

## Appendix Test Data

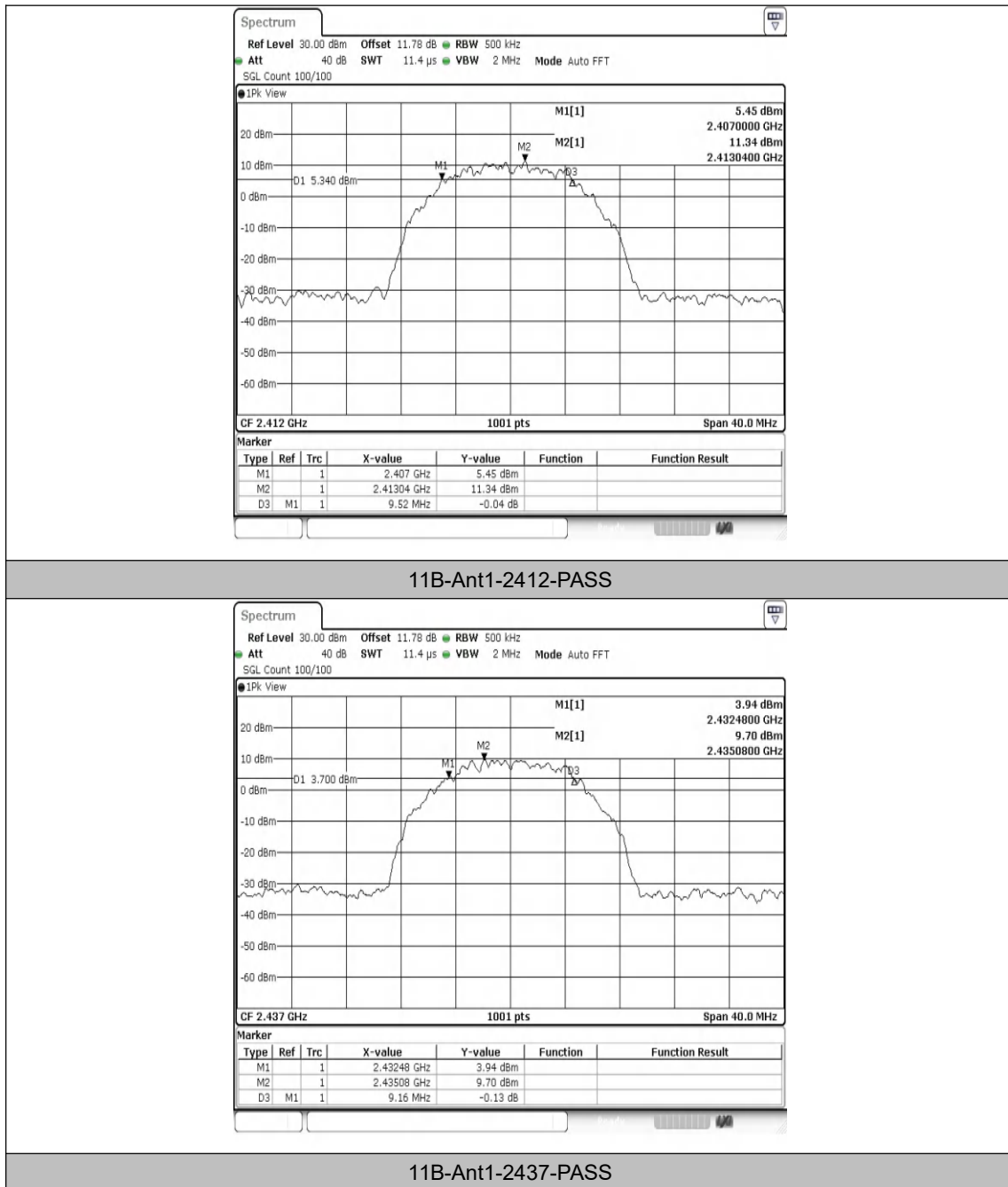
|                  |                  |                    |             |
|------------------|------------------|--------------------|-------------|
| Report No.:      | 1812C50101612502 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2025.3.20        | Finish Test Date:  | 2025.3.31   |
| Test Engineer:   | Hu Sen Guan      | Auditor:           | Justin Feng |
| Temperature:     | 24.5°C           | Relative Humidity: | 44%         |
| Pressure:        | 101kPa           |                    |             |

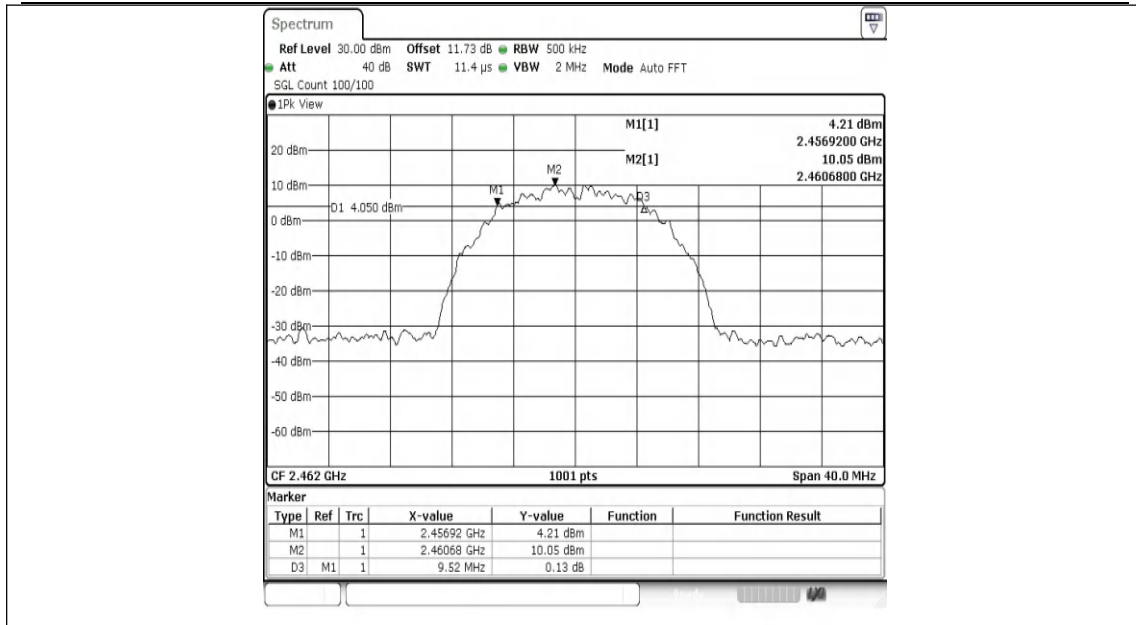
## Appendix A: 6dB Bandwidth

### Test Result

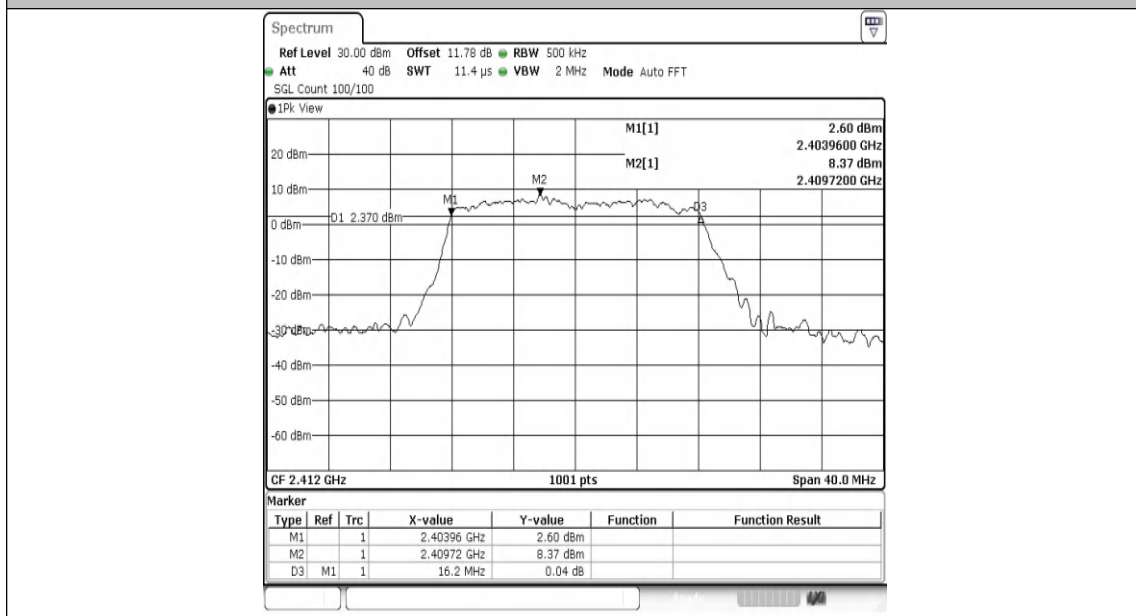
| Test Mode | Antenna | Frequency[MHz] | 6dB BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|---------|---------|------------|---------|
| 11B       | Ant1    | 2412           | 9.52         | 2407.00 | 2416.52 | 0.5        | PASS    |
| 11B       | Ant1    | 2437           | 9.16         | 2432.48 | 2441.64 | 0.5        | PASS    |
| 11B       | Ant1    | 2462           | 9.52         | 2456.92 | 2466.44 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 16.20        | 2403.96 | 2420.16 | 0.5        | PASS    |
| 11G       | Ant1    | 2437           | 16.68        | 2428.84 | 2445.52 | 0.5        | PASS    |
| 11G       | Ant1    | 2462           | 16.64        | 2453.56 | 2470.20 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 17.04        | 2403.48 | 2420.52 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2437           | 16.84        | 2428.56 | 2445.40 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2462           | 16.92        | 2453.56 | 2470.48 | 0.5        | PASS    |

## Test Graphs

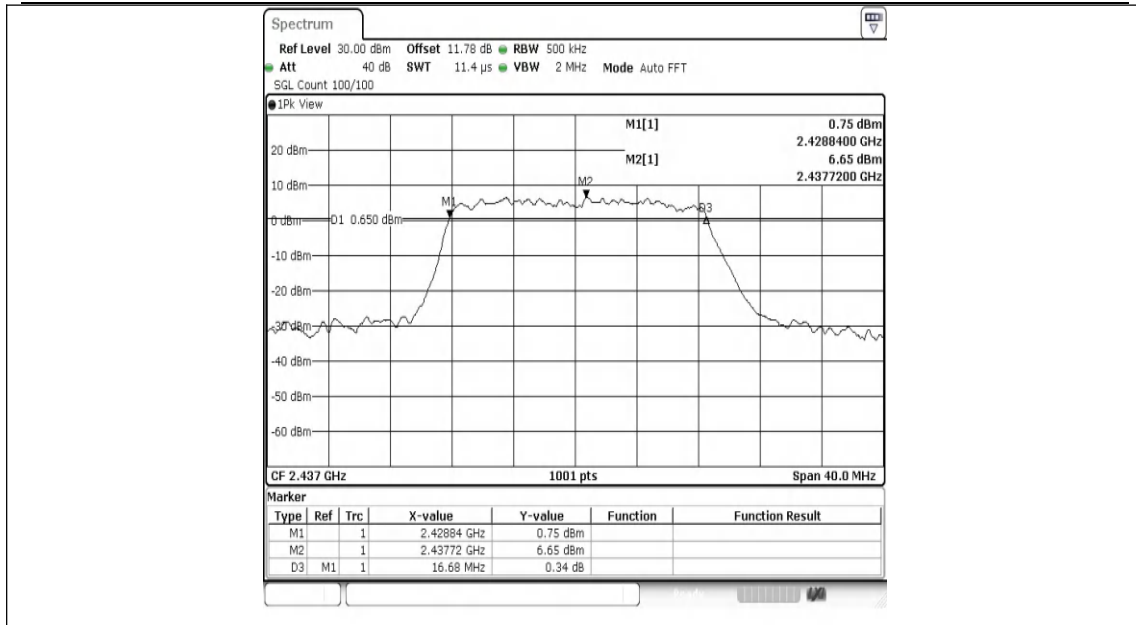




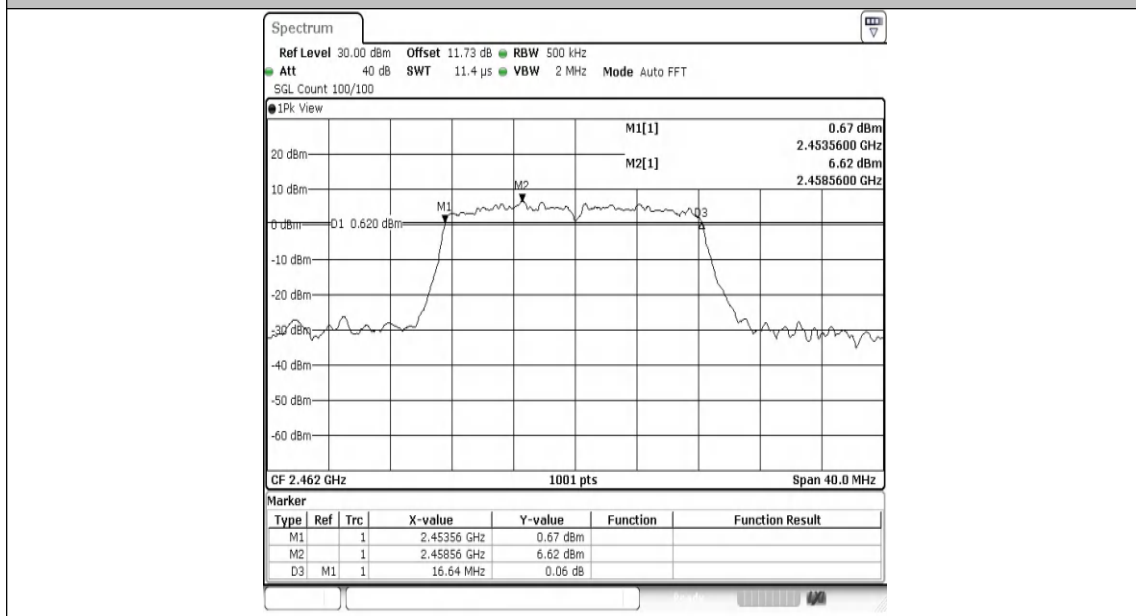
11B-Ant1-2462-PASS



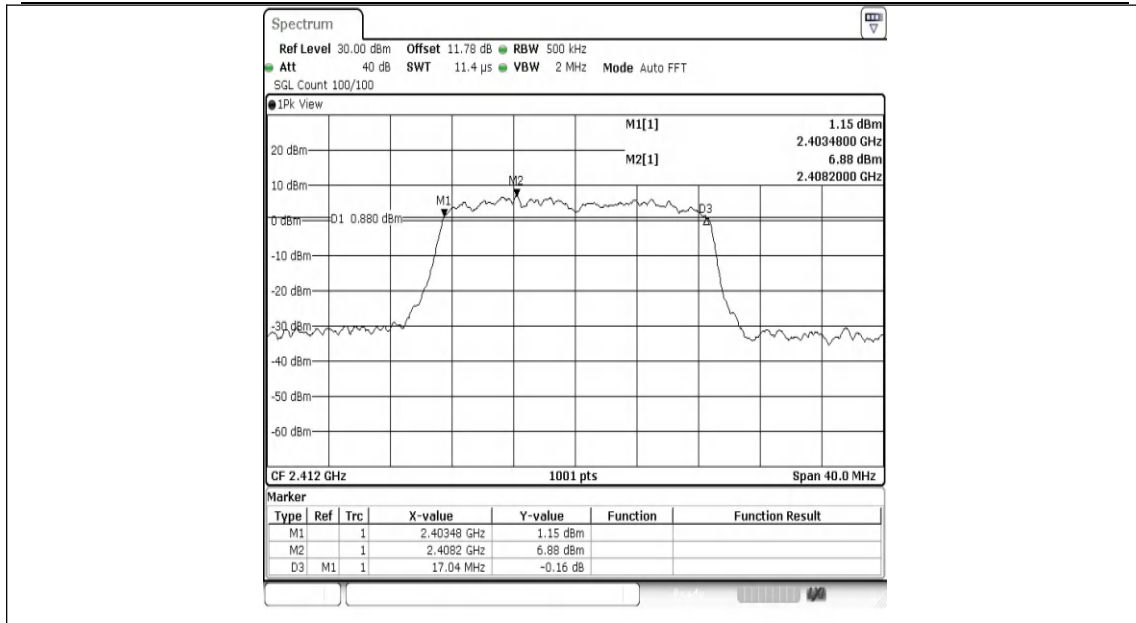
11G-Ant1-2412-PASS



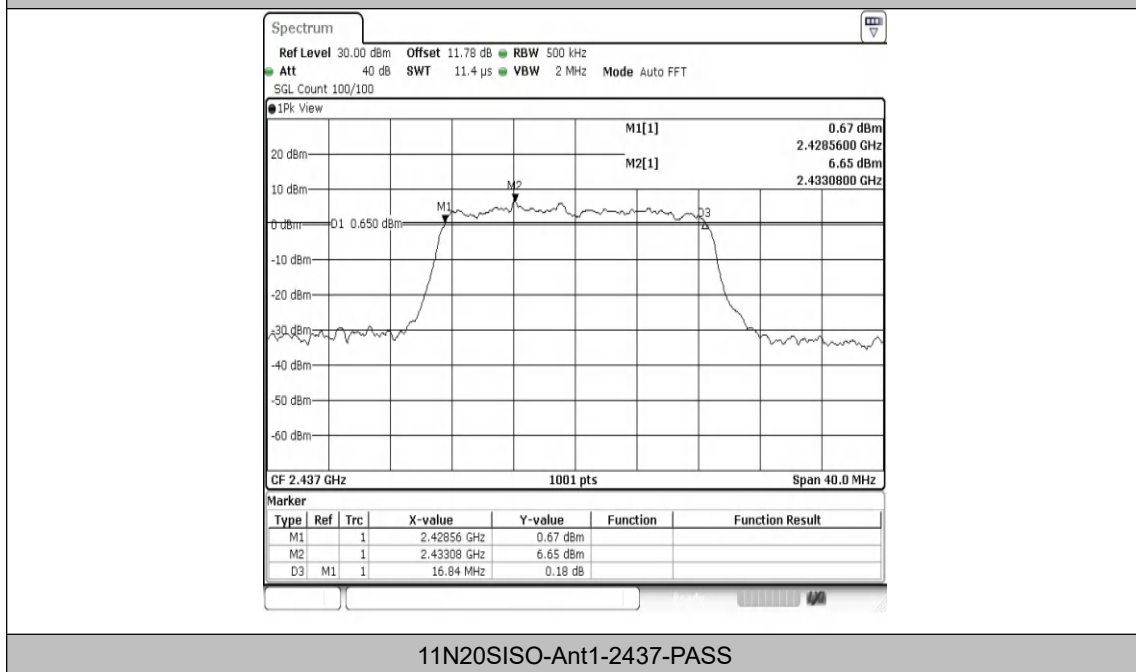
11G-Ant1-2437-PASS



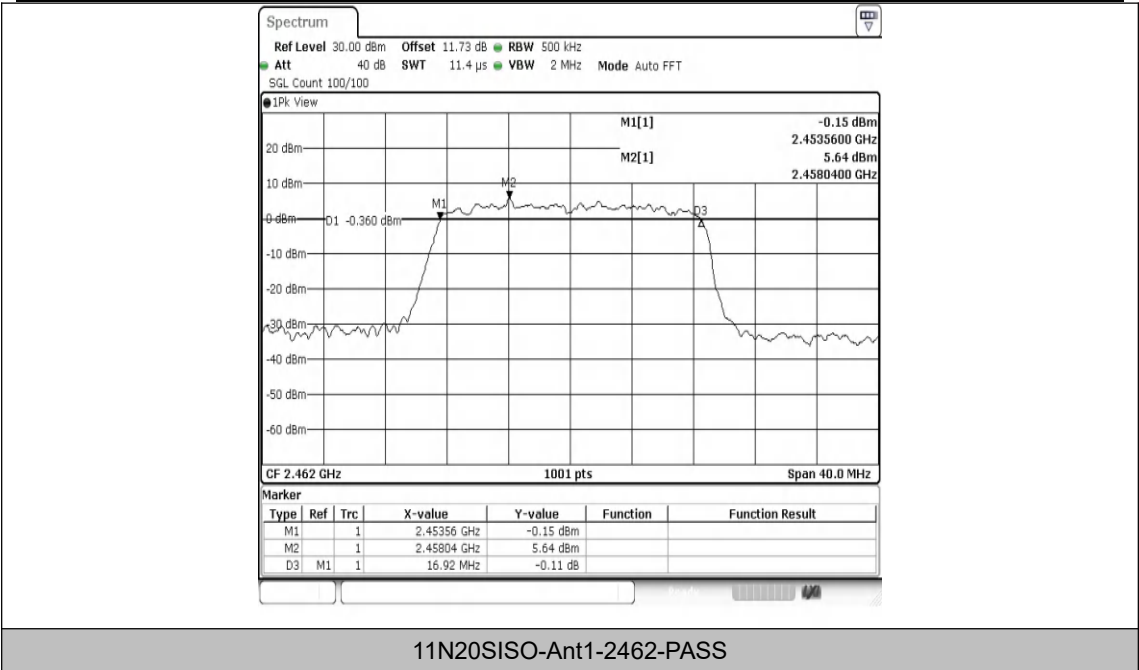
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



