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2412           | 17.440       | 2403.320 | 2420.760 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2437           | 17.360       | 2428.360 | 2445.720 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2462           | 17.560       | 2453.240 | 2470.800 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2422           | 36.240       | 2403.840 | 2440.080 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2437           | 33.040       | 2422.040 | 2455.080 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2452           | 35.840       | 2434.400 | 2470.240 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2412           | 18.560       | 2402.720 | 2421.280 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2437           | 18.400       | 2427.760 | 2446.160 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2462           | 18.800       | 2452.480 | 2471.280 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2422           | 37.040       | 2403.120 | 2440.160 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2437           | 37.680       | 2418.120 | 2455.800 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2452           | 36.960       | 2433.120 | 2470.080 | 0.5        | PASS    |

## Test Graphs



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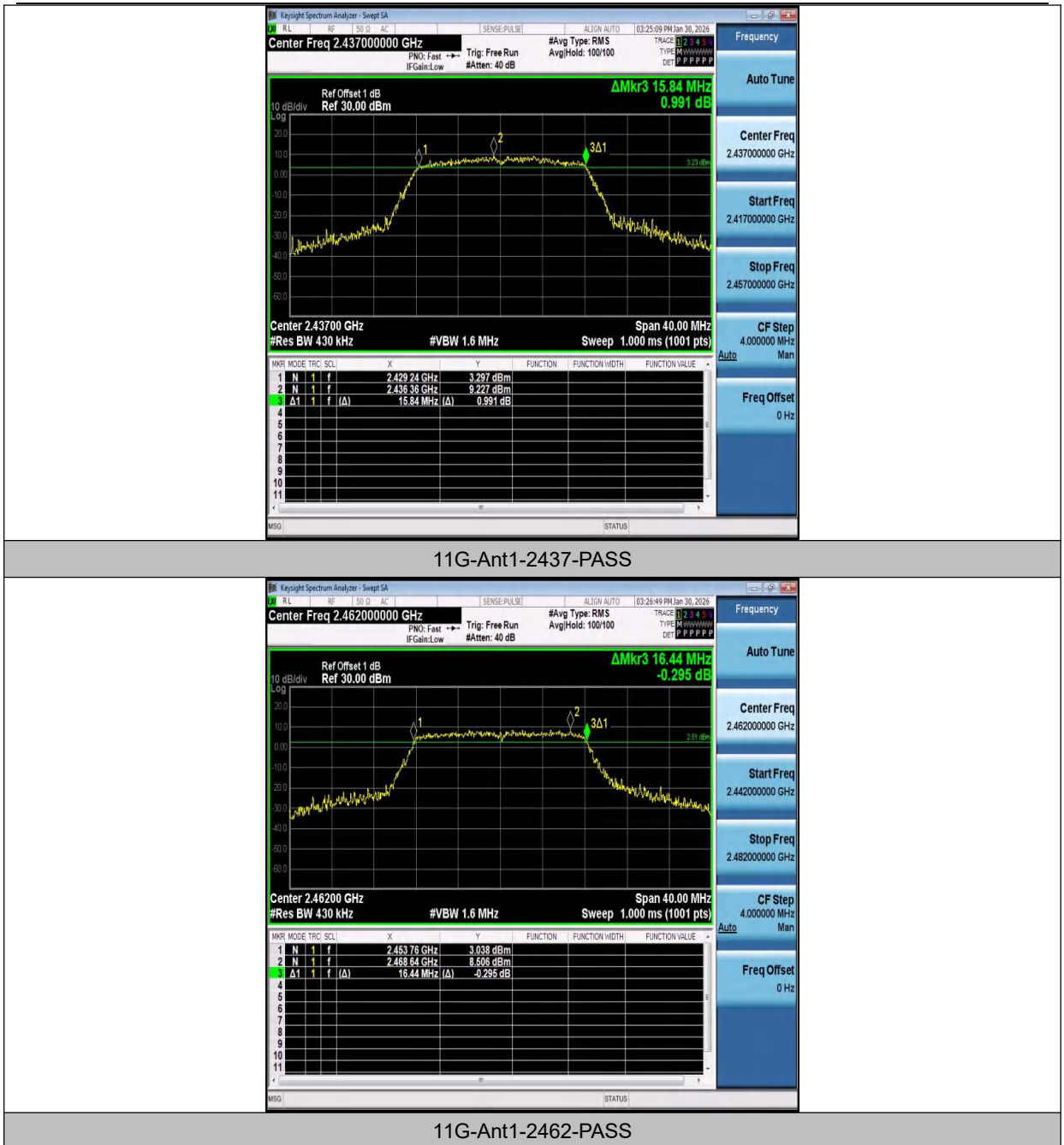
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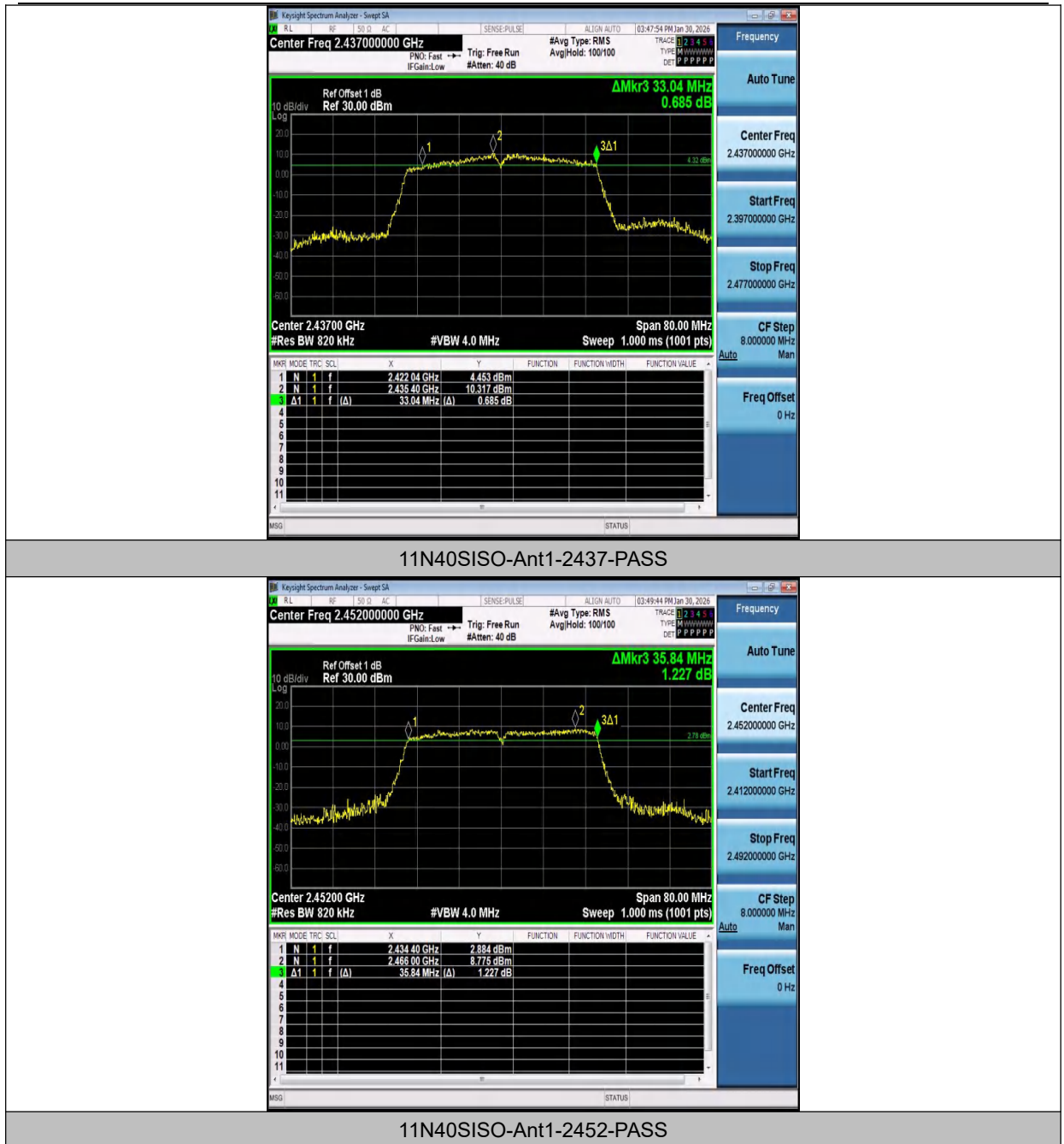
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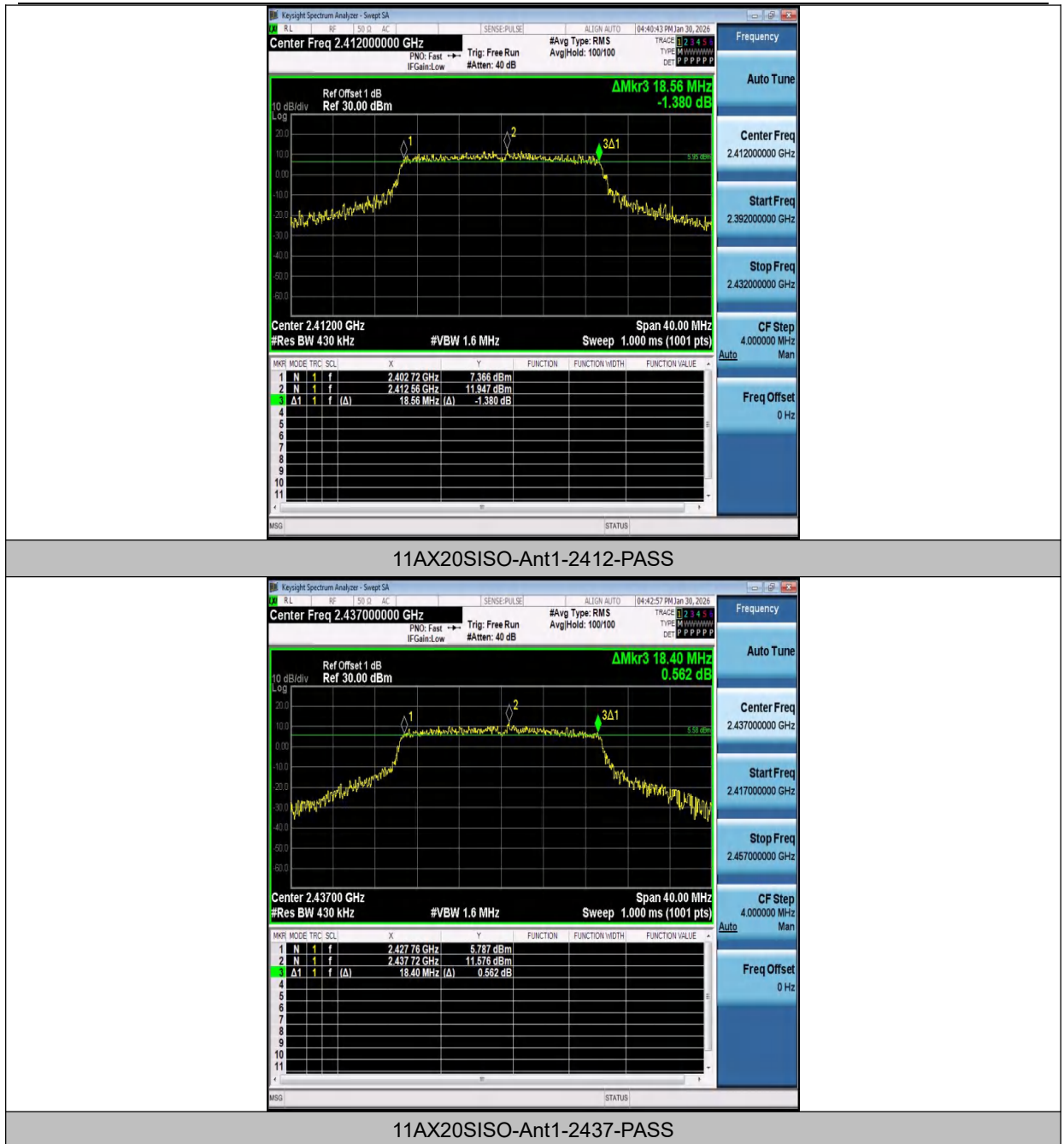


