

## Appendix Test Data

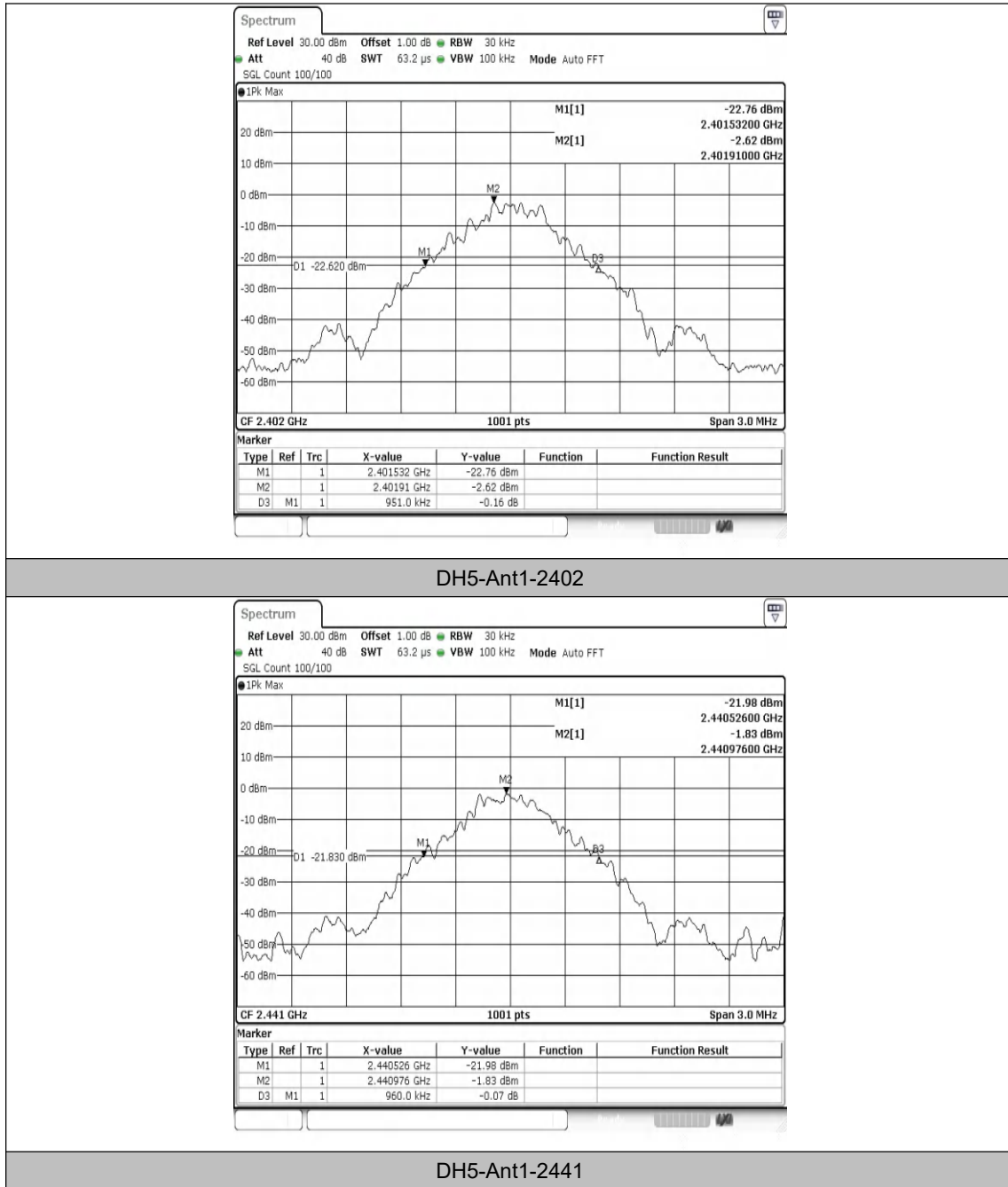
|                  |                  |                    |                    |
|------------------|------------------|--------------------|--------------------|
| Report No.:      | 1812C50424312501 | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2025-8-22        | Finish Test Date:  | 2025-8-27          |
| Test Engineer:   | <i>dylan. Ma</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 25°C             | Relative Humidity: | 45%                |
| Pressure:        | 101kPa           |                    |                    |

## Appendix A: 20dB Bandwidth

### Test Result

| Test Mode | Antenna | Frequency [MHz] | 20db EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|-----------------|---------------|---------|---------|------------|---------|
| DH5       | Ant1    | 2402            | 0.95          | 2401.53 | 2402.48 | ---        | ---     |
| DH5       | Ant1    | 2441            | 0.96          | 2440.53 | 2441.49 | ---        | ---     |
| DH5       | Ant1    | 2480            | 0.96          | 2479.53 | 2480.49 | ---        | ---     |
| 2DH5      | Ant1    | 2402            | 1.27          | 2401.37 | 2402.65 | ---        | ---     |
| 2DH5      | Ant1    | 2441            | 1.28          | 2440.37 | 2441.65 | ---        | ---     |
| 2DH5      | Ant1    | 2480            | 1.21          | 2479.39 | 2480.60 | ---        | ---     |
| 3DH5      | Ant1    | 2402            | 1.21          | 2401.40 | 2402.61 | ---        | ---     |
| 3DH5      | Ant1    | 2441            | 1.17          | 2440.42 | 2441.58 | ---        | ---     |
| 3DH5      | Ant1    | 2480            | 1.21          | 2479.41 | 2480.61 | ---        | ---     |

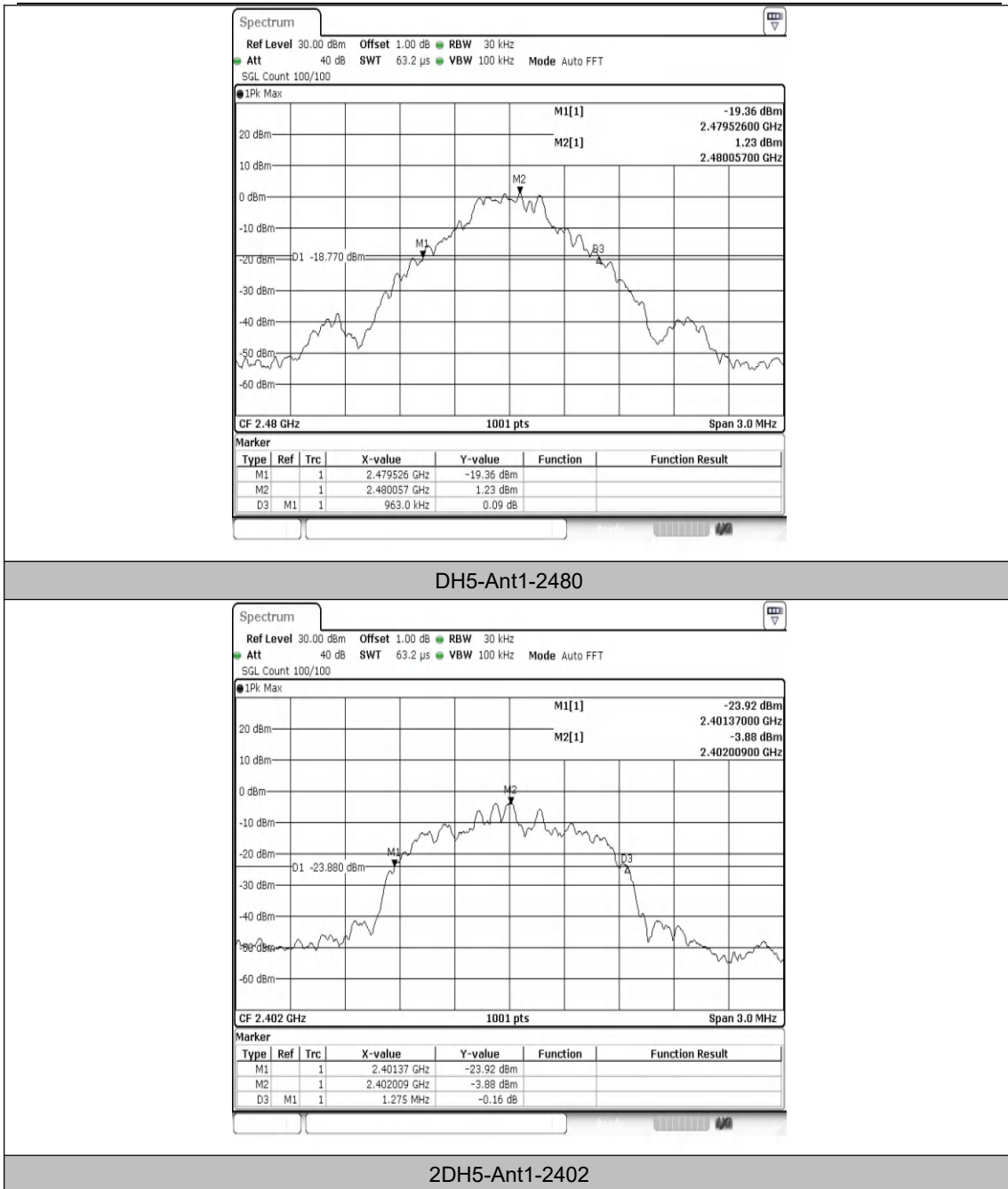
## Test Graphs



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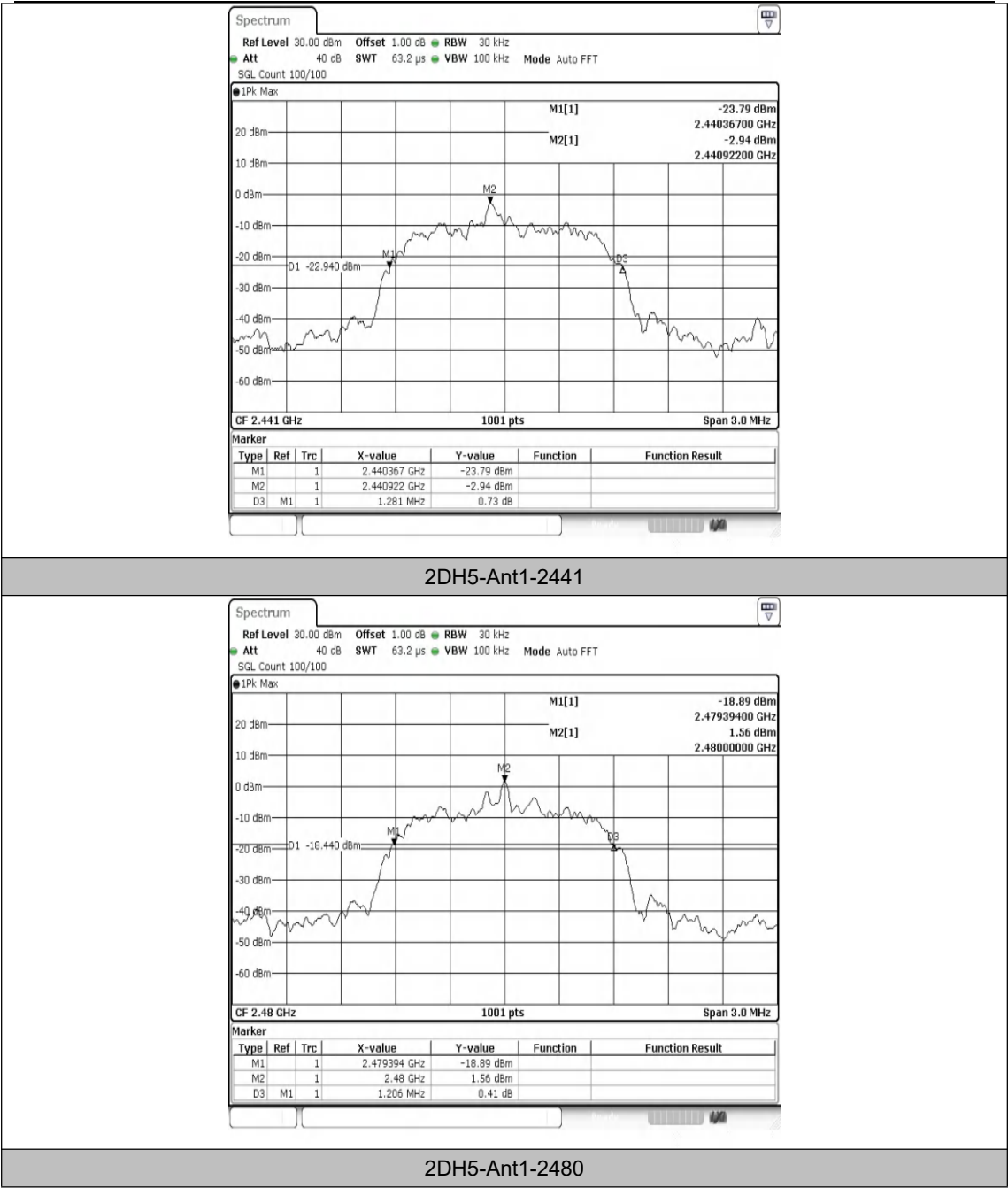
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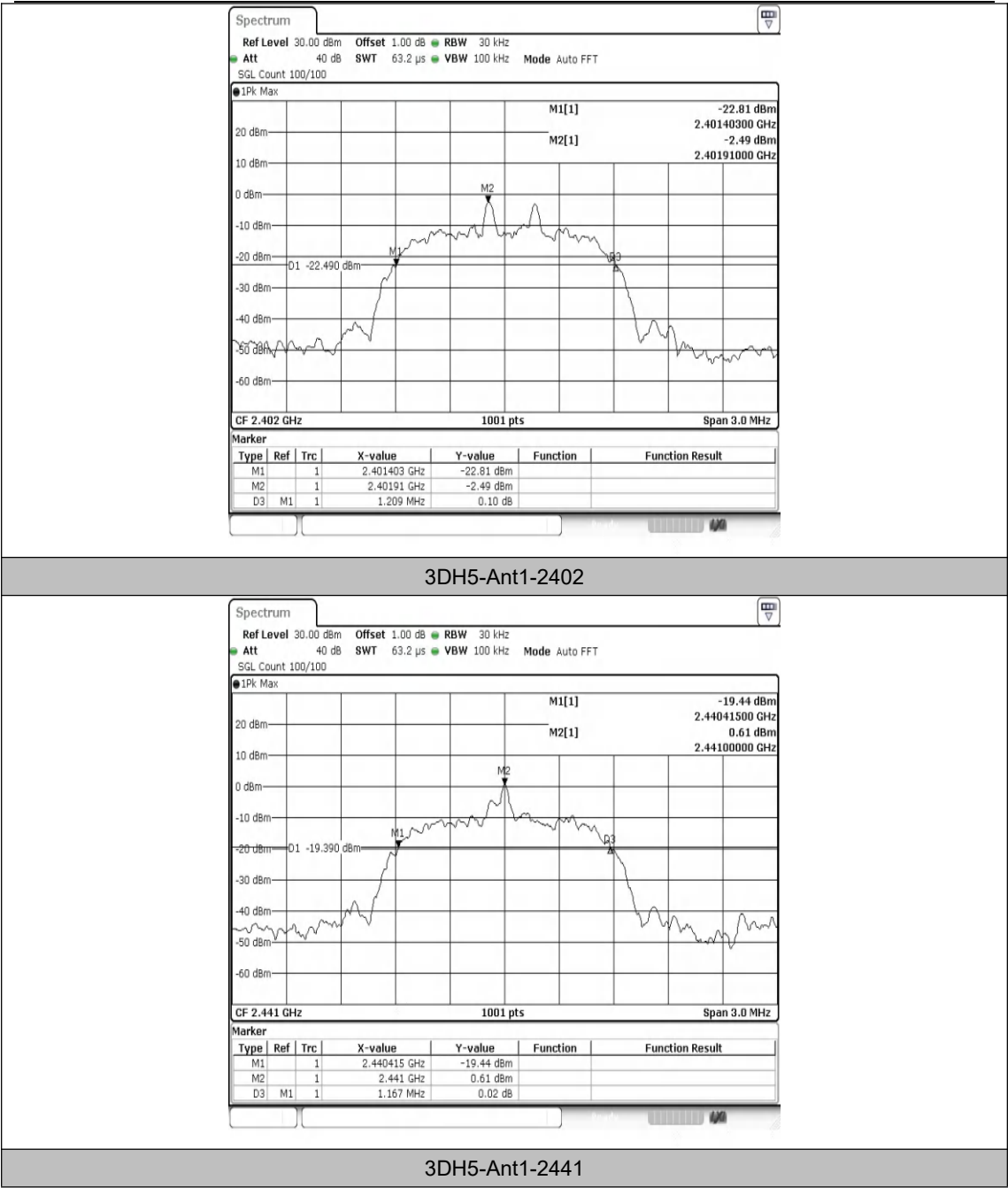
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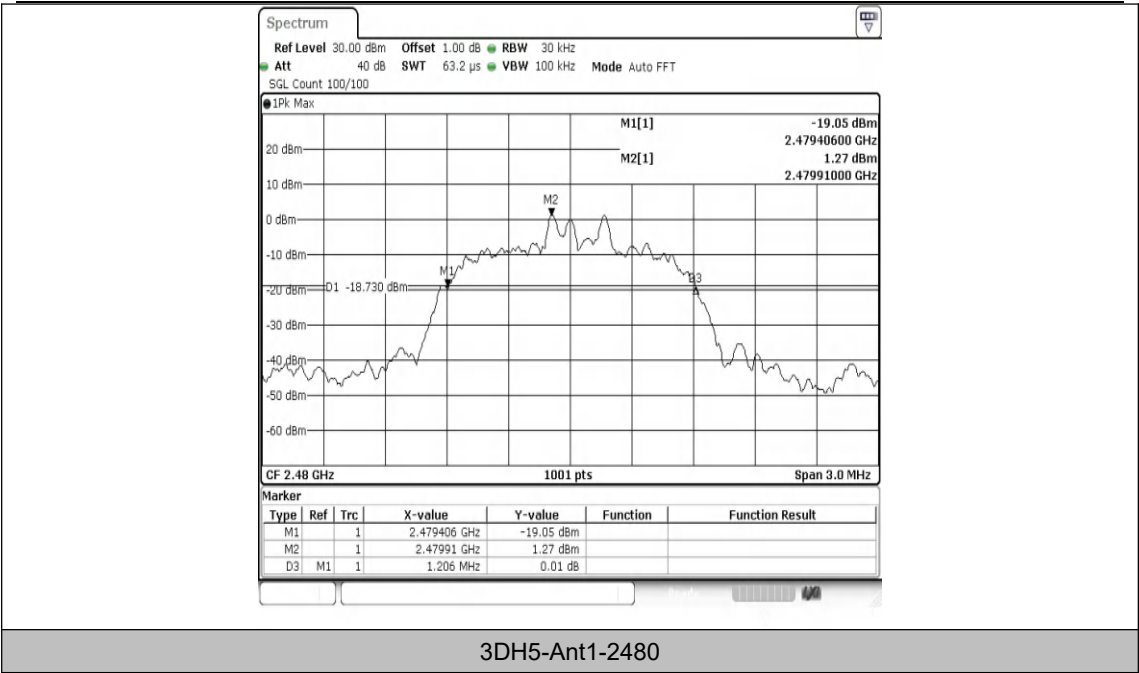