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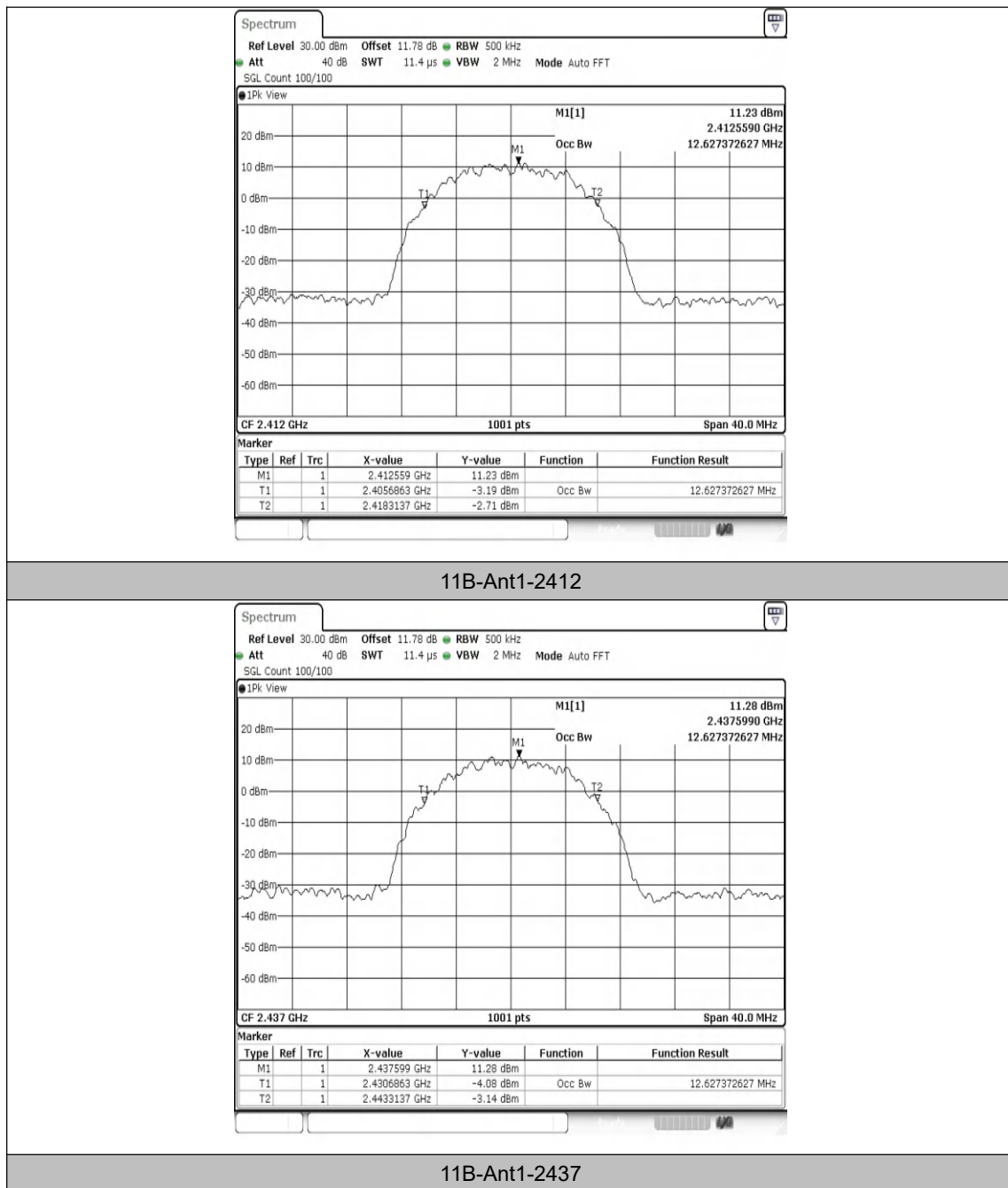
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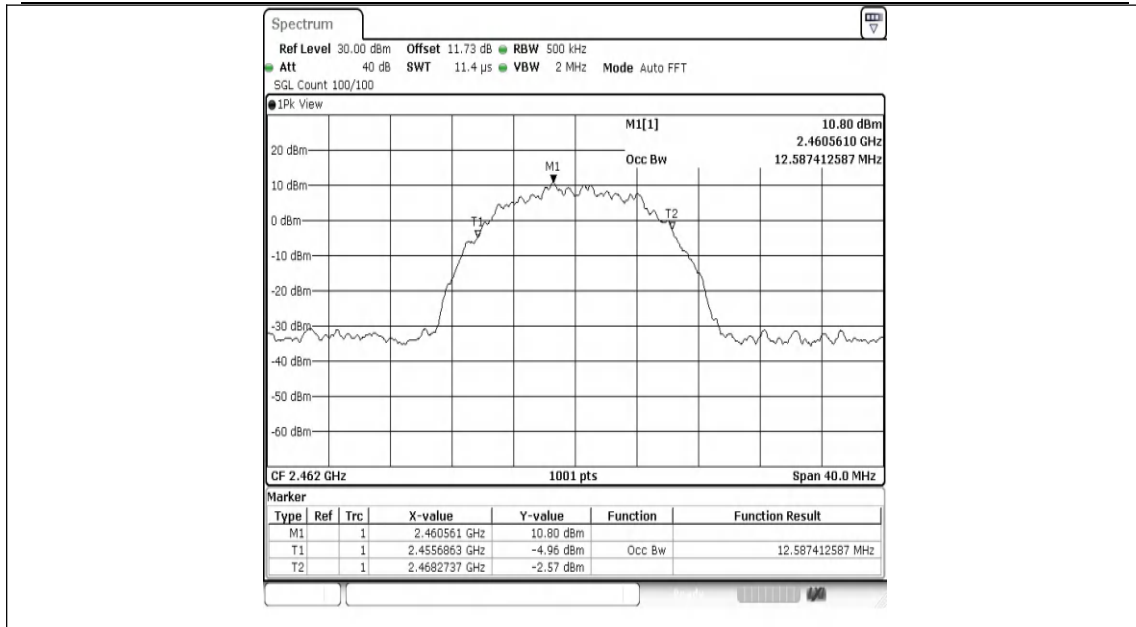
## Appendix B: 99% Occupied Bandwidth

### Test Result

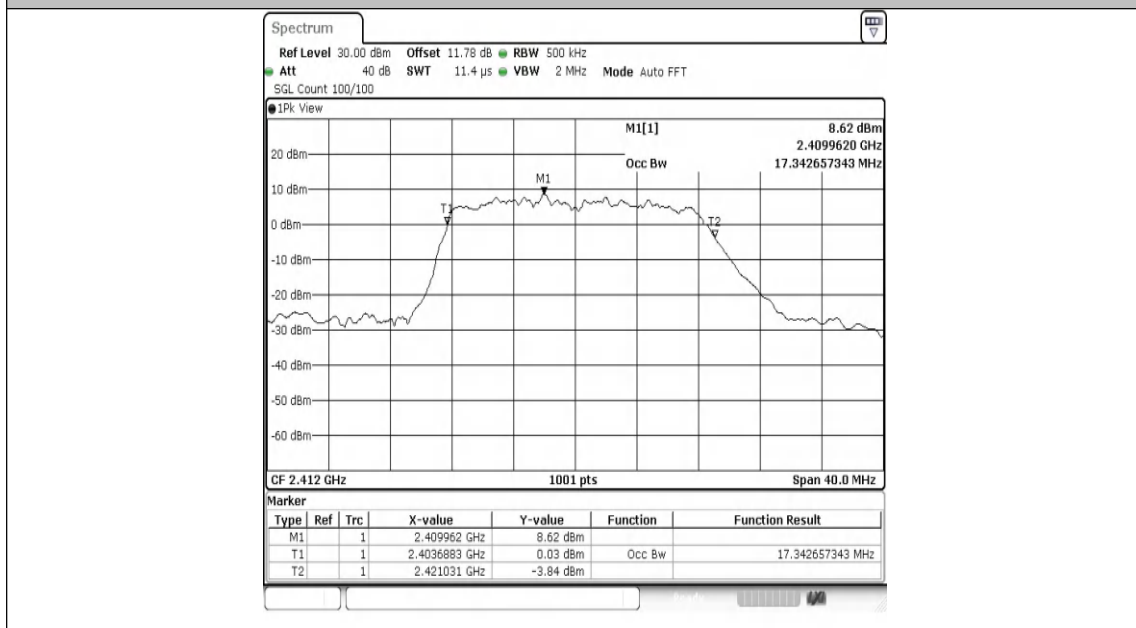
| Test Mode | Antenna | Channel Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|------------------------|-----------|-----------|-----------|------------|---------|
| 11B       | Ant1    | 2412                   | 12.627    | 2405.6863 | 2418.3137 | ---        | ---     |
| 11B       | Ant1    | 2437                   | 12.627    | 2430.6863 | 2443.3137 | ---        | ---     |
| 11B       | Ant1    | 2462                   | 12.587    | 2455.6863 | 2468.2737 | ---        | ---     |
| 11G       | Ant1    | 2412                   | 17.343    | 2403.6883 | 2421.0310 | ---        | ---     |
| 11G       | Ant1    | 2437                   | 16.543    | 2428.8082 | 2445.3516 | ---        | ---     |
| 11G       | Ant1    | 2462                   | 17.263    | 2453.6883 | 2470.9510 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                   | 17.263    | 2403.3686 | 2420.6314 | ---        | ---     |
| 11N20SISO | Ant1    | 2437                   | 17.303    | 2428.4086 | 2445.7113 | ---        | ---     |
| 11N20SISO | Ant1    | 2462                   | 17.303    | 2453.3686 | 2470.6713 | ---        | ---     |

## Test Graphs

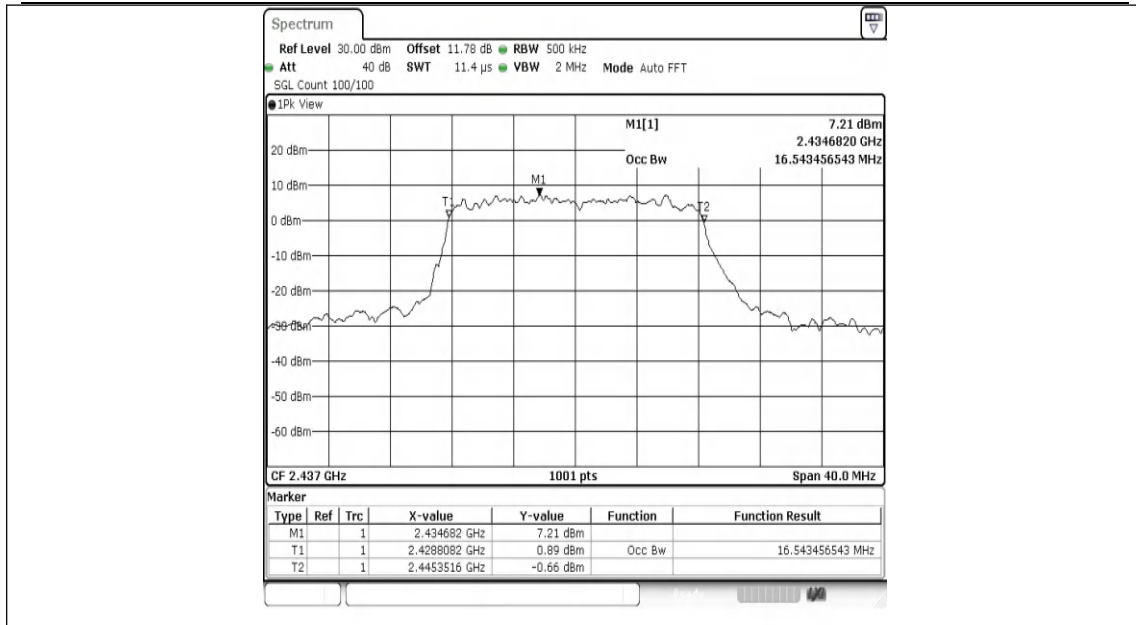




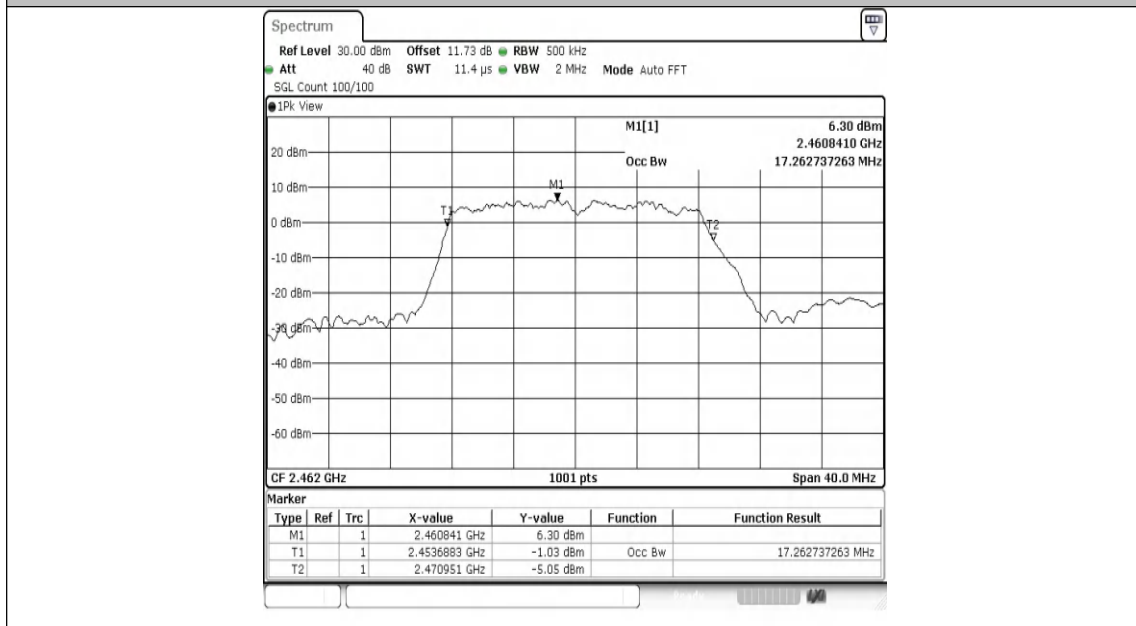
11B-Ant1-2462



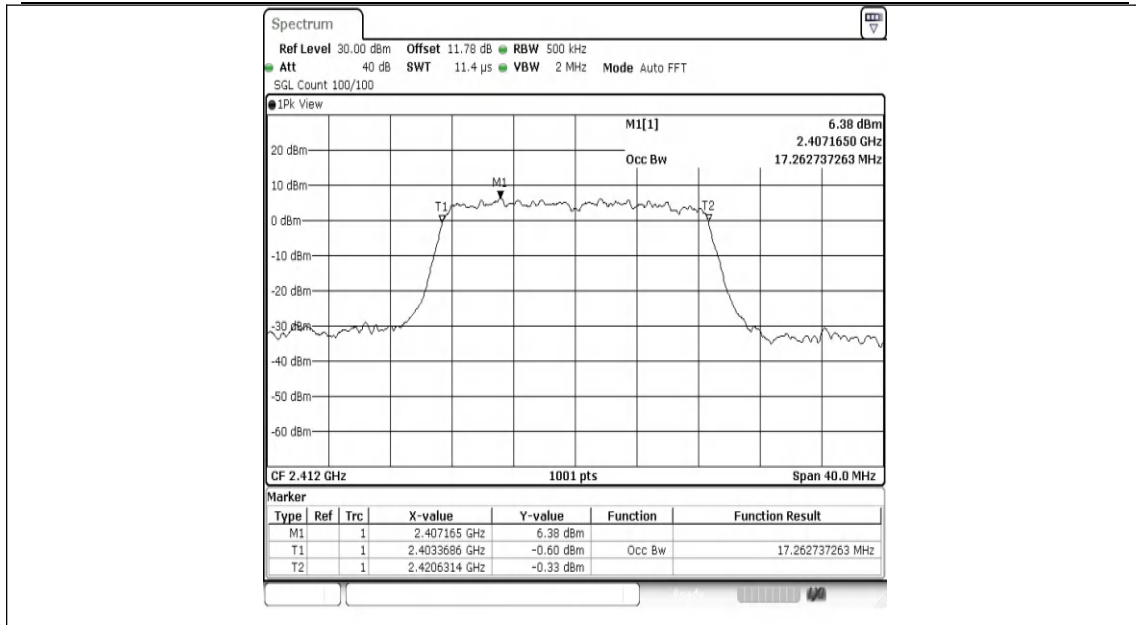
11G-Ant1-2412



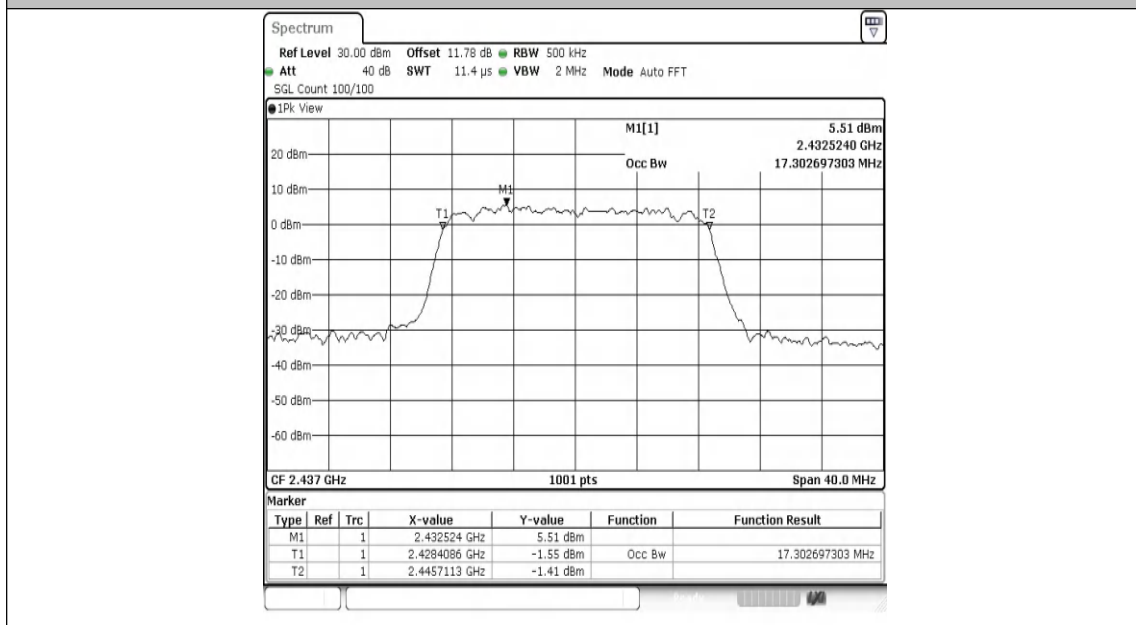
11G-Ant1-2437



11G-Ant1-2462



11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



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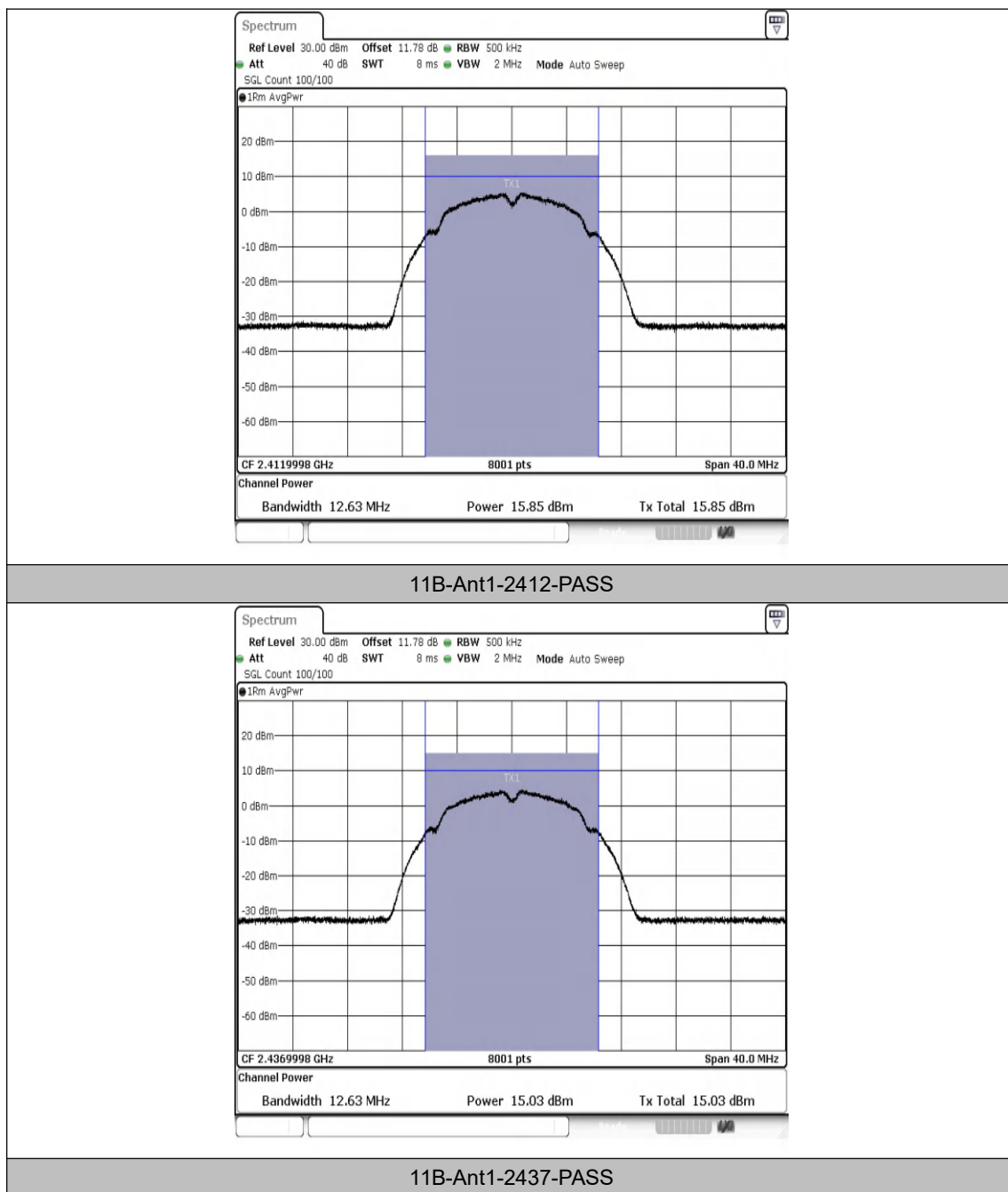
## Appendix C: Maximum conducted output power