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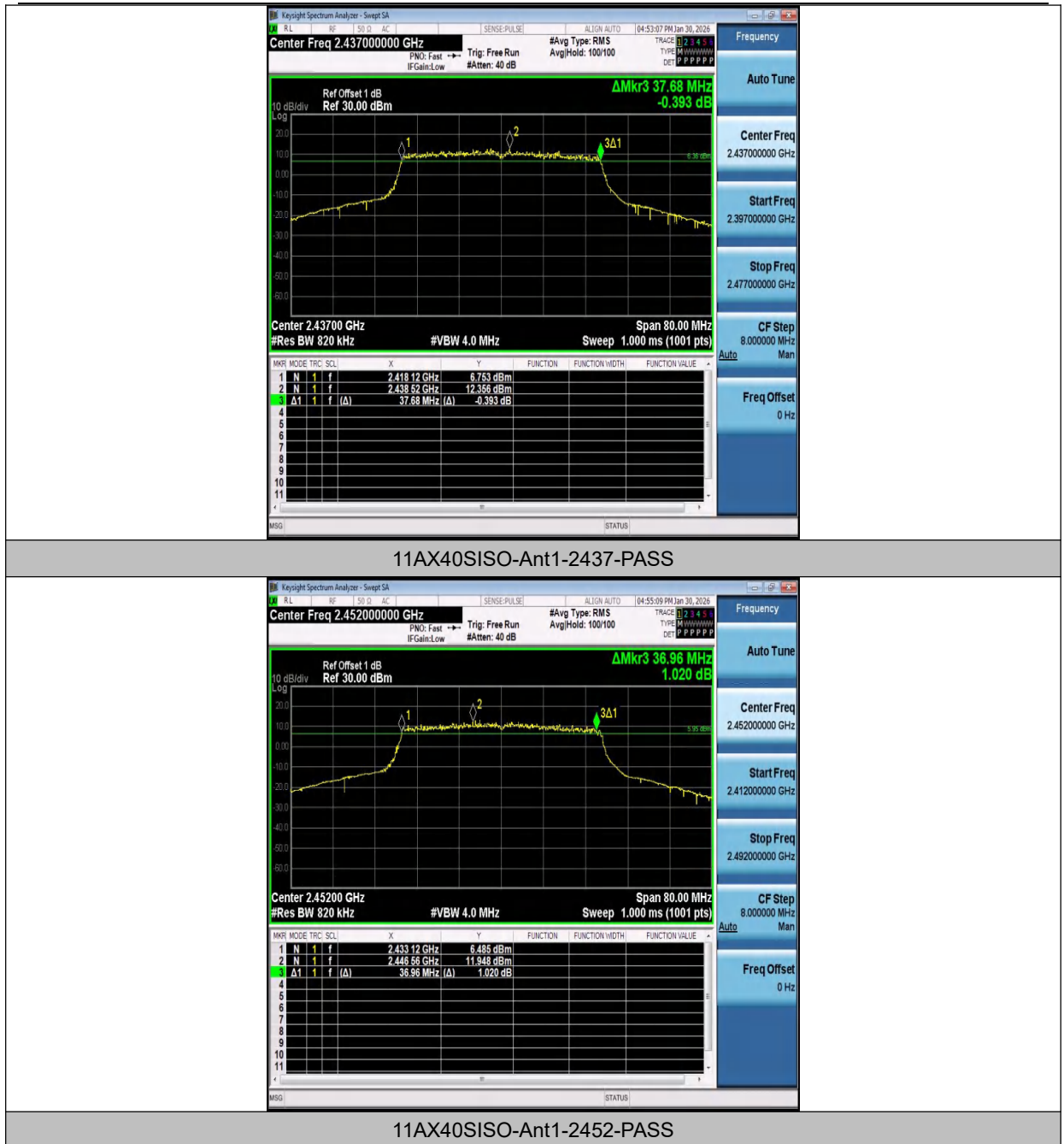
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## Appendix B: 99% Occupied Bandwidth

### Test Result

| Test Mode  | Antenna | Channel Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|------------------------|-----------|-----------|-----------|------------|---------|
| 11B        | Ant1    | 2412                   | 12.827    | 2405.6767 | 2418.5037 | ---        | ---     |
| 11B        | Ant1    | 2437                   | 12.594    | 2430.8392 | 2443.4332 | ---        | ---     |
| 11B        | Ant1    | 2462                   | 12.896    | 2455.6970 | 2468.5930 | ---        | ---     |
| 11G        | Ant1    | 2412                   | 16.886    | 2403.5990 | 2420.4850 | ---        | ---     |
| 11G        | Ant1    | 2437                   | 16.901    | 2428.6468 | 2445.5478 | ---        | ---     |
| 11G        | Ant1    | 2462                   | 17.064    | 2453.5236 | 2470.5876 | ---        | ---     |
| 11N20SISO  | Ant1    | 2412                   | 17.951    | 2403.0691 | 2421.0201 | ---        | ---     |
| 11N20SISO  | Ant1    | 2437                   | 17.786    | 2428.2001 | 2445.9861 | ---        | ---     |
| 11N20SISO  | Ant1    | 2462                   | 17.925    | 2453.0699 | 2470.9949 | ---        | ---     |
| 11N40SISO  | Ant1    | 2422                   | 36.577    | 2403.6207 | 2440.1977 | ---        | ---     |
| 11N40SISO  | Ant1    | 2437                   | 36.009    | 2419.2384 | 2455.2474 | ---        | ---     |
| 11N40SISO  | Ant1    | 2452                   | 36.207    | 2434.1289 | 2470.3359 | ---        | ---     |
| 11AX20SISO | Ant1    | 2412                   | 19.147    | 2402.4142 | 2421.5612 | ---        | ---     |
| 11AX20SISO | Ant1    | 2437                   | 19.051    | 2427.4731 | 2446.5241 | ---        | ---     |
| 11AX20SISO | Ant1    | 2462                   | 19.161    | 2452.4532 | 2471.6142 | ---        | ---     |
| 11AX40SISO | Ant1    | 2422                   | 38.360    | 2402.7871 | 2441.1471 | ---        | ---     |
| 11AX40SISO | Ant1    | 2437                   | 38.278    | 2417.8050 | 2456.0830 | ---        | ---     |
| 11AX40SISO | Ant1    | 2452                   | 38.320    | 2432.8120 | 2471.1320 | ---        | ---     |

## Test Graphs



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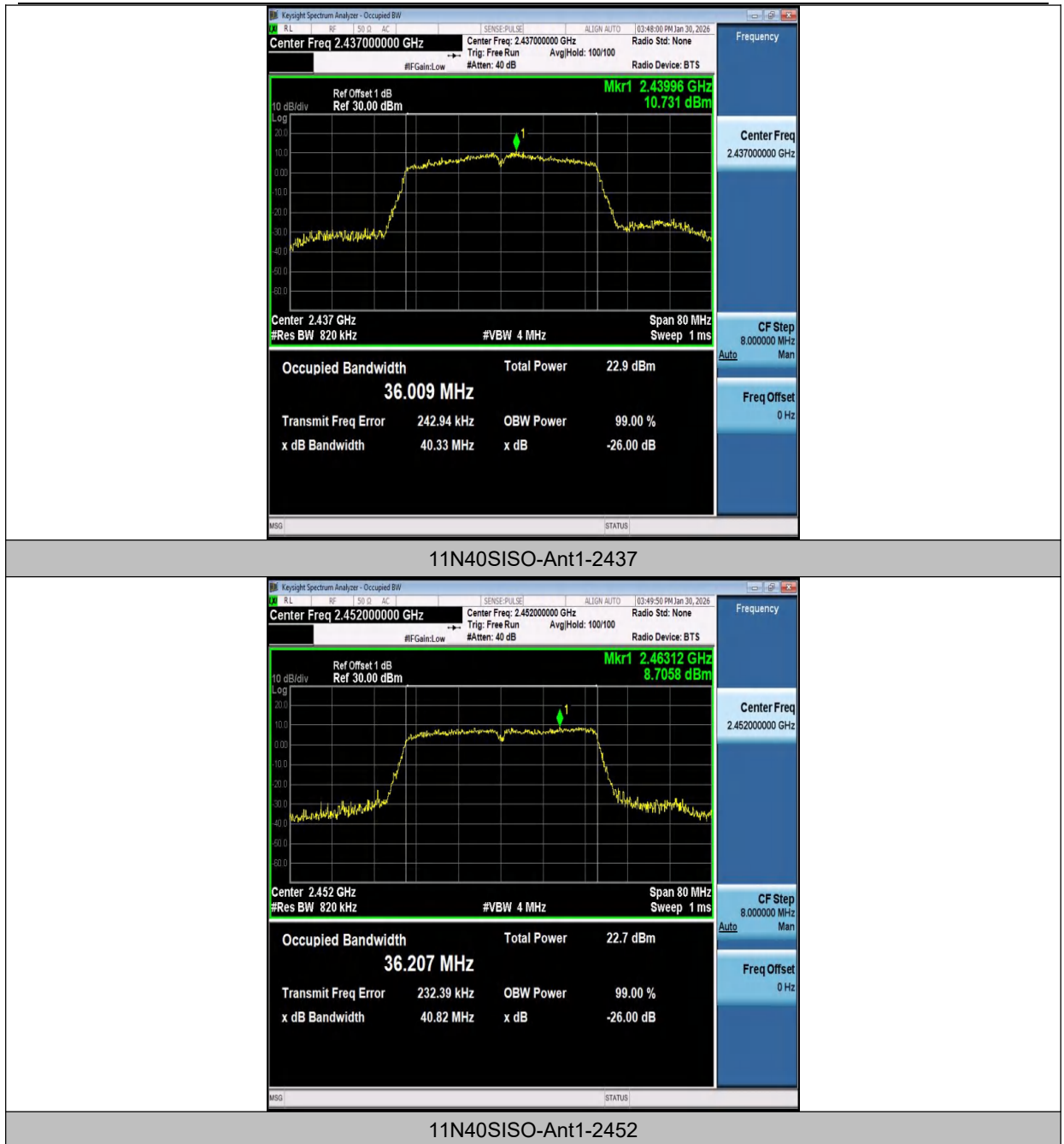
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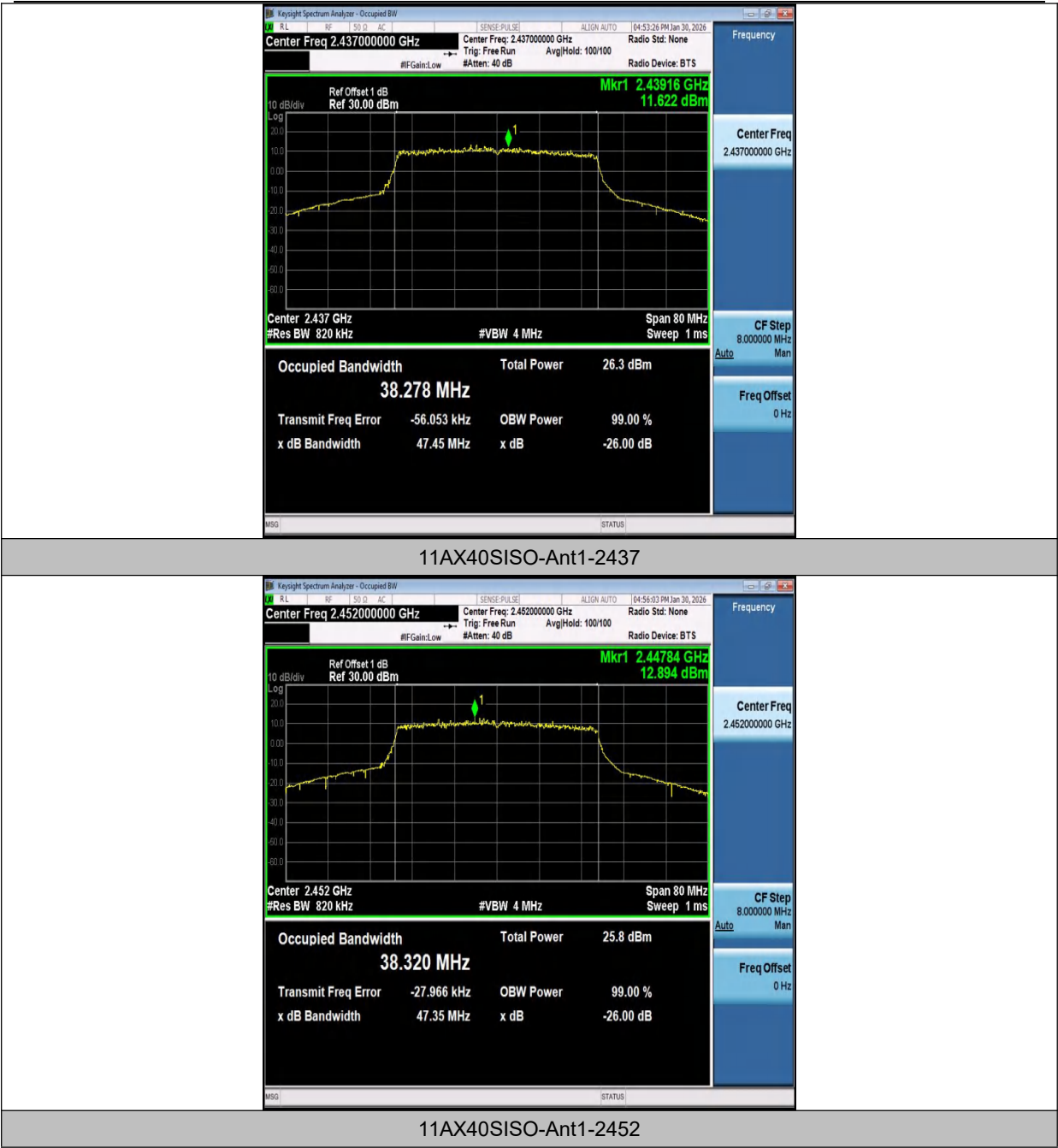
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## Appendix C: Maximum conducted output power