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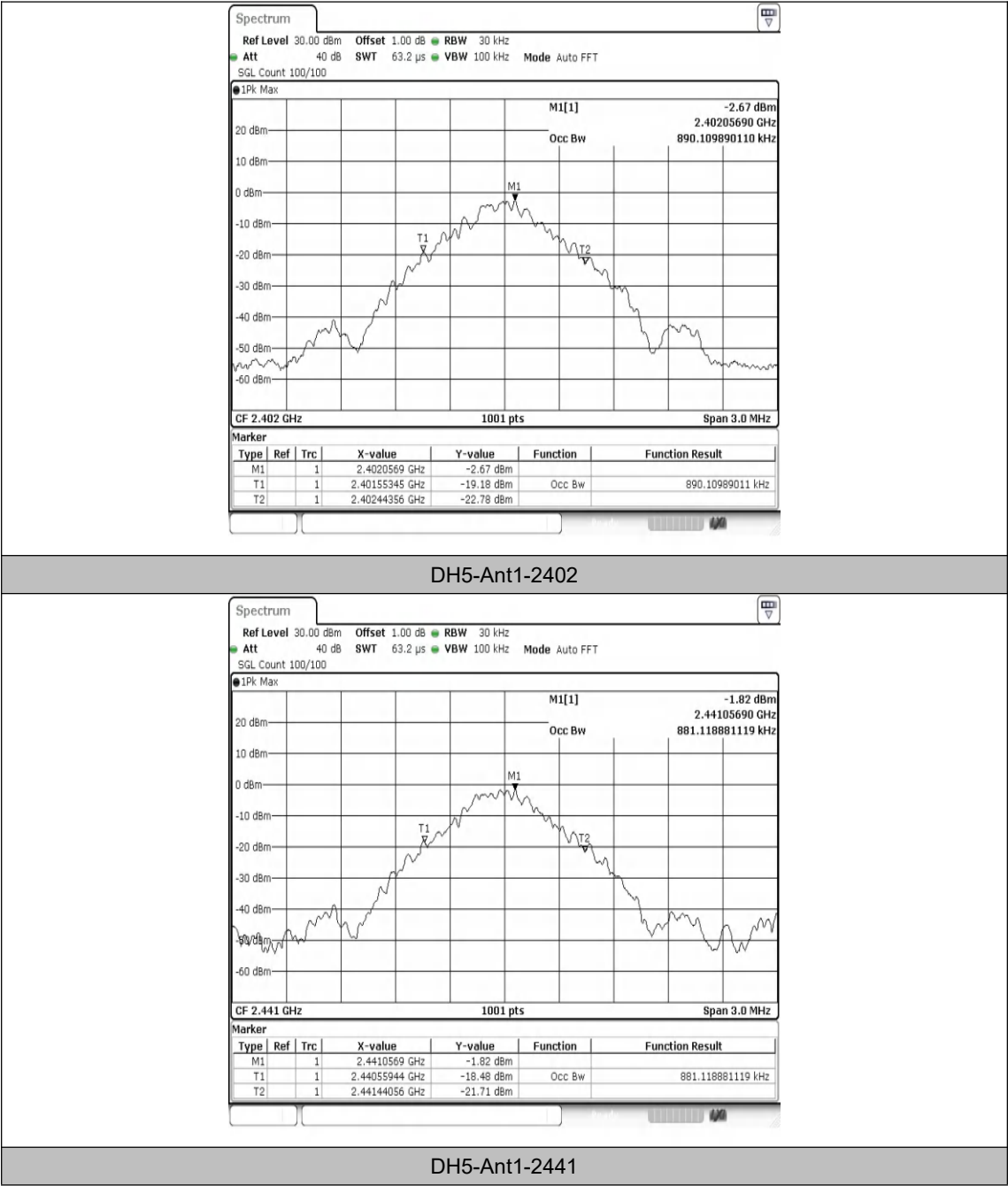
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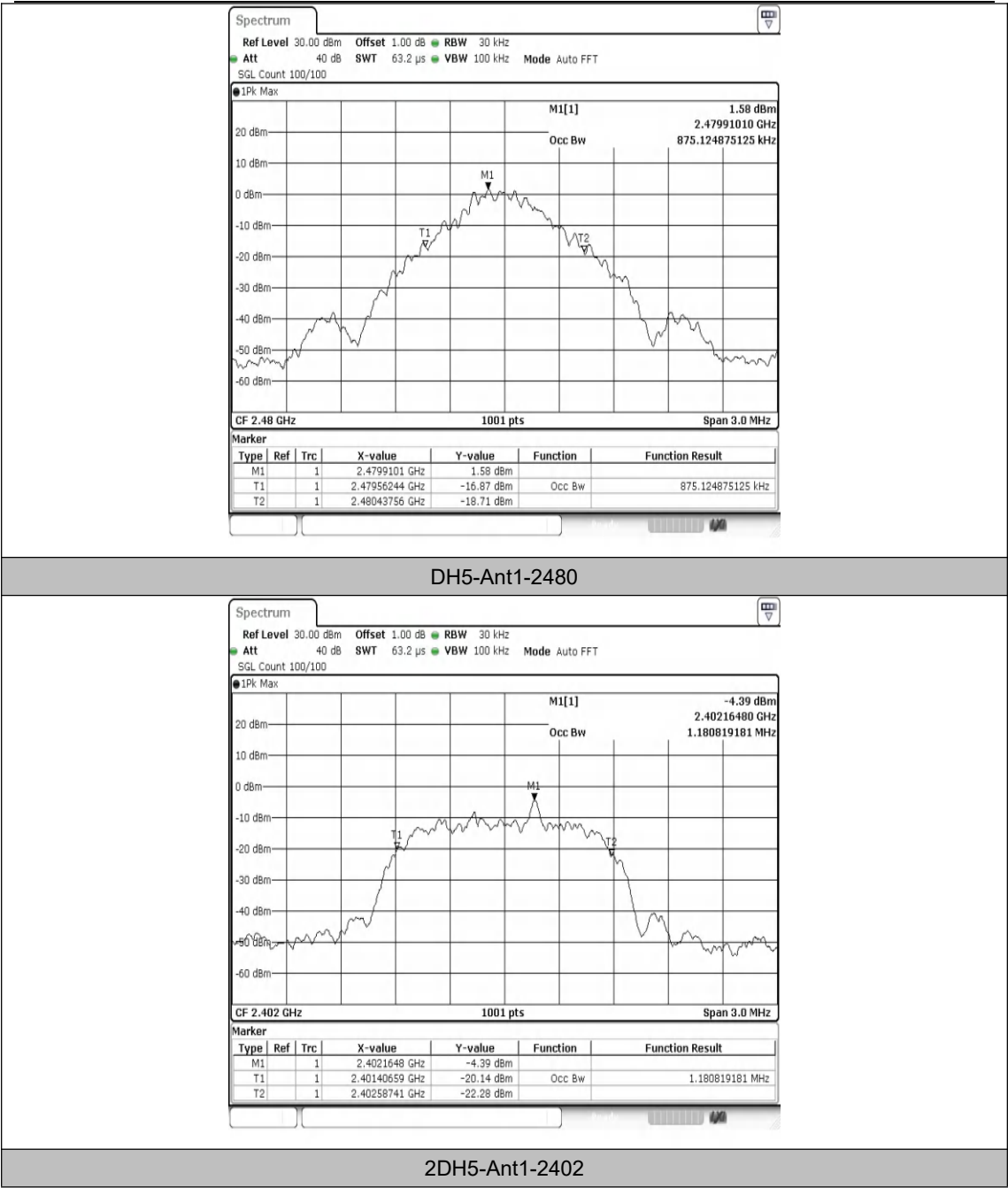
## Appendix B: 99% Occupied Bandwidth

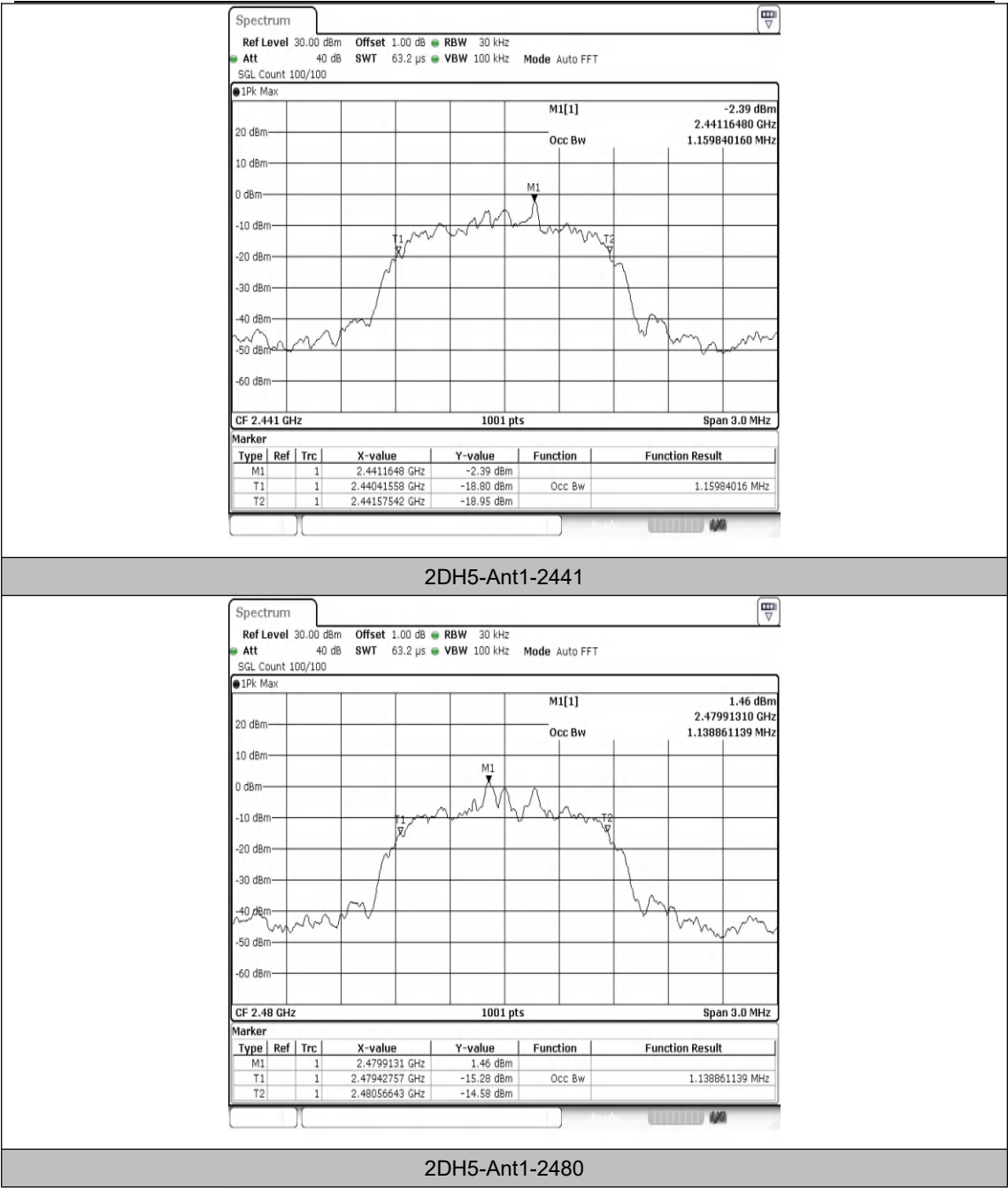
### Test Result

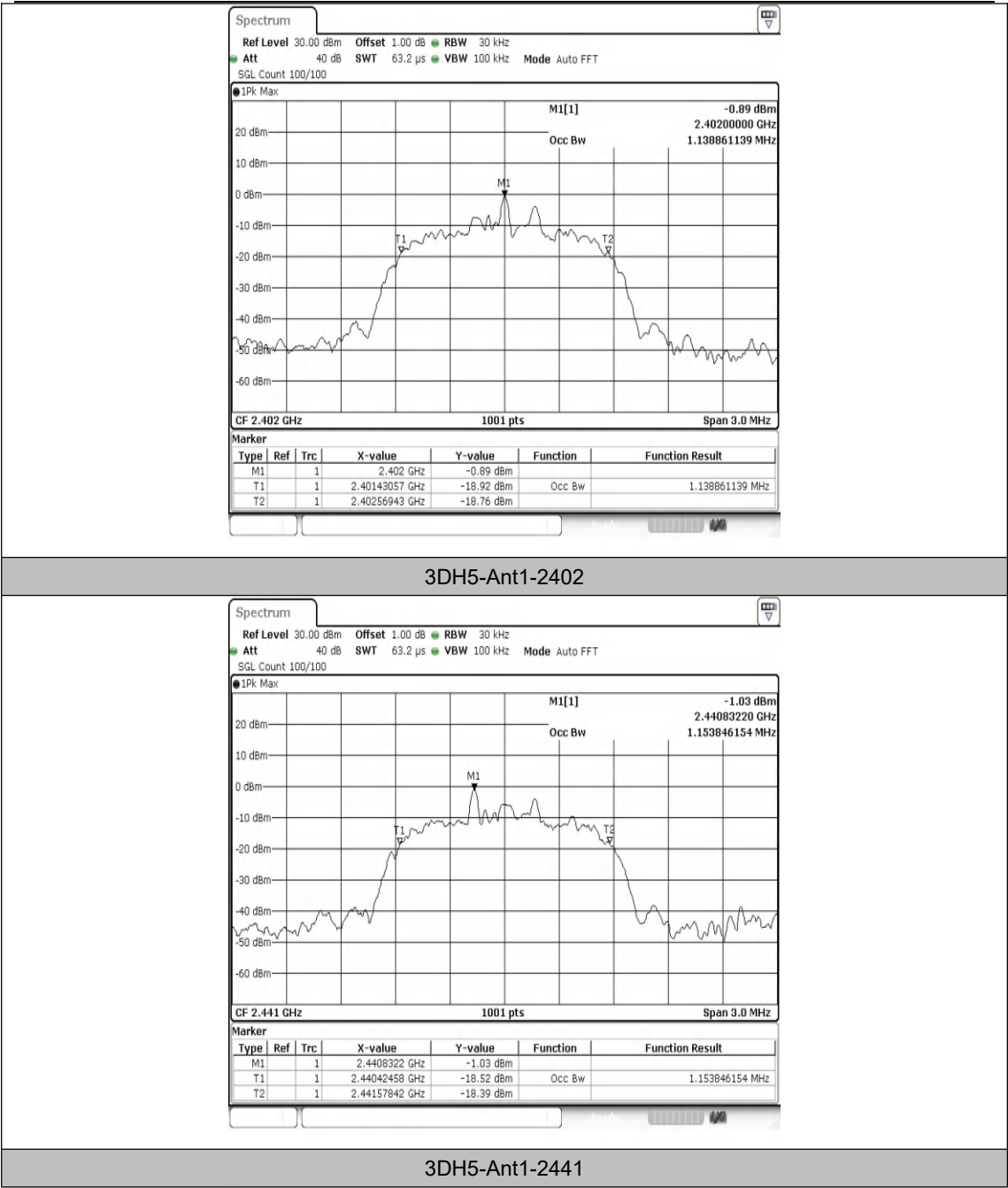
| Test Mode | Antenna | Frequency [MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|-----------------|-----------|-----------|-----------|------------|---------|
| DH5       | Ant1    | 2402            | 0.89011   | 2401.5534 | 2402.4436 | ---        | ---     |
| DH5       | Ant1    | 2441            | 0.88112   | 2440.5594 | 2441.4406 | ---        | ---     |
| DH5       | Ant1    | 2480            | 0.87512   | 2479.5624 | 2480.4376 | ---        | ---     |
| 2DH5      | Ant1    | 2402            | 1.1808    | 2401.4066 | 2402.5874 | ---        | ---     |
| 2DH5      | Ant1    | 2441            | 1.1598    | 2440.4156 | 2441.5754 | ---        | ---     |
| 2DH5      | Ant1    | 2480            | 1.1389    | 2479.4276 | 2480.5664 | ---        | ---     |
| 3DH5      | Ant1    | 2402            | 1.1389    | 2401.4306 | 2402.5694 | ---        | ---     |
| 3DH5      | Ant1    | 2441            | 1.1538    | 2440.4246 | 2441.5784 | ---        | ---     |
| 3DH5      | Ant1    | 2480            | 1.1568    | 2479.4216 | 2480.5784 | ---        | ---     |

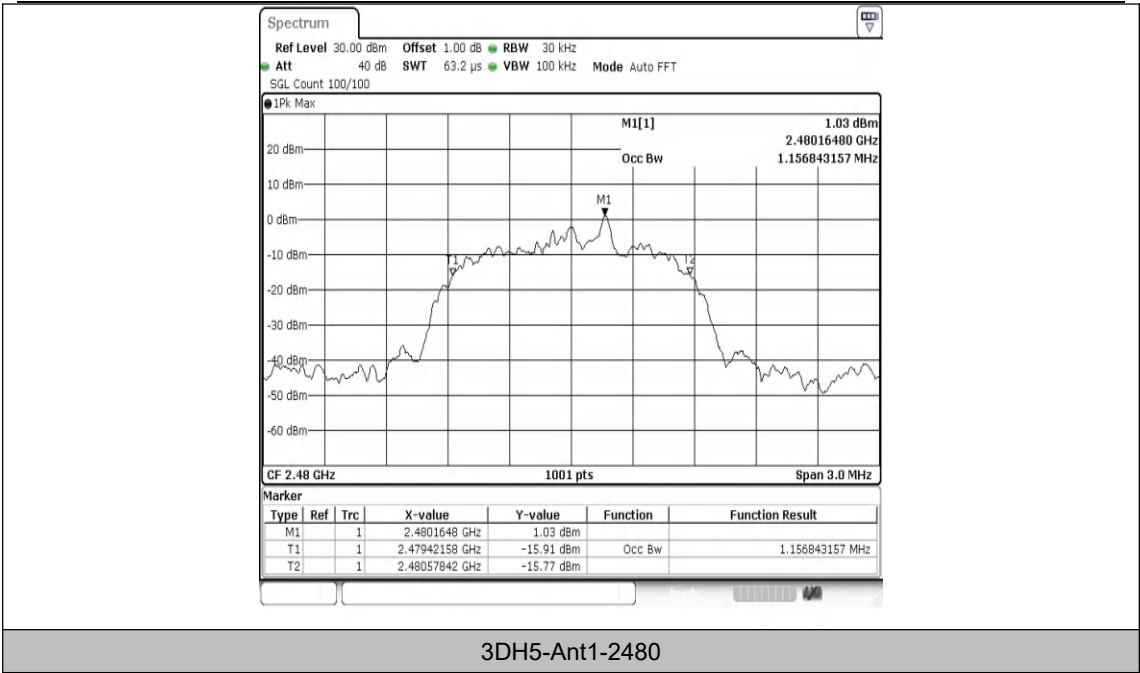
Test Graphs











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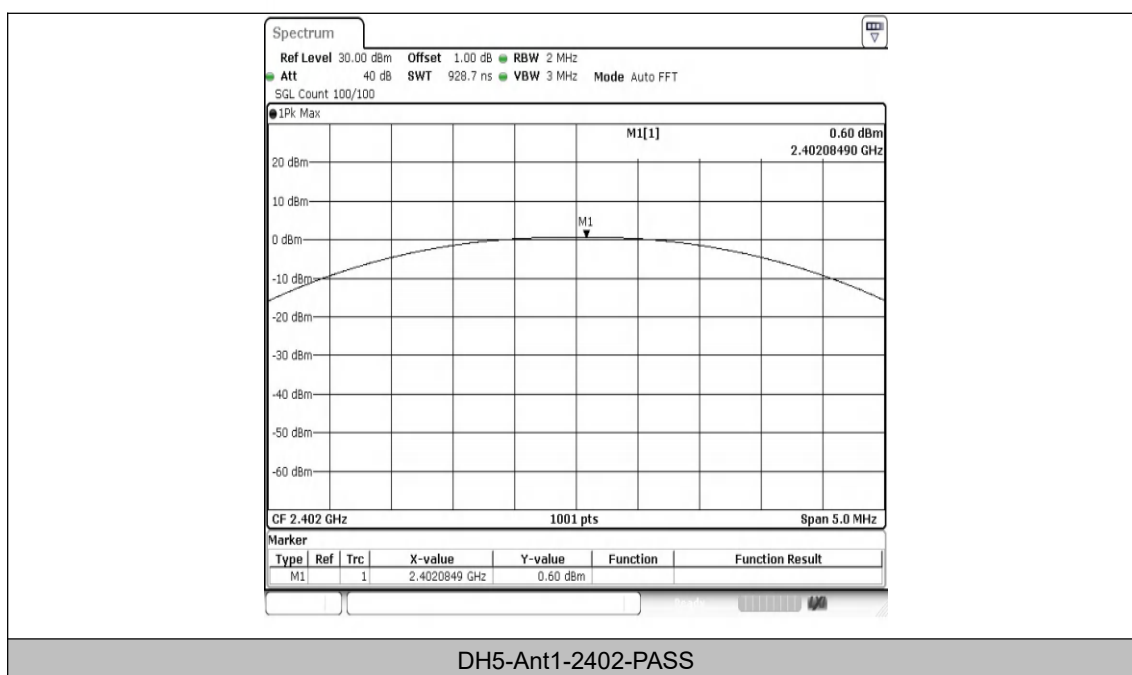
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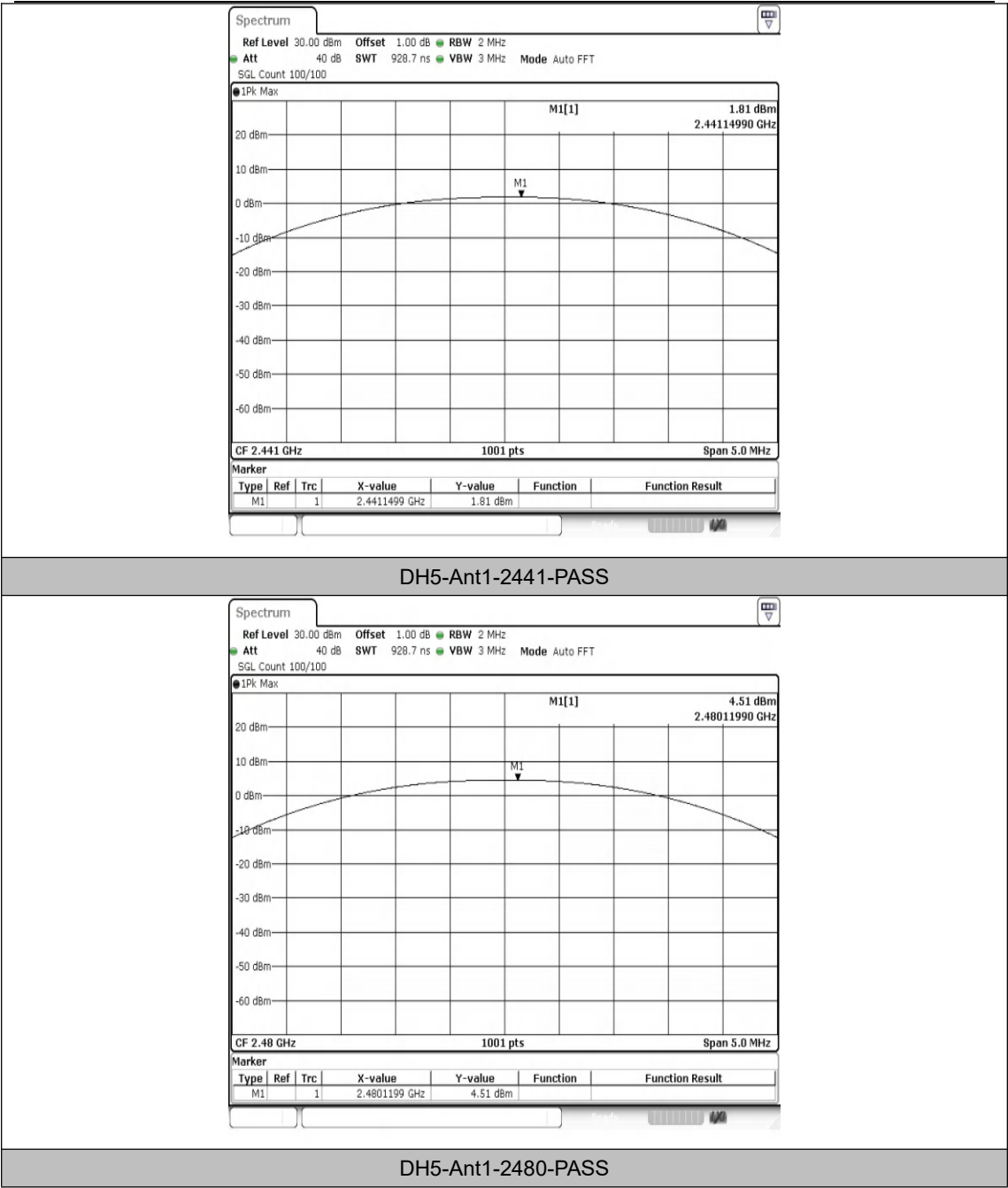
## Appendix C: Maximum Conducted Output Power