### Test Result Average

| Test Mode | Antenna | Frequency[MHz] | Average power [dBm] | Duty Cycle [%] | DC Factor [dB] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|---------------------|----------------|----------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412           | 15.85               | 100.00         | 0.00           | <b>15.85</b> | ≤30.00      | PASS    |
| 11B       | Ant1    | 2437           | 15.03               | 100.00         | 0.00           | 15.03        | ≤30.00      | PASS    |
| 11B       | Ant1    | 2462           | 14.55               | 100.00         | 0.00           | 14.55        | ≤30.00      | PASS    |
| 11G       | Ant1    | 2412           | 15.30               | 100.00         | 0.00           | 15.30        | ≤30.00      | PASS    |
| 11G       | Ant1    | 2437           | 14.46               | 100.00         | 0.00           | 14.46        | ≤30.00      | PASS    |
| 11G       | Ant1    | 2462           | 13.96               | 100.00         | 0.00           | 13.96        | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 2412           | 13.82               | 100.00         | 0.00           | 13.82        | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 2437           | 13.16               | 100.00         | 0.00           | 13.16        | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 2462           | 12.58               | 100.00         | 0.00           | 12.58        | ≤30.00      | PASS    |

Note: 1. The cable loss are compensated in the graph

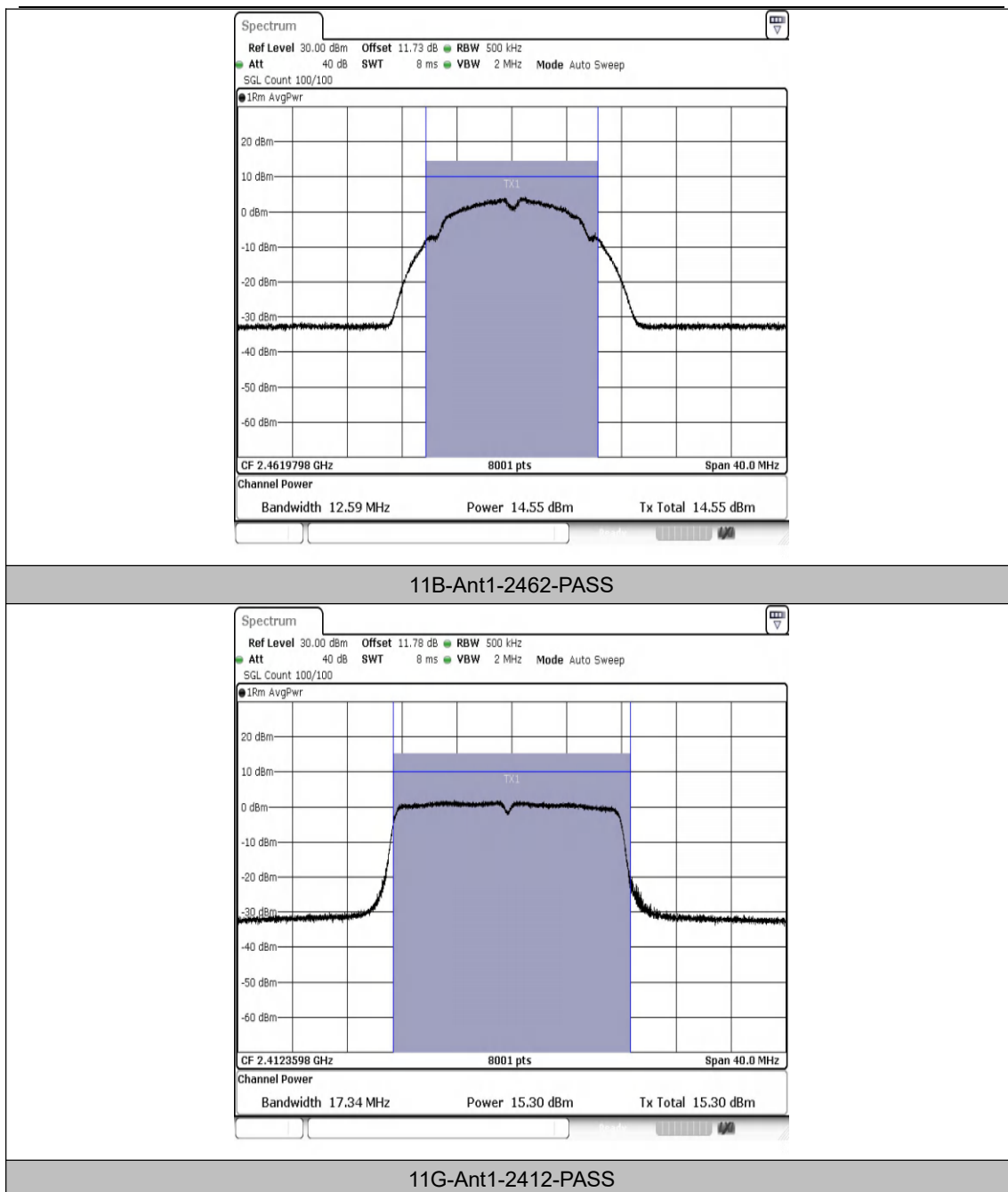
## Test Graphs Average



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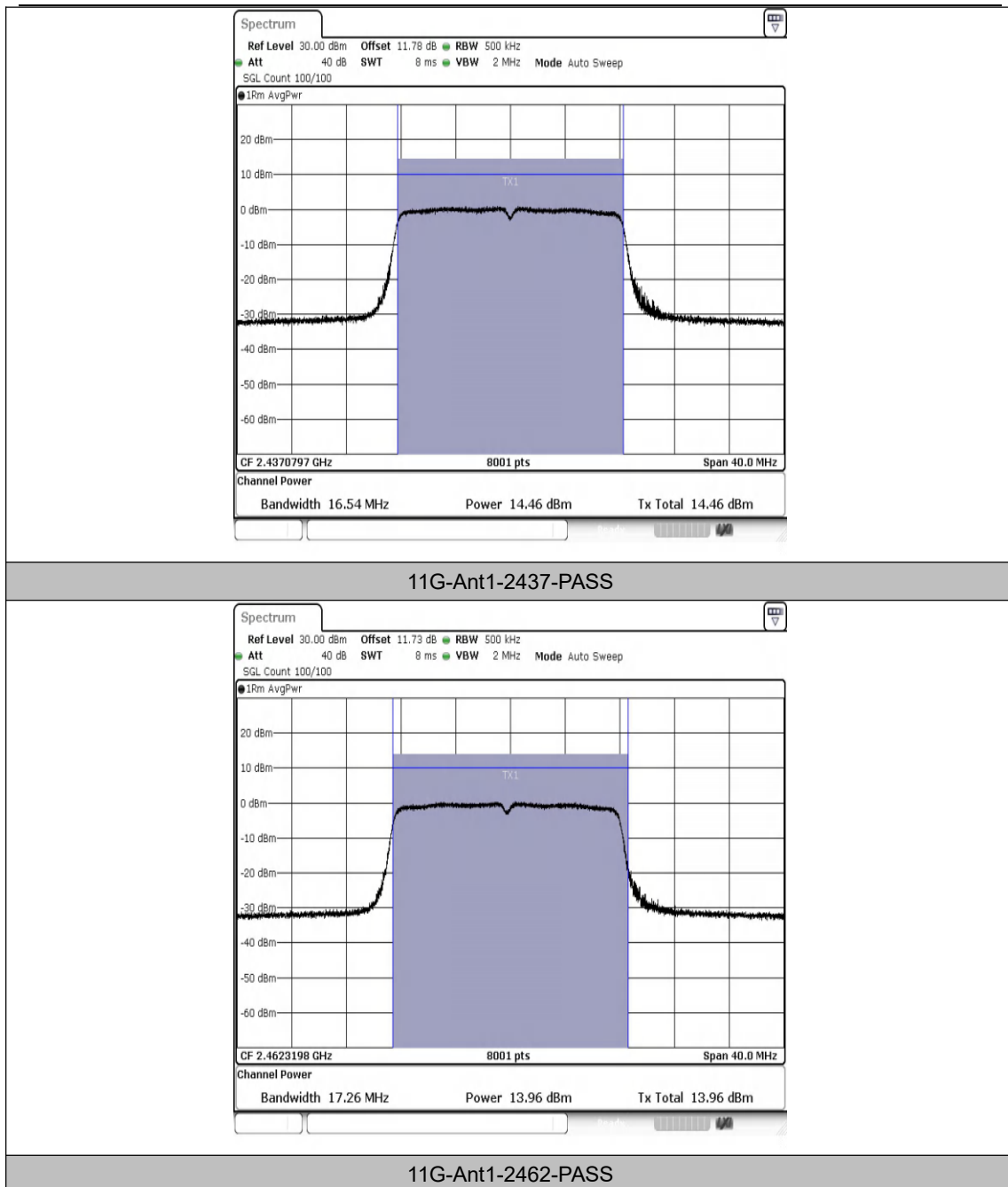
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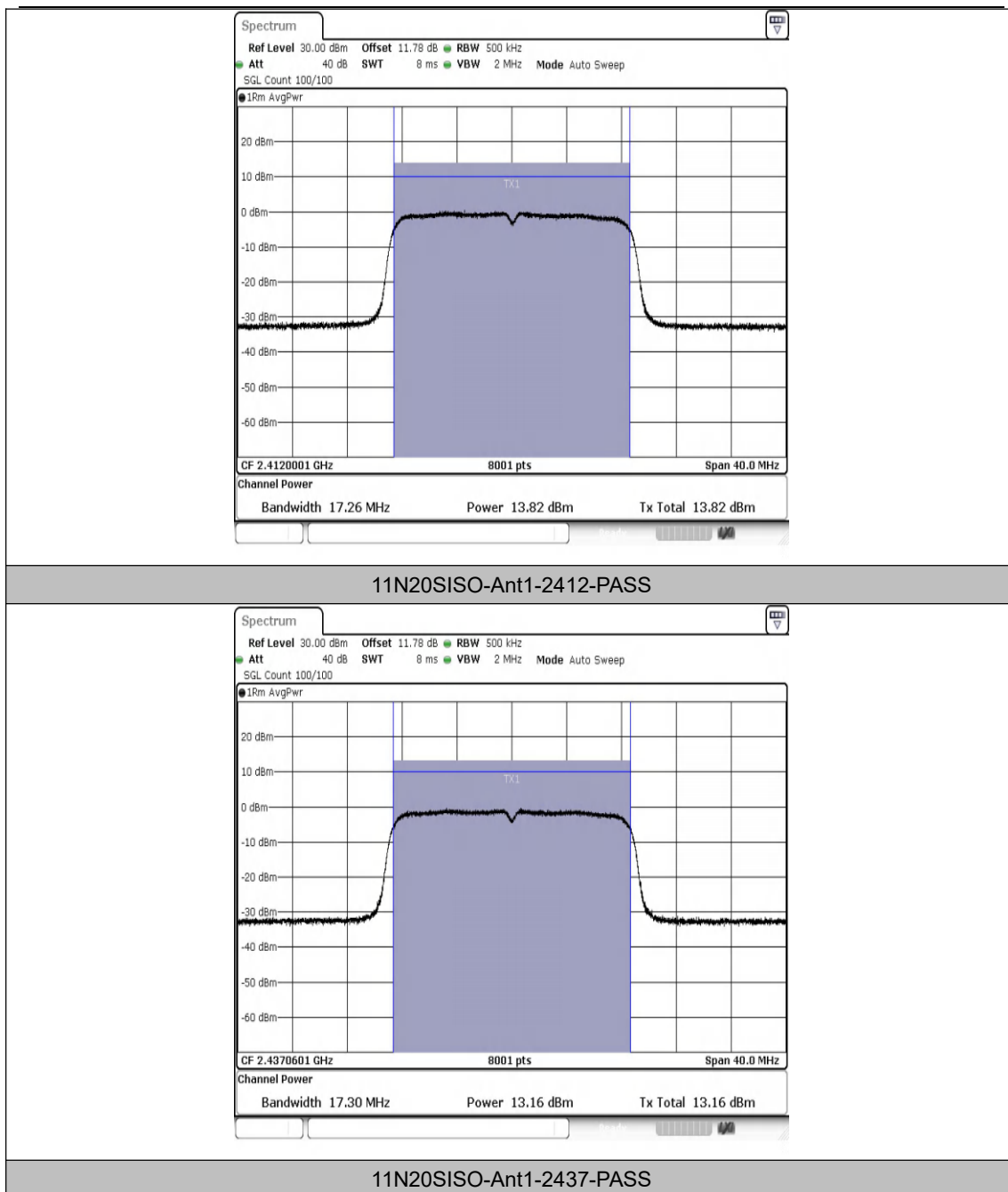
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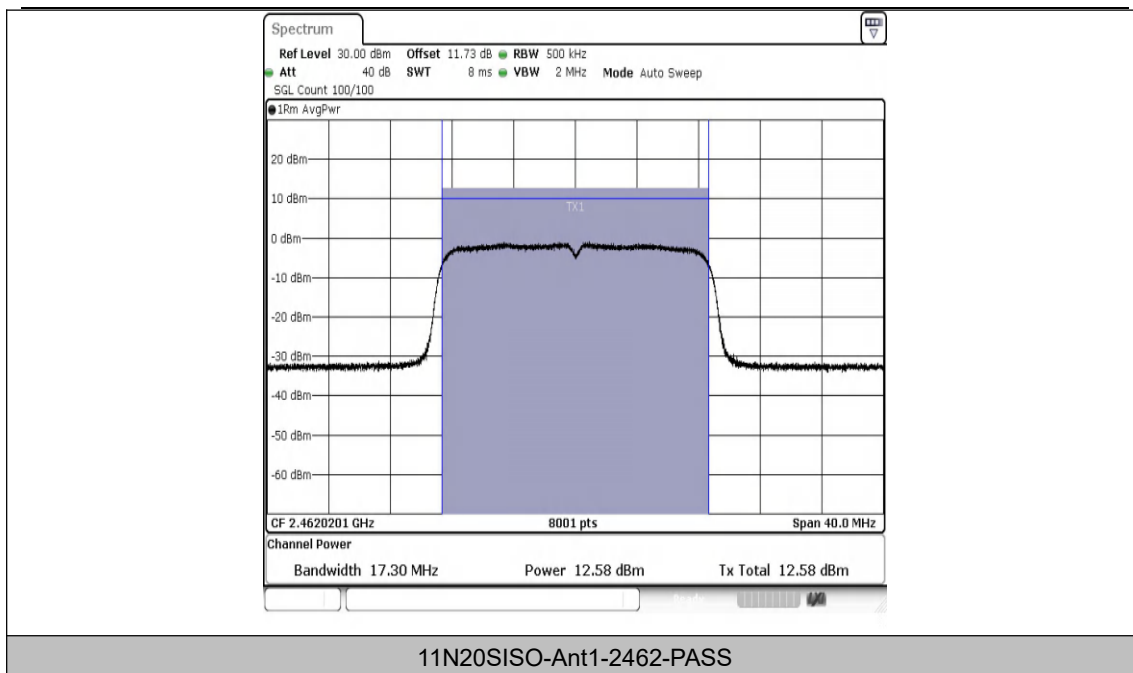
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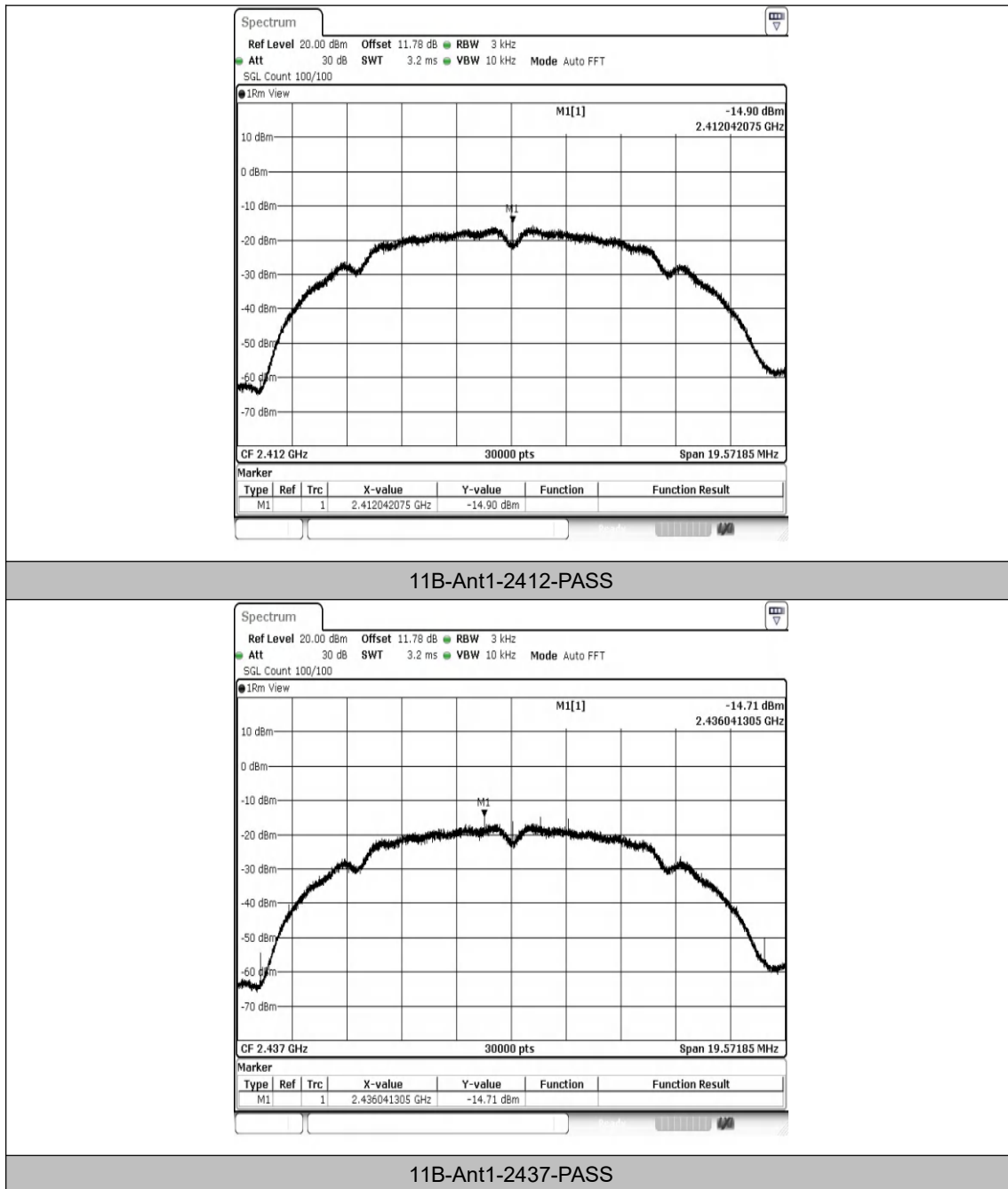
## Appendix D: Maximum power spectral density

### Test Result

| Test Mode | Antenna | Frequency [MHz] | Reading Result [dBm/3kHz] | DC Factor [dB] | Result [dBm/3kHz] | Limit [dBm/3kHz] | Verdict |
|-----------|---------|-----------------|---------------------------|----------------|-------------------|------------------|---------|
| 11B       | Ant1    | 2412            | -14.9                     | 0.00           | -14.90            | ≤8.00            | PASS    |
| 11B       | Ant1    | 2437            | -14.71                    | 0.00           | -14.71            | ≤8.00            | PASS    |
| 11B       | Ant1    | 2462            | -17.17                    | 0.00           | -17.17            | ≤8.00            | PASS    |
| 11G       | Ant1    | 2412            | -17.44                    | 0.00           | -17.44            | ≤8.00            | PASS    |
| 11G       | Ant1    | 2437            | -18.21                    | 0.00           | -18.21            | ≤8.00            | PASS    |
| 11G       | Ant1    | 2462            | -18.82                    | 0.00           | -18.82            | ≤8.00            | PASS    |
| 11N20SISO | Ant1    | 2412            | -17.65                    | 0.00           | -17.65            | ≤8.00            | PASS    |
| 11N20SISO | Ant1    | 2437            | -18.83                    | 0.00           | -18.83            | ≤8.00            | PASS    |
| 11N20SISO | Ant1    | 2462            | -18.99                    | 0.00           | -18.99            | ≤8.00            | PASS    |

Note: 1. The cable loss are compensated in the graph.