### Test Result Average

| Test Mode  | Antenna | Frequency[MHz] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|--------------|-------------|---------|
| 11B        | Ant1    | 2412           | 15.07        | ≤30.00      | PASS    |
| 11B        | Ant1    | 2437           | 14.80        | ≤30.00      | PASS    |
| 11B        | Ant1    | 2462           | 14.27        | ≤30.00      | PASS    |
| 11G        | Ant1    | 2412           | 15.06        | ≤30.00      | PASS    |
| 11G        | Ant1    | 2437           | <b>15.97</b> | ≤30.00      | PASS    |
| 11G        | Ant1    | 2462           | 15.74        | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 2412           | 15.62        | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 2437           | 15.43        | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 2462           | 15.55        | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 2422           | 14.66        | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 2437           | 15.50        | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 2452           | 15.28        | ≤30.00      | PASS    |
| 11AX20SISO | Ant1    | 2412           | 14.20        | ≤30.00      | PASS    |
| 11AX20SISO | Ant1    | 2437           | 14.07        | ≤30.00      | PASS    |
| 11AX20SISO | Ant1    | 2462           | 14.40        | ≤30.00      | PASS    |
| 11AX40SISO | Ant1    | 2422           | 13.38        | ≤30.00      | PASS    |
| 11AX40SISO | Ant1    | 2437           | 13.94        | ≤30.00      | PASS    |
| 11AX40SISO | Ant1    | 2452           | 13.83        | ≤30.00      | PASS    |

Note: The cable loss are compensated in the graph.