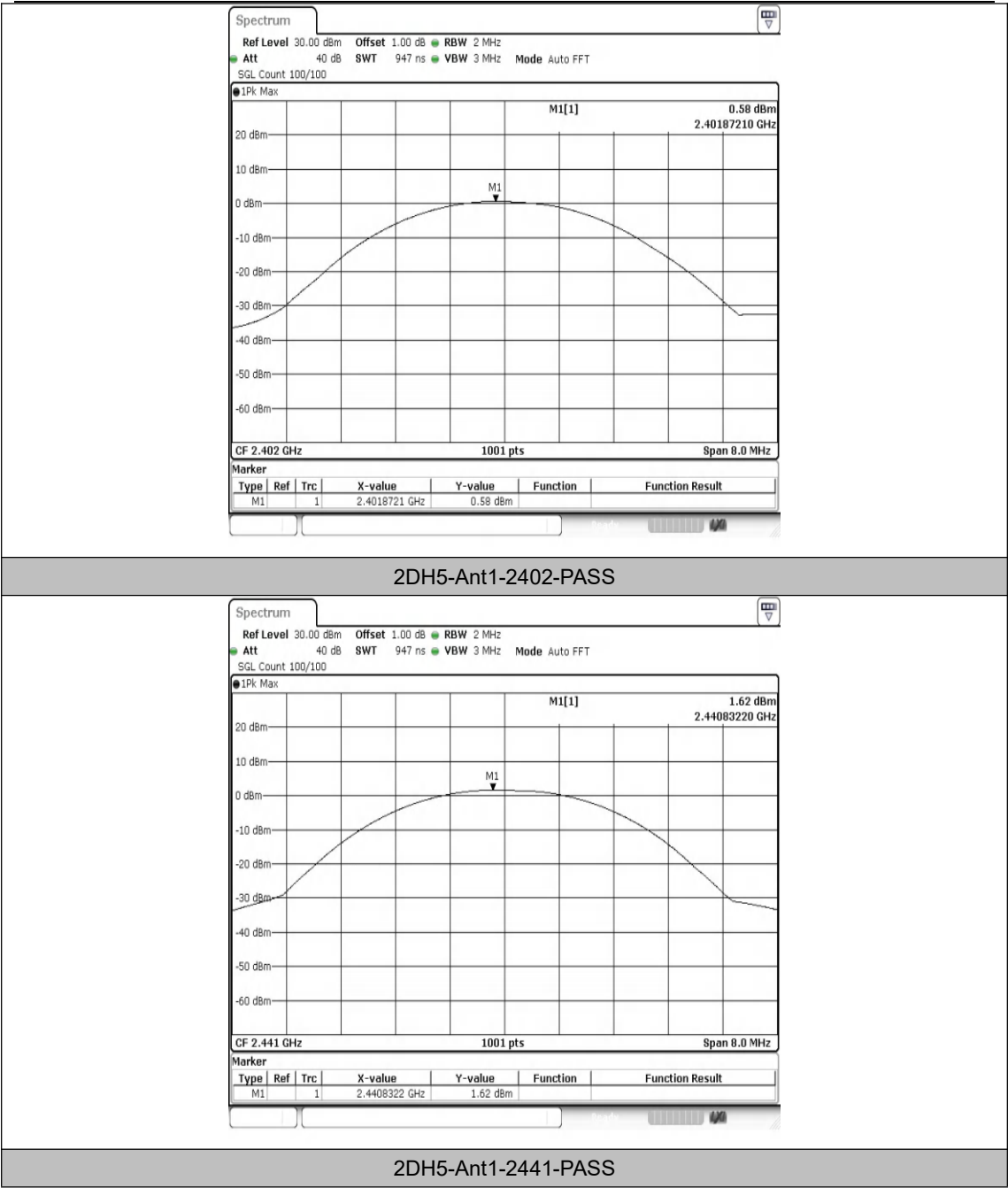
### Test Result Peak

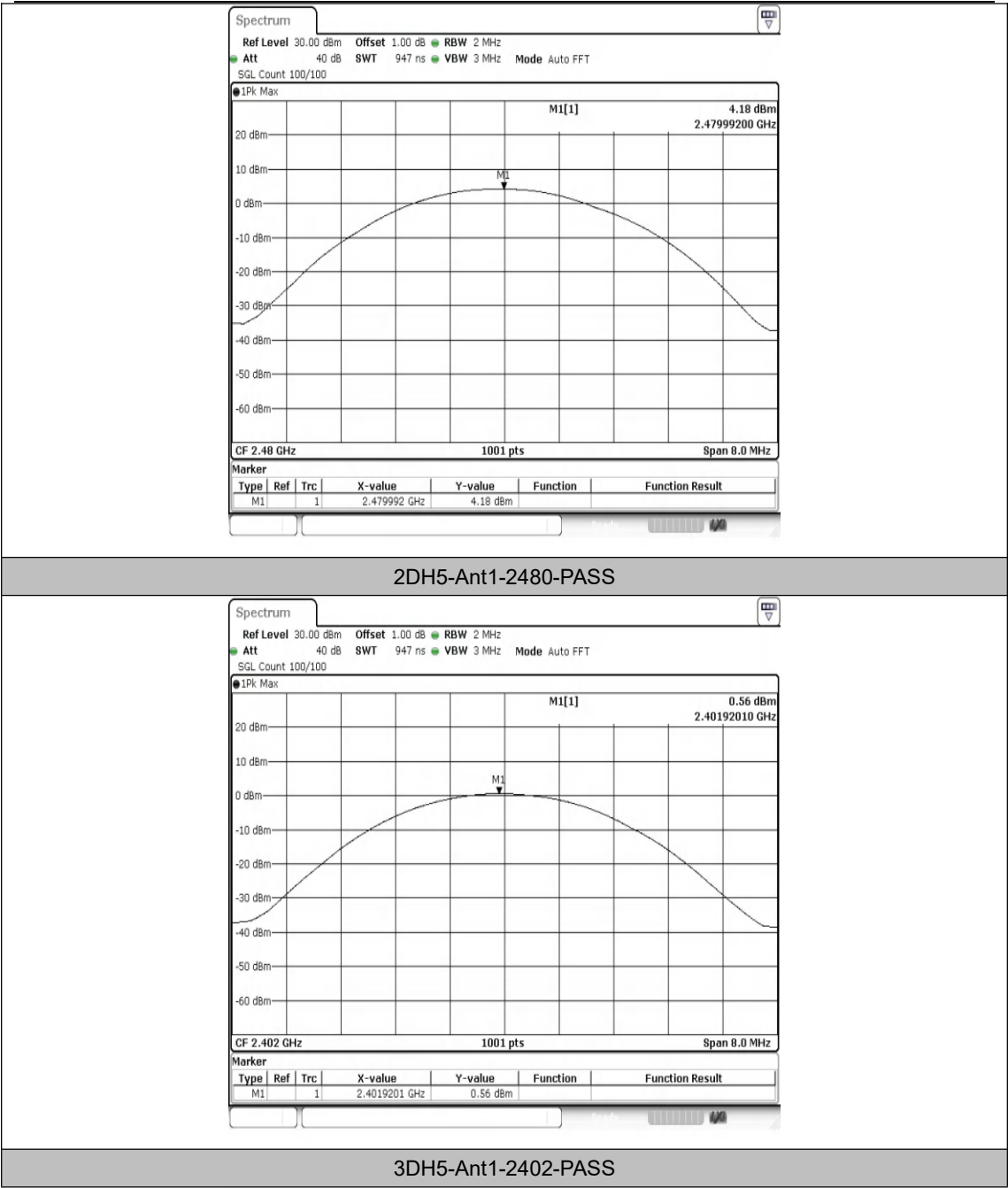
| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402           | 0.60                      | ≤30                  | PASS    |
| DH5       | Ant1    | 2441           | 1.81                      | ≤30                  | PASS    |
| DH5       | Ant1    | 2480           | <b>4.51</b>               | ≤30                  | PASS    |
| 2DH5      | Ant1    | 2402           | 0.58                      | ≤20.97               | PASS    |
| 2DH5      | Ant1    | 2441           | 1.62                      | ≤20.97               | PASS    |
| 2DH5      | Ant1    | 2480           | 4.18                      | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2402           | 0.56                      | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2441           | 1.57                      | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2480           | 4.41                      | ≤20.97               | PASS    |

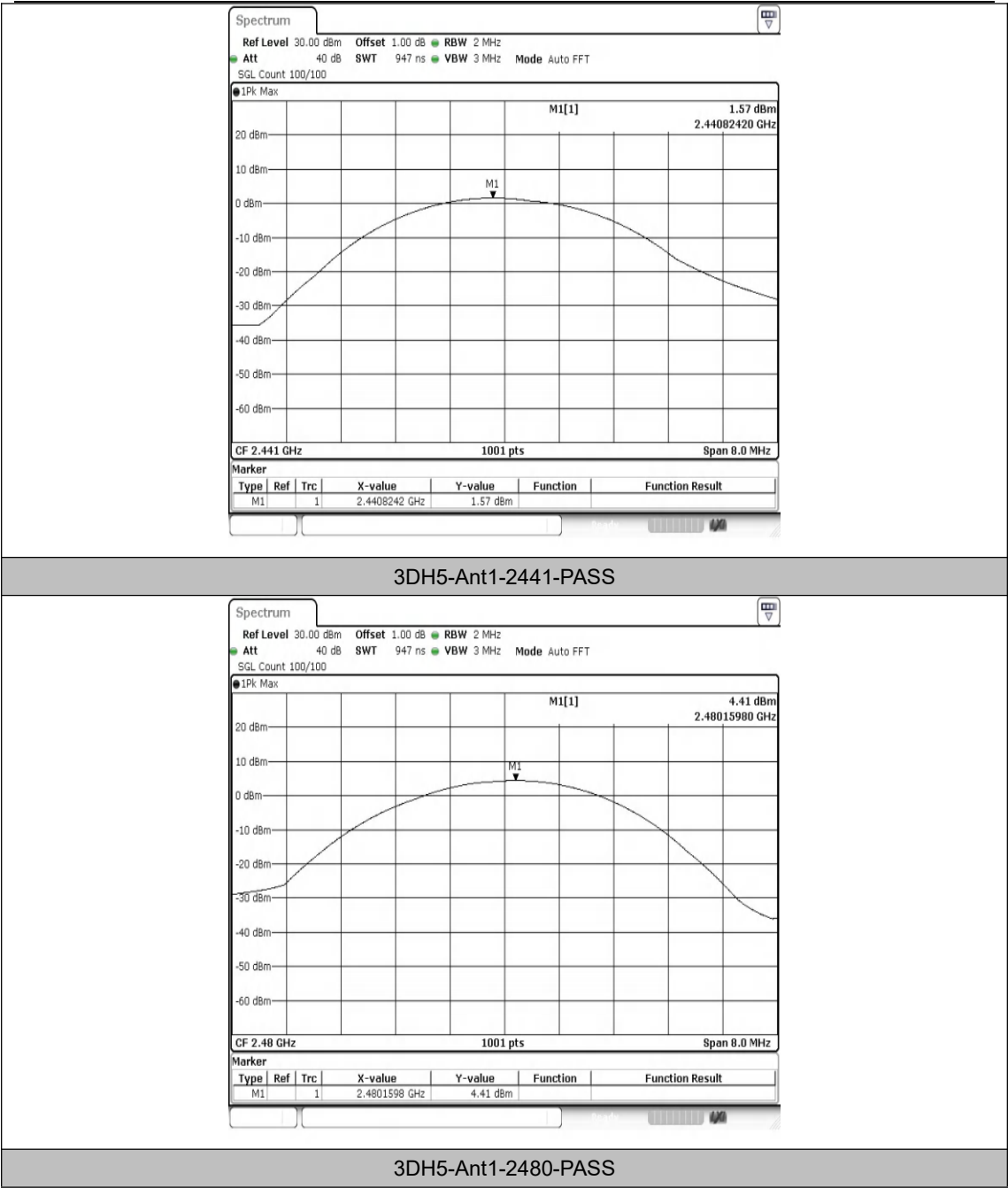
### Test Graphs











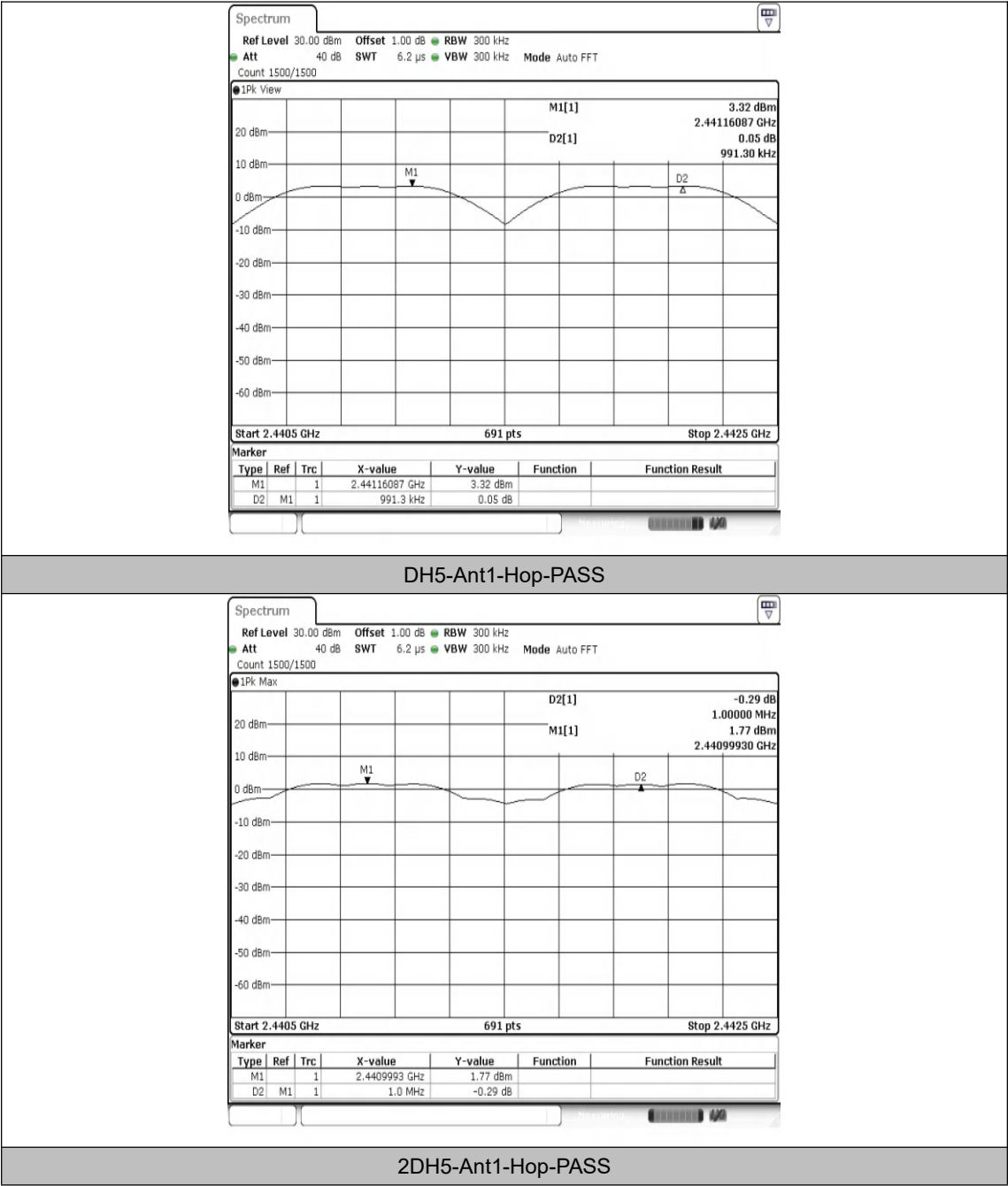
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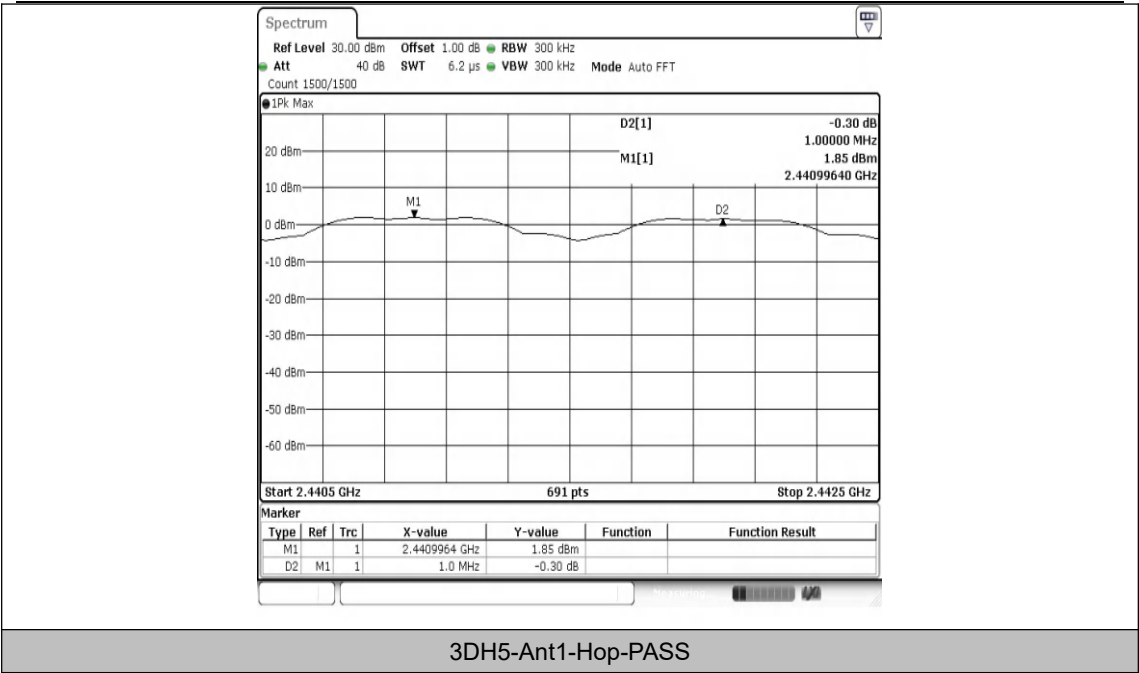
## Appendix D: Carrier frequency separation

### Test Result

| Test Mode | Antenna | Frequency<br>[MHz] | Result<br>[MHz] | Limit[MHz]   | Verdict |
|-----------|---------|--------------------|-----------------|--------------|---------|
| DH5       | Ant1    | Hop                | 0.991           | $\geq 0.680$ | PASS    |
| 2DH5      | Ant1    | Hop                | 1.000           | $\geq 0.913$ | PASS    |
| 3DH5      | Ant1    | Hop                | 1.000           | $\geq 0.900$ | PASS    |

Test Graphs





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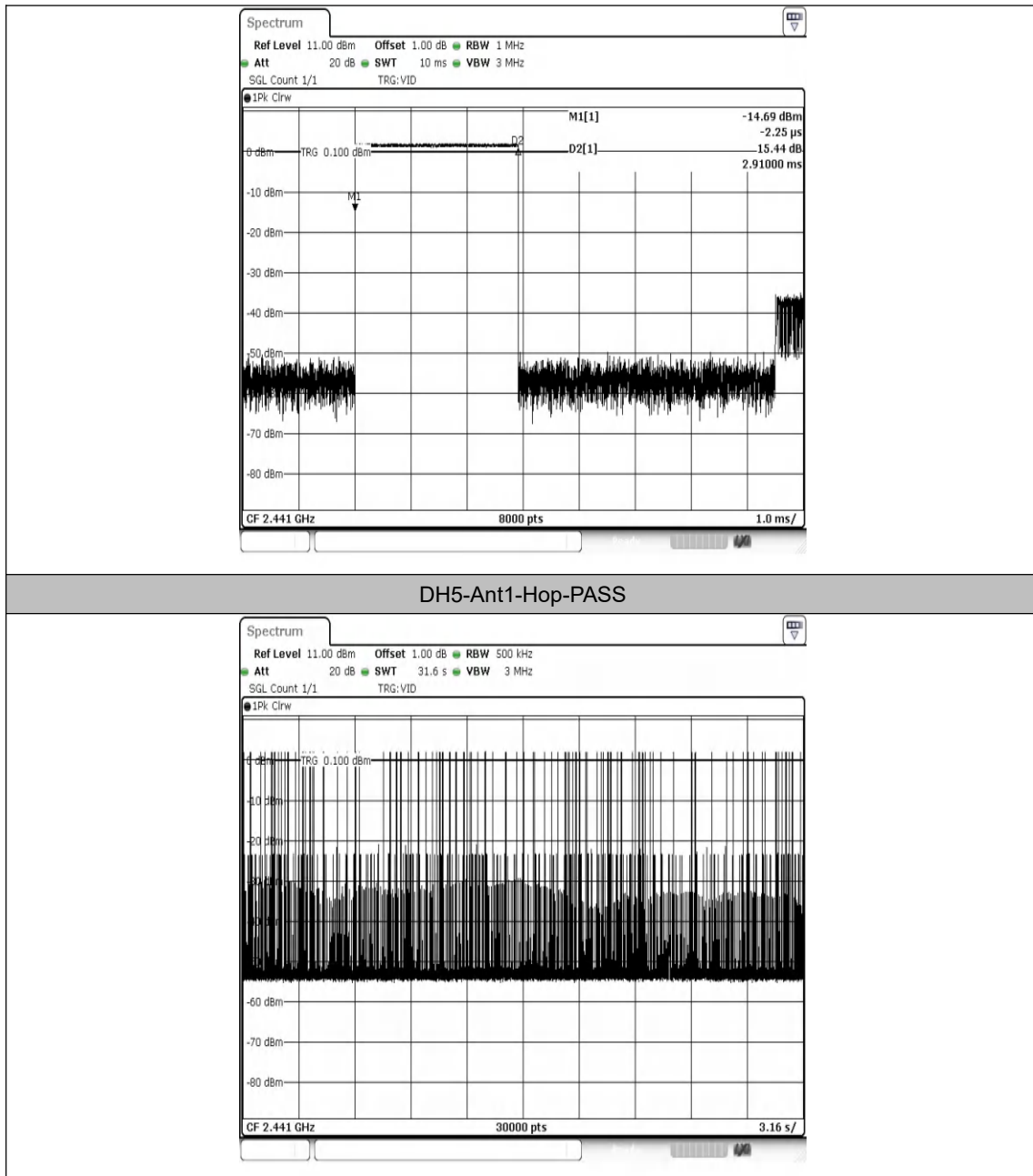
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## Appendix E: Dwell Time

### Test Result

| Test Mode | Antenna | Frequency [MHz] | Burst Width [ms] | Total Hops [Num] | Result [s] | Limit [s] | Verdict |
|-----------|---------|-----------------|------------------|------------------|------------|-----------|---------|
| DH5       | Ant1    | Hop             | 2.910            | 115              | 0.335      | ≤0.4      | PASS    |
| 2DH5      | Ant1    | Hop             | 2.917            | 93               | 0.271      | ≤0.4      | PASS    |
| 3DH5      | Ant1    | Hop             | 2.919            | 106              | 0.309      | ≤0.4      | PASS    |