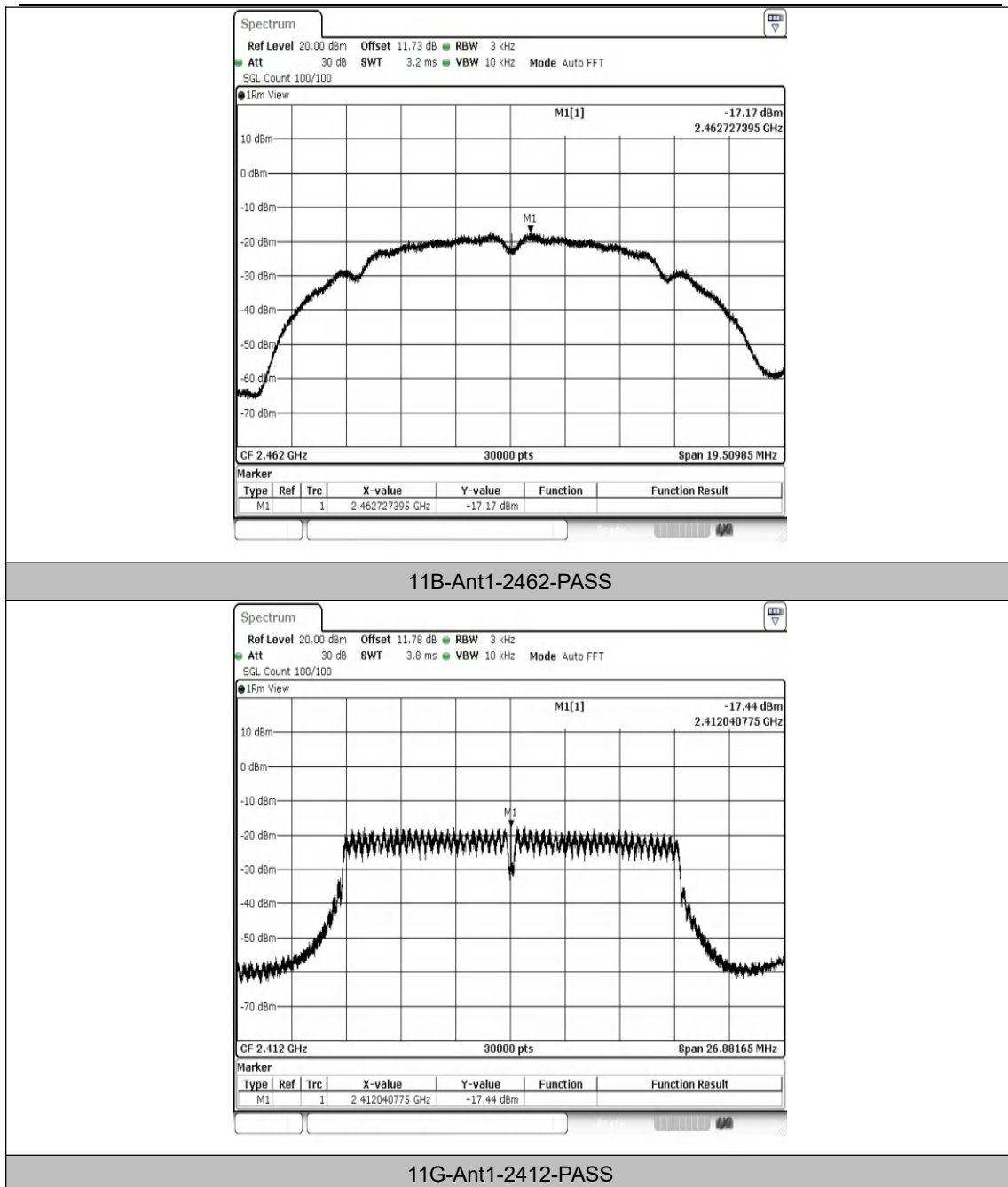
## Test Graphs



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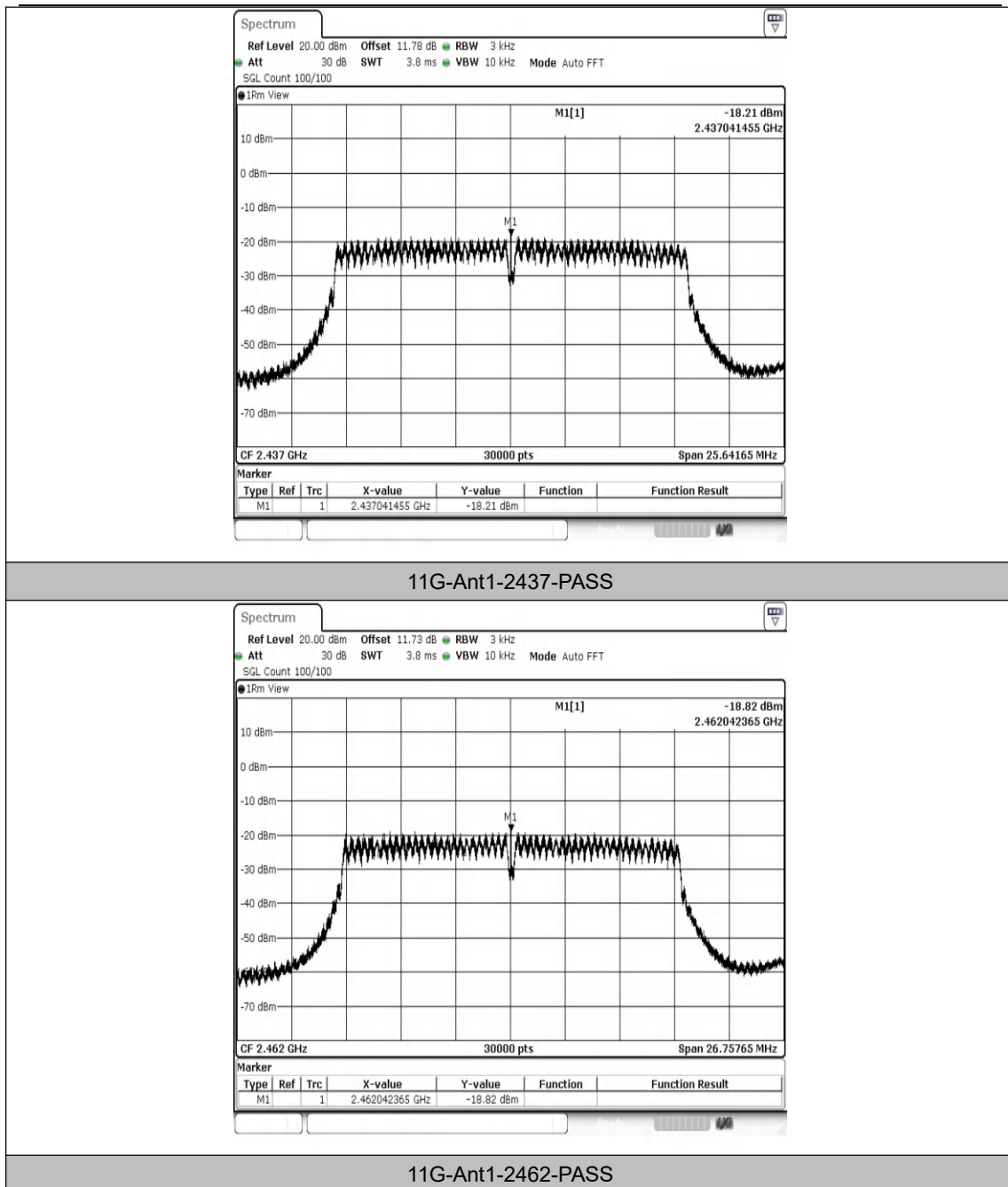
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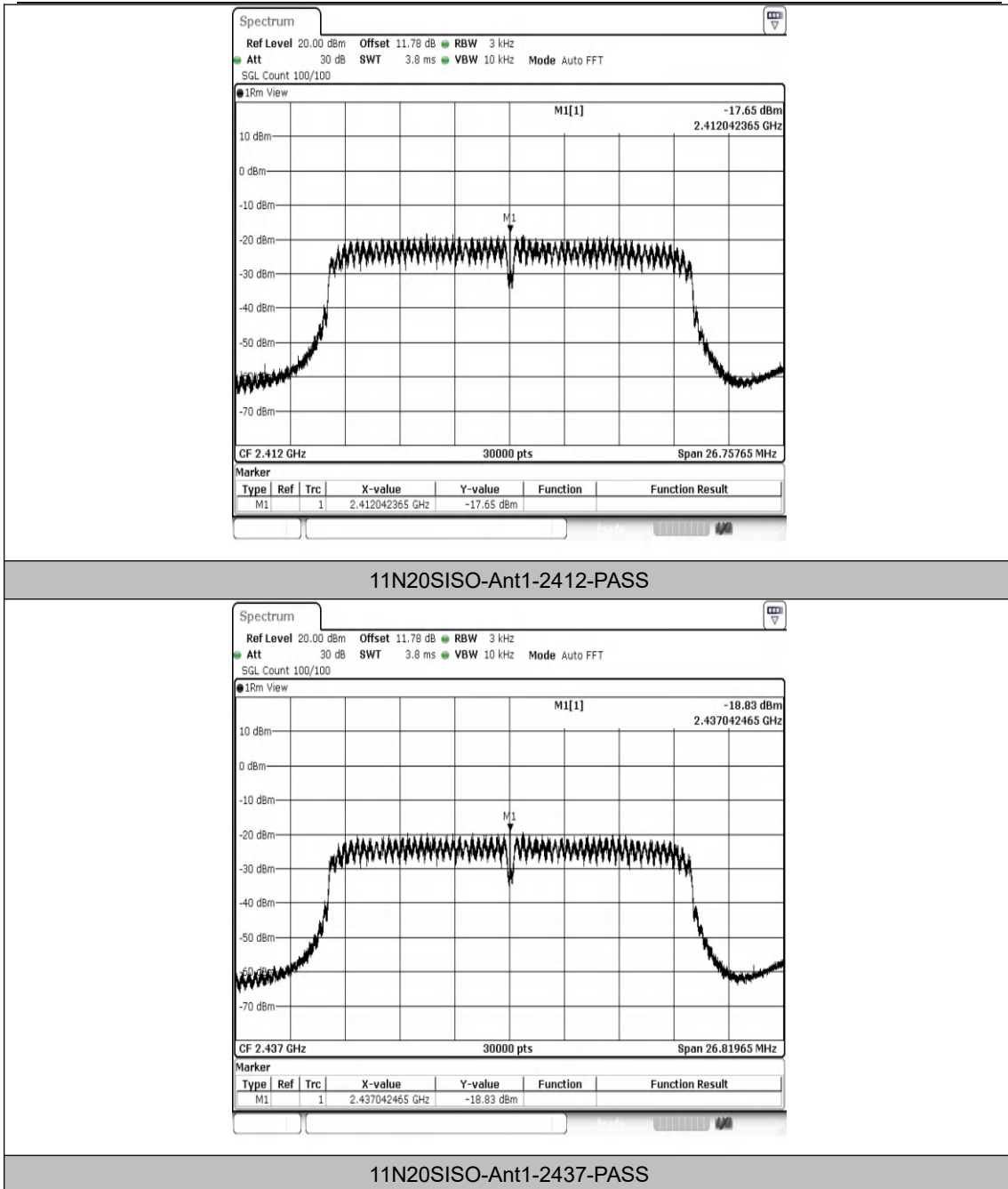


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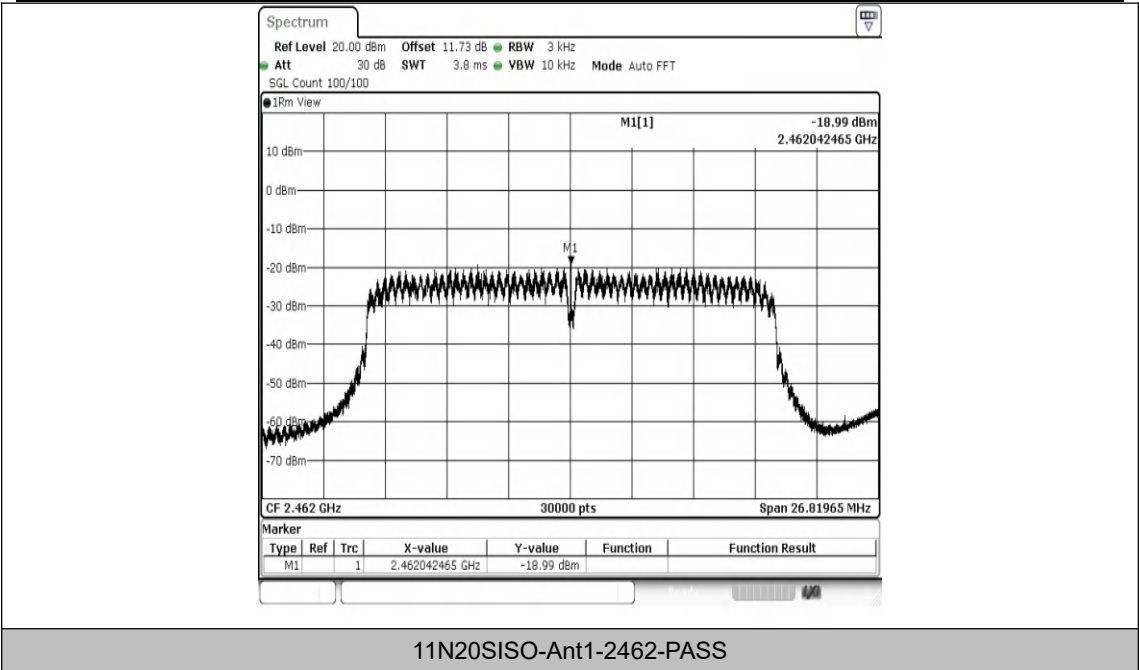




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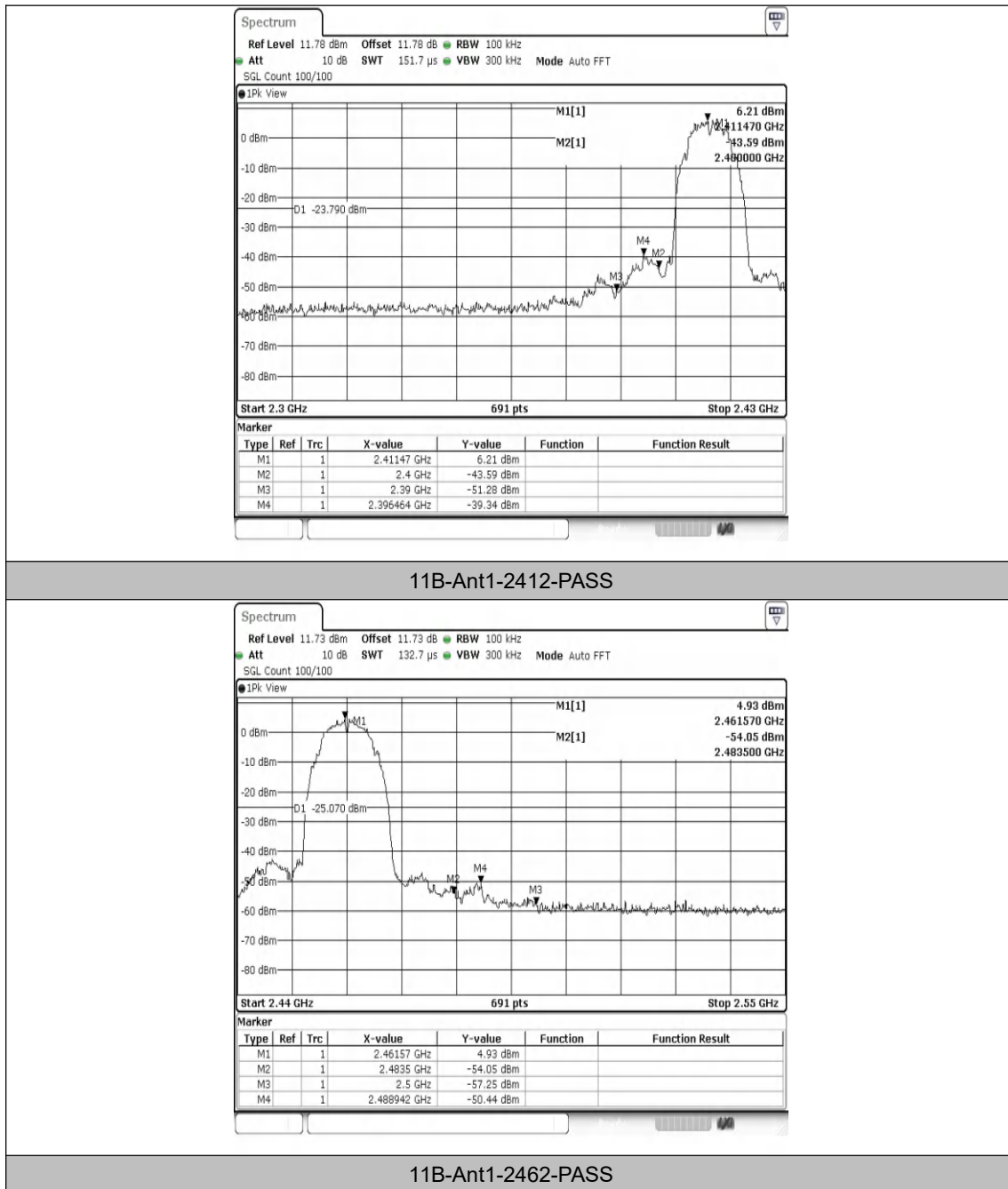
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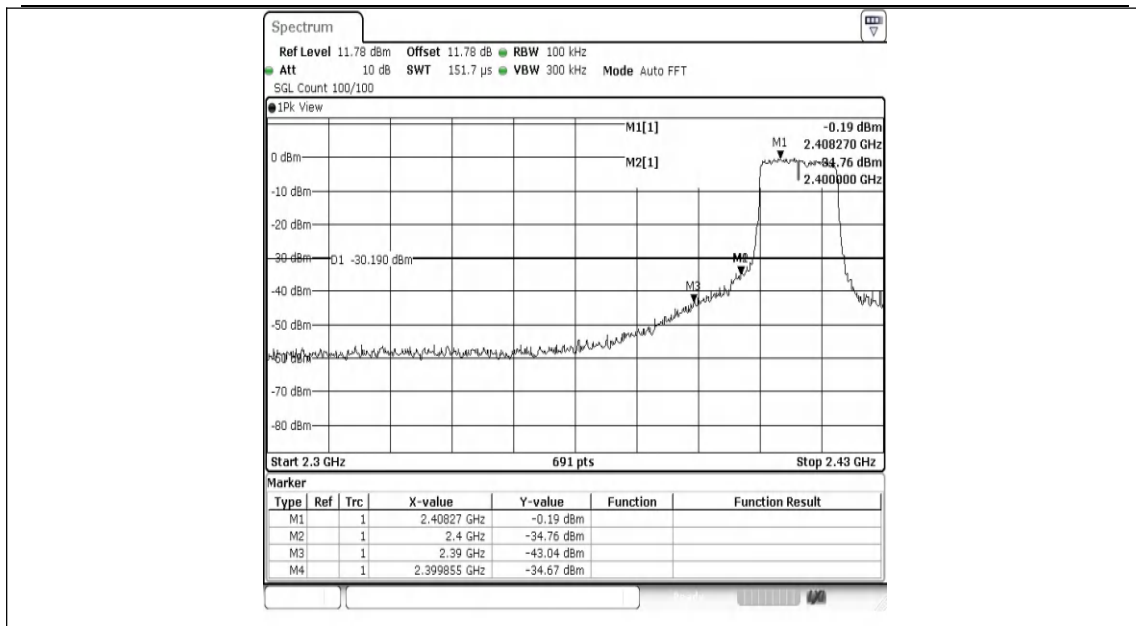
## Appendix E: Conducted Band edge