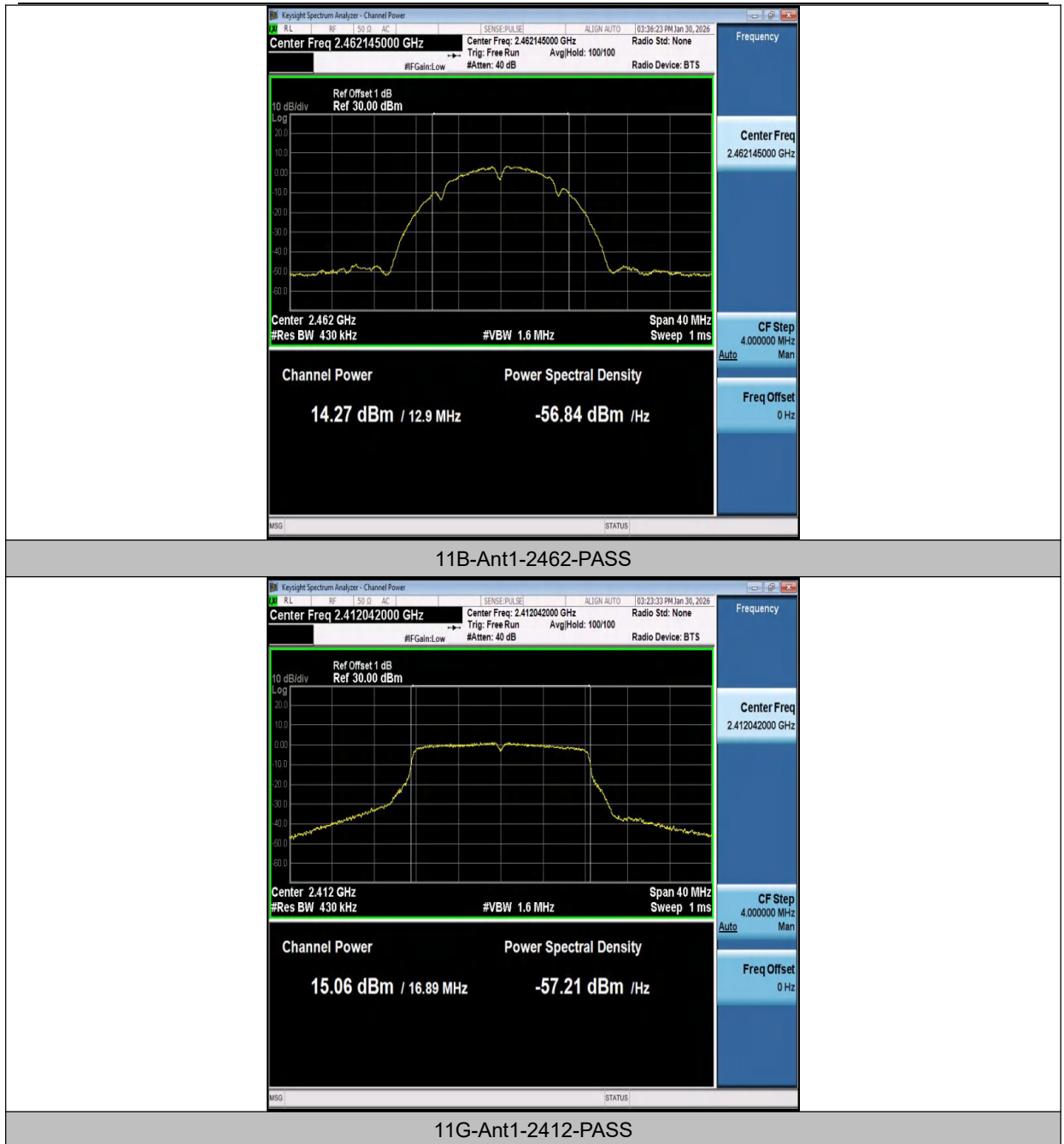
## Test Graphs Average



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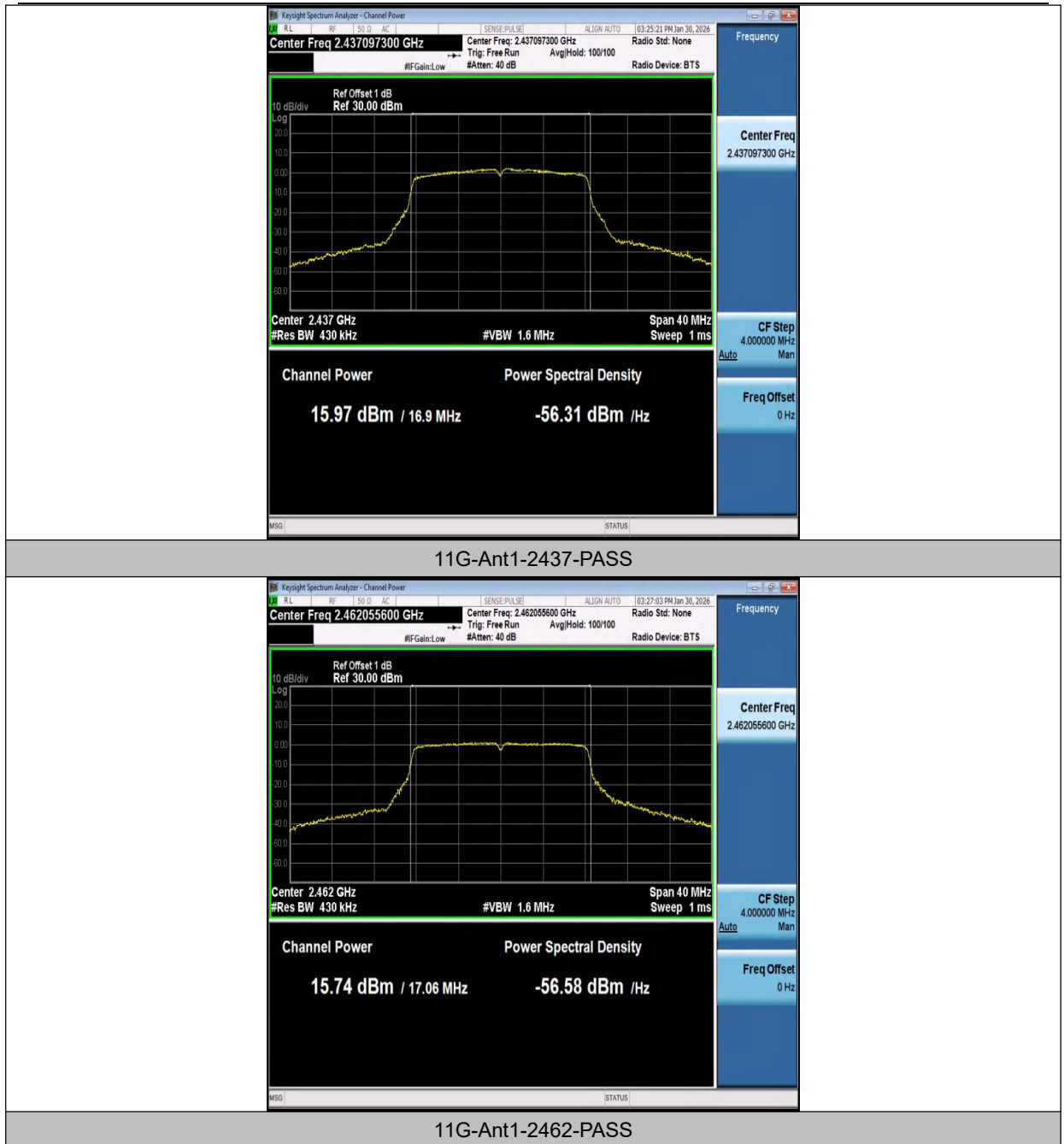
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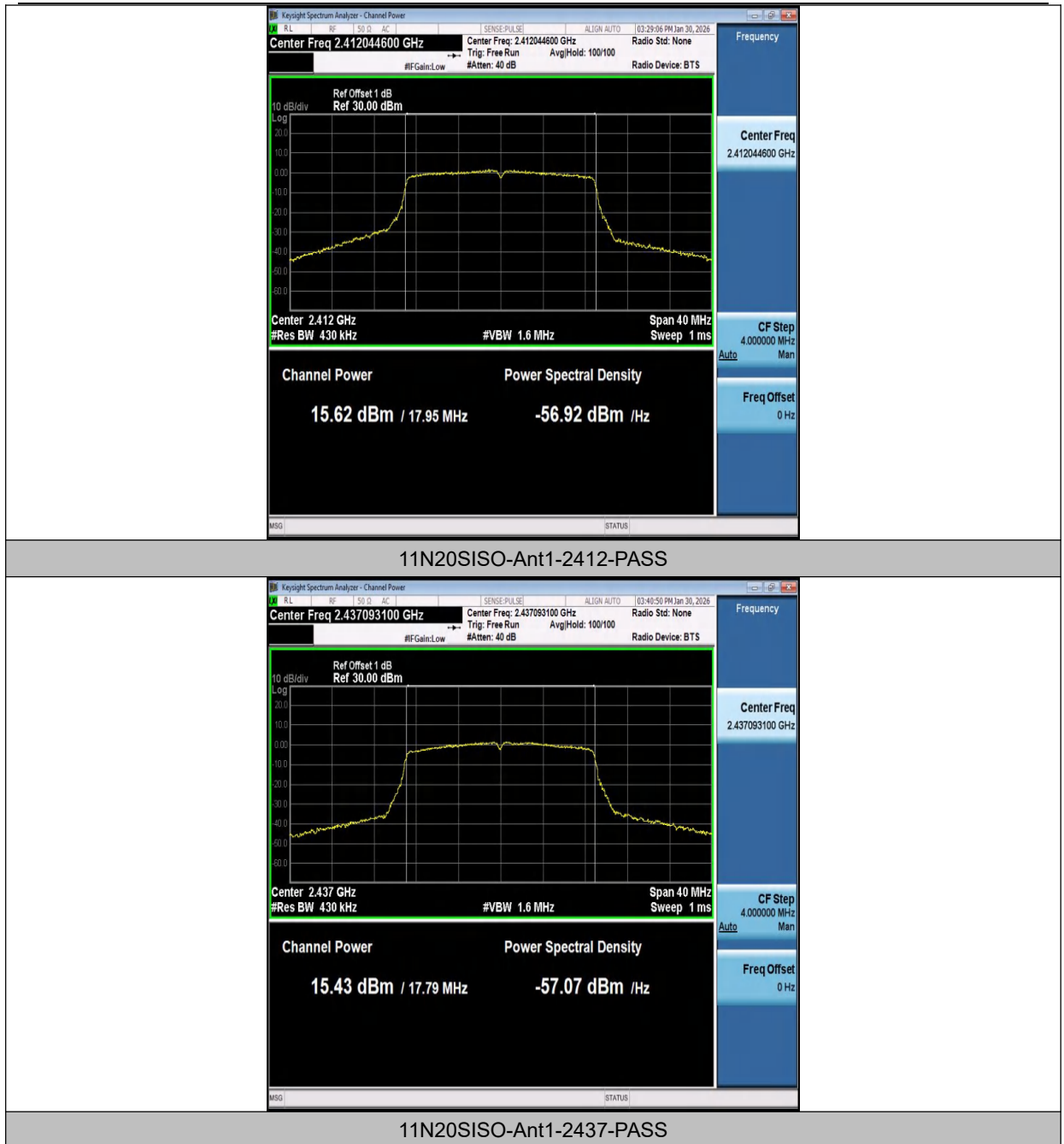
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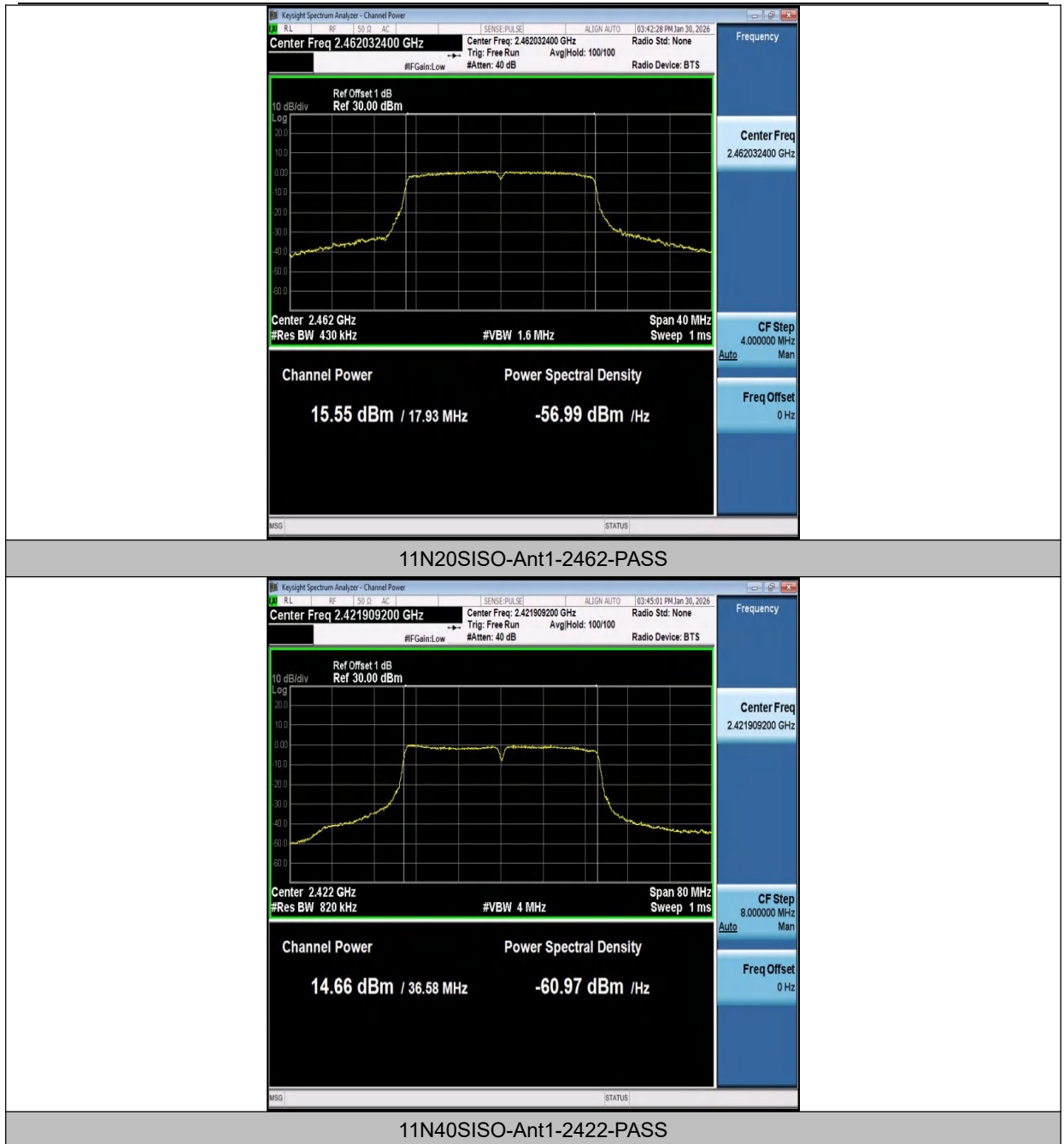
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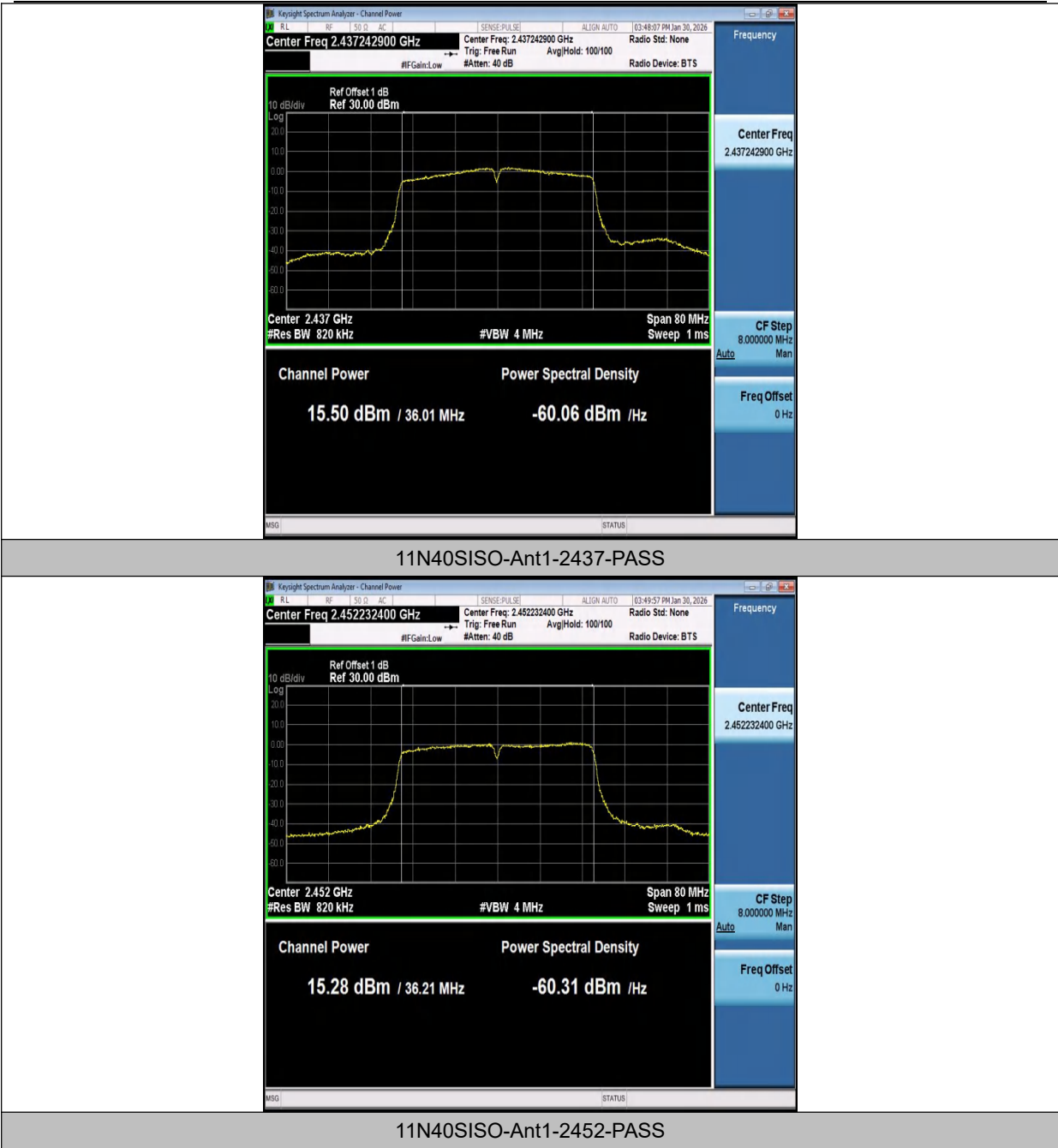
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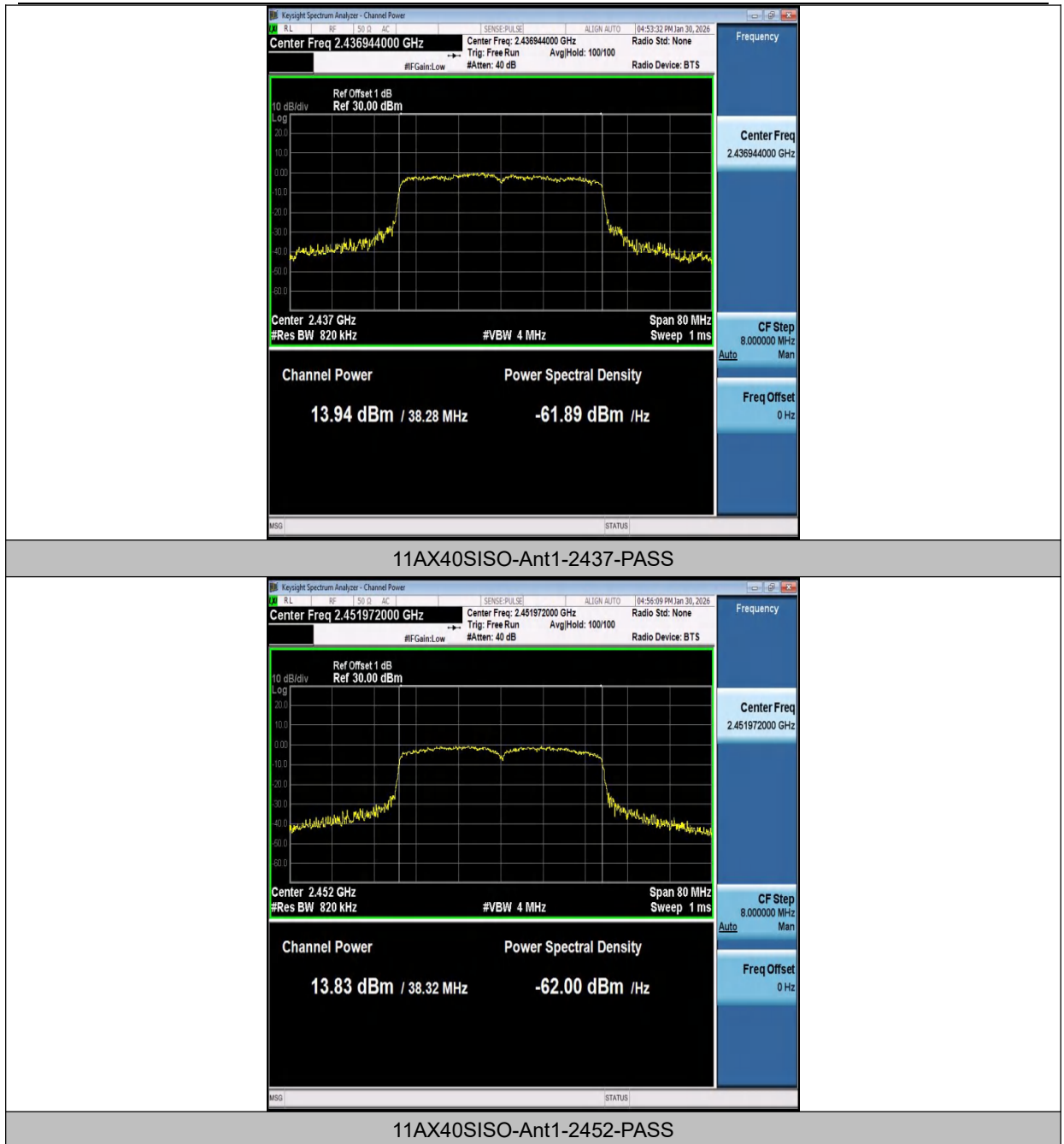
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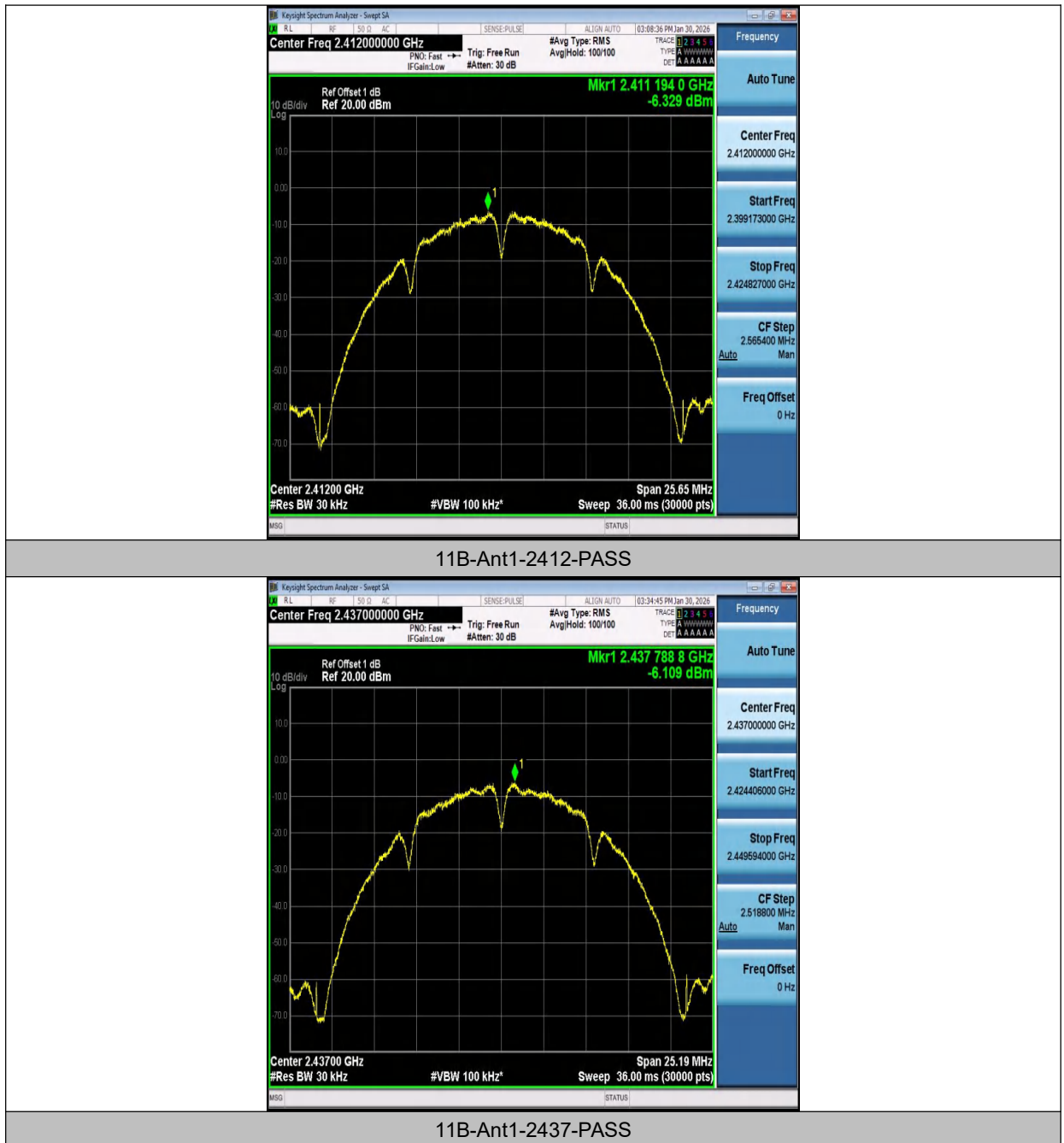
## Appendix D: Maximum power spectral density