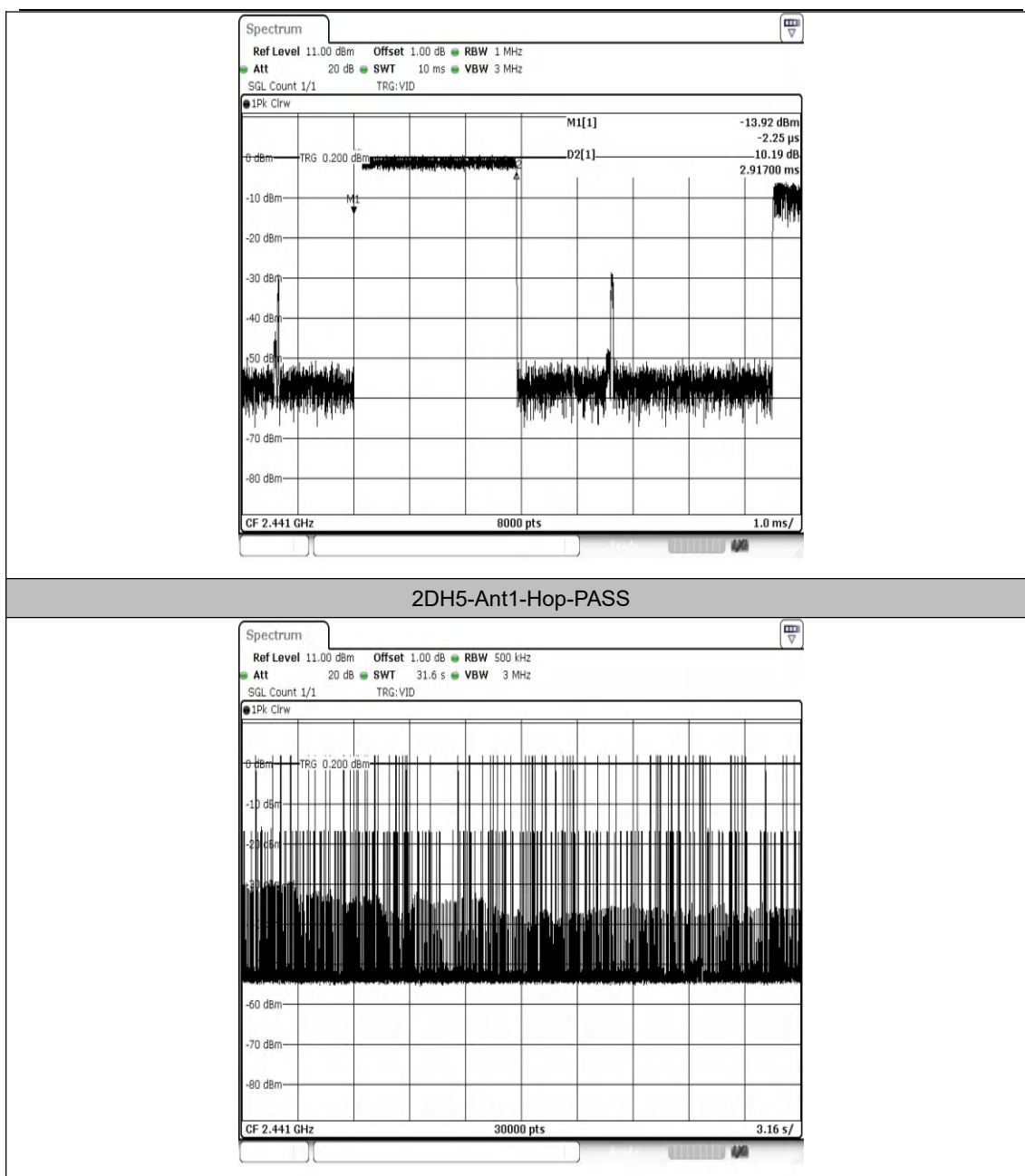
## Test Graphs



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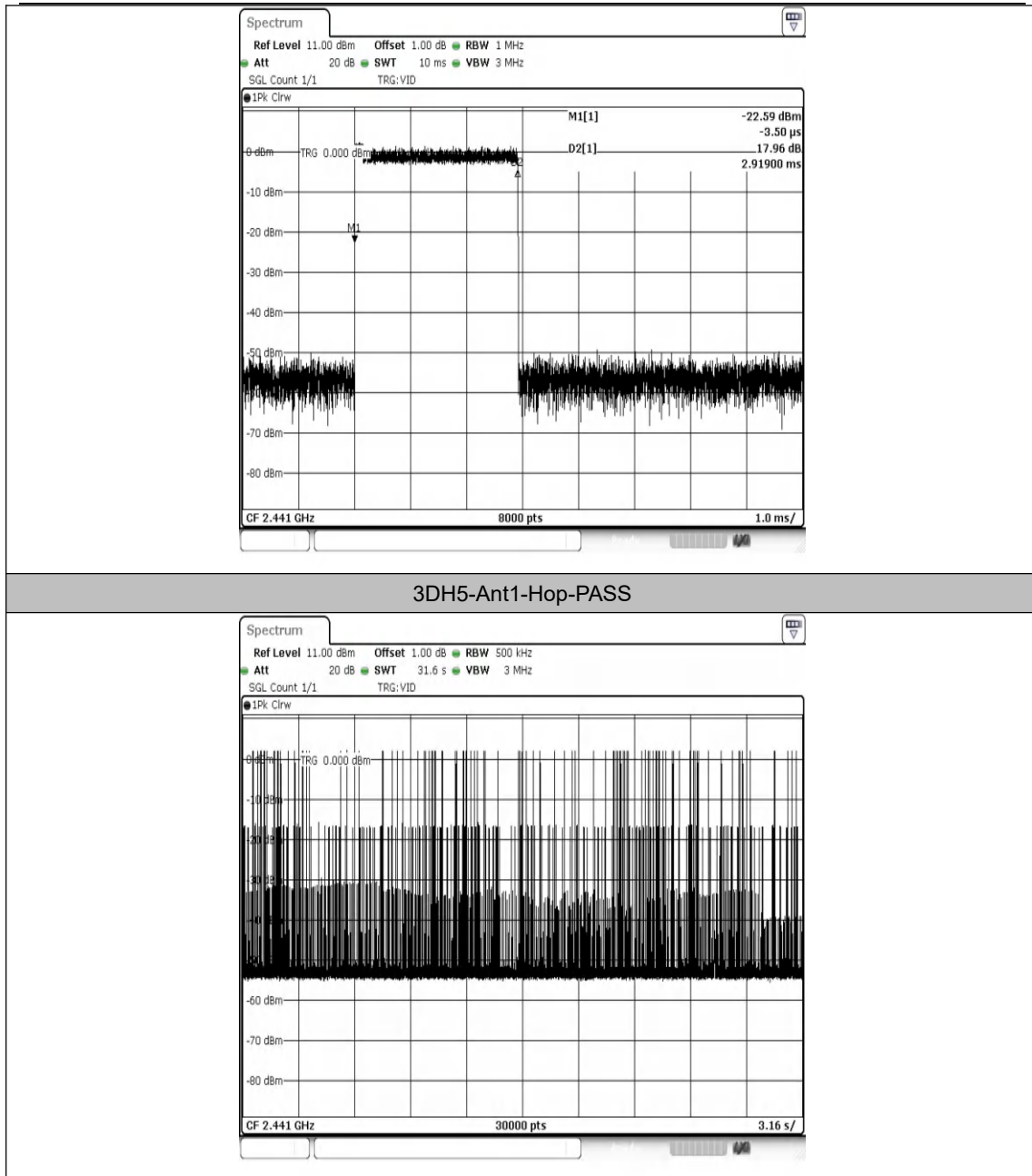
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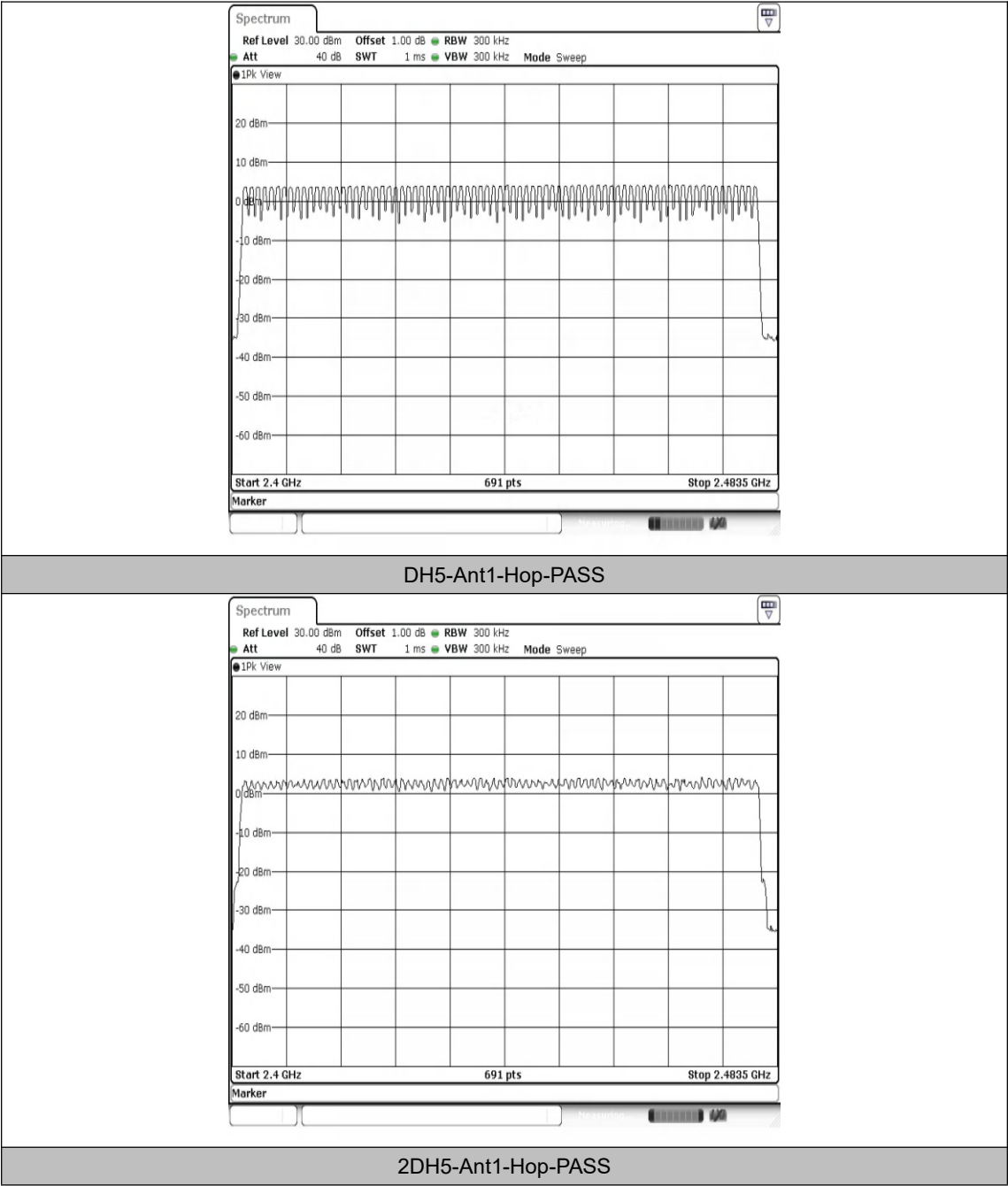
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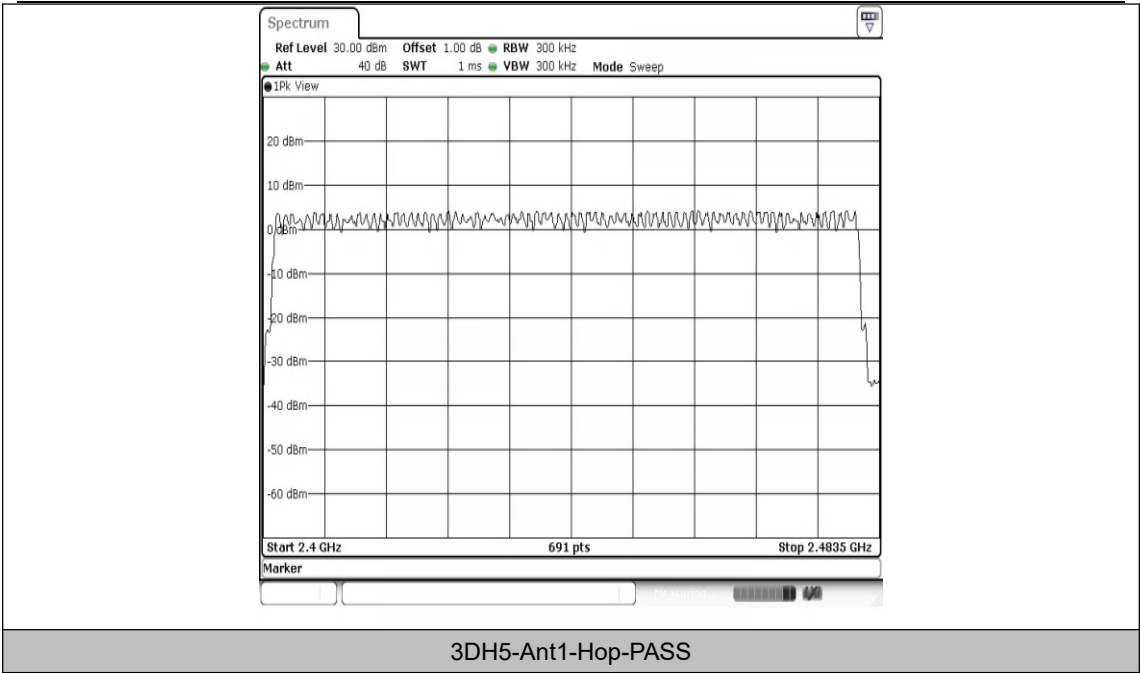
## Appendix F: Number of Hopping Channel

### Test Result

| Test Mode | Antenna | Frequency<br>[MHz] | Result<br>[Num] | Limit<br>[Num] | Verdict |
|-----------|---------|--------------------|-----------------|----------------|---------|
| DH5       | Ant1    | Hop                | 79              | ≥15            | PASS    |
| 2DH5      | Ant1    | Hop                | 79              | ≥15            | PASS    |
| 3DH5      | Ant1    | Hop                | 79              | ≥15            | PASS    |

Test Graphs





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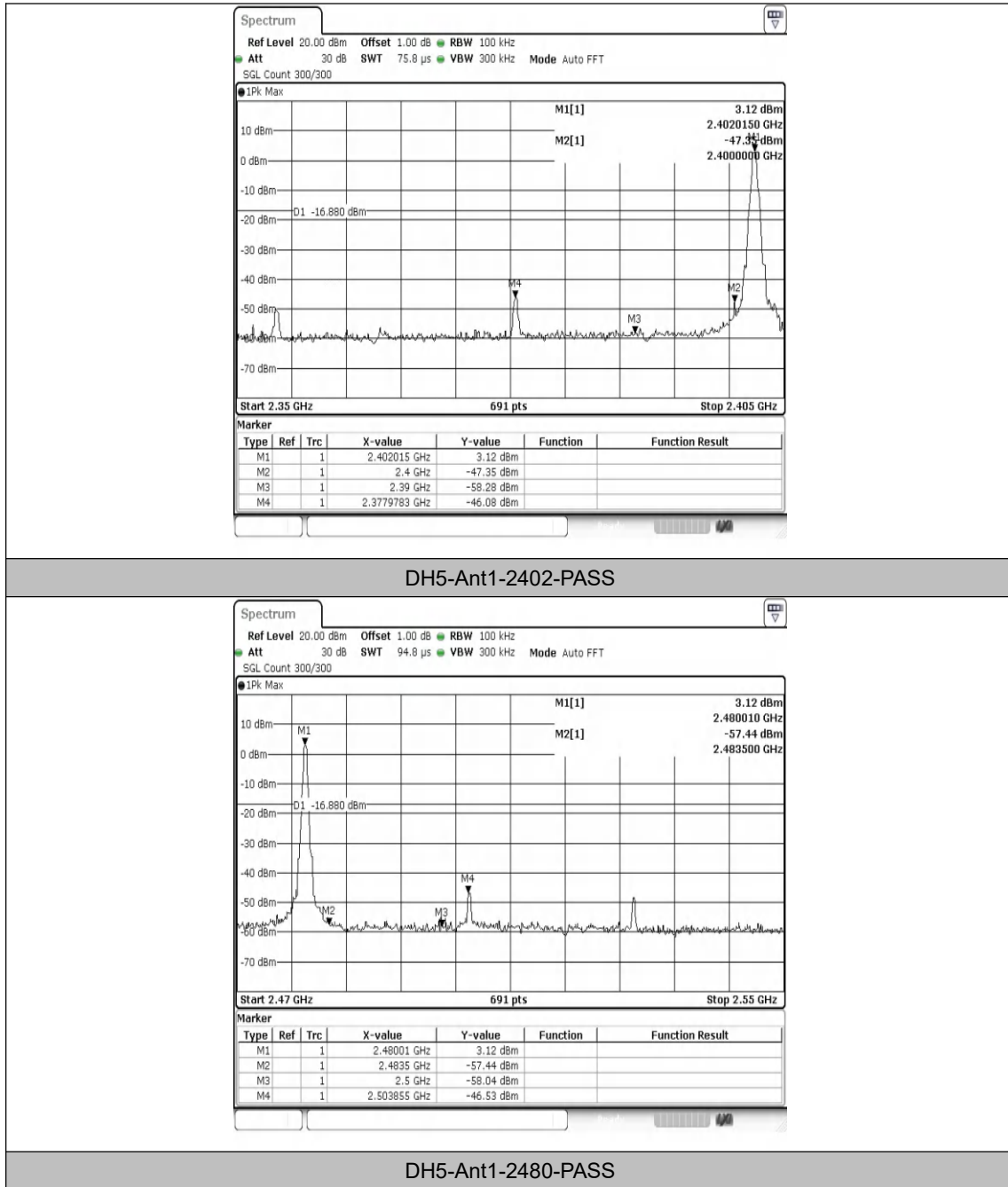
## Appendix G: Conducted Band edge