### Test Result

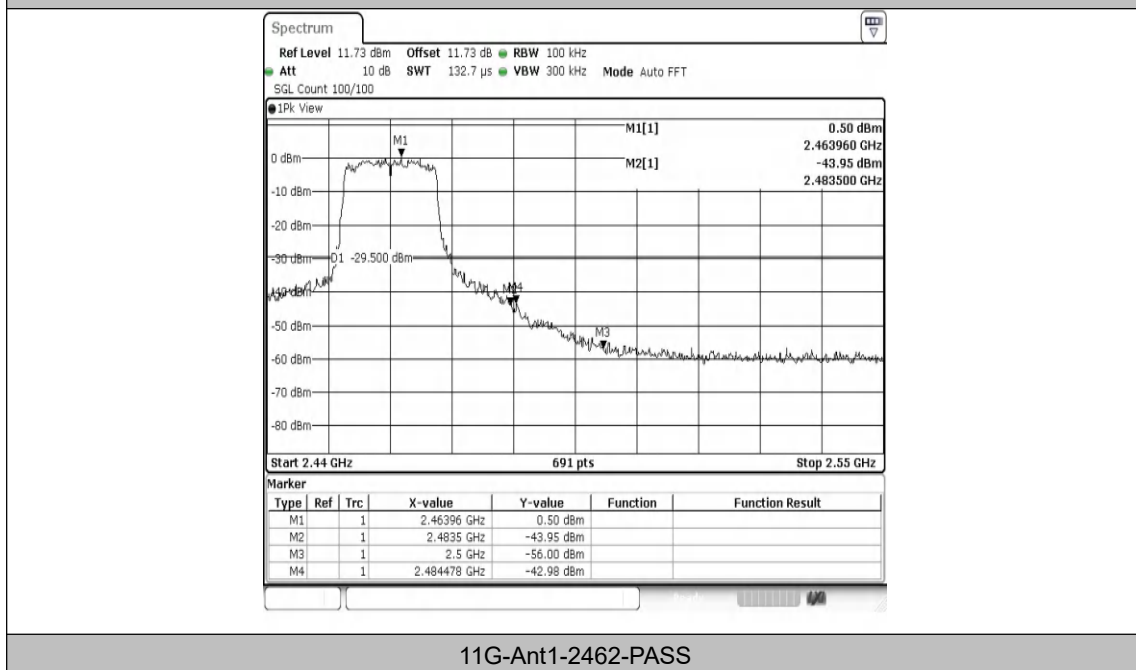
| Test Mode | Antenna | Ch. Name | Frequency[MHz] | Ref. Level[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|----------|----------------|-----------------|-------------|------------|---------|
| 11B       | Ant1    | Low      | 2412           | 6.21            | -39.34      | ≤-23.79    | PASS    |
| 11B       | Ant1    | High     | 2462           | 4.93            | -50.44      | ≤-25.07    | PASS    |
| 11G       | Ant1    | Low      | 2412           | -0.19           | -34.67      | ≤-30.19    | PASS    |
| 11G       | Ant1    | High     | 2462           | 0.50            | -42.98      | ≤-29.5     | PASS    |
| 11N20SISO | Ant1    | Low      | 2412           | -0.76           | -37.57      | ≤-30.76    | PASS    |
| 11N20SISO | Ant1    | High     | 2462           | -1.75           | -49.69      | ≤-31.75    | PASS    |

## Test Graphs

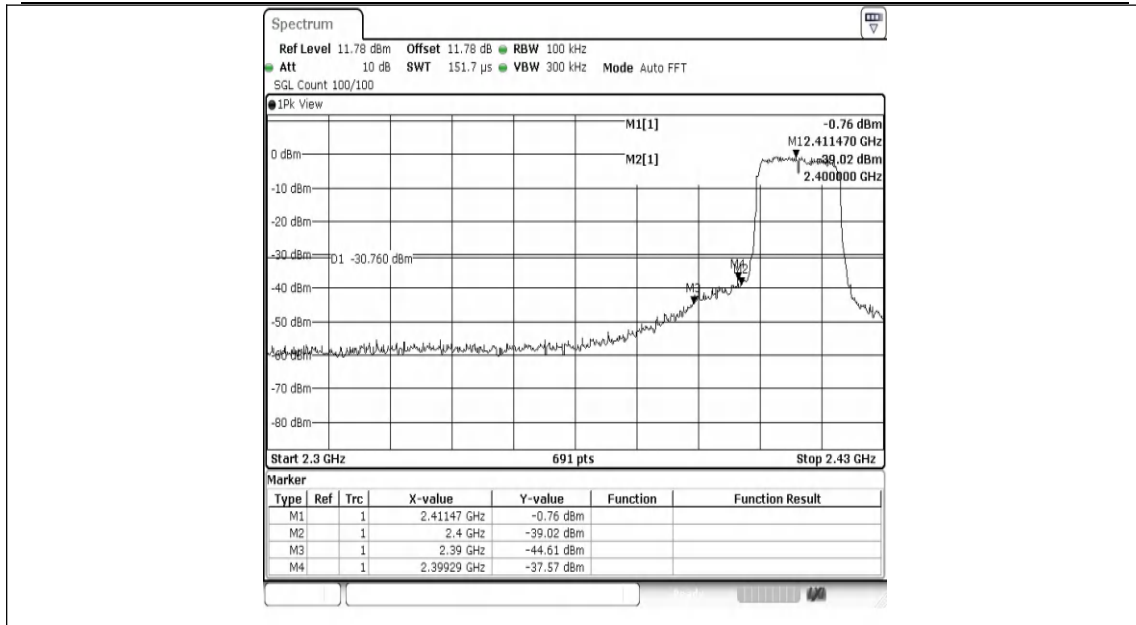




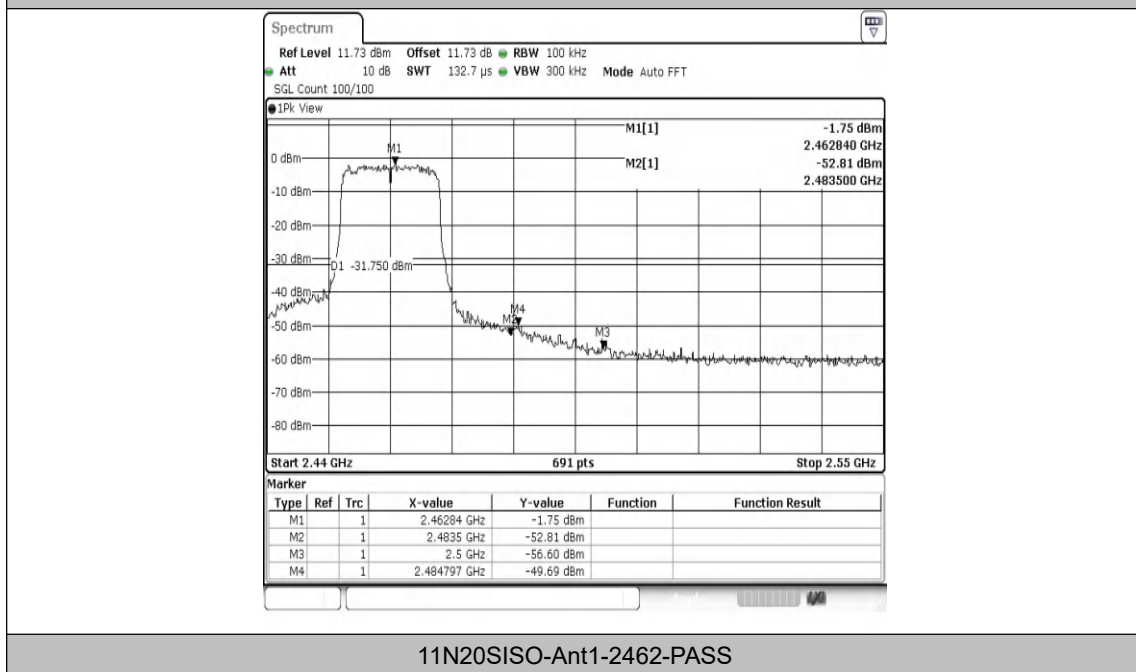
11G-Ant1-2412-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



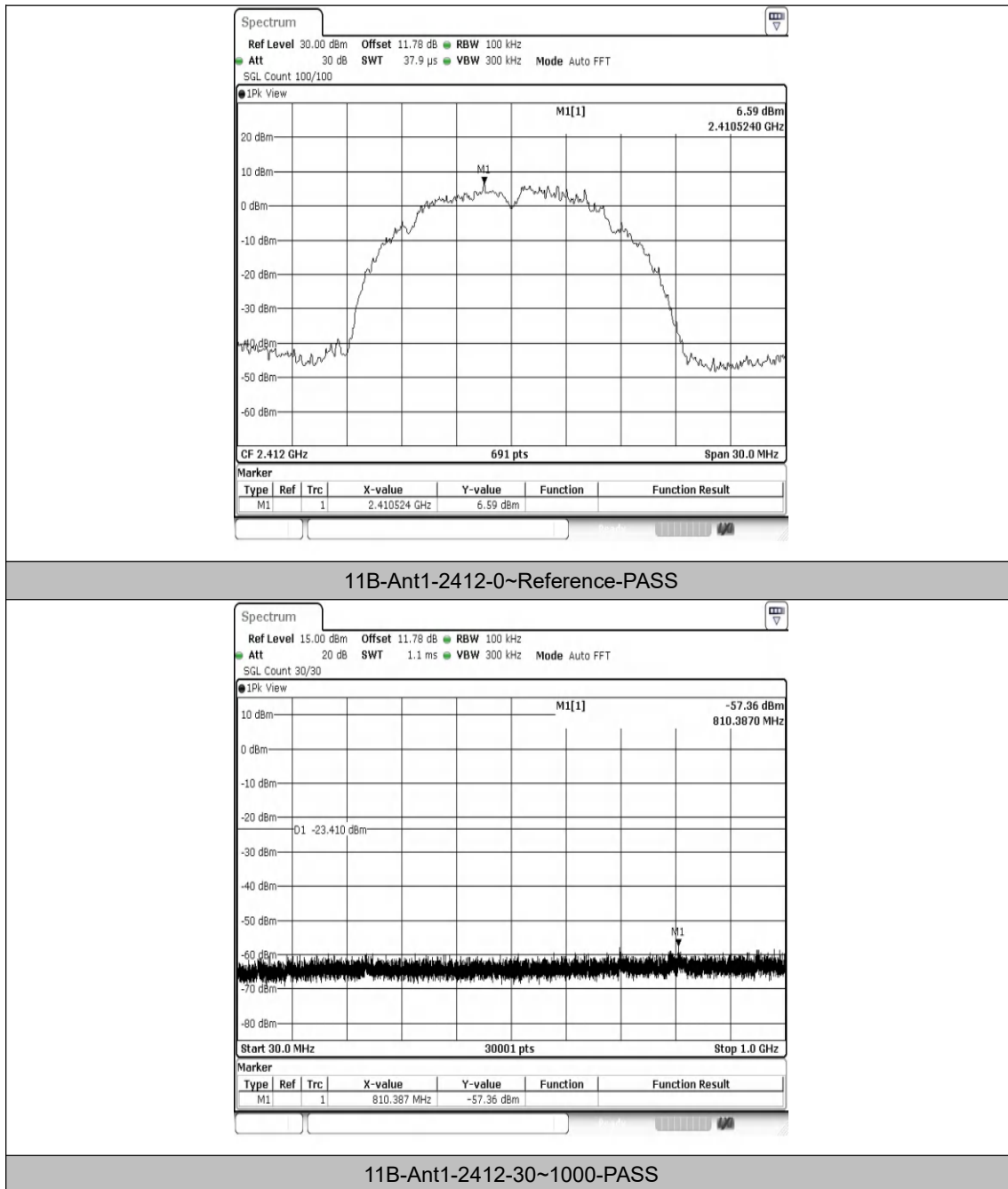
11N20SISO-Ant1-2462-PASS

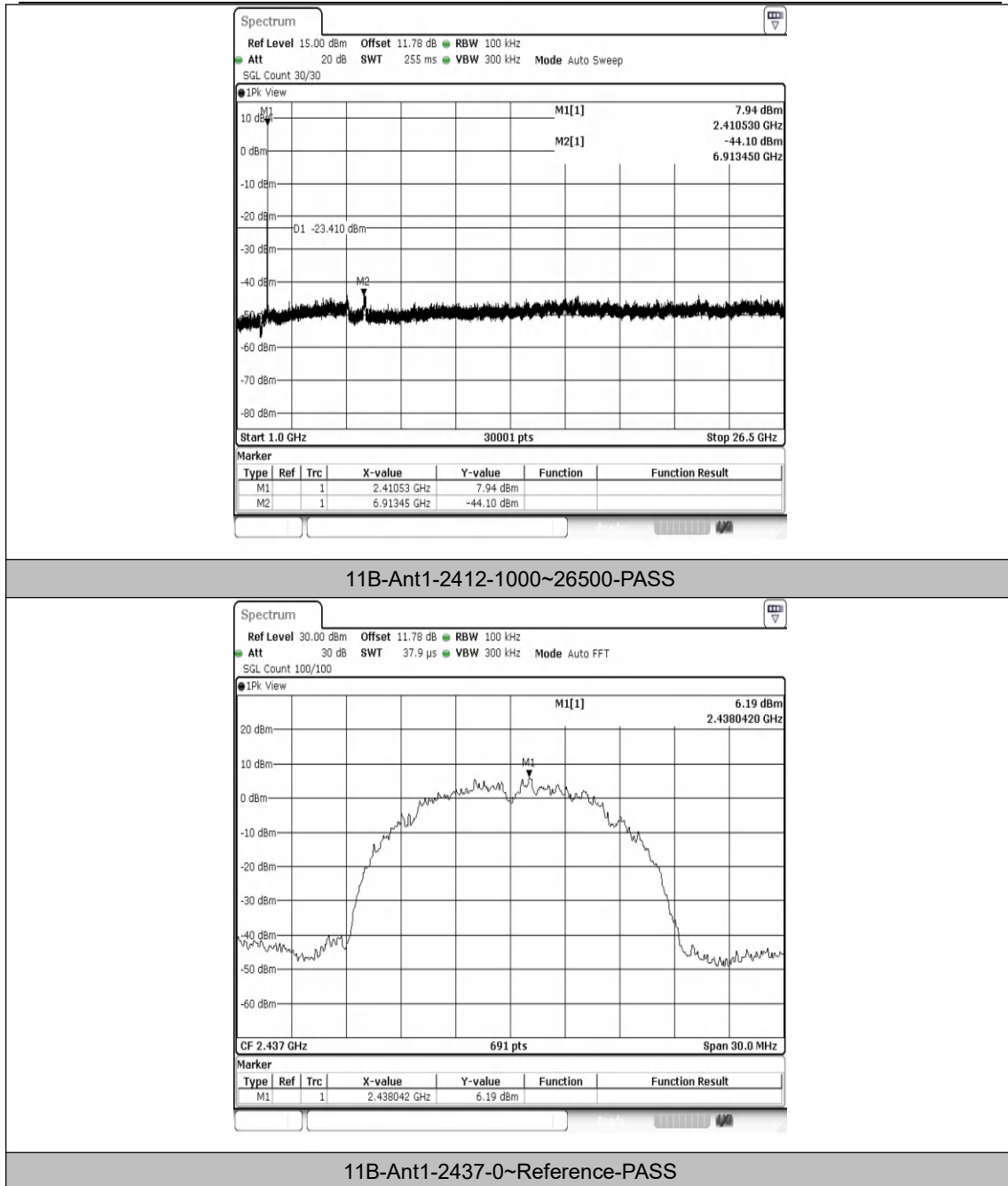
## Appendix F: Conducted Spurious Emission

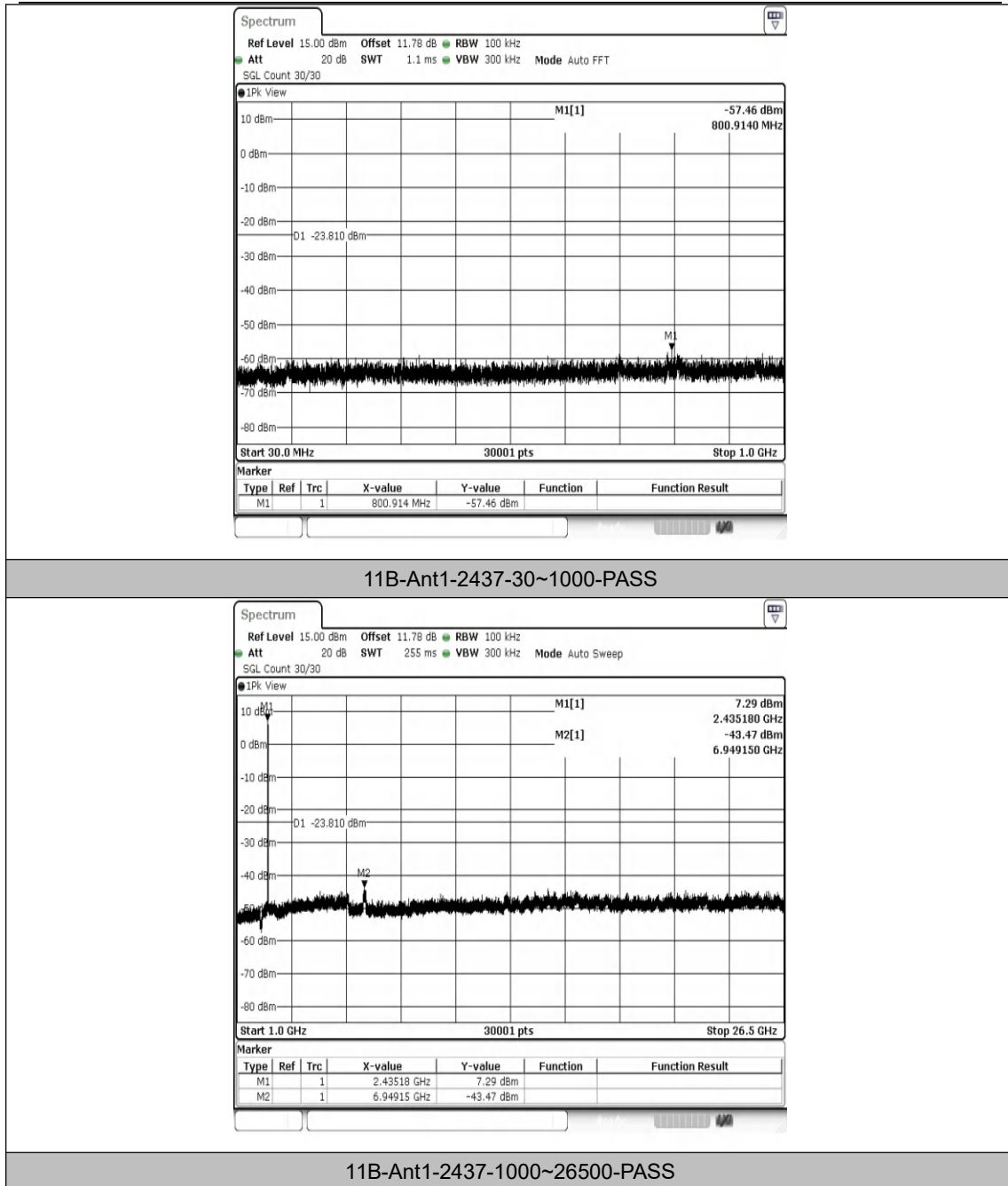
### Test Result

| Test Mode | Antenna | Frequency [MHz] | Freq. Range [Mhz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------------|-------------------|------------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412            | 0~Reference       | 6.59             | 6.59         | ---         | PASS    |
| 11B       | Ant1    | 2412            | 30~1000           | 6.59             | -57.36       | ≤-23.41     | PASS    |
| 11B       | Ant1    | 2412            | 1000~26500        | 6.59             | -44.1        | ≤-23.41     | PASS    |
| 11B       | Ant1    | 2437            | 0~Reference       | 6.19             | 6.19         | ---         | PASS    |
| 11B       | Ant1    | 2437            | 30~1000           | 6.19             | -57.46       | ≤-23.81     | PASS    |
| 11B       | Ant1    | 2437            | 1000~26500        | 6.19             | -43.47       | ≤-23.81     | PASS    |
| 11B       | Ant1    | 2462            | 0~Reference       | 5.11             | 5.11         | ---         | PASS    |
| 11B       | Ant1    | 2462            | 30~1000           | 5.11             | -57.1        | ≤-24.89     | PASS    |
| 11B       | Ant1    | 2462            | 1000~26500        | 5.11             | -43.74       | ≤-24.89     | PASS    |
| 11G       | Ant1    | 2412            | 0~Reference       | 0.91             | 0.91         | ---         | PASS    |
| 11G       | Ant1    | 2412            | 30~1000           | 0.91             | -57.76       | ≤-29.09     | PASS    |
| 11G       | Ant1    | 2412            | 1000~26500        | 0.91             | -43.97       | ≤-29.09     | PASS    |
| 11G       | Ant1    | 2437            | 0~Reference       | -0.07            | -0.07        | ---         | PASS    |
| 11G       | Ant1    | 2437            | 30~1000           | -0.07            | -57.57       | ≤-30.07     | PASS    |
| 11G       | Ant1    | 2437            | 1000~26500        | -0.07            | -43.48       | ≤-30.07     | PASS    |
| 11G       | Ant1    | 2462            | 0~Reference       | -0.50            | -0.50        | ---         | PASS    |
| 11G       | Ant1    | 2462            | 30~1000           | -0.50            | -57.94       | ≤-30.5      | PASS    |
| 11G       | Ant1    | 2462            | 1000~26500        | -0.50            | -44.11       | ≤-30.5      | PASS    |
| 11N20SISO | Ant1    | 2412            | 0~Reference       | -0.25            | -0.25        | ---         | PASS    |
| 11N20SISO | Ant1    | 2412            | 30~1000           | -0.25            | -57.92       | ≤-30.25     | PASS    |
| 11N20SISO | Ant1    | 2412            | 1000~26500        | -0.25            | -43.85       | ≤-30.25     | PASS    |
| 11N20SISO | Ant1    | 2437            | 0~Reference       | -1.56            | -1.56        | ---         | PASS    |
| 11N20SISO | Ant1    | 2437            | 30~1000           | -1.56            | -57.86       | ≤-31.56     | PASS    |
| 11N20SISO | Ant1    | 2437            | 1000~26500        | -1.56            | -43.55       | ≤-31.56     | PASS    |
| 11N20SISO | Ant1    | 2462            | 0~Reference       | -1.84            | -1.84        | ---         | PASS    |
| 11N20SISO | Ant1    | 2462            | 30~1000           | -1.84            | -57.79       | ≤-31.84     | PASS    |
| 11N20SISO | Ant1    | 2462            | 1000~26500        | -1.84            | -44.29       | ≤-31.84     | PASS    |