### Test Result

| Test Mode  | Antenna | Frequency[MHz] | Result[dBm/30kHz] | Limit[dBm/3kHz] | Verdict |
|------------|---------|----------------|-------------------|-----------------|---------|
| 11B        | Ant1    | 2412           | -6.33             | ≤8.00           | PASS    |
| 11B        | Ant1    | 2437           | -6.11             | ≤8.00           | PASS    |
| 11B        | Ant1    | 2462           | -7.19             | ≤8.00           | PASS    |
| 11G        | Ant1    | 2412           | -8.42             | ≤8.00           | PASS    |
| 11G        | Ant1    | 2437           | -7.20             | ≤8.00           | PASS    |
| 11G        | Ant1    | 2462           | -8.52             | ≤8.00           | PASS    |
| 11N20SISO  | Ant1    | 2412           | -8.24             | ≤8.00           | PASS    |
| 11N20SISO  | Ant1    | 2437           | -7.99             | ≤8.00           | PASS    |
| 11N20SISO  | Ant1    | 2462           | -8.48             | ≤8.00           | PASS    |
| 11N40SISO  | Ant1    | 2422           | -12.62            | ≤8.00           | PASS    |
| 11N40SISO  | Ant1    | 2437           | -10.41            | ≤8.00           | PASS    |
| 11N40SISO  | Ant1    | 2452           | -11.53            | ≤8.00           | PASS    |
| 11AX20SISO | Ant1    | 2412           | -7.32             | ≤8.00           | PASS    |
| 11AX20SISO | Ant1    | 2437           | -7.57             | ≤8.00           | PASS    |
| 11AX20SISO | Ant1    | 2462           | -7.48             | ≤8.00           | PASS    |
| 11AX40SISO | Ant1    | 2422           | -9.94             | ≤8.00           | PASS    |
| 11AX40SISO | Ant1    | 2437           | -9.73             | ≤8.00           | PASS    |
| 11AX40SISO | Ant1    | 2452           | -11.04            | ≤8.00           | PASS    |

Note: The cable loss are compensated in the graph.