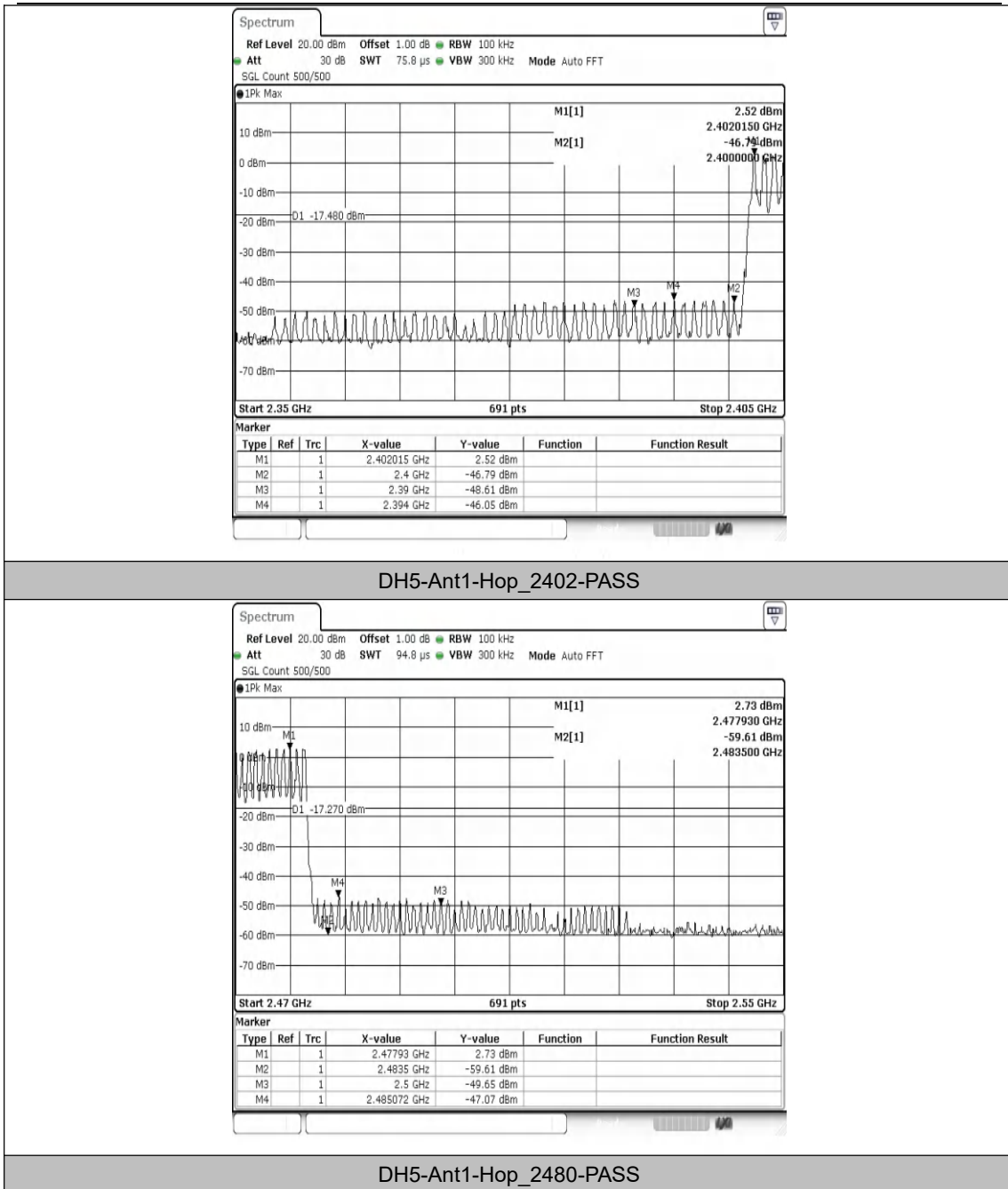
### Test Result

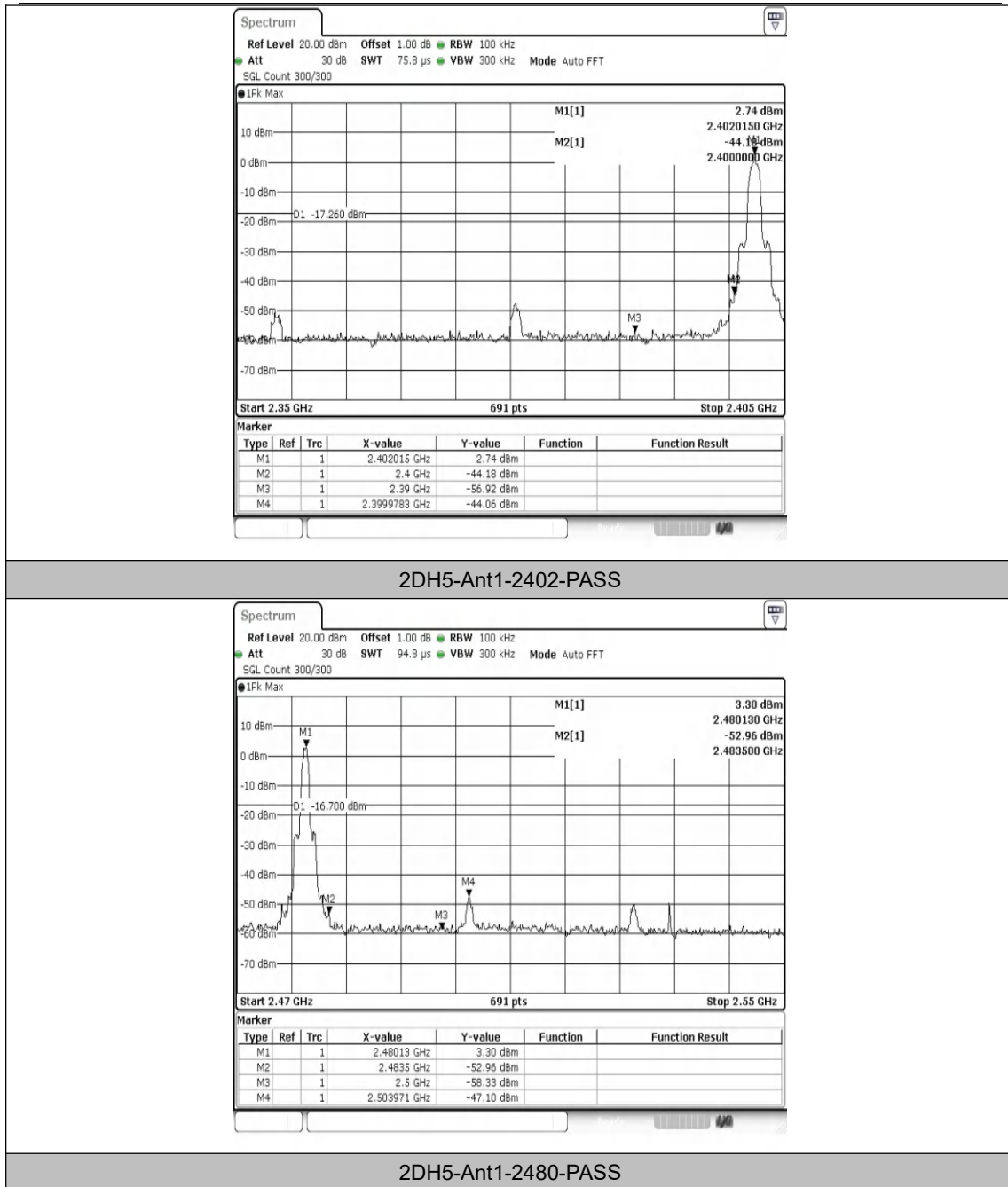
| Test Mode | Antenna | Ch. Name | Frequency [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------|-----------------|------------------|--------------|-------------|---------|
| DH5       | Ant1    | Low      | 2402            | 3.12             | -46.08       | ≤-16.88     | PASS    |
| DH5       | Ant1    | High     | 2480            | 3.12             | -46.53       | ≤-16.88     | PASS    |
| DH5       | Ant1    | Low      | Hop_2402        | 2.52             | -46.05       | ≤-17.48     | PASS    |
| DH5       | Ant1    | High     | Hop_2480        | 2.73             | -47.07       | ≤-17.27     | PASS    |
| 2DH5      | Ant1    | Low      | 2402            | 2.74             | -44.06       | ≤-17.26     | PASS    |
| 2DH5      | Ant1    | High     | 2480            | 3.30             | -47.1        | ≤-16.7      | PASS    |
| 2DH5      | Ant1    | Low      | Hop_2402        | -0.49            | -46.87       | ≤-20.49     | PASS    |
| 2DH5      | Ant1    | High     | Hop_2480        | 1.59             | -48          | ≤-18.41     | PASS    |
| 3DH5      | Ant1    | Low      | 2402            | 2.79             | -44.62       | ≤-17.21     | PASS    |
| 3DH5      | Ant1    | High     | 2480            | 2.28             | -46.48       | ≤-17.72     | PASS    |
| 3DH5      | Ant1    | Low      | Hop_2402        | 3.13             | -45.33       | ≤-16.87     | PASS    |
| 3DH5      | Ant1    | High     | Hop_2480        | 1.92             | -47.05       | ≤-18.08     | PASS    |

Remark:1. 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



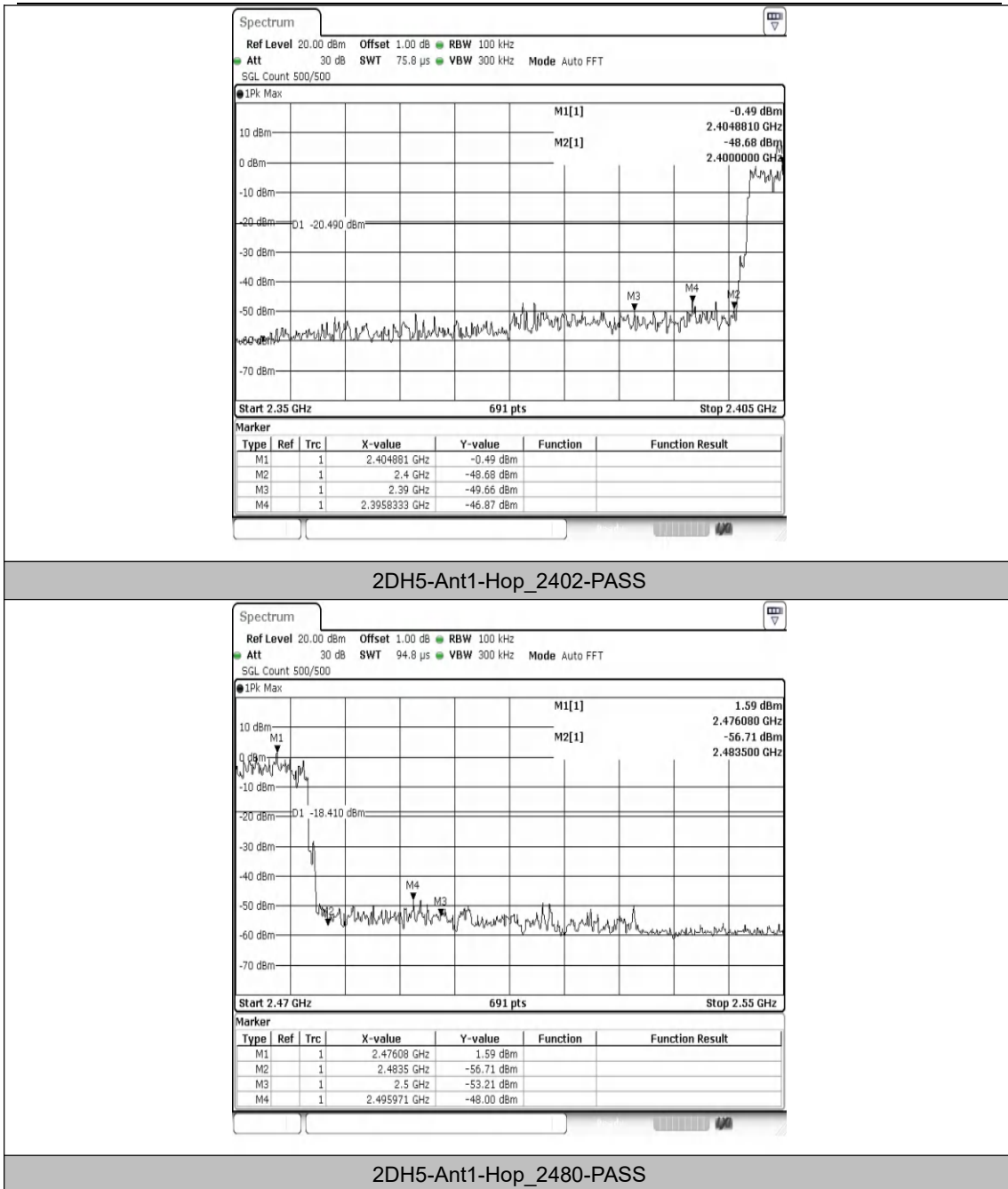




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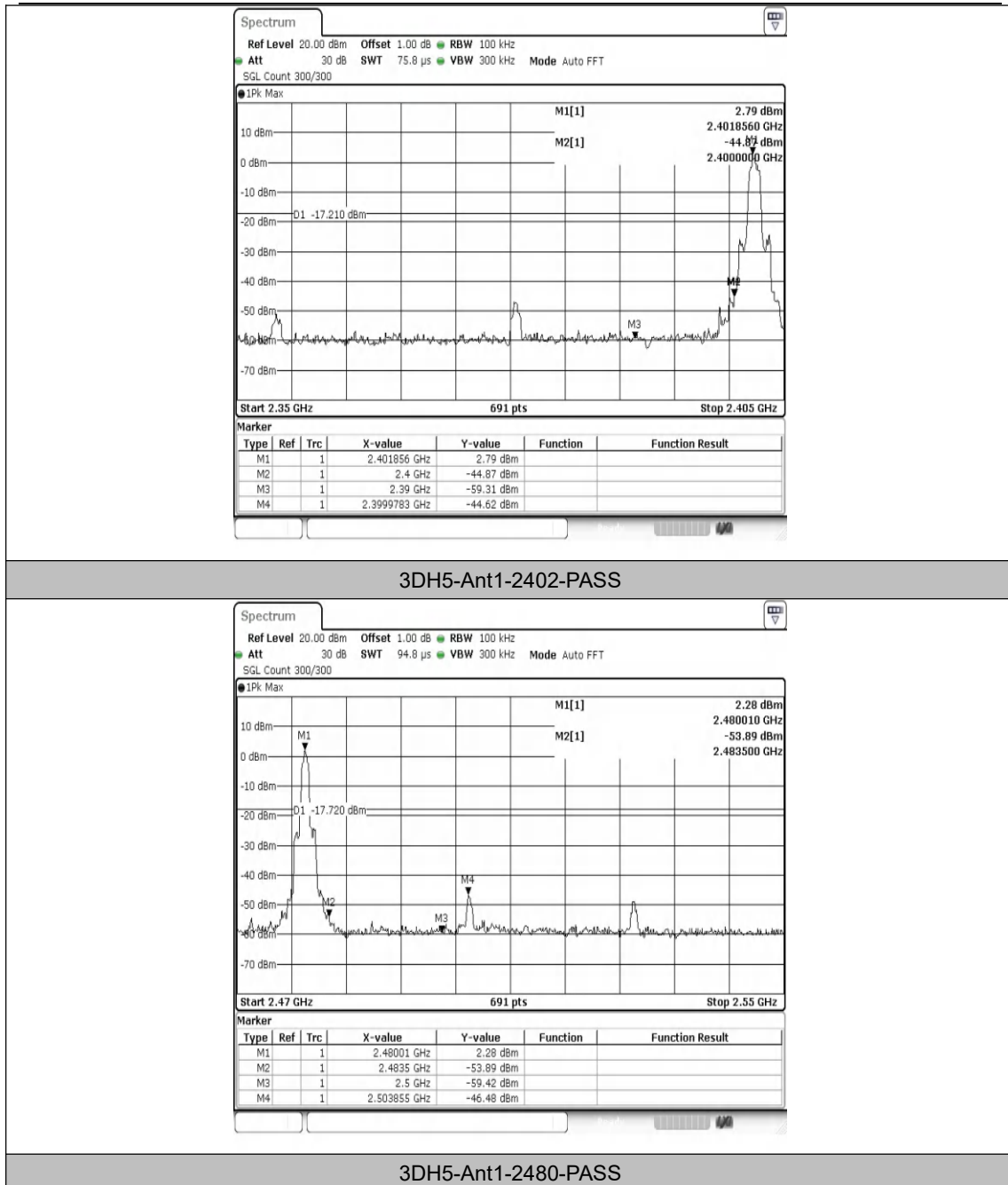
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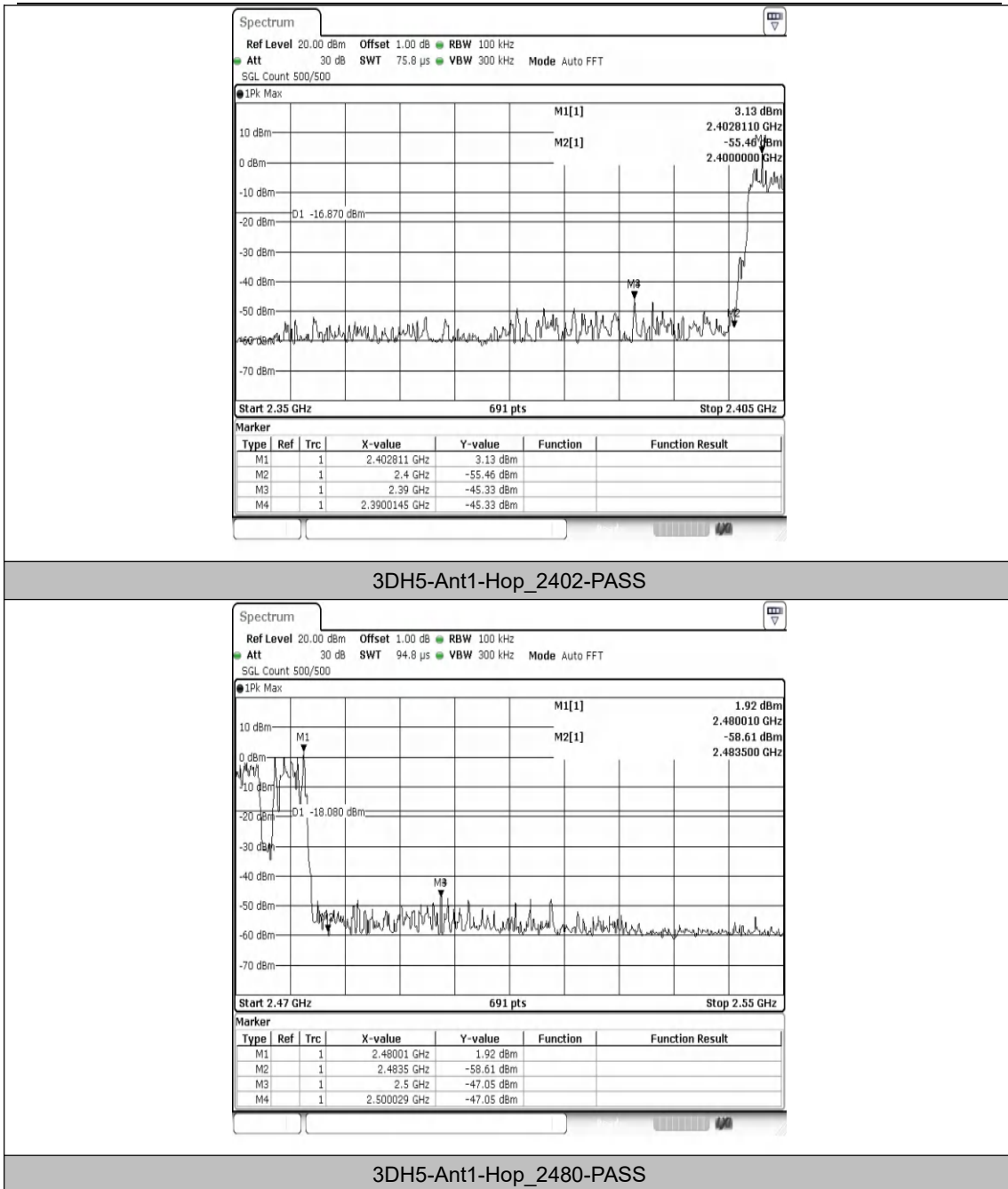


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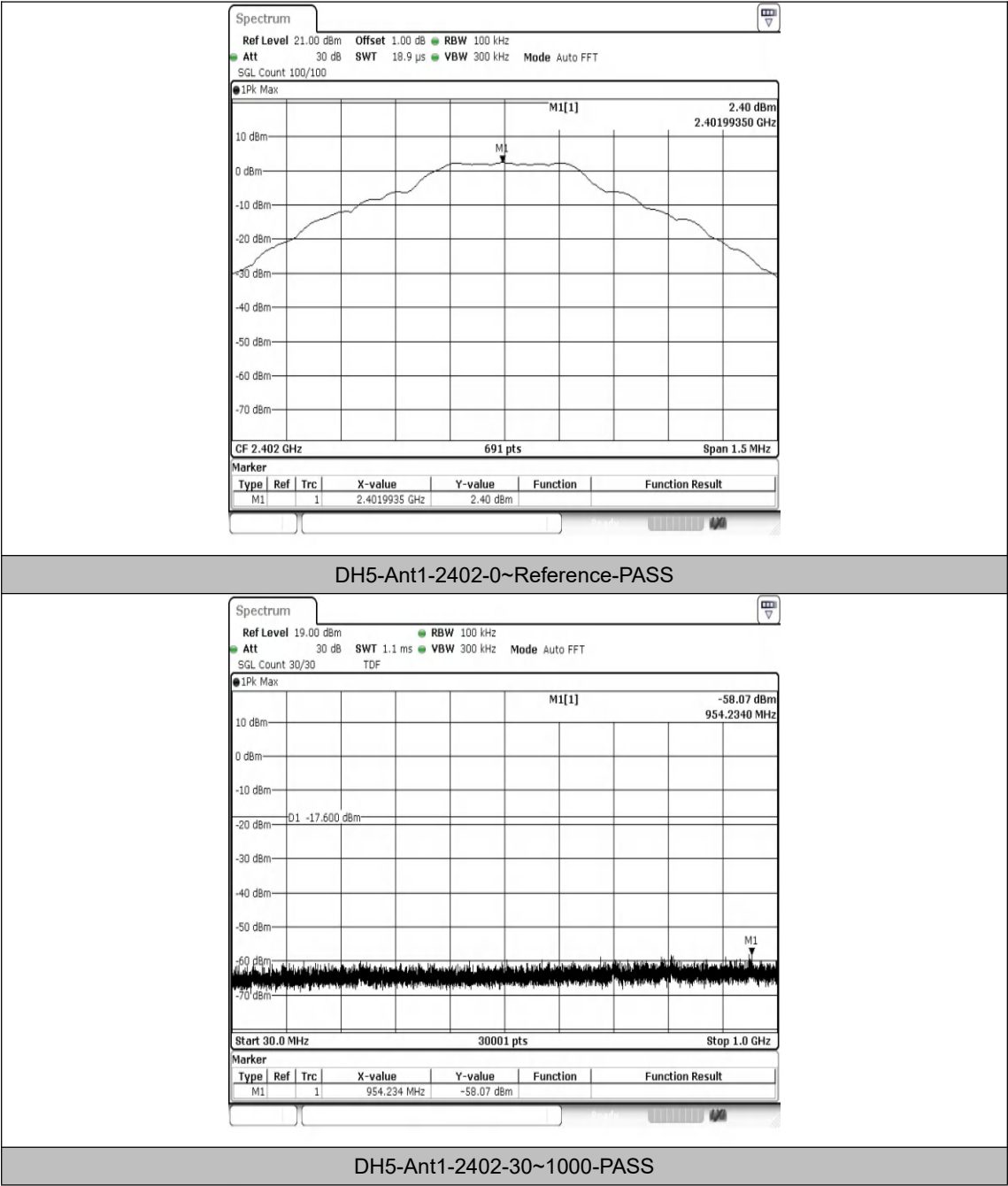
## Appendix H: Conducted Spurious Emission