## Test Graphs



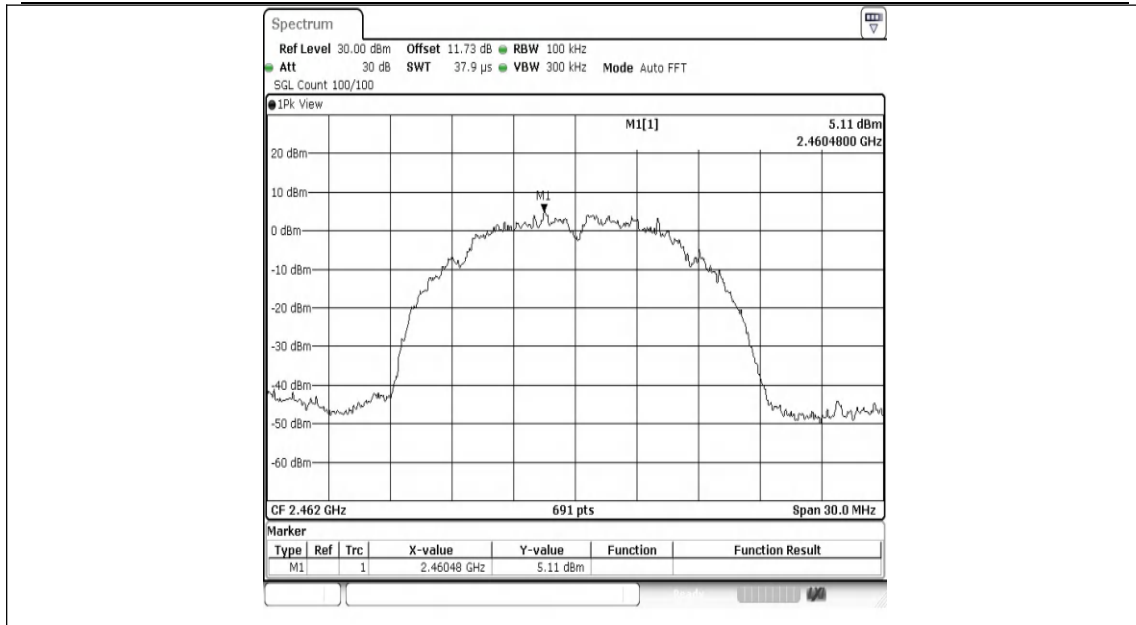




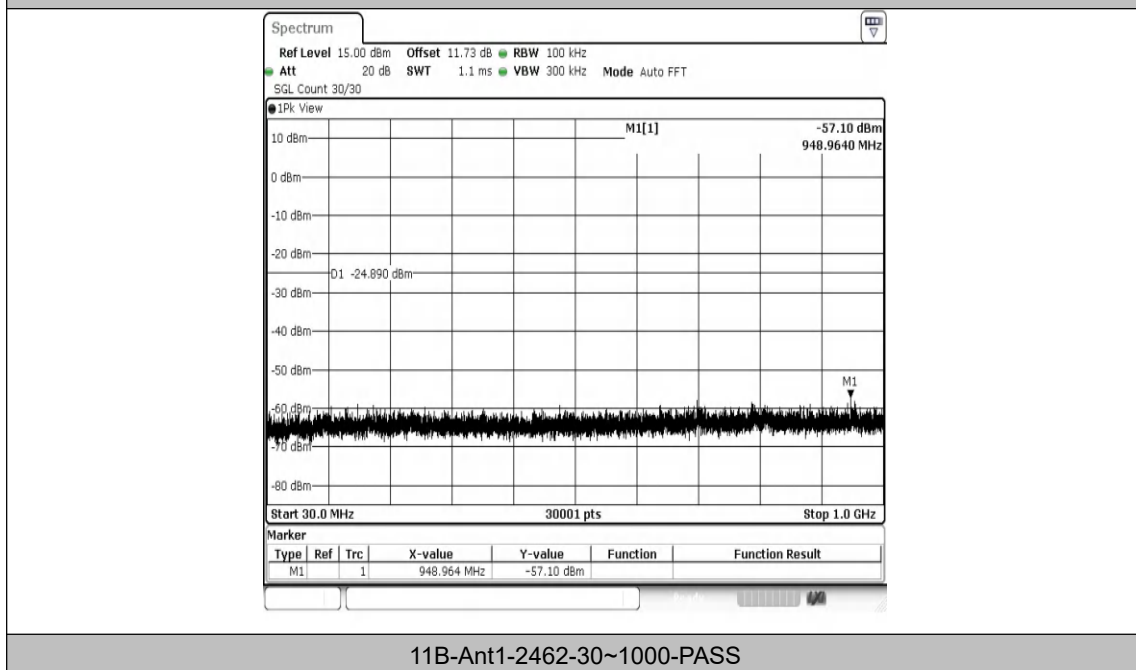
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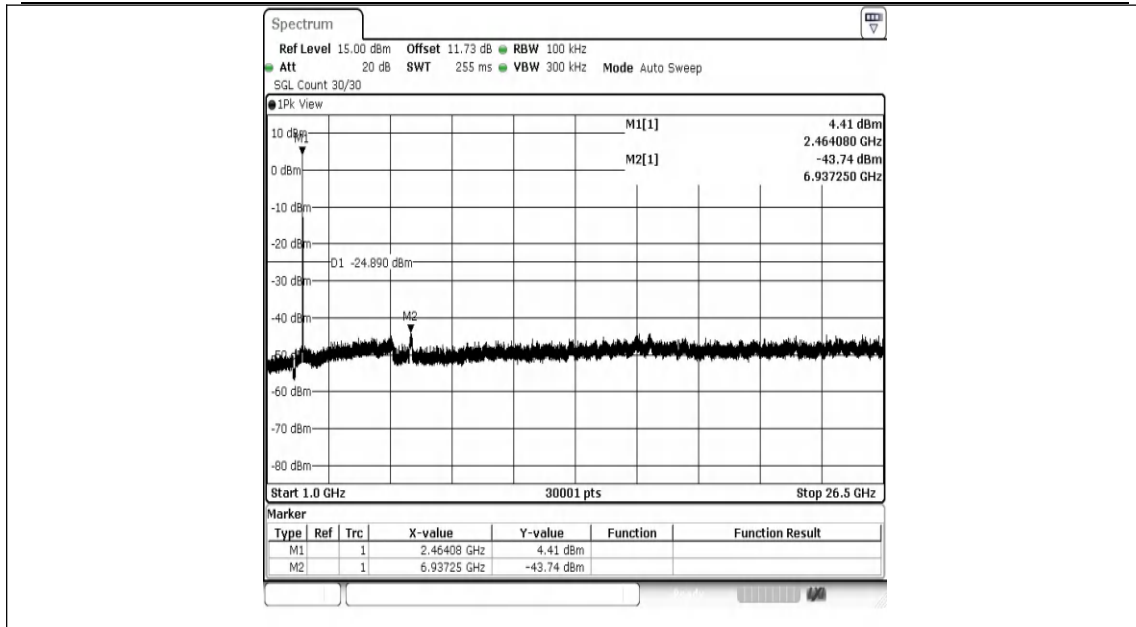
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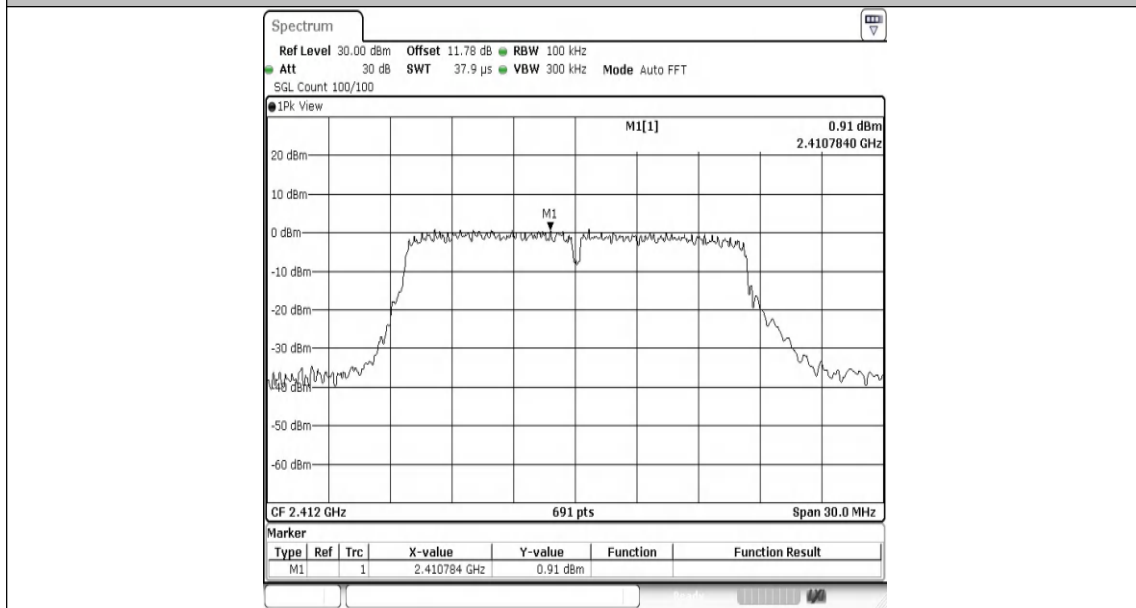
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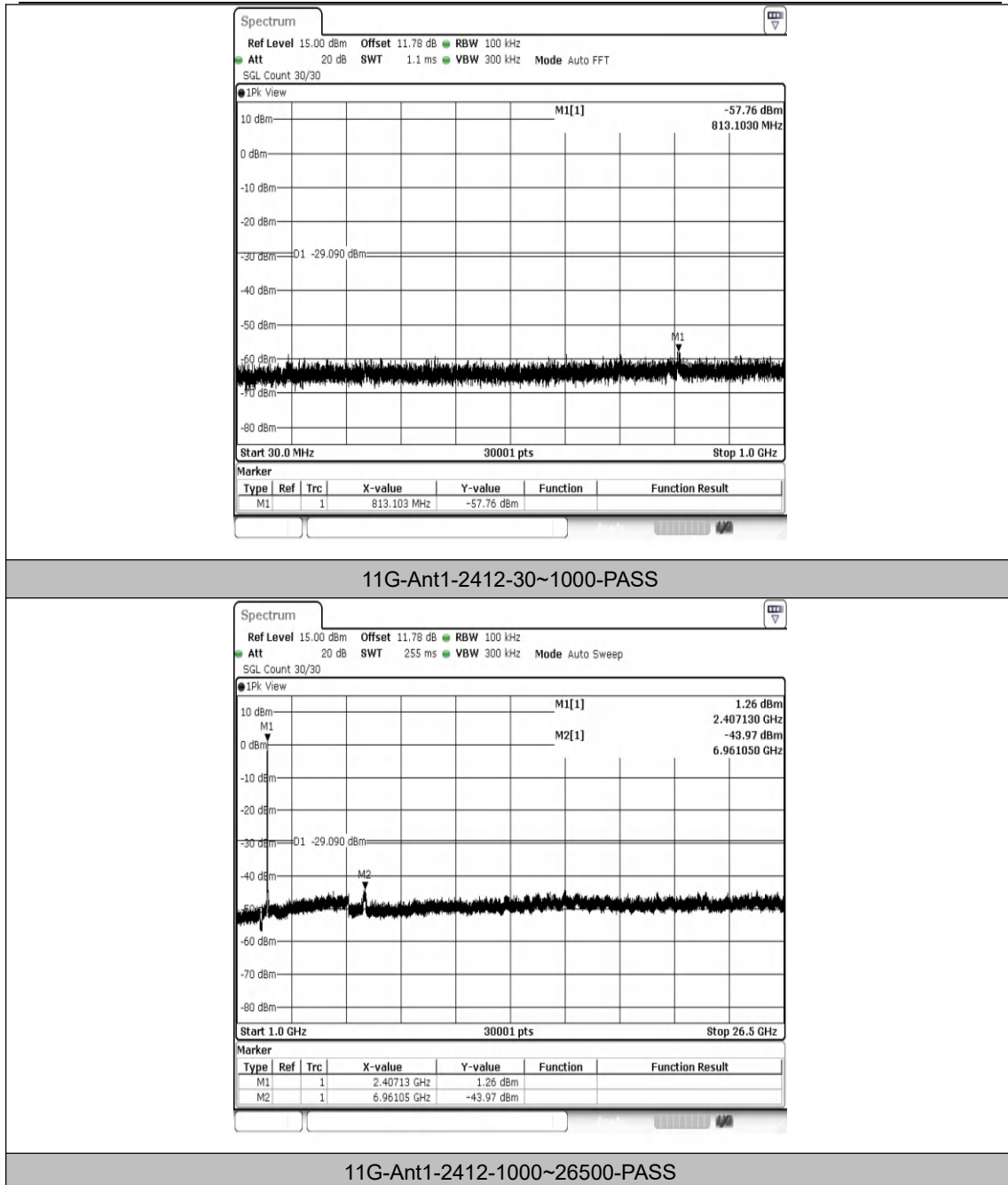
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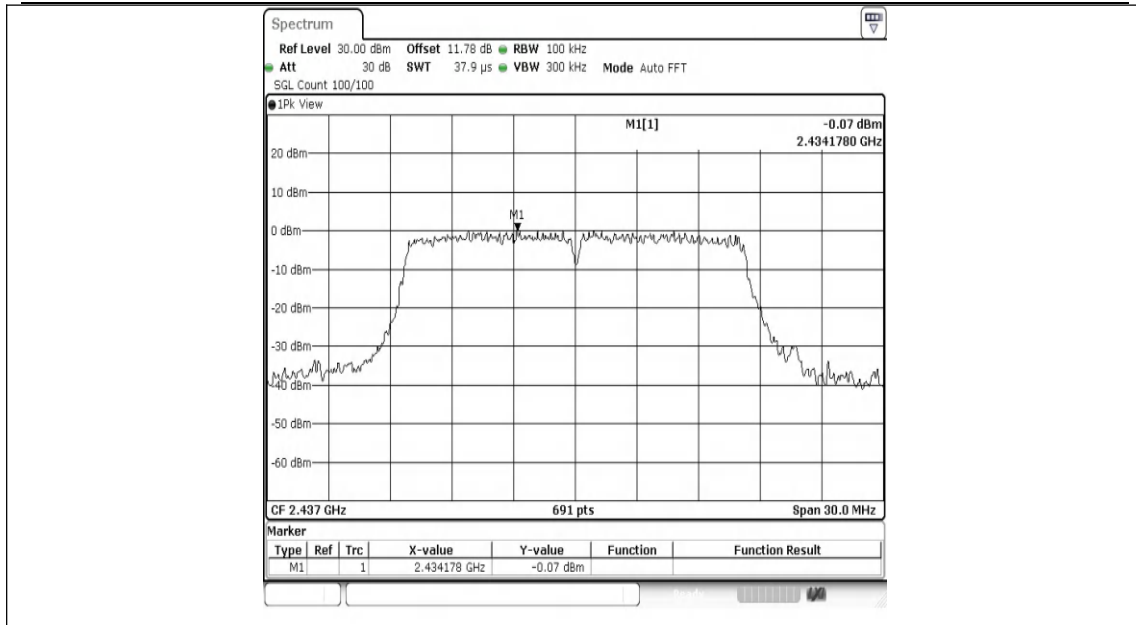


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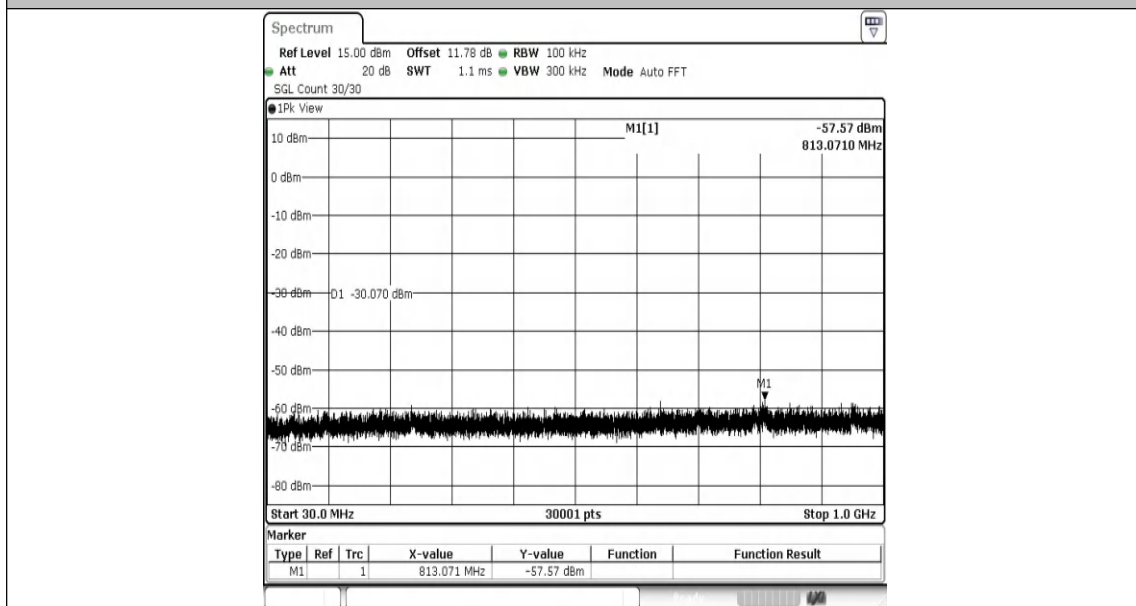


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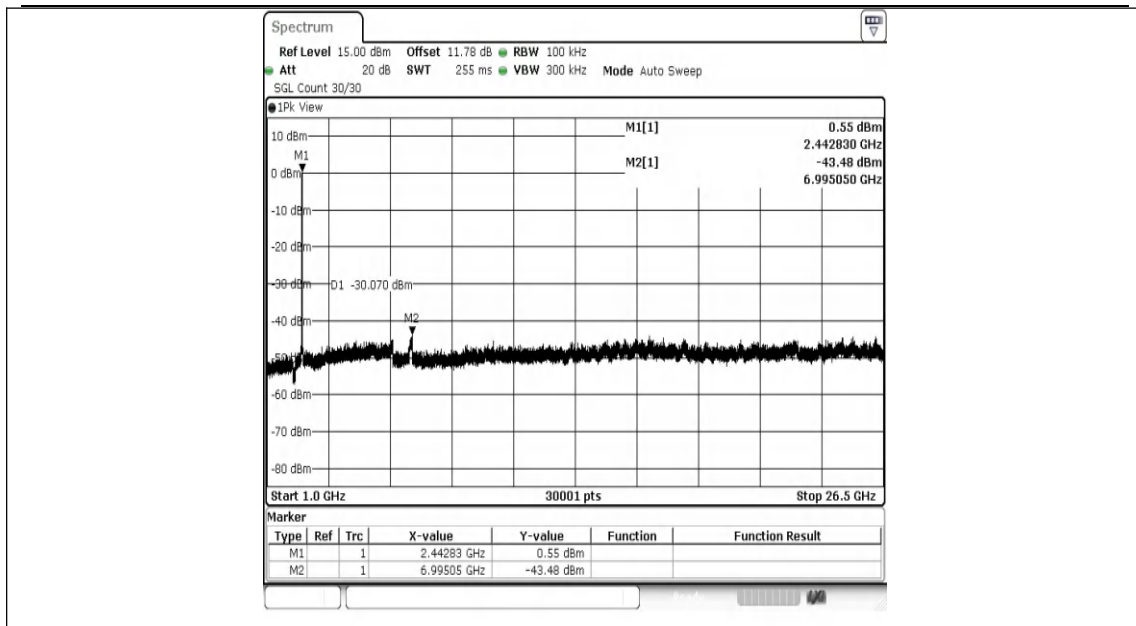