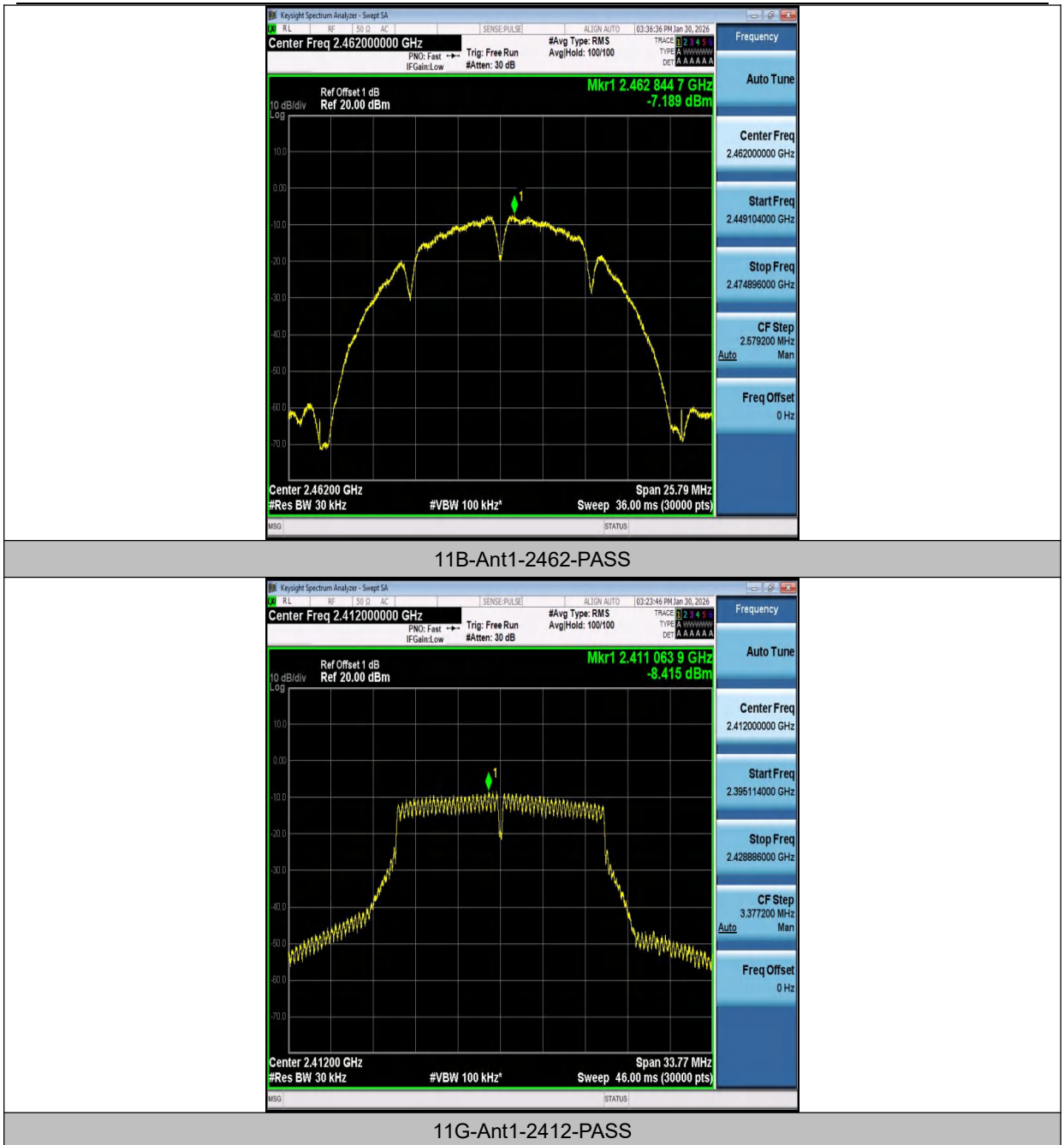
## Test Graphs



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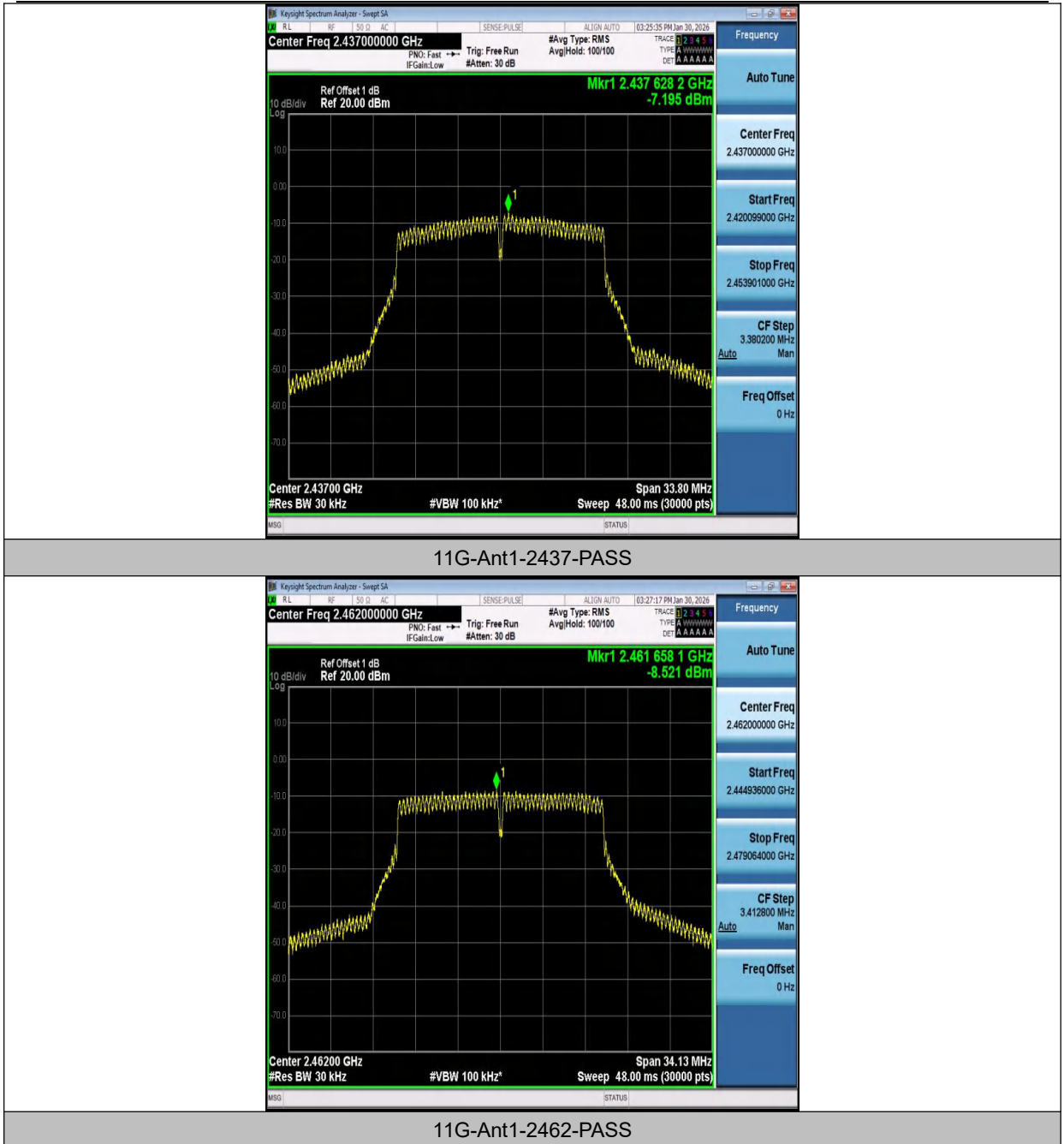
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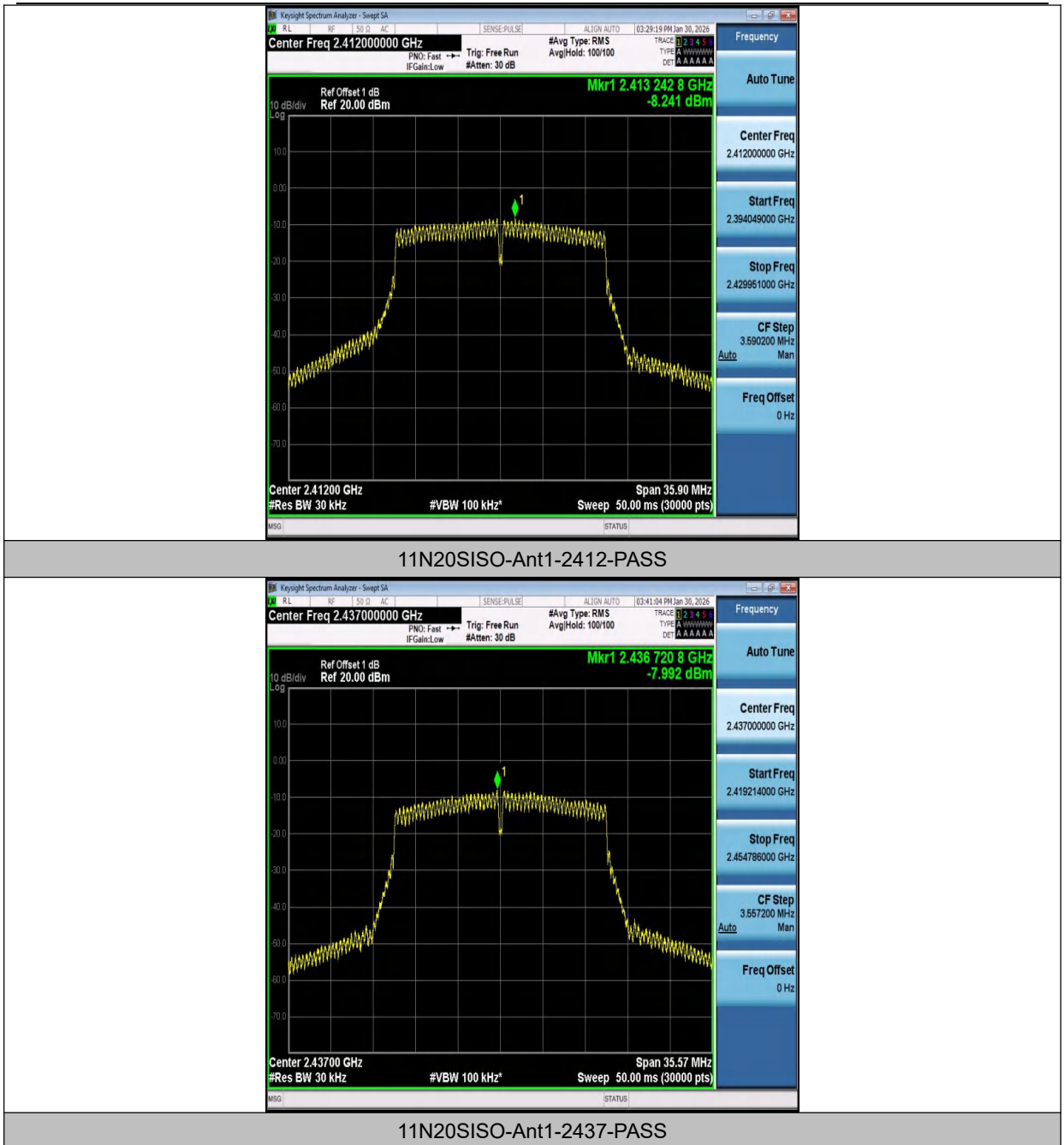
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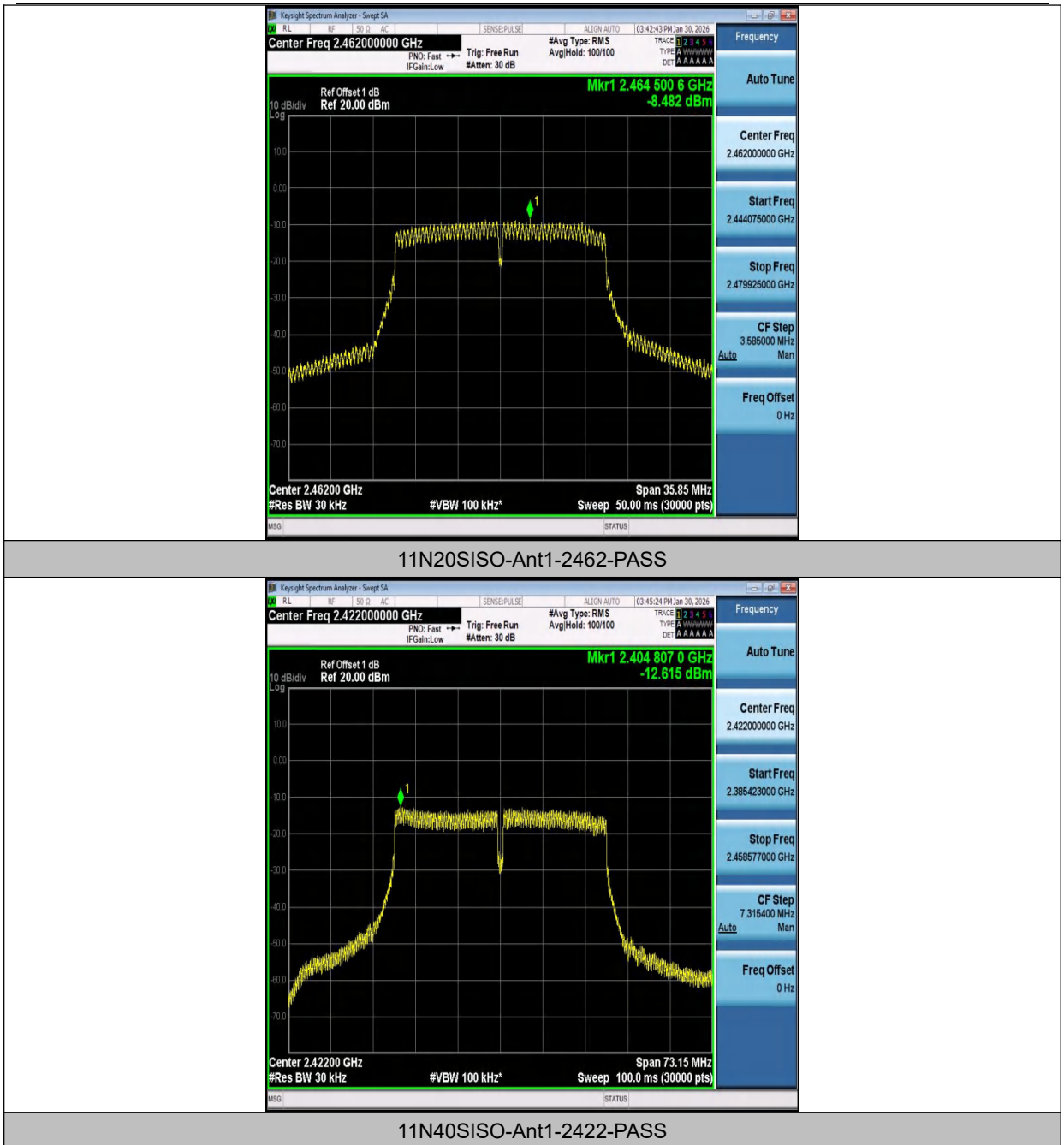
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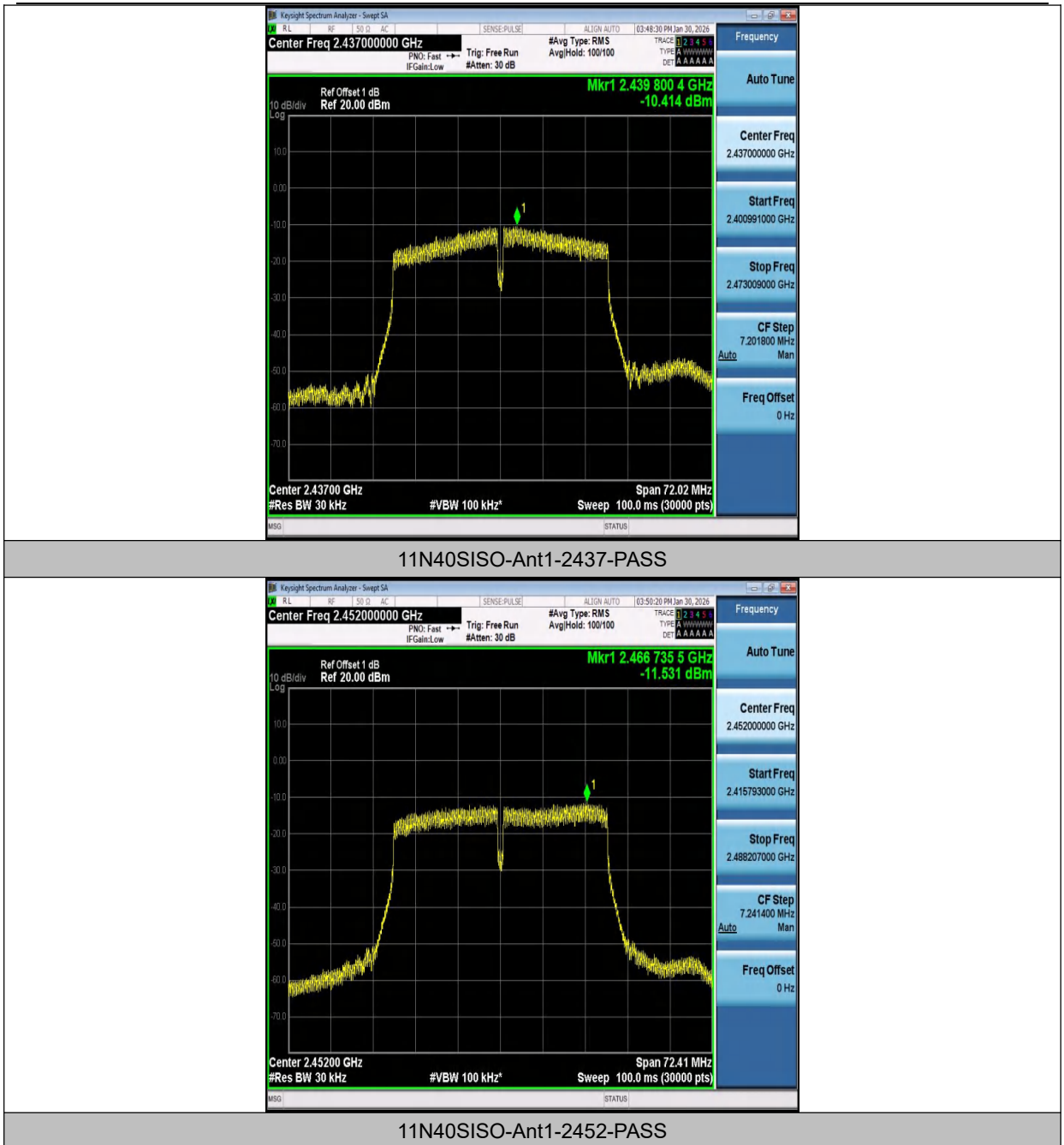