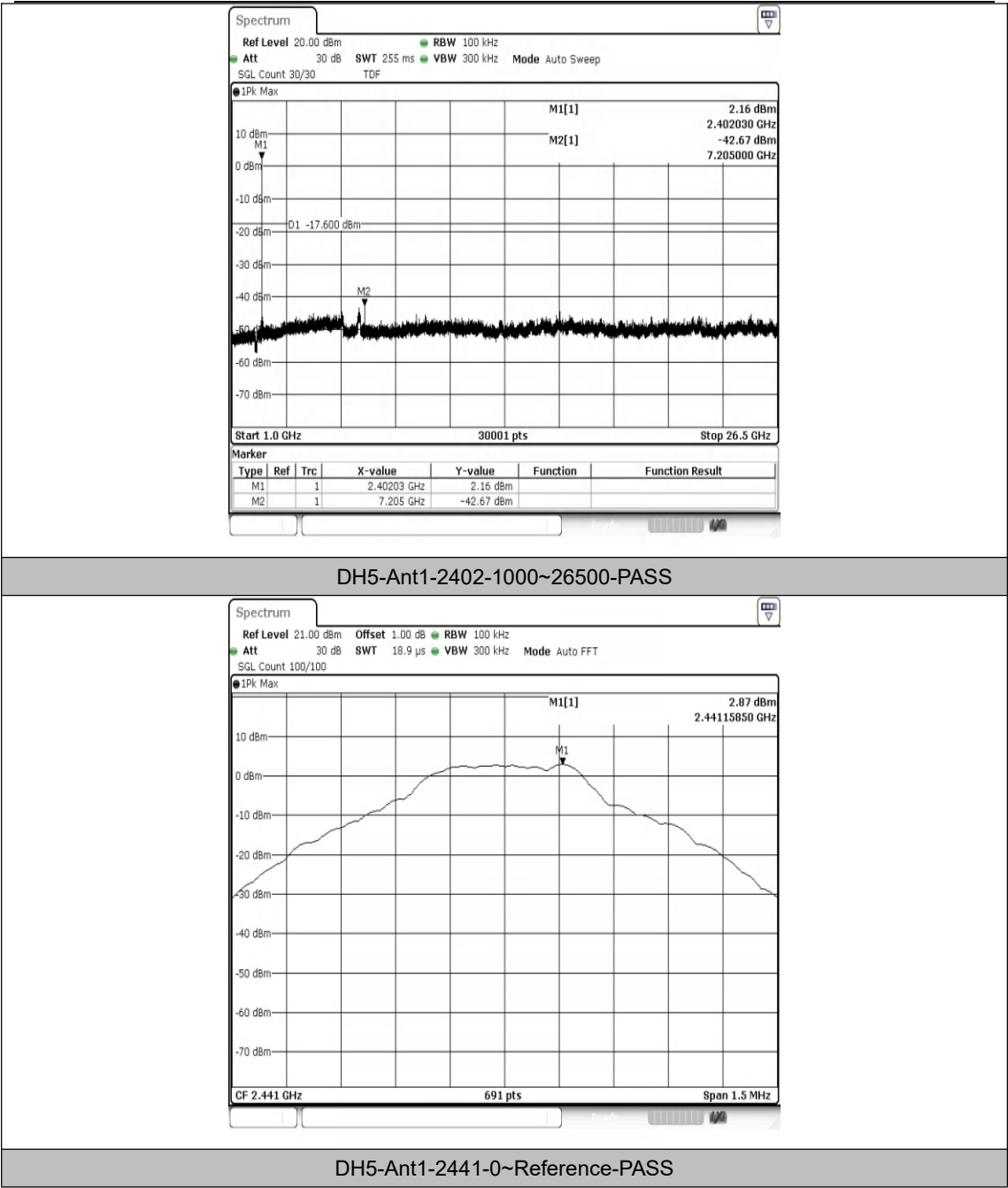
### Test Result

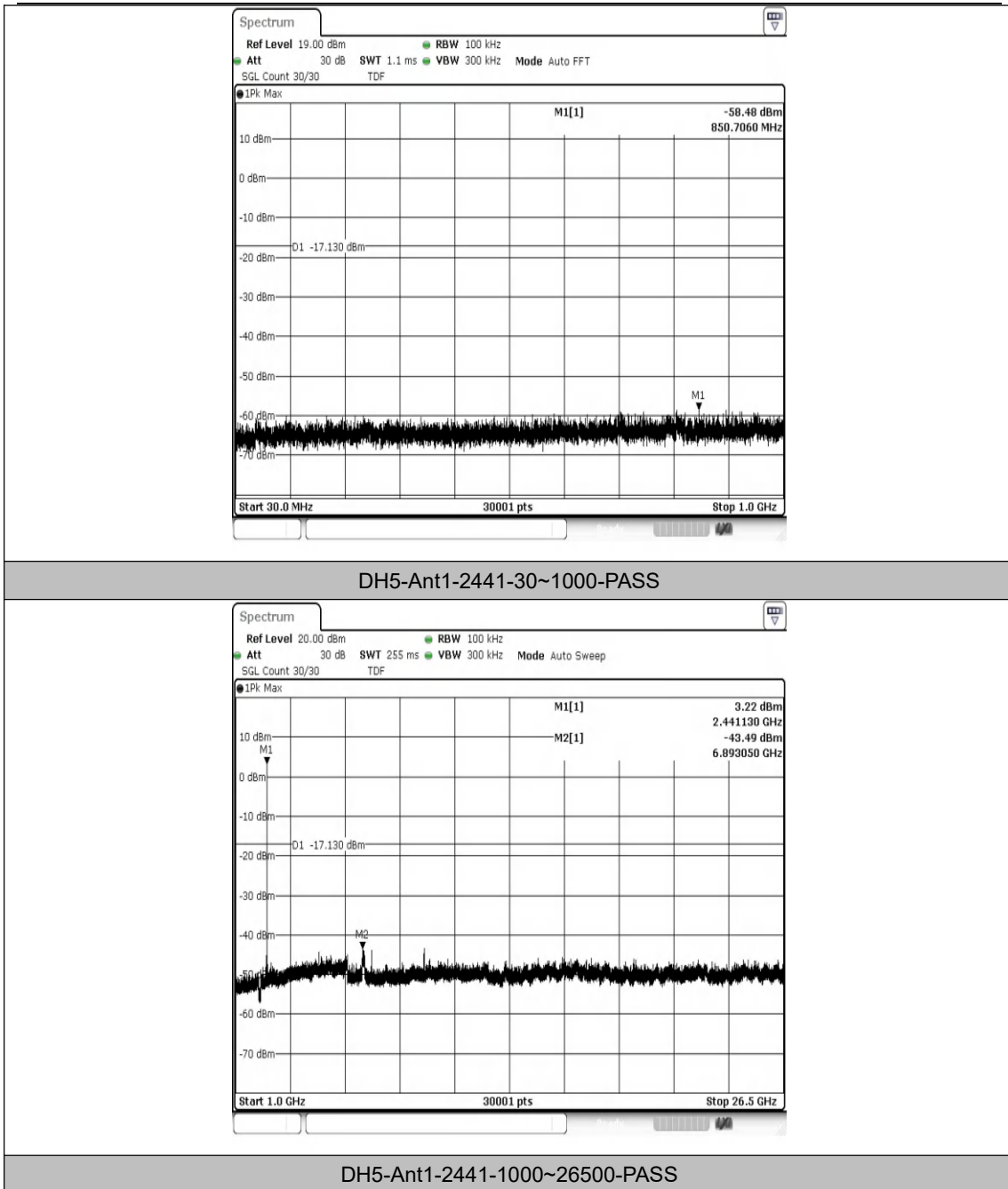
| Test Mode | Antenna | Frequency[MHz] | Freq. Range [MHz] | Ref. Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|-------------------|------------------|--------------|-------------|---------|
| DH5       | Ant1    | 2402           | 0~Reference       | 2.40             | 2.40         | ---         | PASS    |
| DH5       | Ant1    | 2402           | 30~1000           | 2.40             | -58.07       | ≤-17.6      | PASS    |
| DH5       | Ant1    | 2402           | 1000~26500        | 2.40             | -42.67       | ≤-17.6      | PASS    |
| DH5       | Ant1    | 2441           | 0~Reference       | 2.87             | 2.87         | ---         | PASS    |
| DH5       | Ant1    | 2441           | 30~1000           | 2.87             | -58.48       | ≤-17.13     | PASS    |
| DH5       | Ant1    | 2441           | 1000~26500        | 2.87             | -43.49       | ≤-17.13     | PASS    |
| DH5       | Ant1    | 2480           | 0~Reference       | 2.77             | 2.77         | ---         | PASS    |
| DH5       | Ant1    | 2480           | 30~1000           | 2.77             | -57.82       | ≤-17.23     | PASS    |
| DH5       | Ant1    | 2480           | 1000~26500        | 2.77             | -43.73       | ≤-17.23     | PASS    |
| 2DH5      | Ant1    | 2402           | 0~Reference       | 2.64             | 2.64         | ---         | PASS    |
| 2DH5      | Ant1    | 2402           | 30~1000           | 2.64             | -57.23       | ≤-17.36     | PASS    |
| 2DH5      | Ant1    | 2402           | 1000~26500        | 2.64             | -43.83       | ≤-17.36     | PASS    |
| 2DH5      | Ant1    | 2441           | 0~Reference       | 3.21             | 3.21         | ---         | PASS    |
| 2DH5      | Ant1    | 2441           | 30~1000           | 3.21             | -58.69       | ≤-16.79     | PASS    |
| 2DH5      | Ant1    | 2441           | 1000~26500        | 3.21             | -43.48       | ≤-16.79     | PASS    |
| 2DH5      | Ant1    | 2480           | 0~Reference       | 1.57             | 1.57         | ---         | PASS    |
| 2DH5      | Ant1    | 2480           | 30~1000           | 1.57             | -57.42       | ≤-18.43     | PASS    |
| 2DH5      | Ant1    | 2480           | 1000~26500        | 1.57             | -43.06       | ≤-18.43     | PASS    |
| 3DH5      | Ant1    | 2402           | 0~Reference       | 1.13             | 1.13         | ---         | PASS    |
| 3DH5      | Ant1    | 2402           | 30~1000           | 1.13             | -57.97       | ≤-18.87     | PASS    |
| 3DH5      | Ant1    | 2402           | 1000~26500        | 1.13             | -43.49       | ≤-18.87     | PASS    |
| 3DH5      | Ant1    | 2441           | 0~Reference       | 2.16             | 2.16         | ---         | PASS    |
| 3DH5      | Ant1    | 2441           | 30~1000           | 2.16             | -57.71       | ≤-17.84     | PASS    |
| 3DH5      | Ant1    | 2441           | 1000~26500        | 2.16             | -44.68       | ≤-17.84     | PASS    |
| 3DH5      | Ant1    | 2480           | 0~Reference       | 3.40             | 3.40         | ---         | PASS    |
| 3DH5      | Ant1    | 2480           | 30~1000           | 3.40             | -58.24       | ≤-16.6      | PASS    |
| 3DH5      | Ant1    | 2480           | 1000~26500        | 3.40             | -42.05       | ≤-16.6      | PASS    |

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

Test Graphs



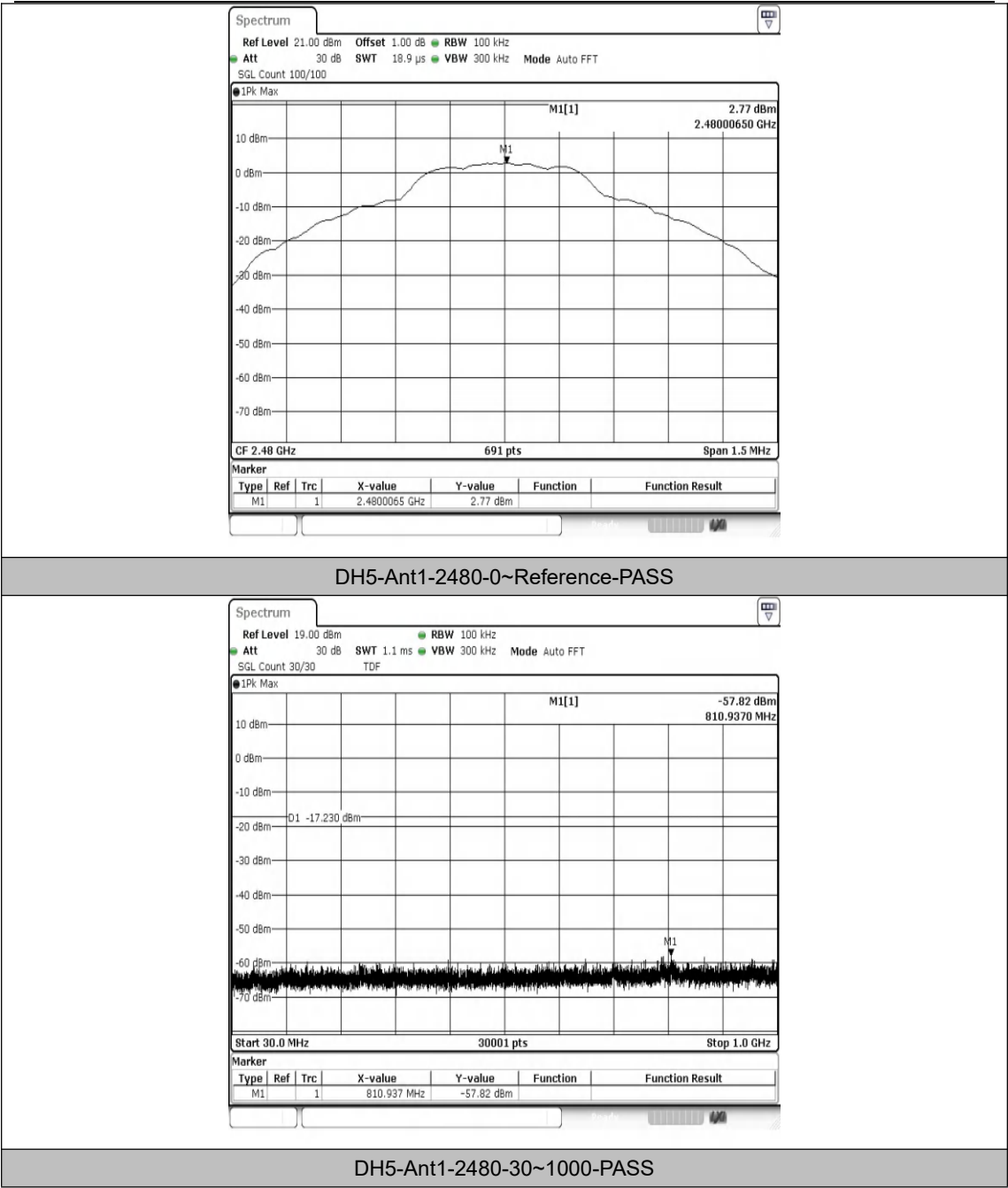




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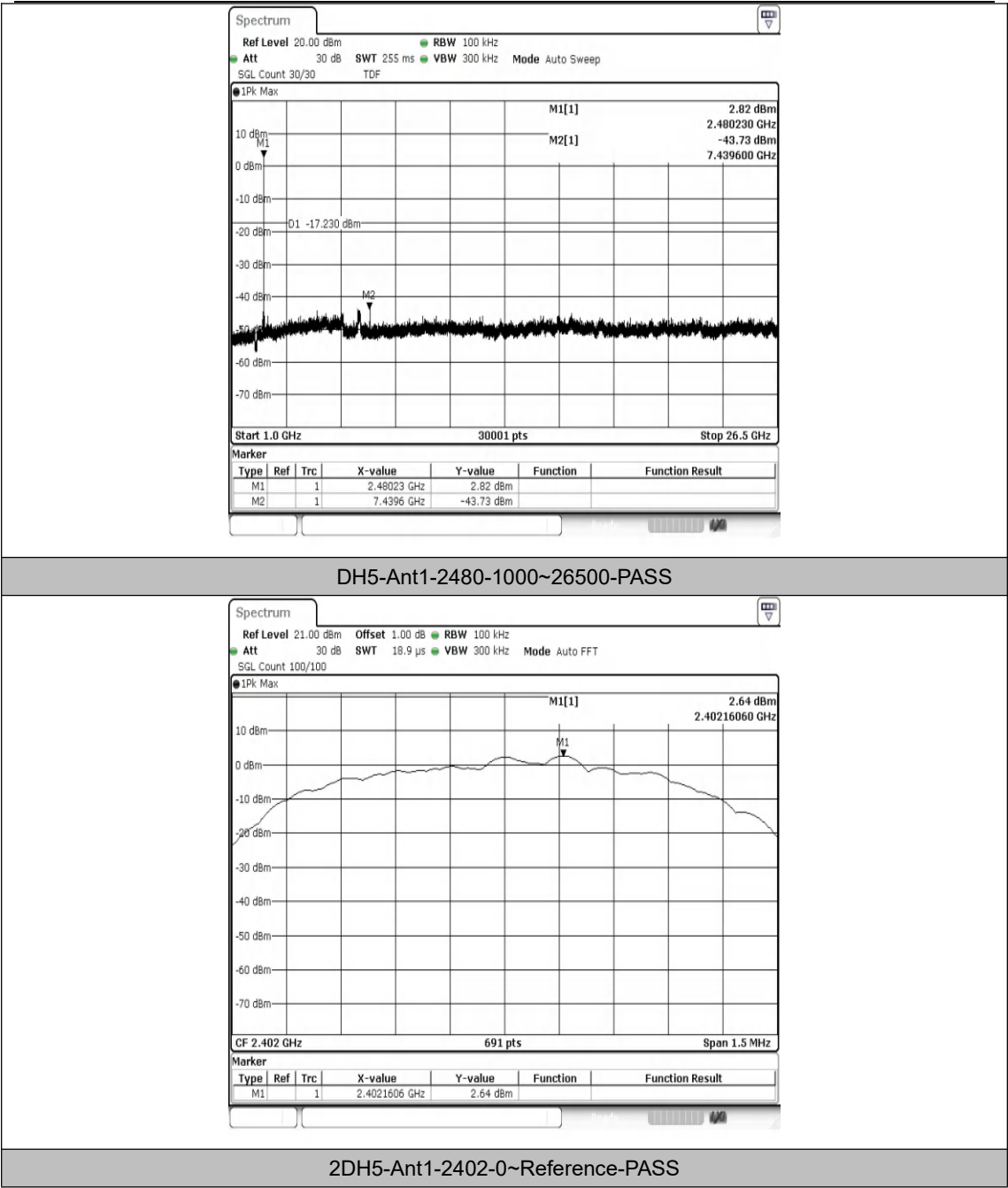
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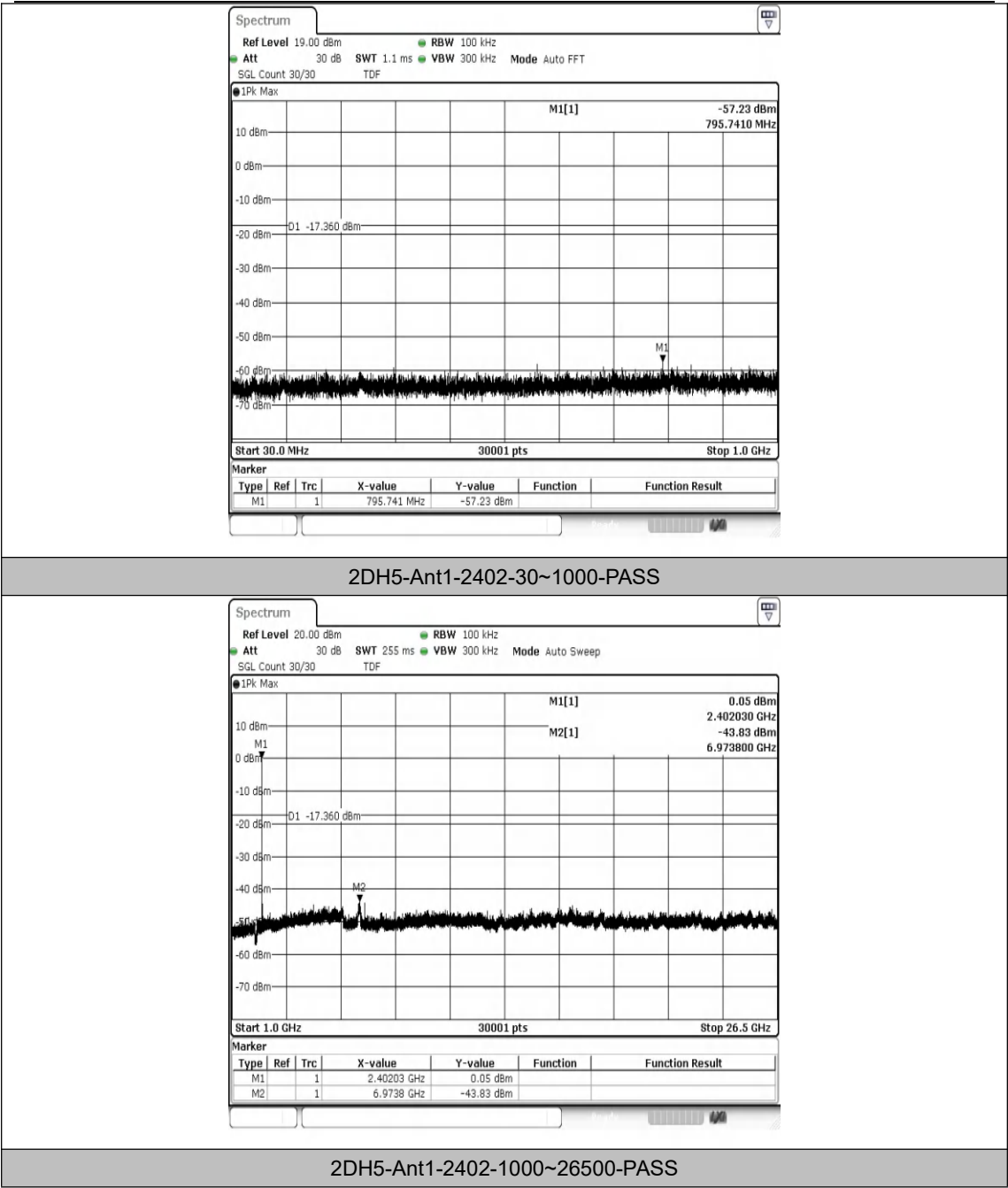