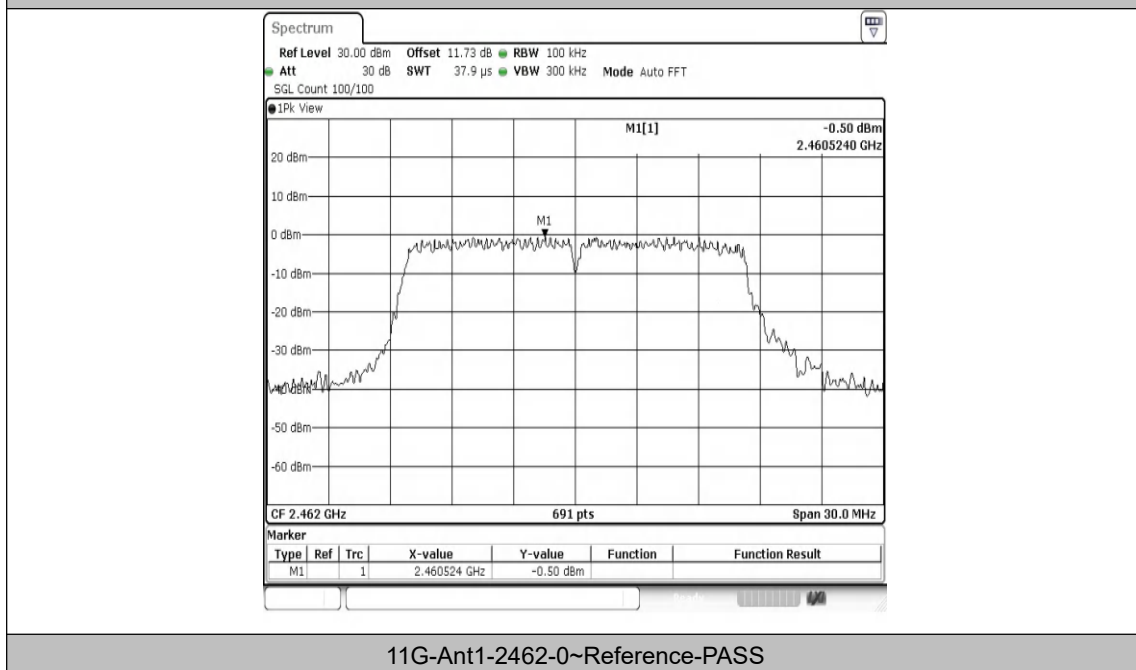
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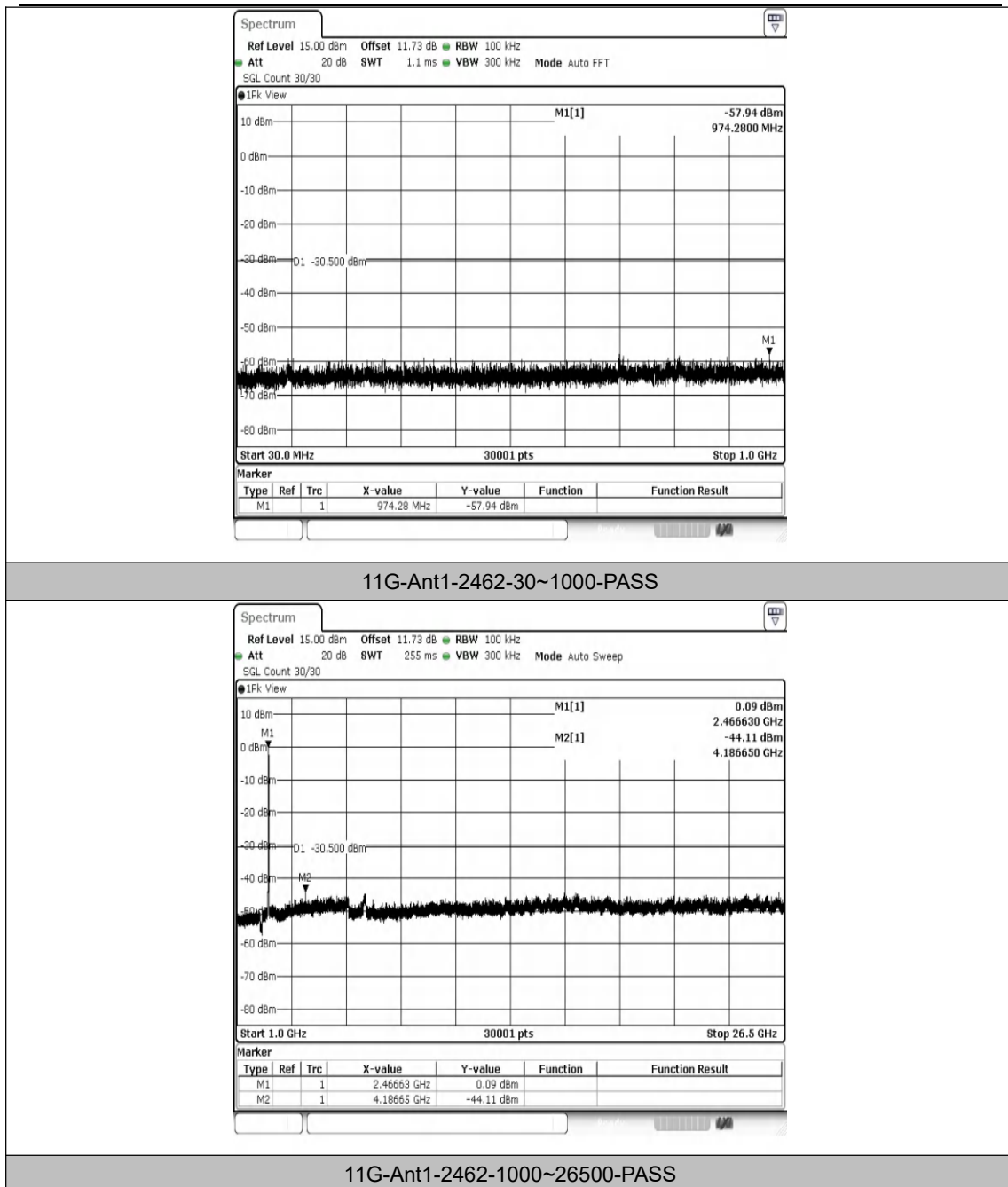
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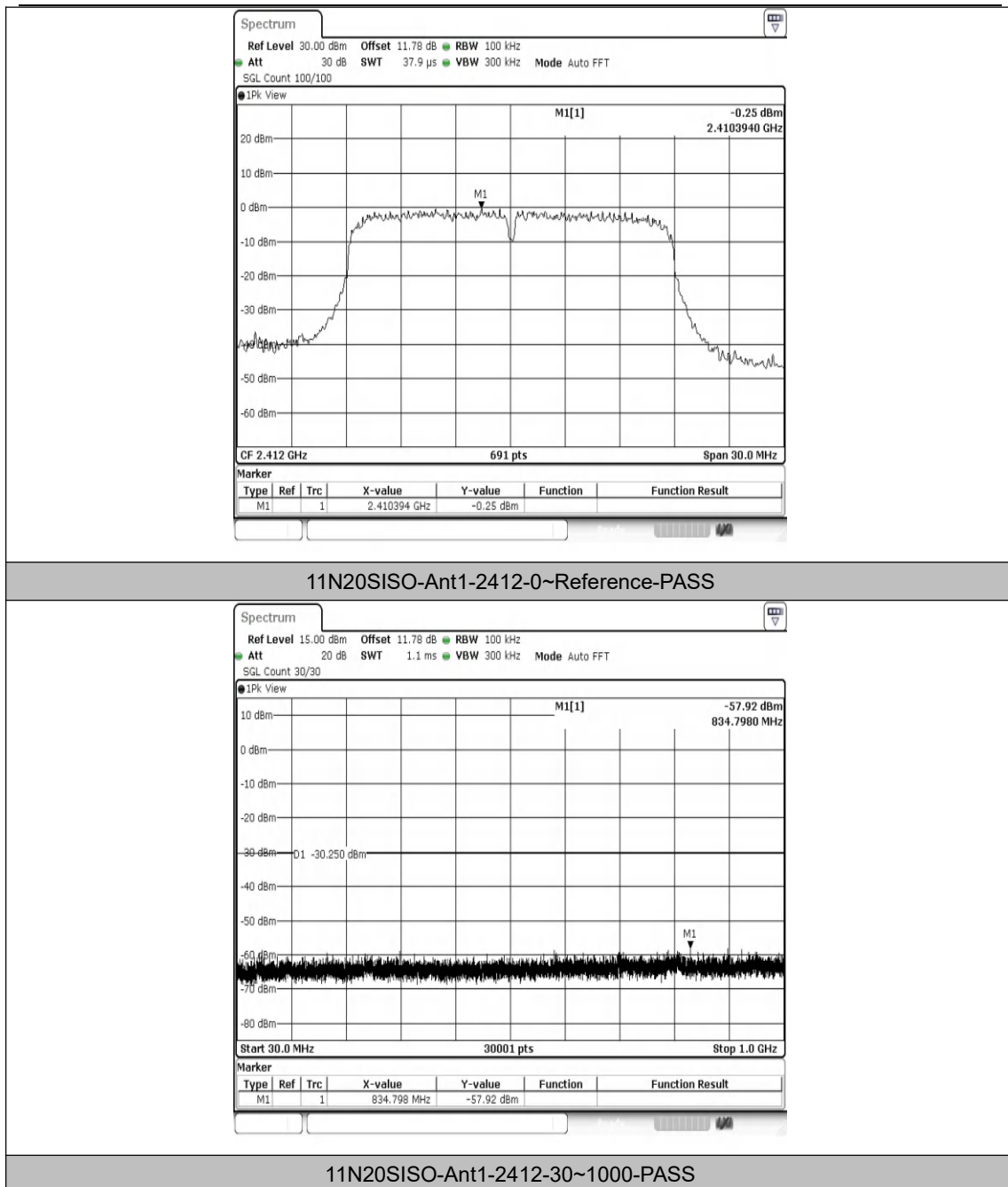


11G-Ant1-2437-1000~26500-PASS



11G-Ant1-2462-0~Reference-PASS

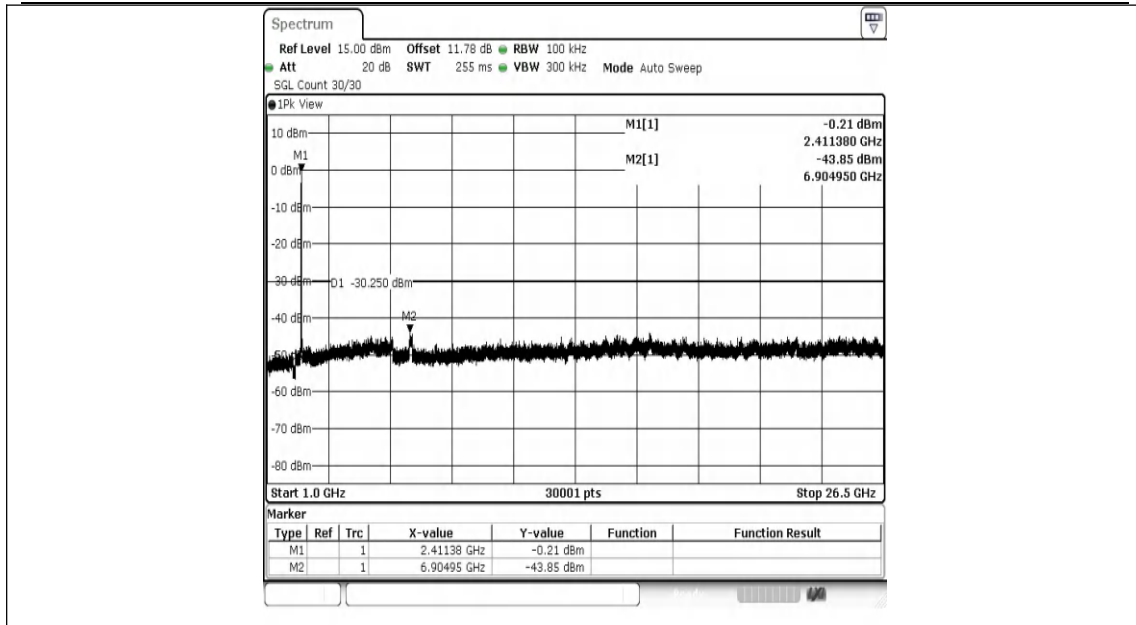




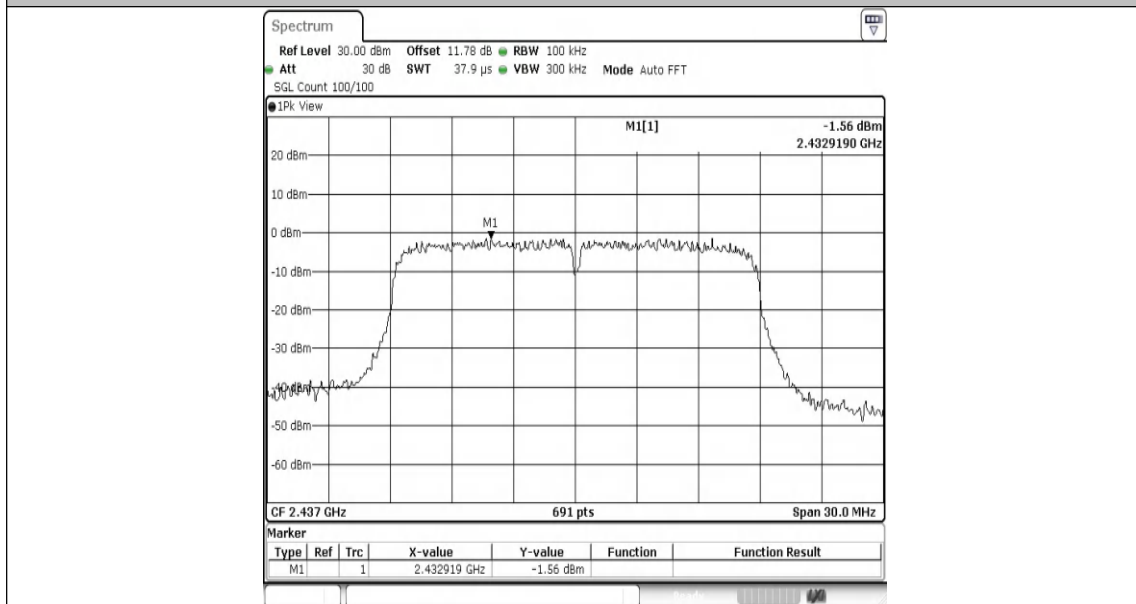
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China  
Tel:(86)0755-26066440 Email:service@anbotech.com

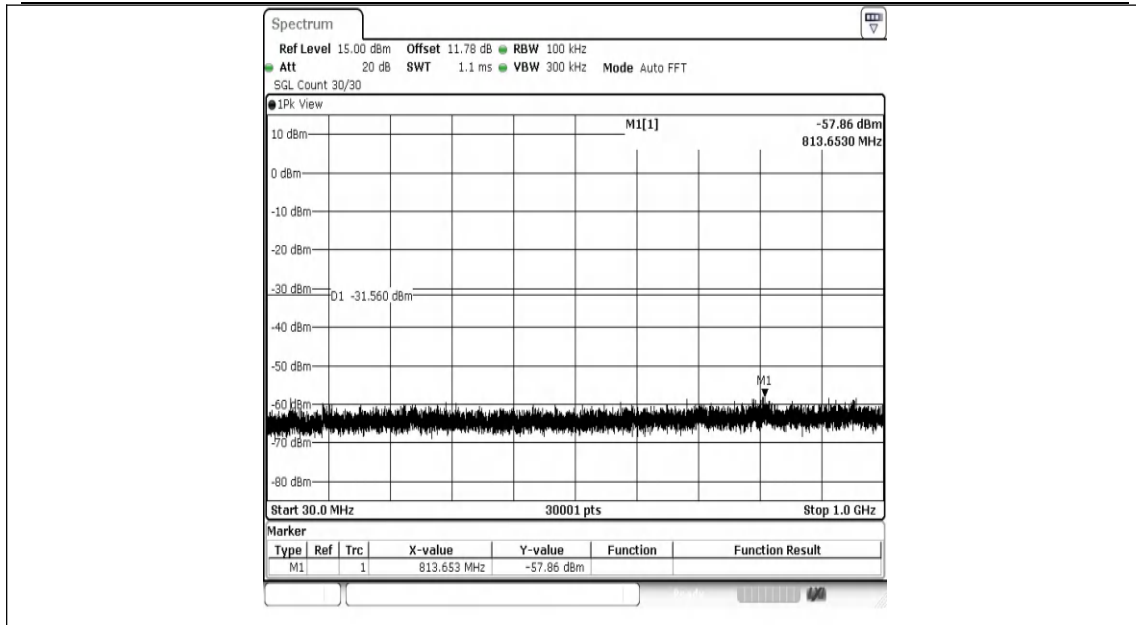
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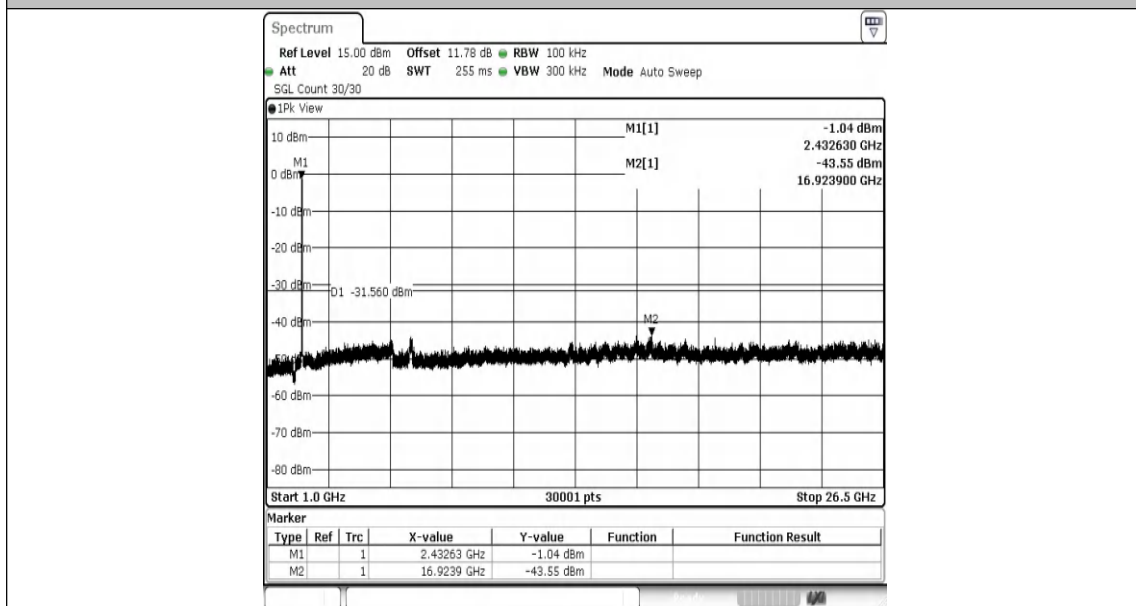
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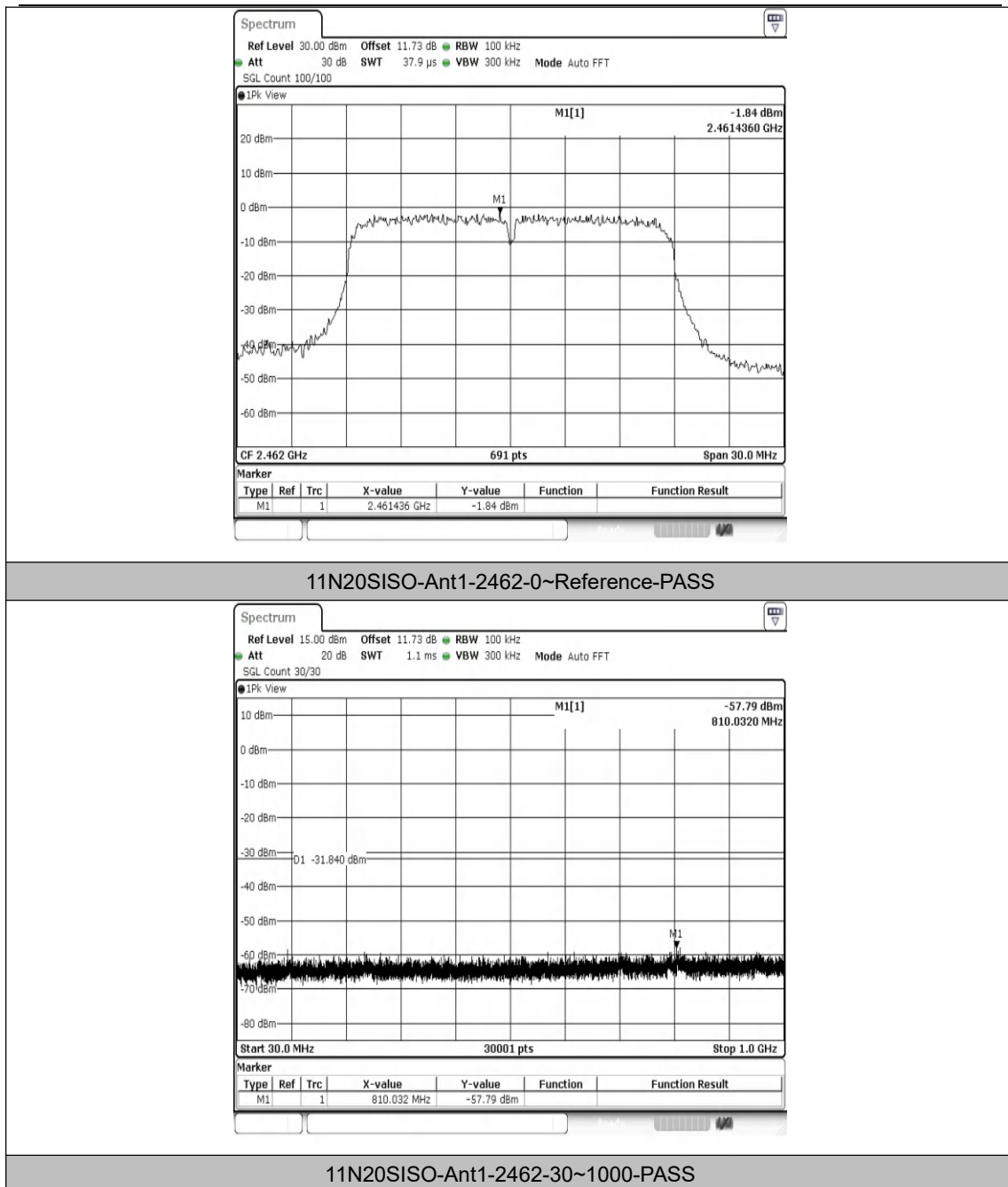
11N20SISO-Ant1-2437-0~Reference-PASS