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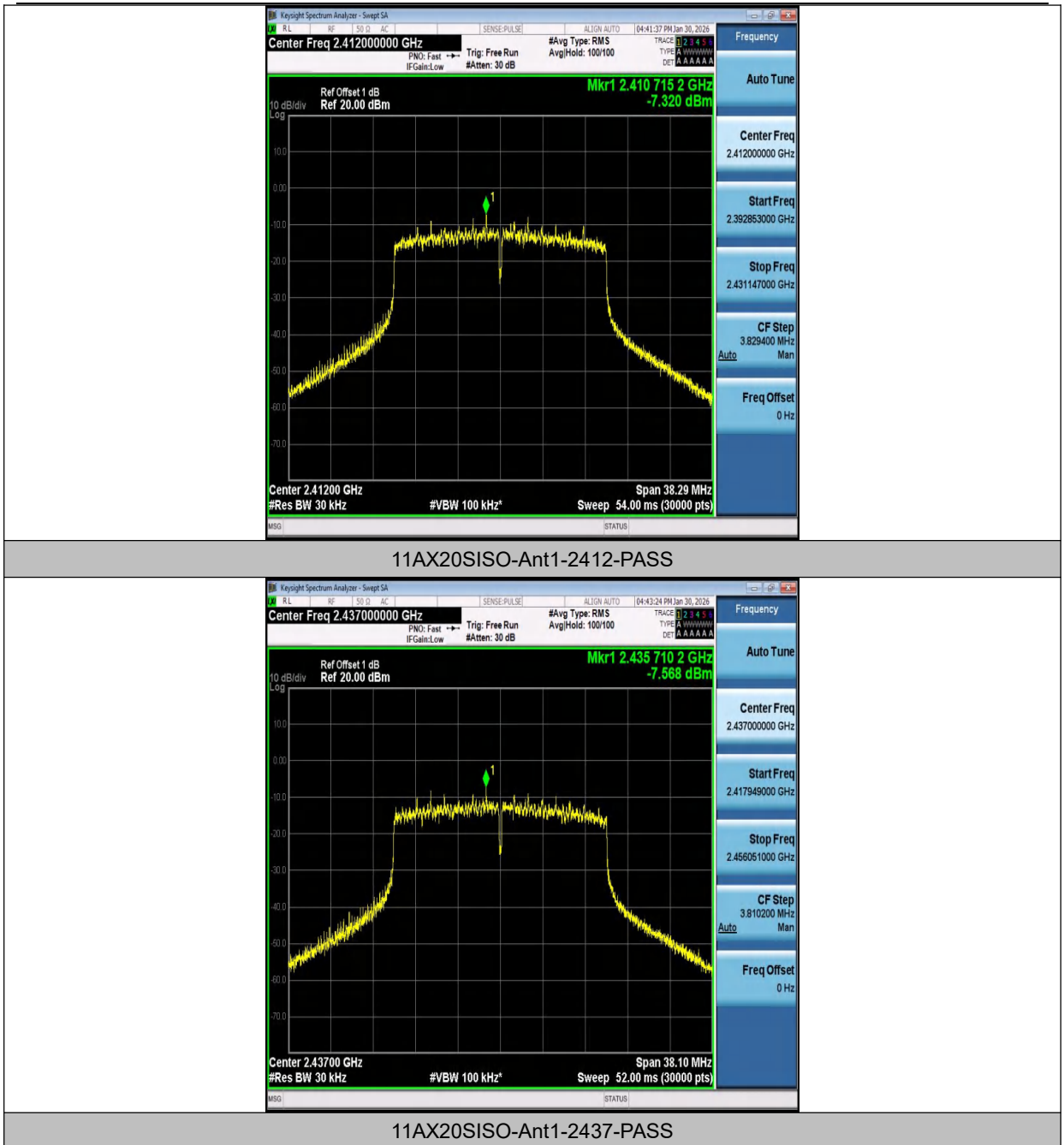
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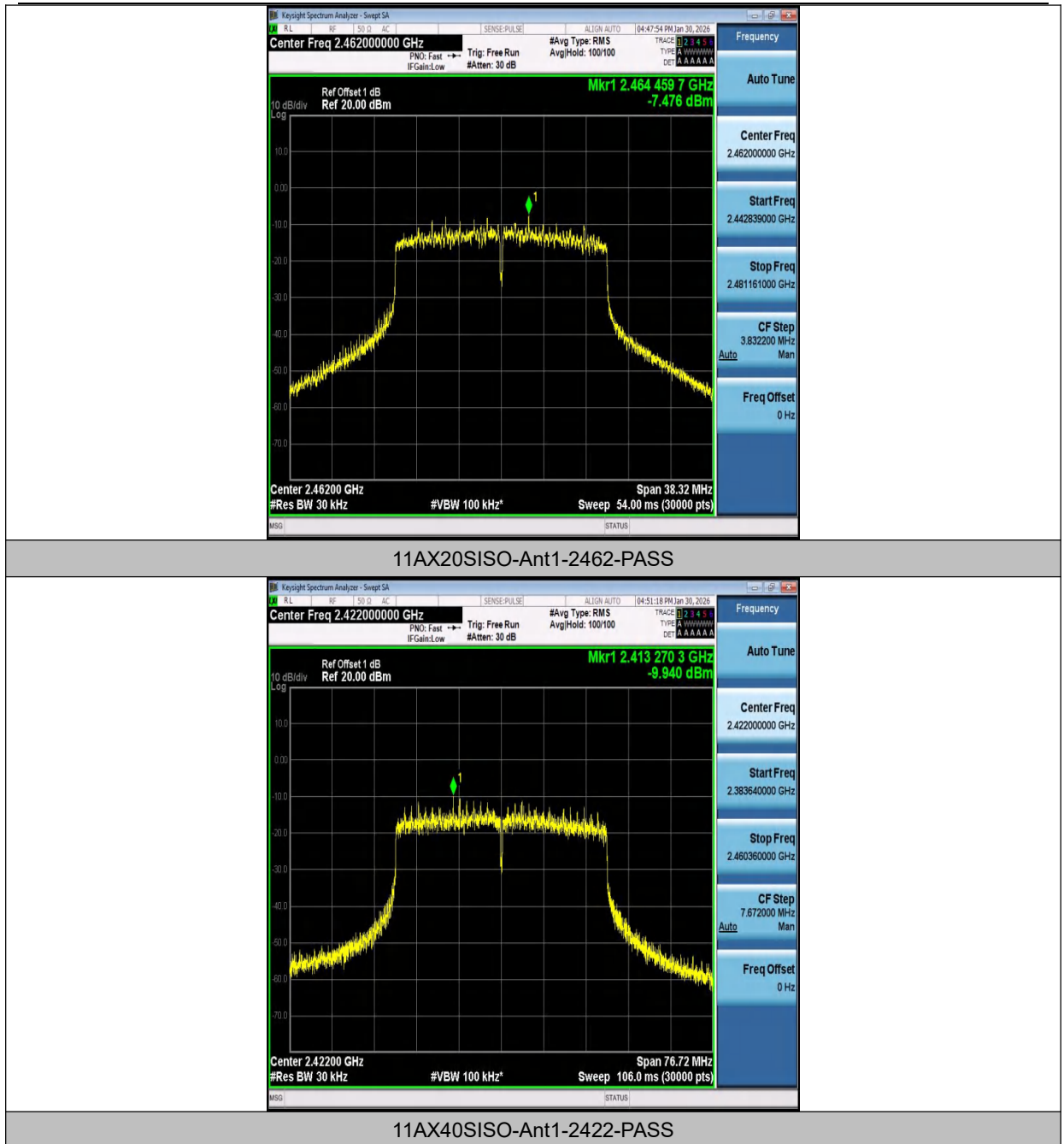
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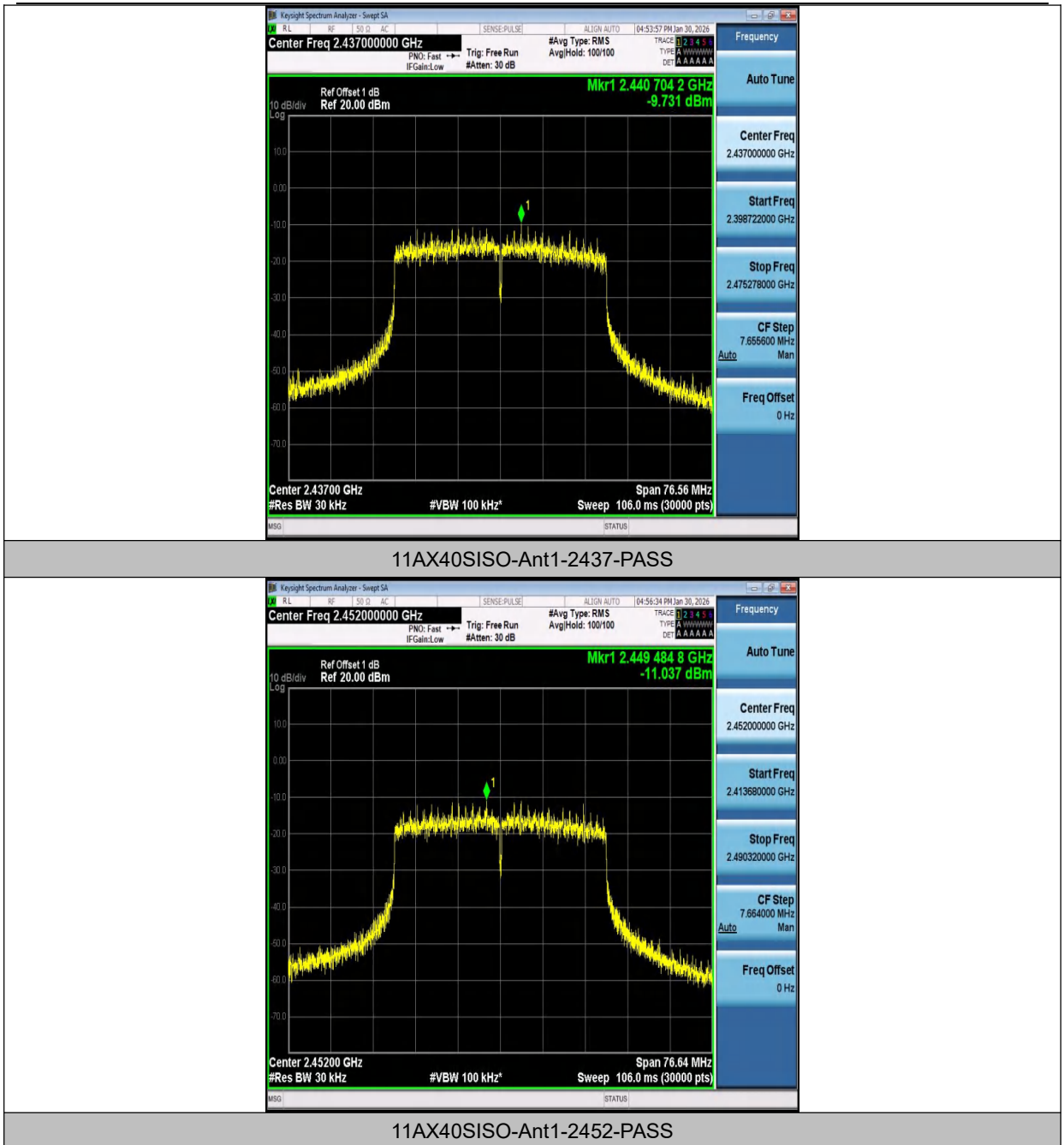
Hotline: 400-003-0500 web: [www.anbotek.com](http://www.anbotek.com) E-mail: [service@anbotek.com](mailto:service@anbotek.com)