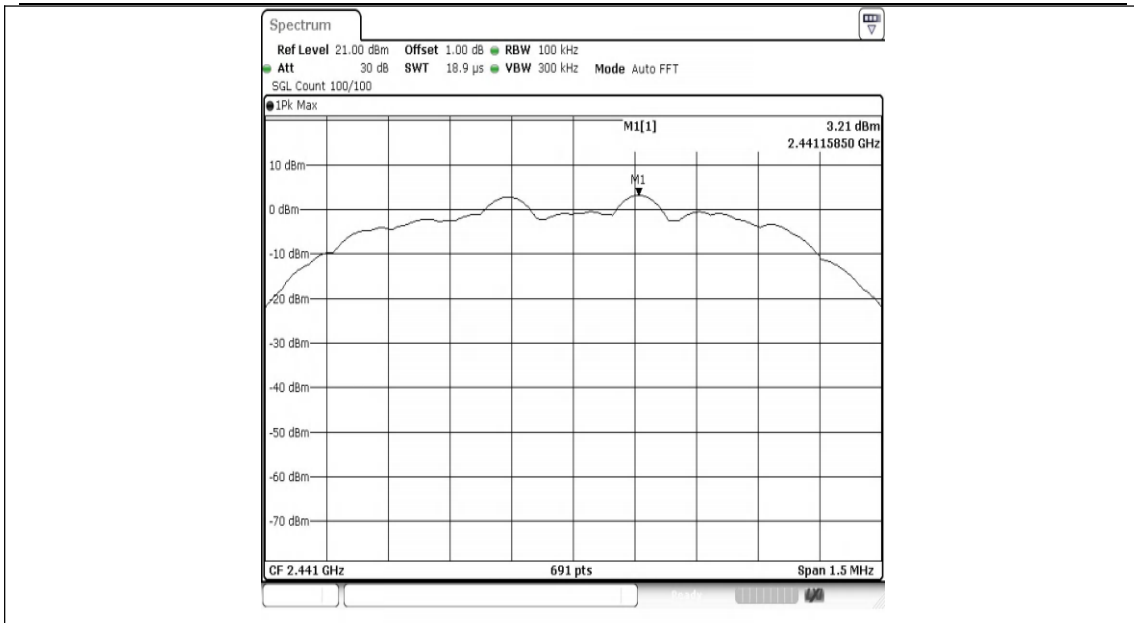
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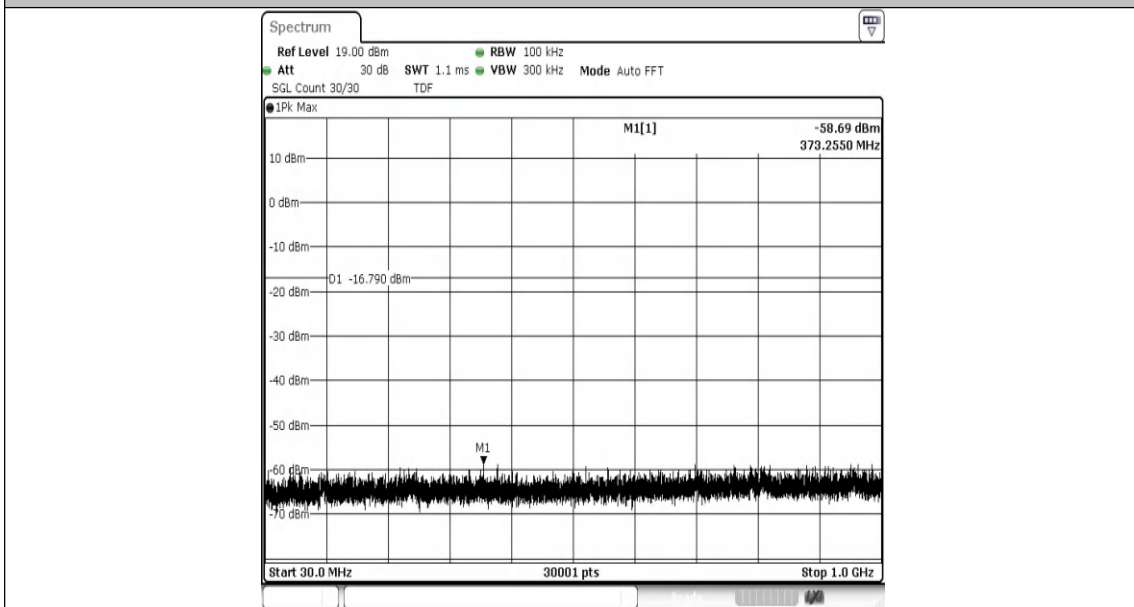
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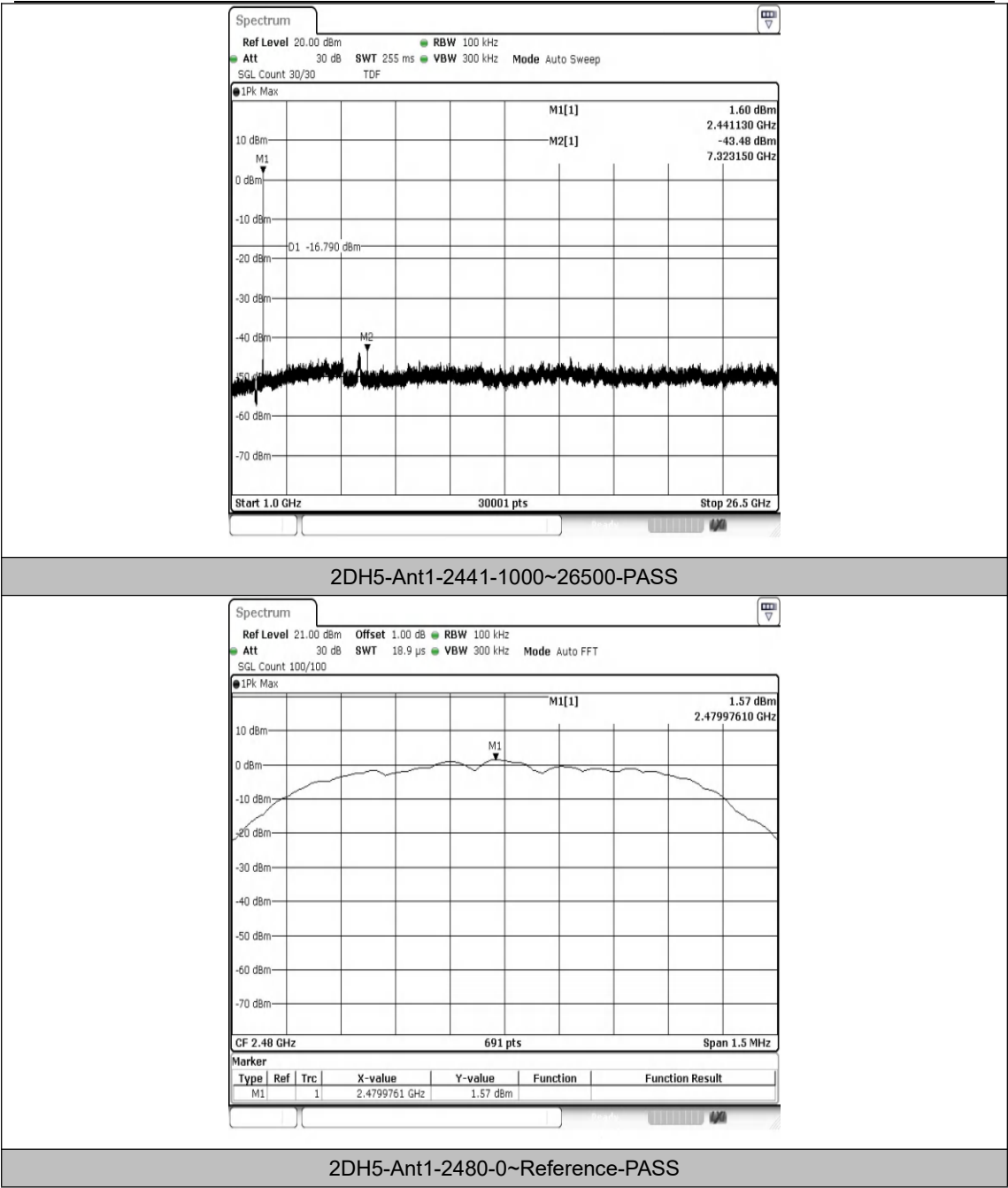


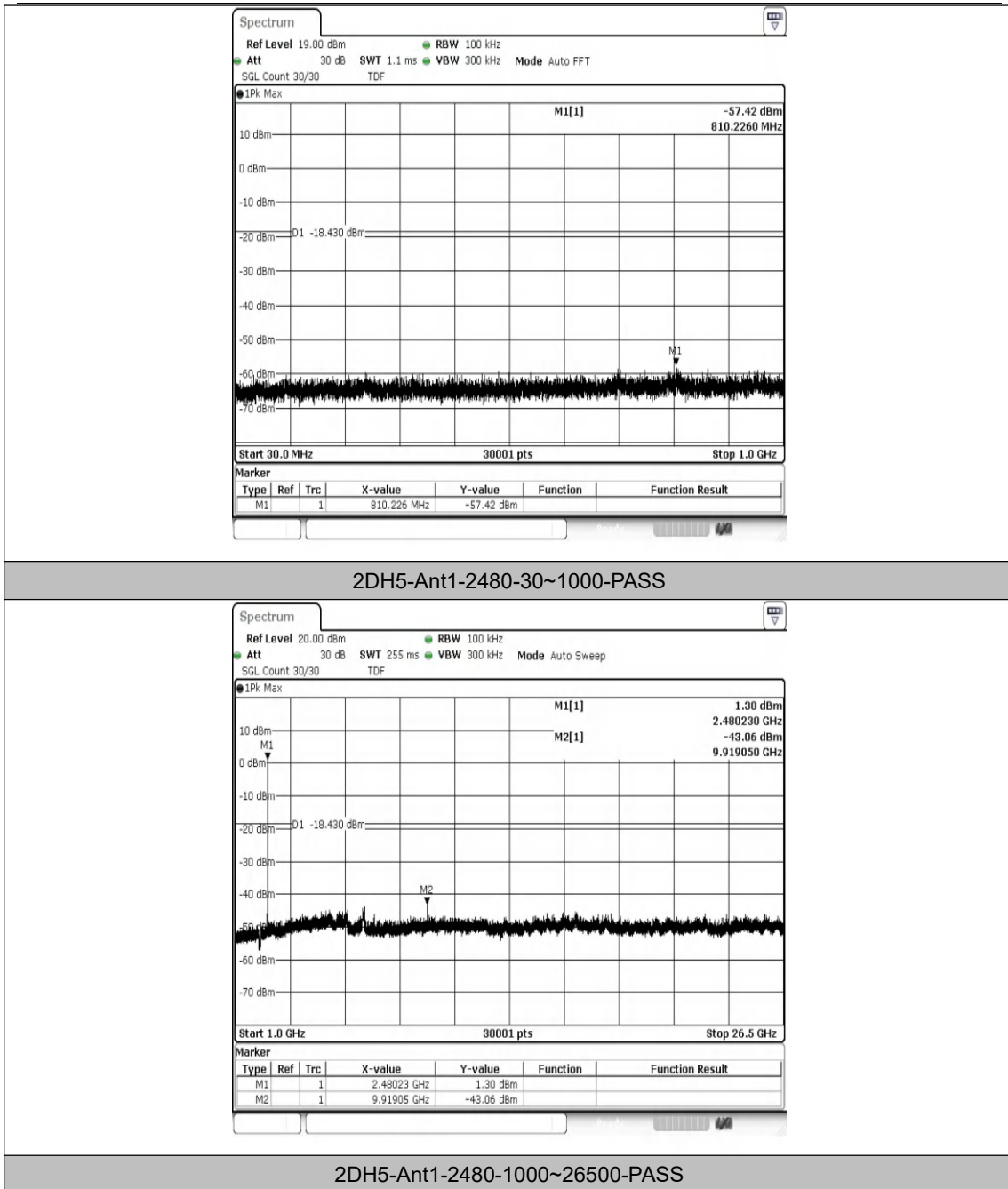
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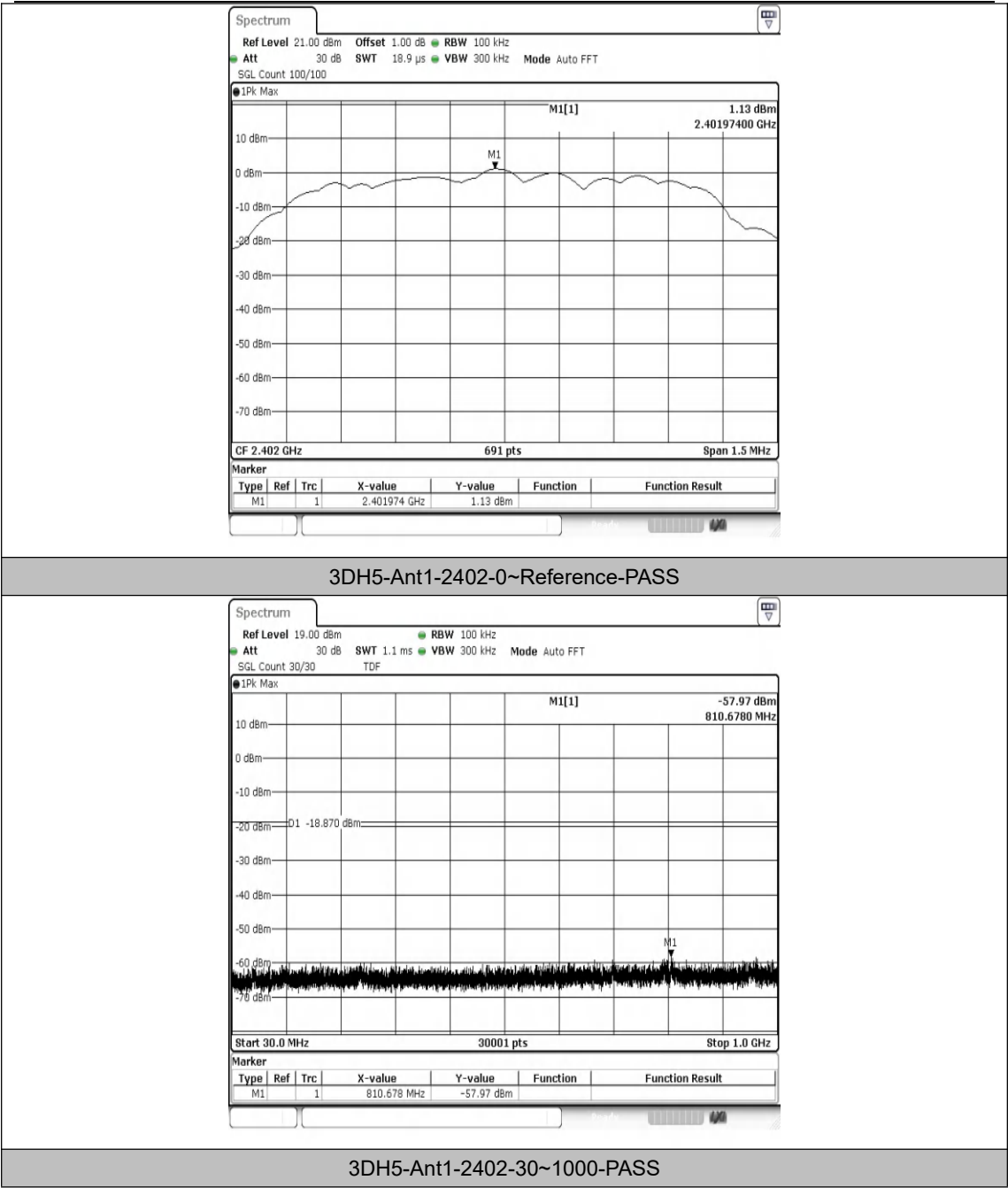




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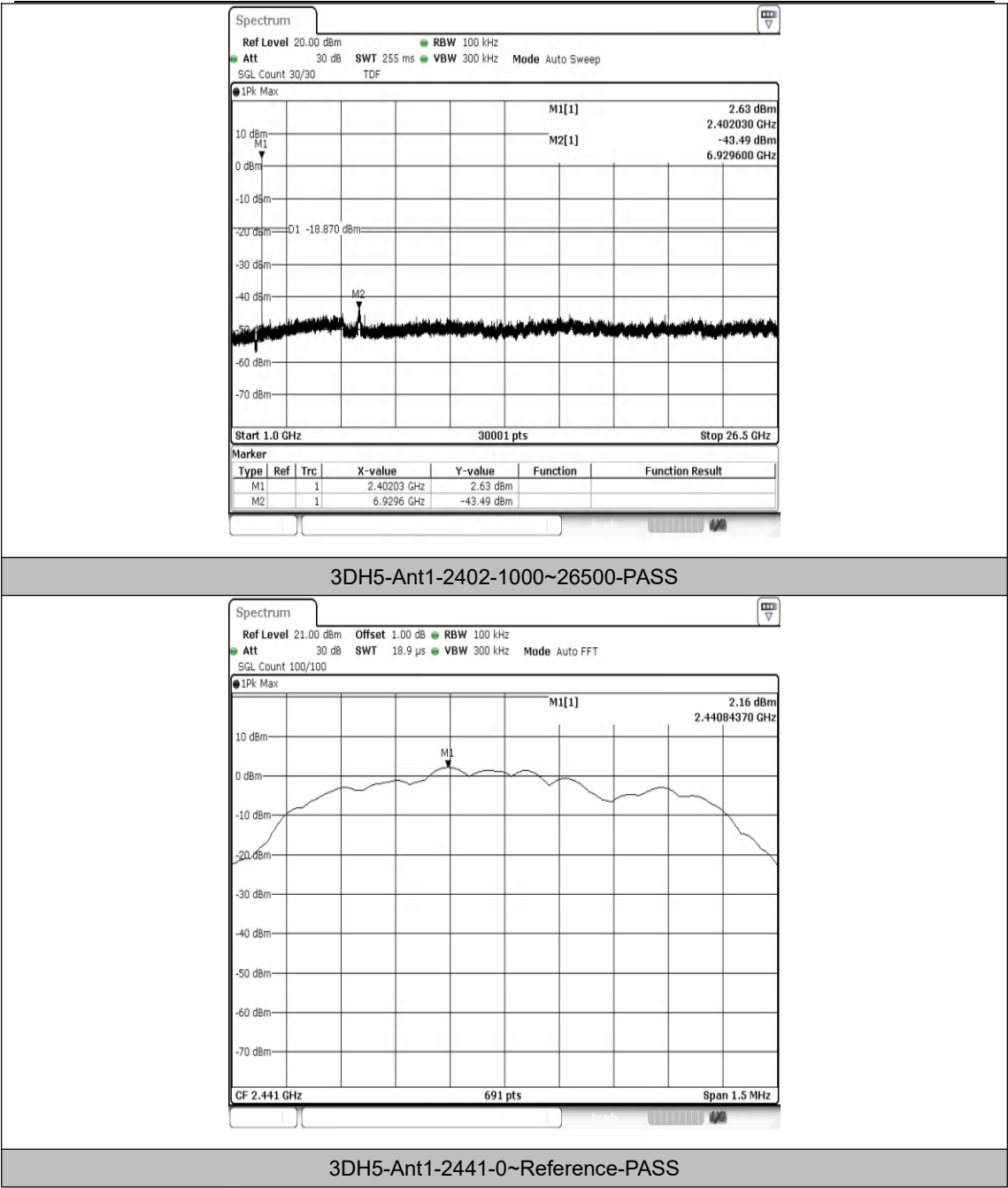
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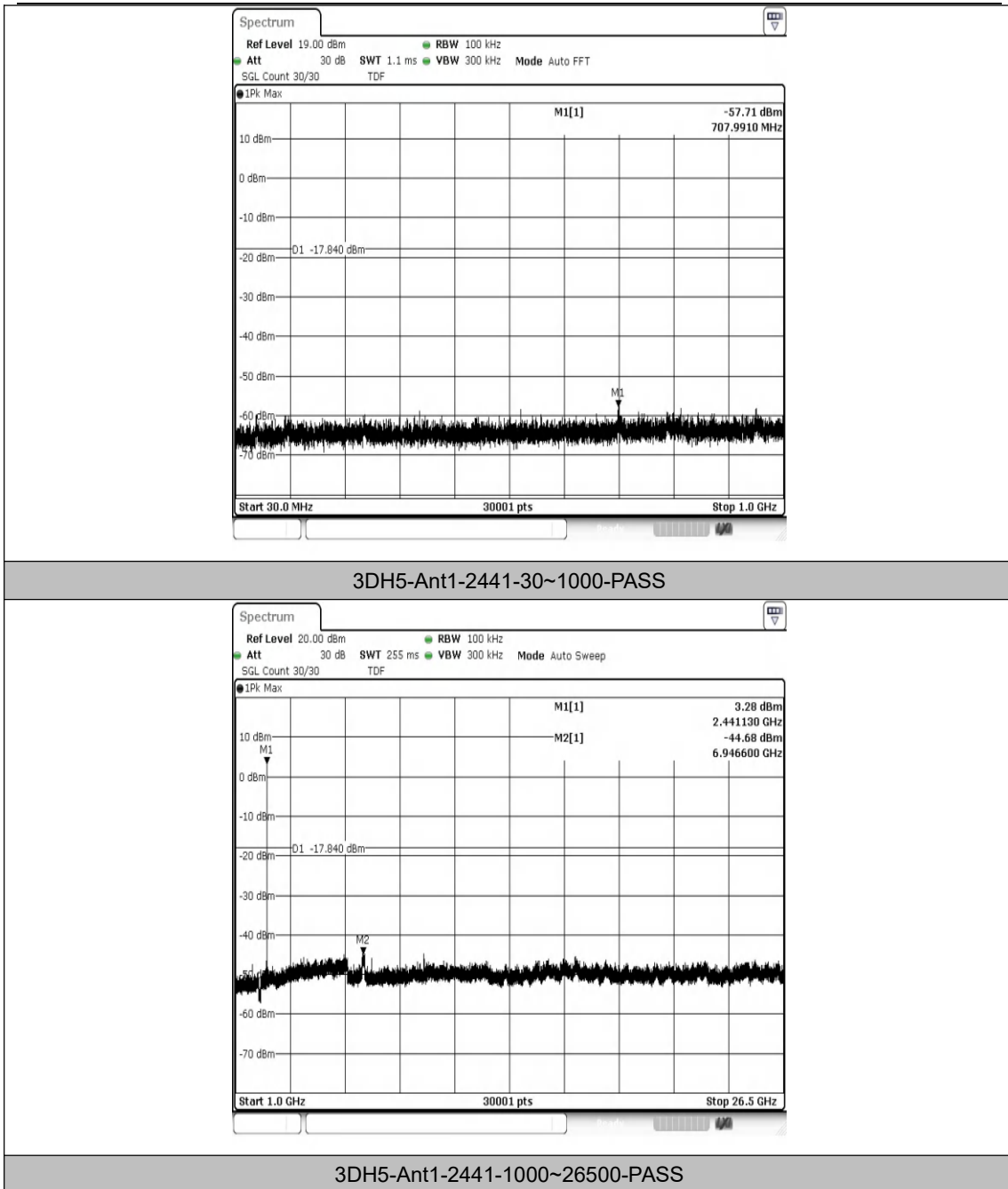


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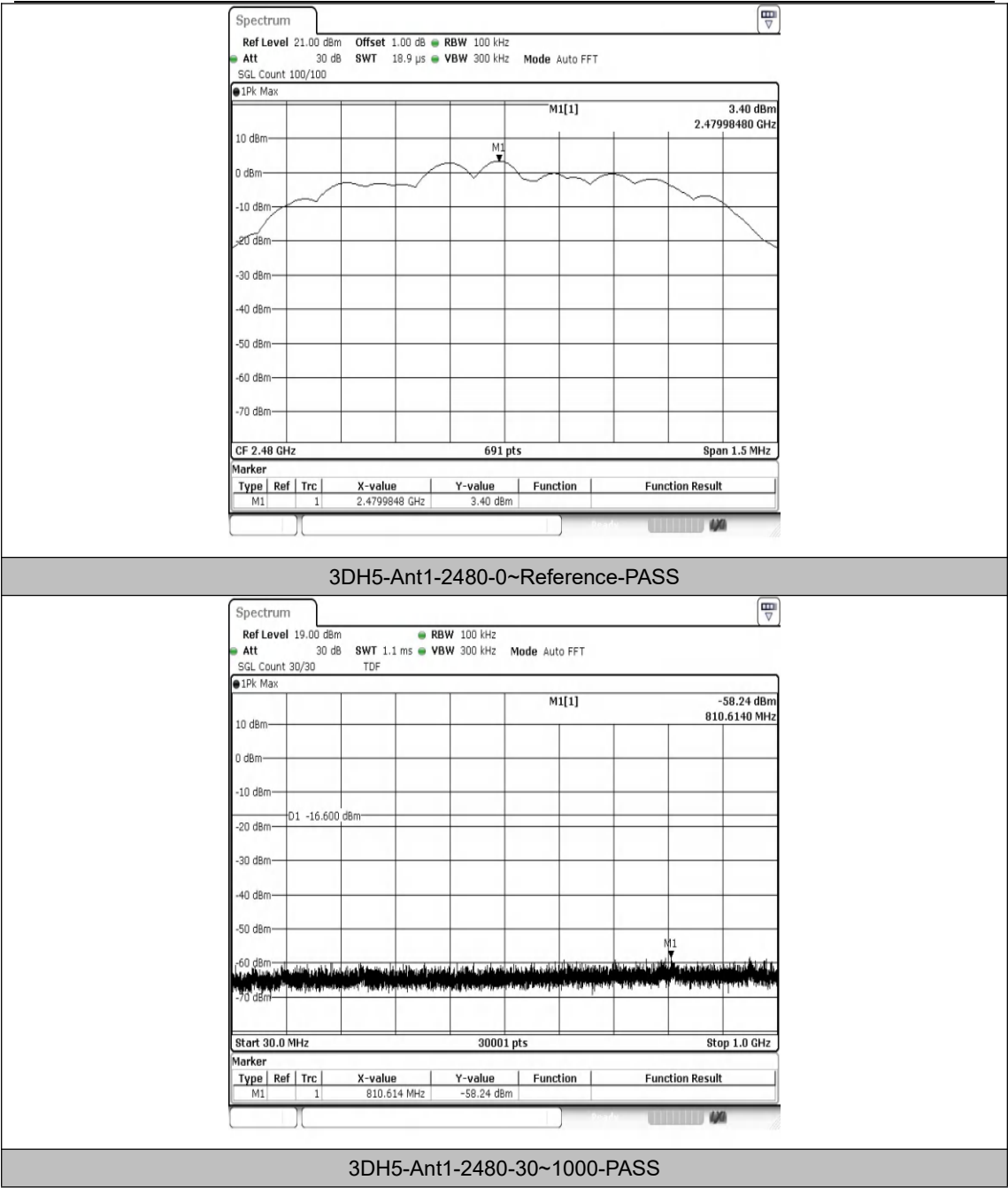