11N20SISO-Ant1-2437-30~1000-PASS



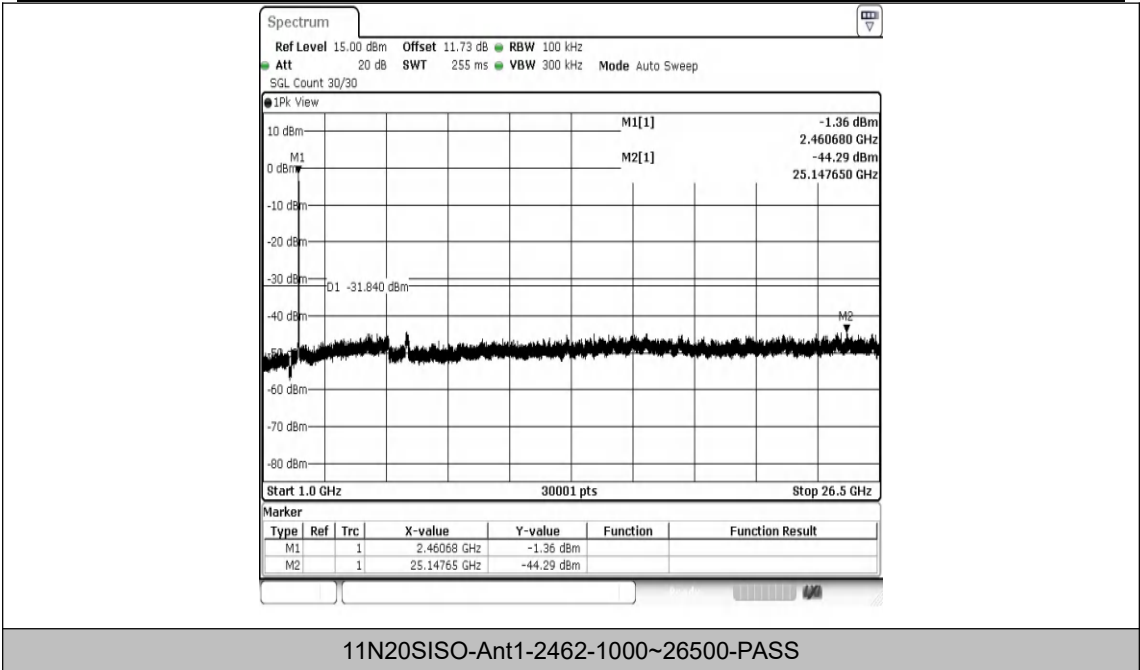
11N20SISO-Ant1-2437-1000~26500-PASS



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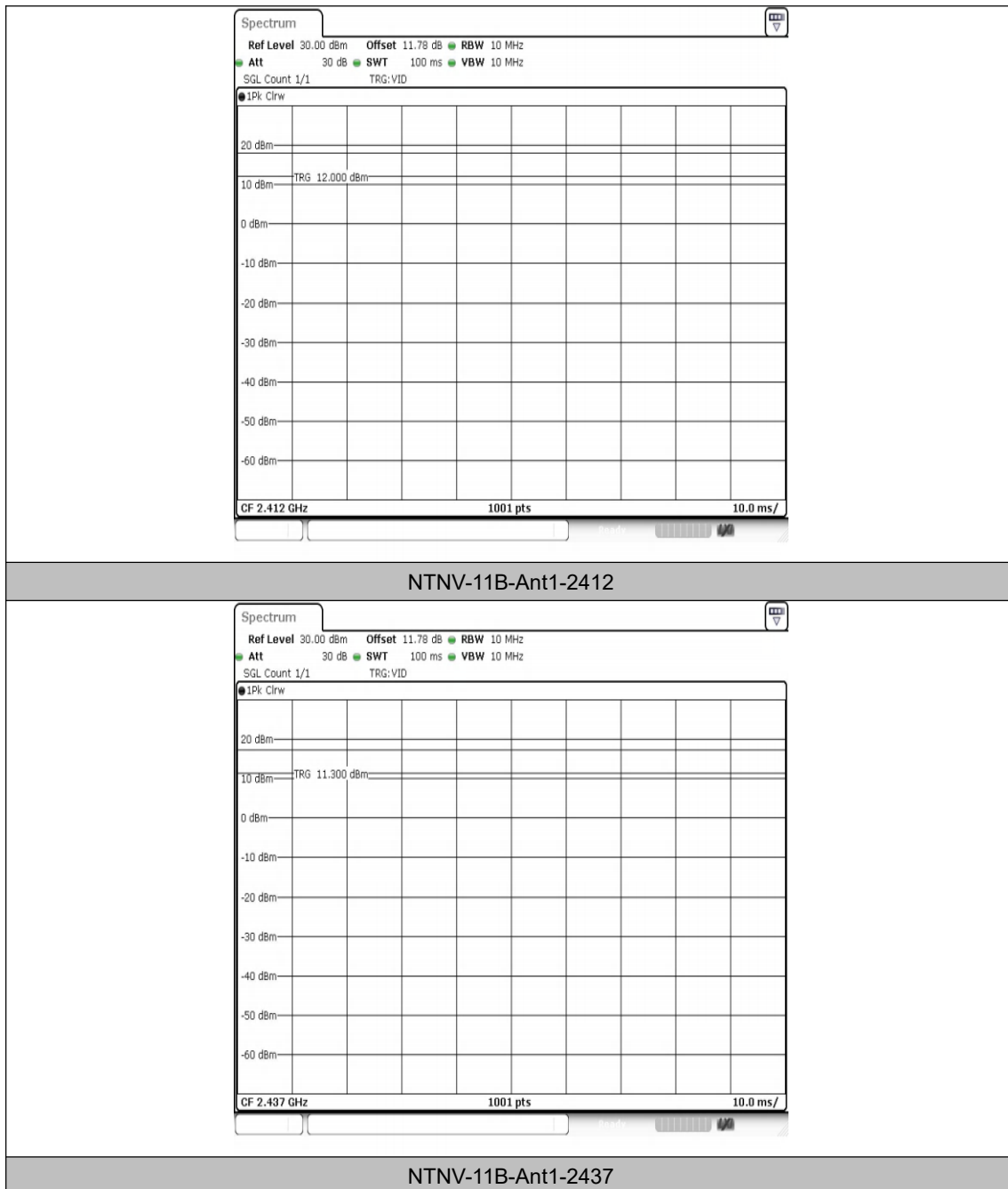


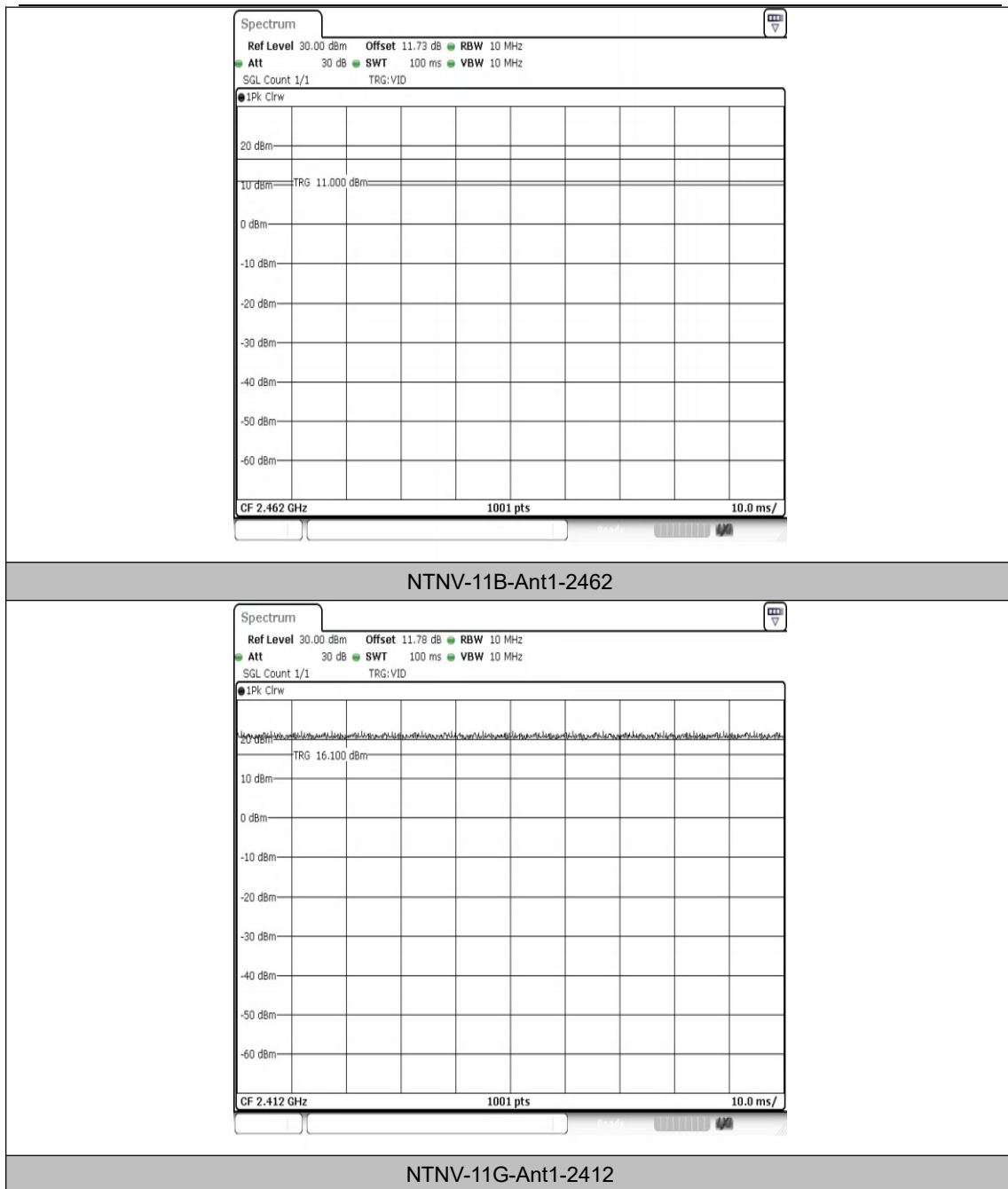
## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency [MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Factor [dB] |
|-----------|---------|-----------------|----------------------------|--------------------------|----------------|-------------|
| 11B       | Ant1    | 2412            | 100.00                     | 100.00                   | 100.00         | 0.00        |
| 11B       | Ant1    | 2437            | 100.00                     | 100.00                   | 100.00         | 0.00        |
| 11B       | Ant1    | 2462            | 100.00                     | 100.00                   | 100.00         | 0.00        |
| 11G       | Ant1    | 2412            | 100.00                     | 100.00                   | 100.00         | 0.00        |
| 11G       | Ant1    | 2437            | 100.00                     | 100.00                   | 100.00         | 0.00        |
| 11G       | Ant1    | 2462            | 100.00                     | 100.00                   | 100.00         | 0.00        |
| 11N20SISO | Ant1    | 2412            | 100.00                     | 100.00                   | 100.00         | 0.00        |
| 11N20SISO | Ant1    | 2437            | 100.00                     | 100.00                   | 100.00         | 0.00        |
| 11N20SISO | Ant1    | 2462            | 100.00                     | 100.00                   | 100.00         | 0.00        |

## Test Graphs

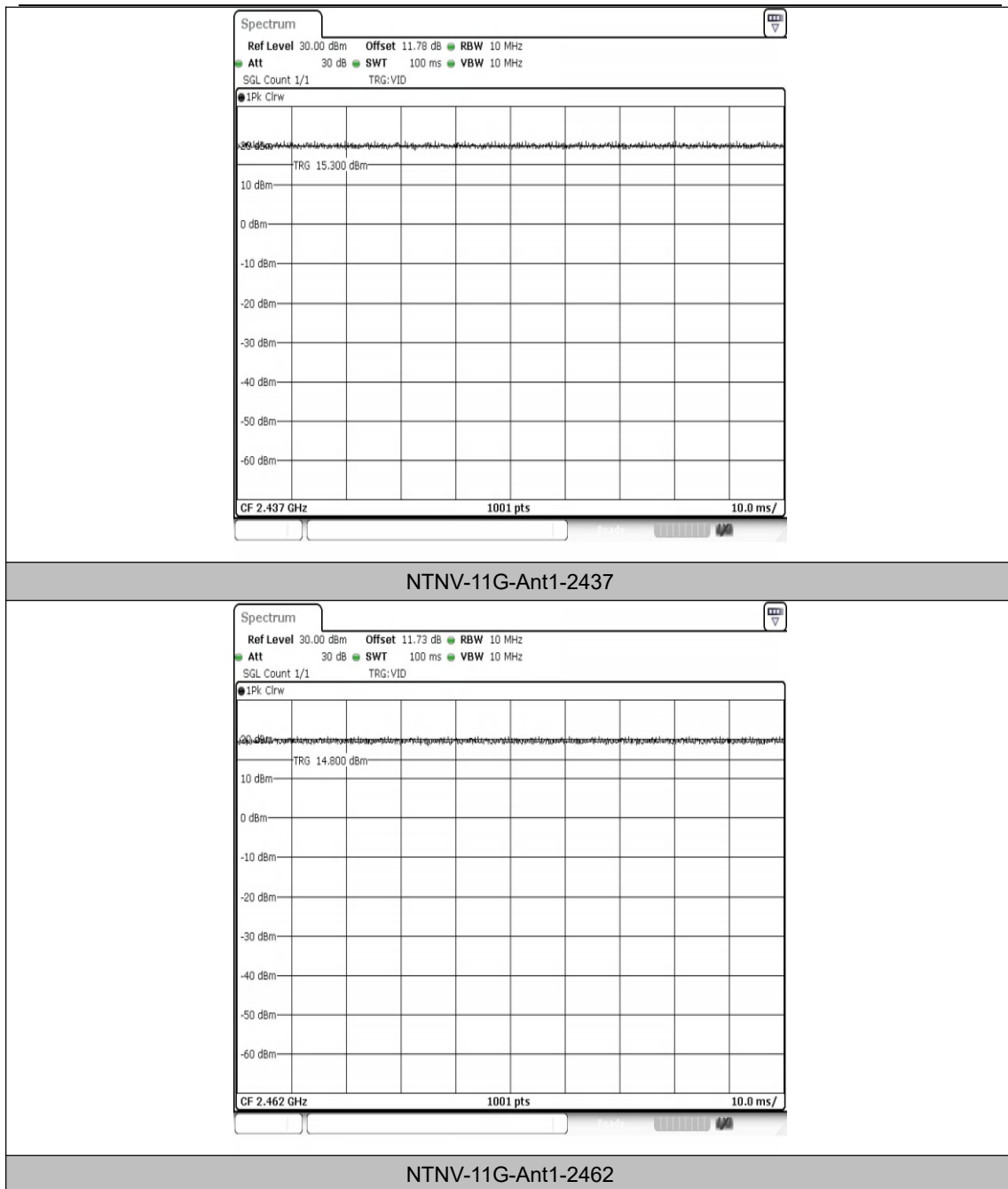




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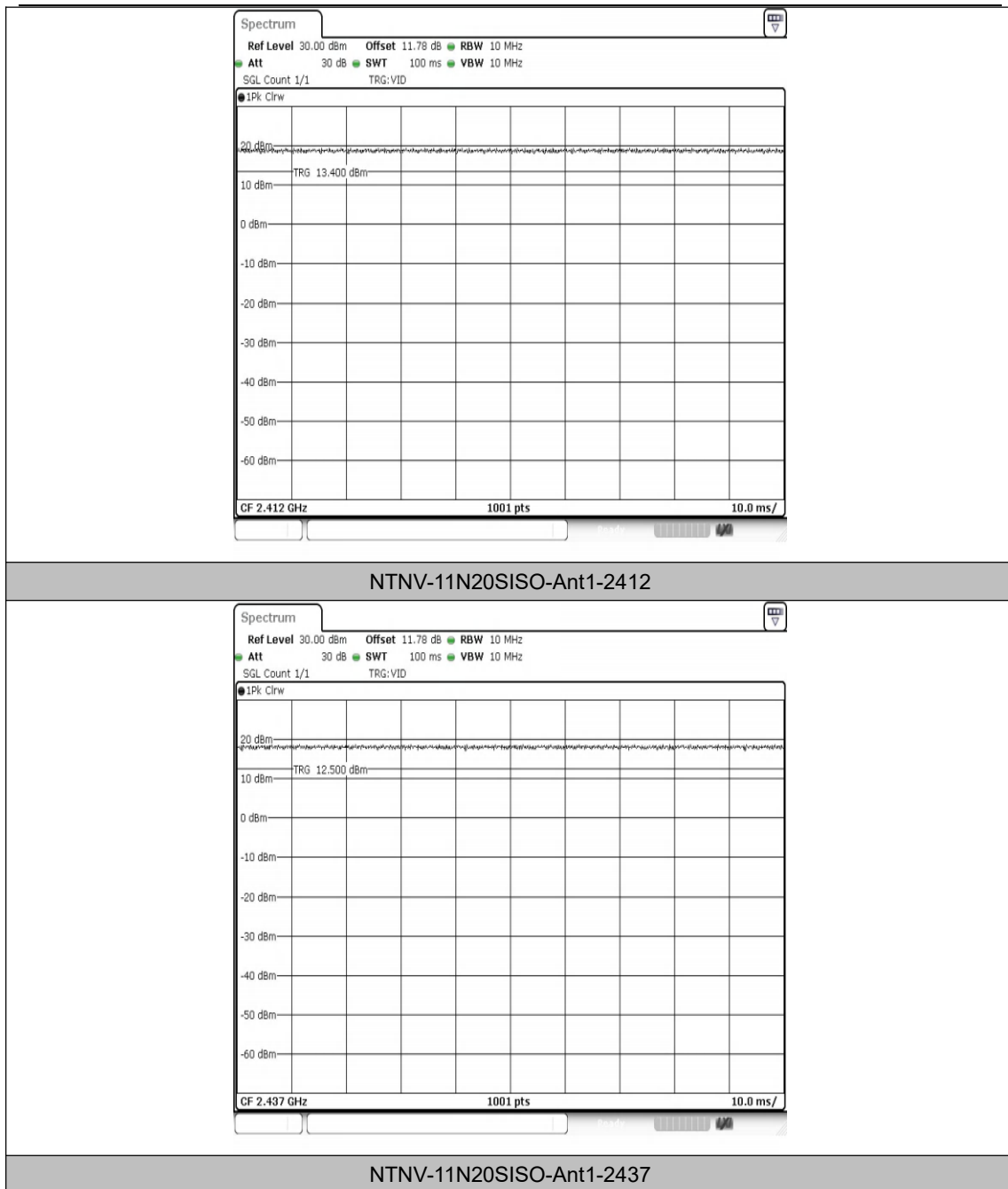
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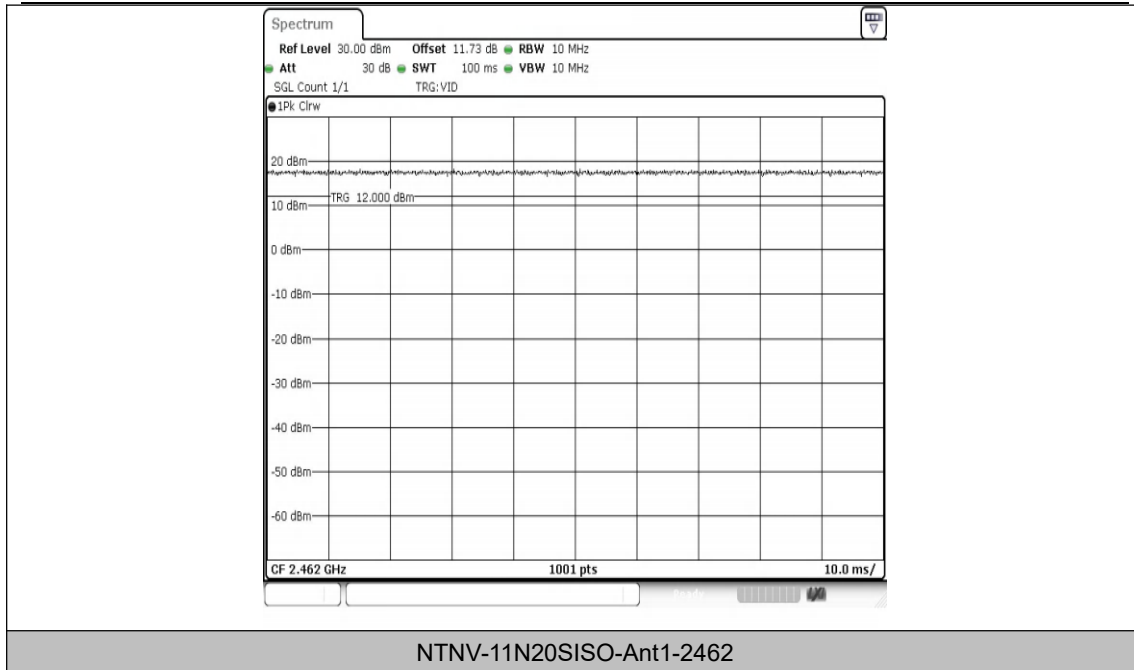
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