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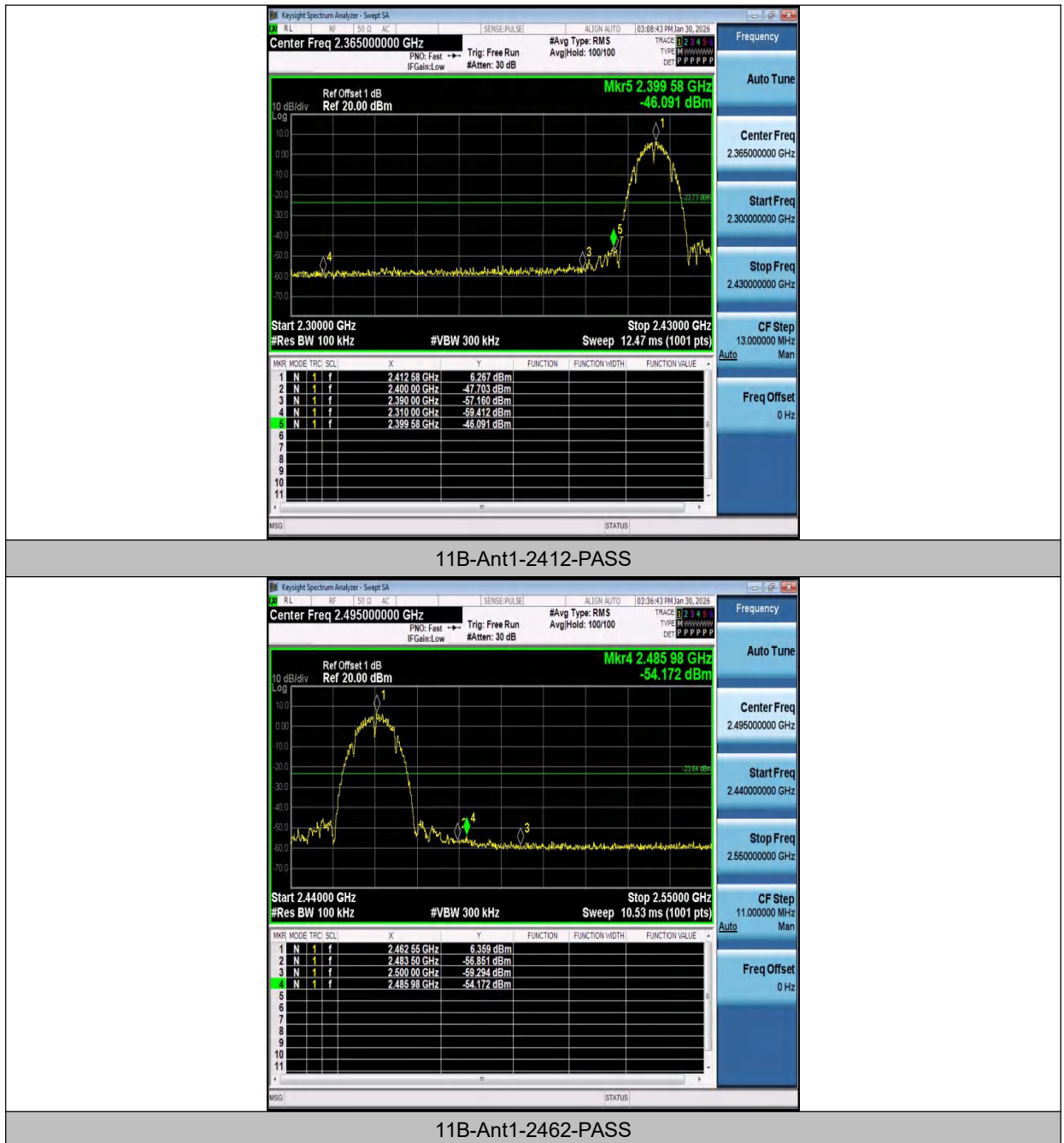
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## Appendix E: Conducted Band edge

### Test Result

| Test Mode  | Antenna | Ch. Name | Frequency[MHz] | Ref. Level [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|----------|----------------|------------------|-------------|------------|---------|
| 11B        | Ant1    | Low      | 2412           | 6.27             | -46.09      | ≤-23.73    | PASS    |
| 11B        | Ant1    | High     | 2462           | 6.36             | -54.17      | ≤-23.64    | PASS    |
| 11G        | Ant1    | Low      | 2412           | 1.50             | -28.72      | ≤-28.5     | PASS    |
| 11G        | Ant1    | High     | 2462           | 1.97             | -38.82      | ≤-28.03    | PASS    |
| 11N20SISO  | Ant1    | Low      | 2412           | 2.67             | -28         | ≤-27.33    | PASS    |
| 11N20SISO  | Ant1    | High     | 2462           | 1.80             | -35.68      | ≤-28.2     | PASS    |
| 11N40SISO  | Ant1    | Low      | 2422           | 0.08             | -34.35      | ≤-29.92    | PASS    |
| 11N40SISO  | Ant1    | High     | 2452           | 0.30             | -35.84      | ≤-29.7     | PASS    |
| 11AX20SISO | Ant1    | Low      | 2412           | 5.88             | -24.64      | ≤-24.12    | PASS    |
| 11AX20SISO | Ant1    | High     | 2462           | 6.65             | -40.86      | ≤-23.35    | PASS    |
| 11AX40SISO | Ant1    | Low      | 2422           | 3.79             | -26.69      | ≤-26.21    | PASS    |
| 11AX40SISO | Ant1    | High     | 2452           | 4.00             | -35.5       | ≤-26       | PASS    |

## Test Graphs



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