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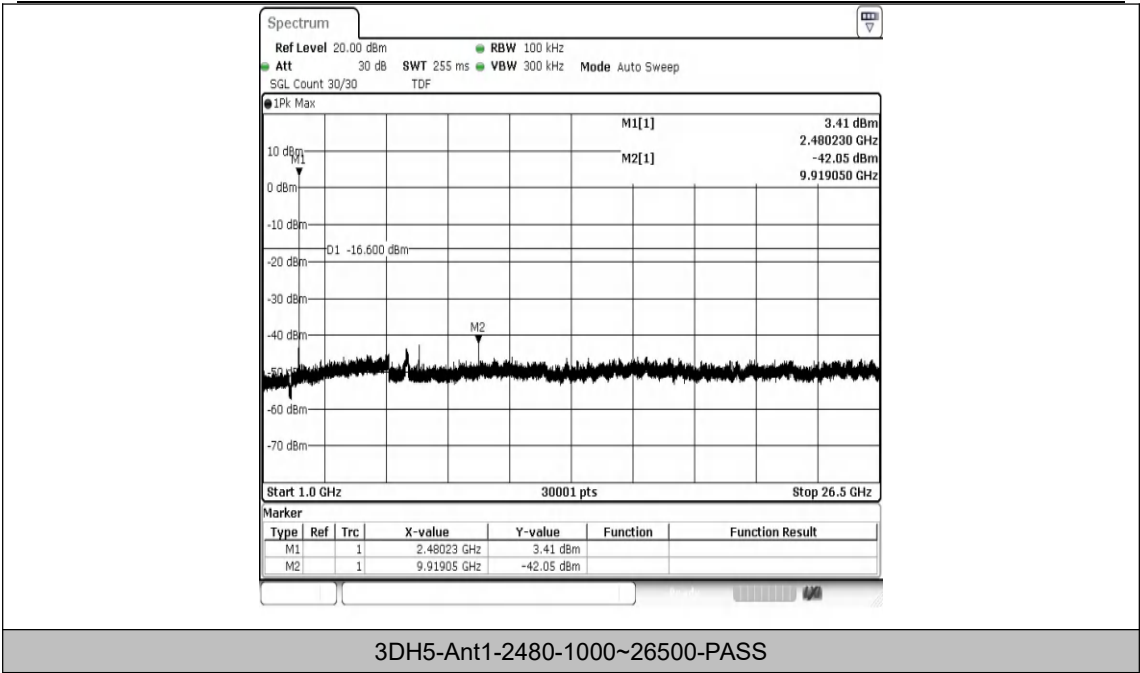
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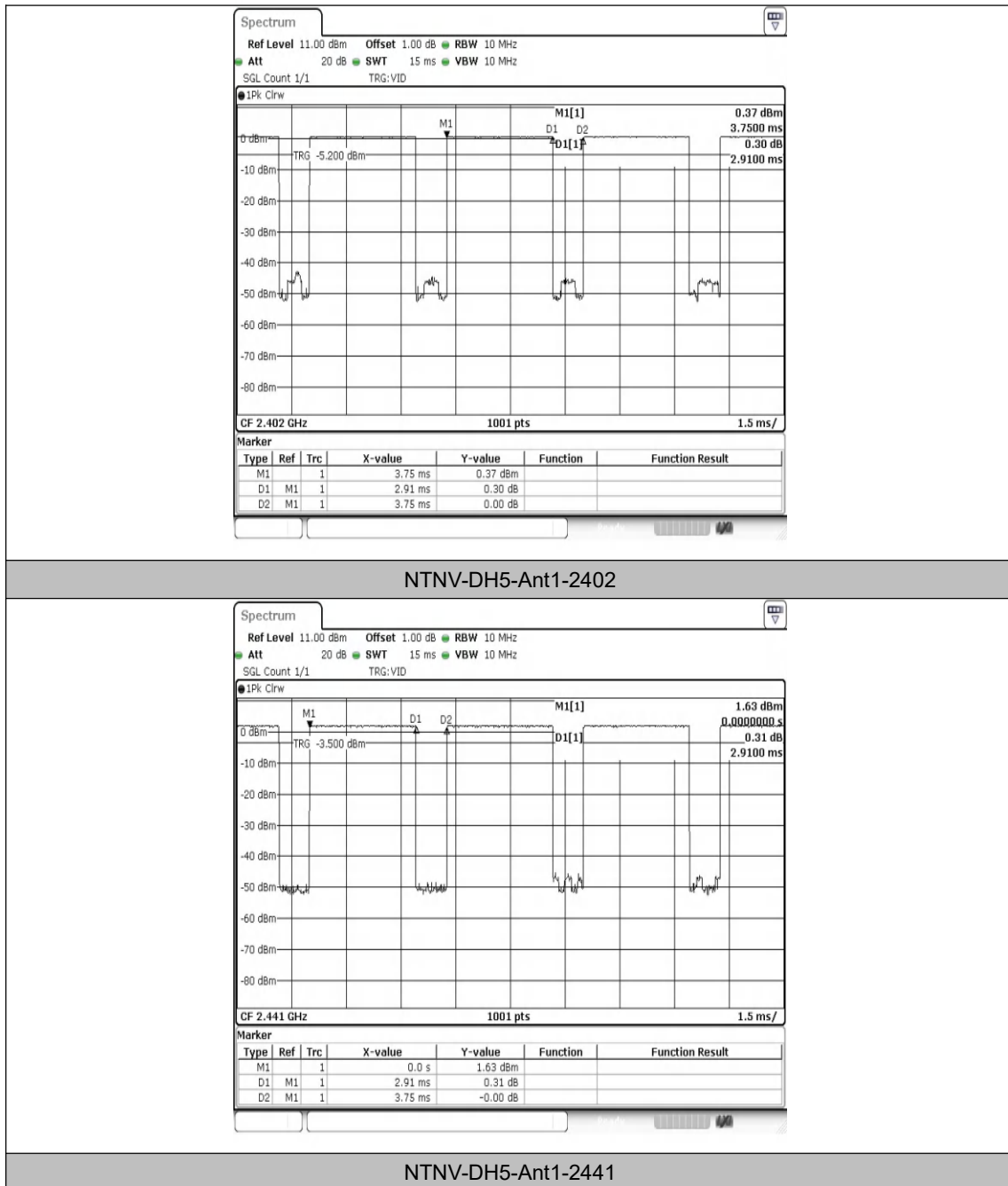
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## Appendix I: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>Factor[dB] |
|-----------|---------|----------------|-----------------|----------------|-------------------|--------------------------|
| DH5       | Ant1    | 2402           | 2.91            | 3.75           | 77.60             | 1.10                     |
| DH5       | Ant1    | 2441           | 2.91            | 3.75           | 77.60             | 1.10                     |
| DH5       | Ant1    | 2480           | 2.91            | 3.75           | 77.60             | 1.10                     |
| 2DH5      | Ant1    | 2402           | 2.91            | 3.75           | 77.60             | 1.10                     |
| 2DH5      | Ant1    | 2441           | 2.92            | 3.76           | 77.66             | 1.10                     |
| 2DH5      | Ant1    | 2480           | 2.93            | 3.77           | 77.72             | 1.09                     |
| 3DH5      | Ant1    | 2402           | 2.92            | 3.76           | 77.66             | 1.10                     |
| 3DH5      | Ant1    | 2441           | 2.91            | 3.75           | 77.60             | 1.10                     |
| 3DH5      | Ant1    | 2480           | 2.92            | 3.76           | 77.66             | 1.10                     |

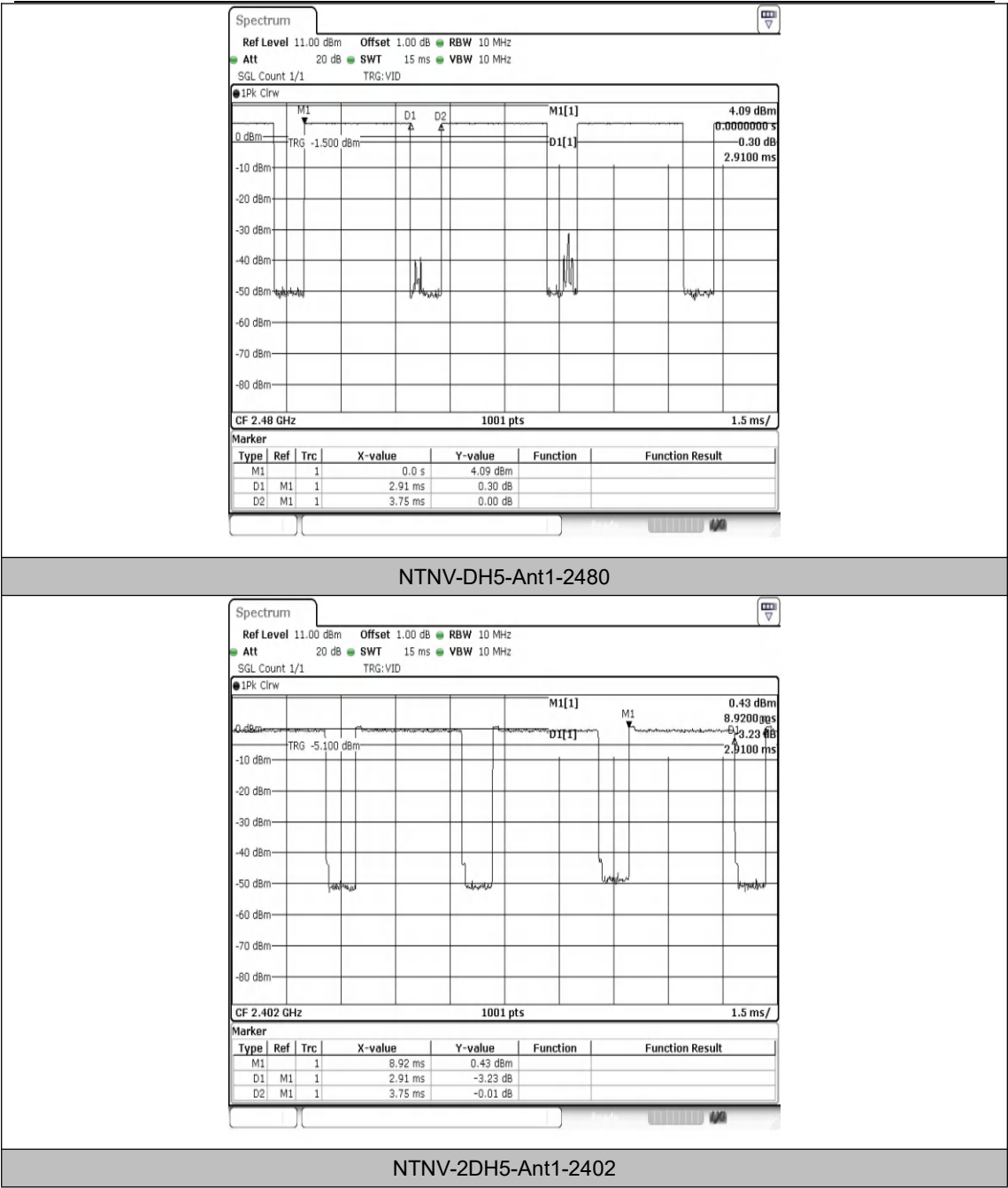
## Test Graphs

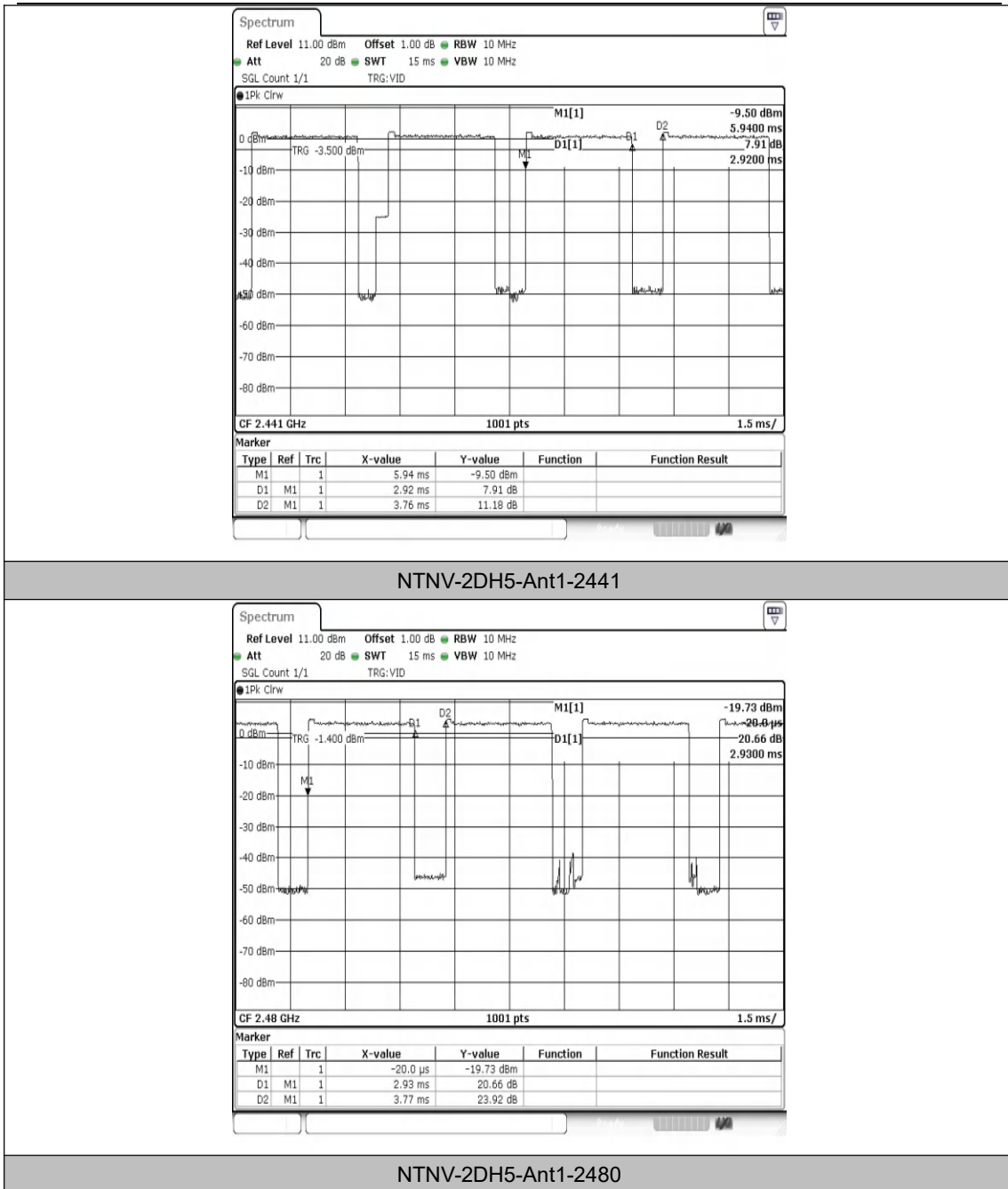


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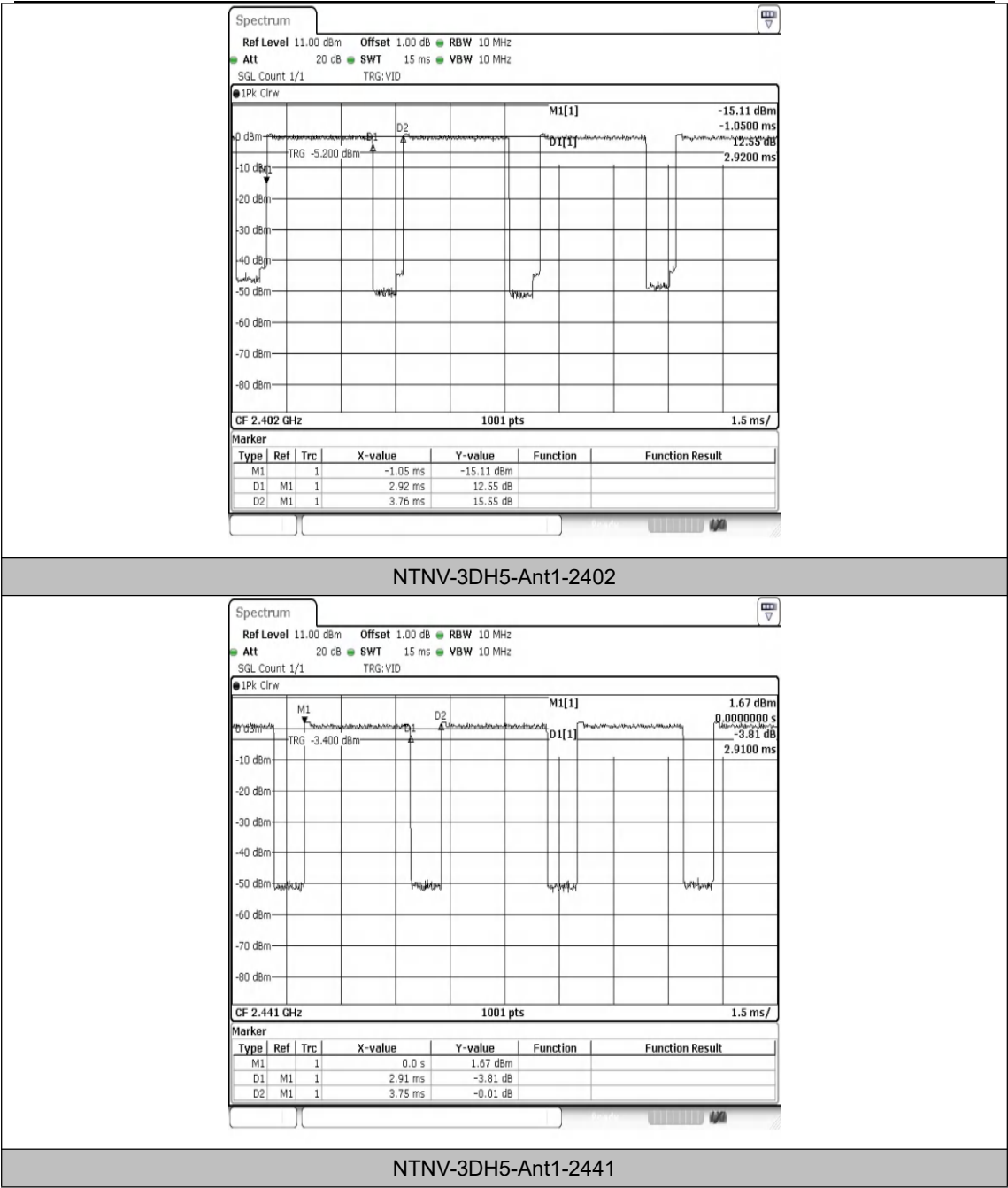


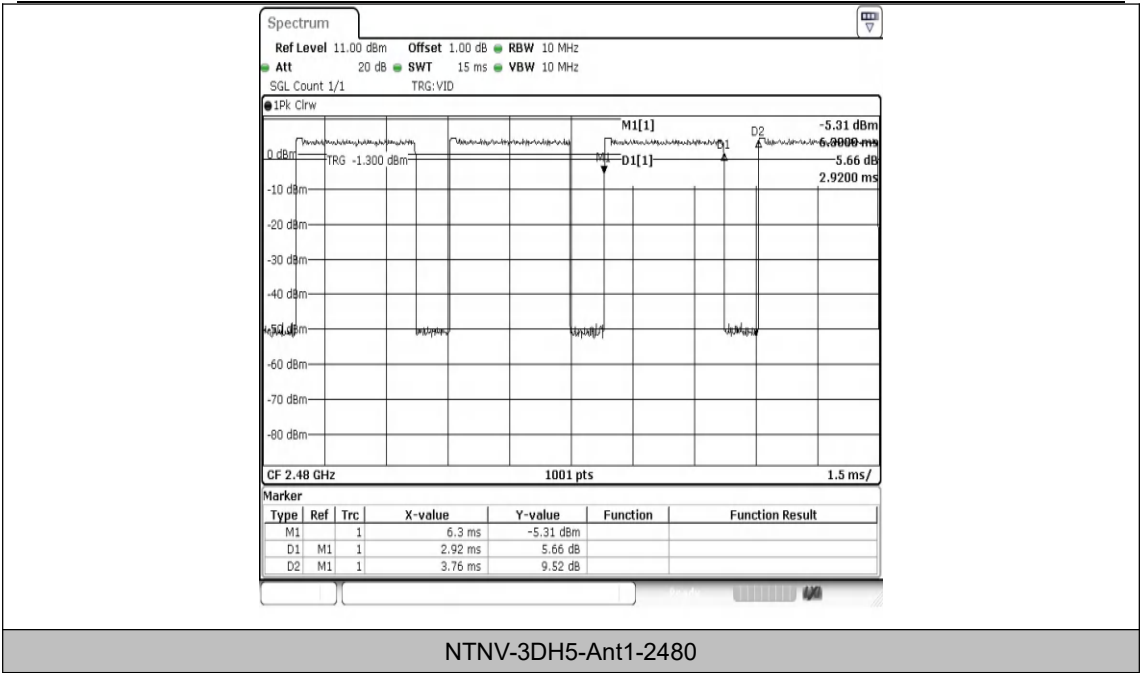


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