

Appendix Test Data

|                  |                   |                    |                    |
|------------------|-------------------|--------------------|--------------------|
| Report No:       | 1812C40114912501  | Test Sample NO:    | 1-2-2              |
| Start Test Date: | 2024.10.31        | Finish Test Date:  | 2024.11.1          |
| Test Engineer:   | <i>Joker Wang</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 24.7°C            | Relative Humidity: | 53%                |
| Pressure:        | 101 kPa           |                    |                    |

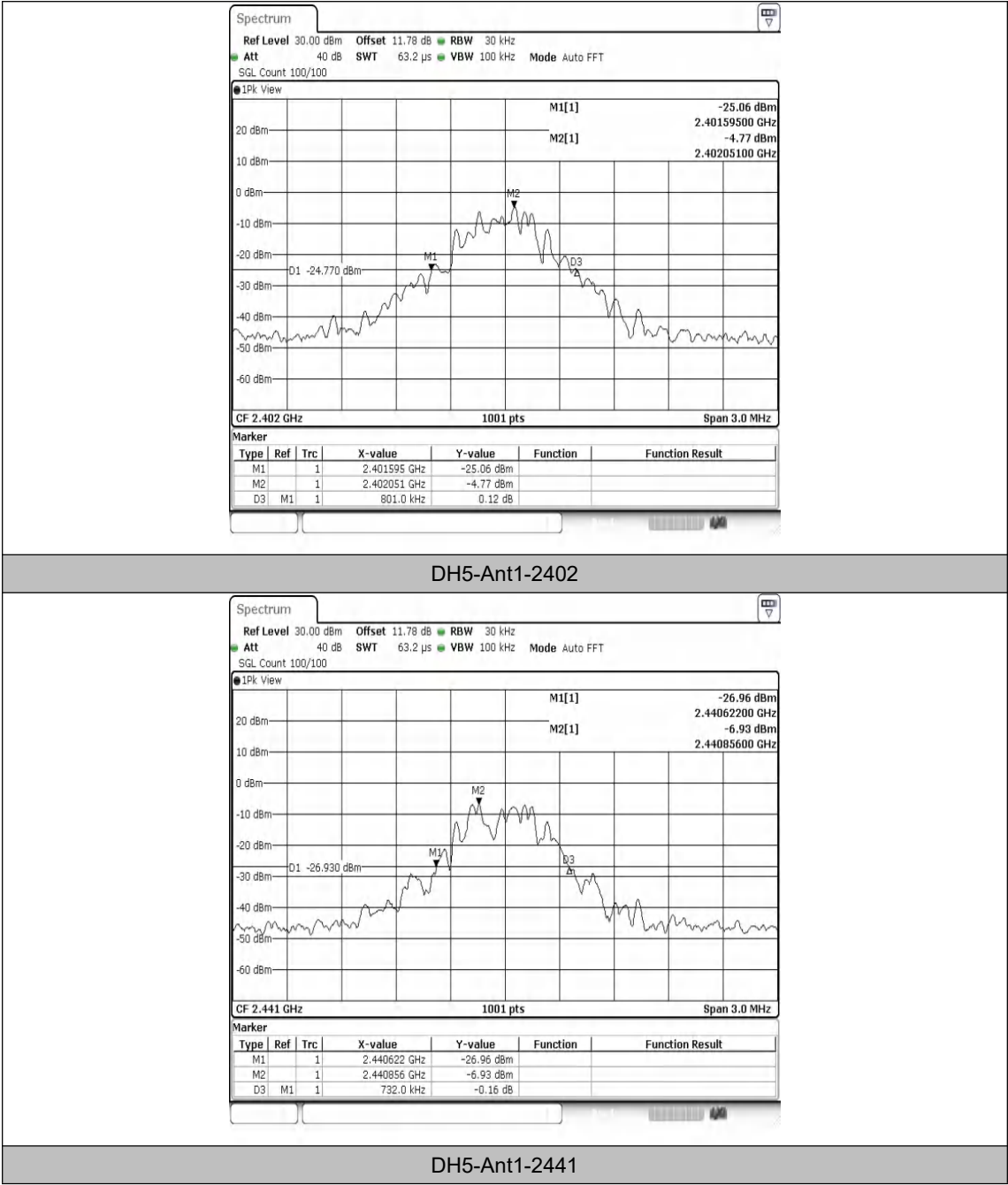
Appendix A: 20dB Emission Bandwidth

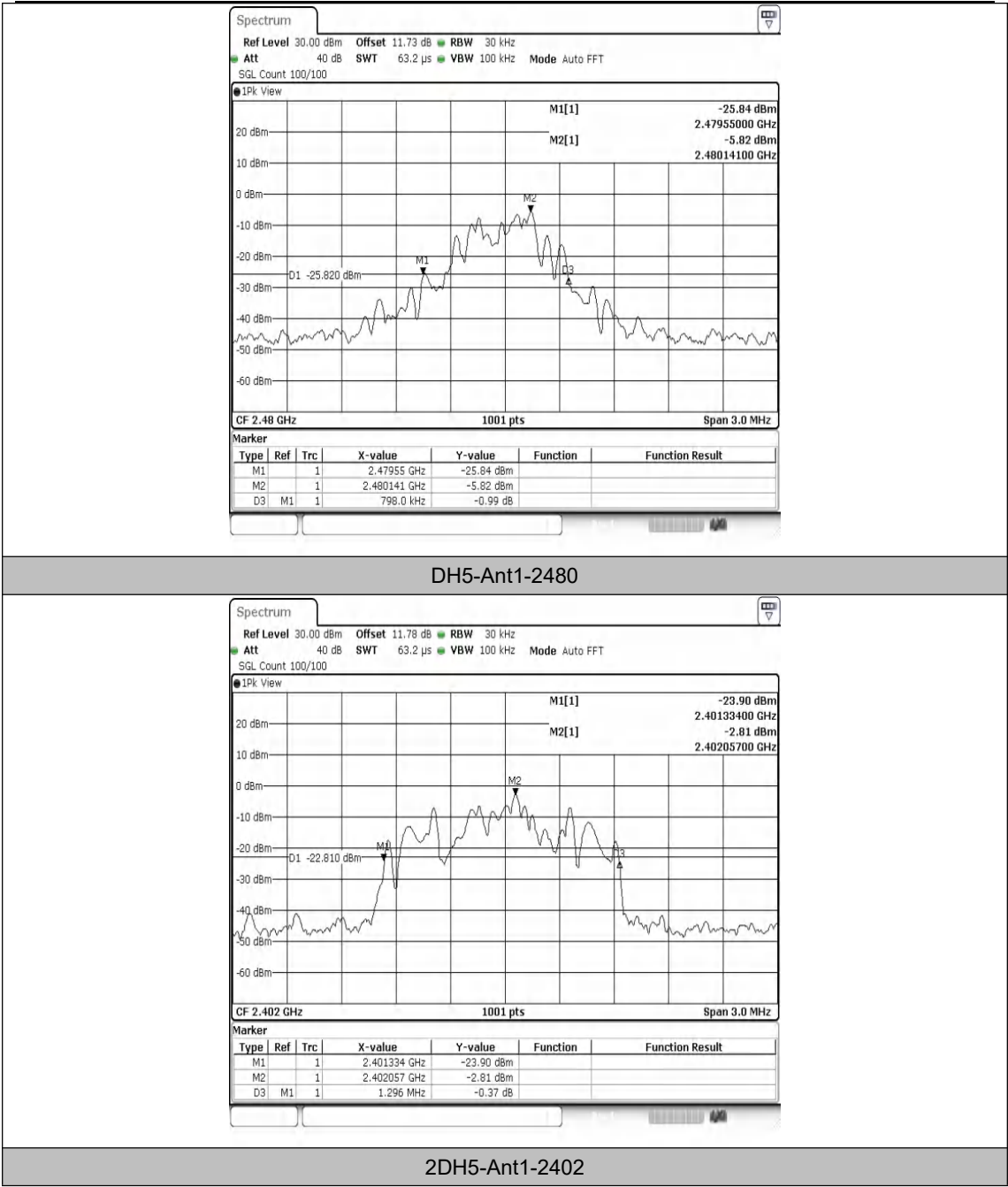
Test Result

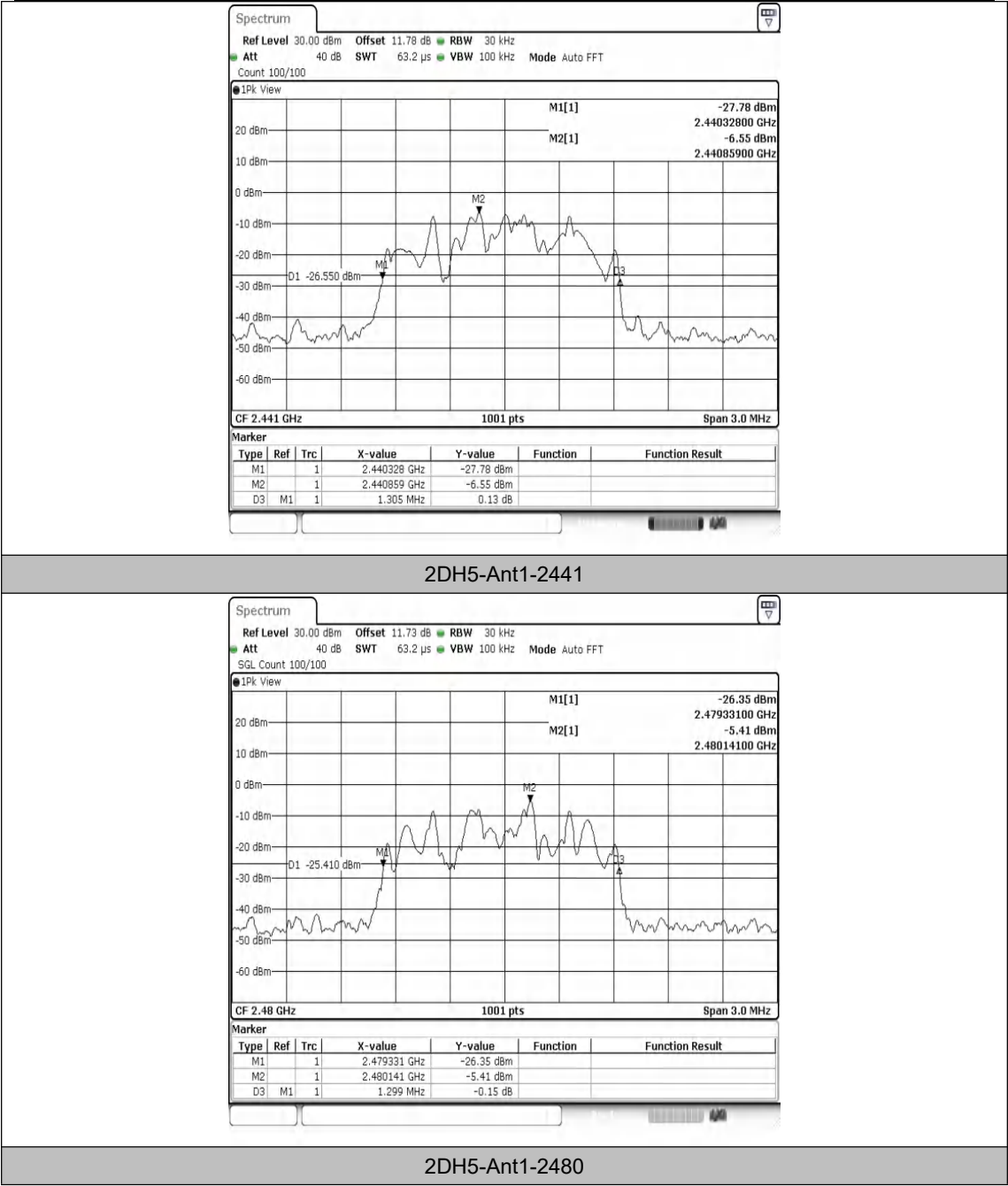
| TestMode | Antenna | Frequency[MHz] | 20db<br>EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|------------------|---------|---------|------------|---------|
| DH5      | Ant1    | 2402           | 0.80             | 2401.60 | 2402.40 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.73             | 2440.62 | 2441.35 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.80             | 2479.55 | 2480.35 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.30             | 2401.33 | 2402.63 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.30             | 2440.33 | 2441.63 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.30             | 2479.33 | 2480.63 | ---        | ---     |
| 3DH5     | Ant1    | 2402           | 1.28             | 2401.35 | 2402.63 | ---        | ---     |
| 3DH5     | Ant1    | 2441           | 1.28             | 2440.35 | 2441.63 | ---        | ---     |
| 3DH5     | Ant1    | 2480           | 1.28             | 2479.35 | 2480.62 | ---        | ---     |

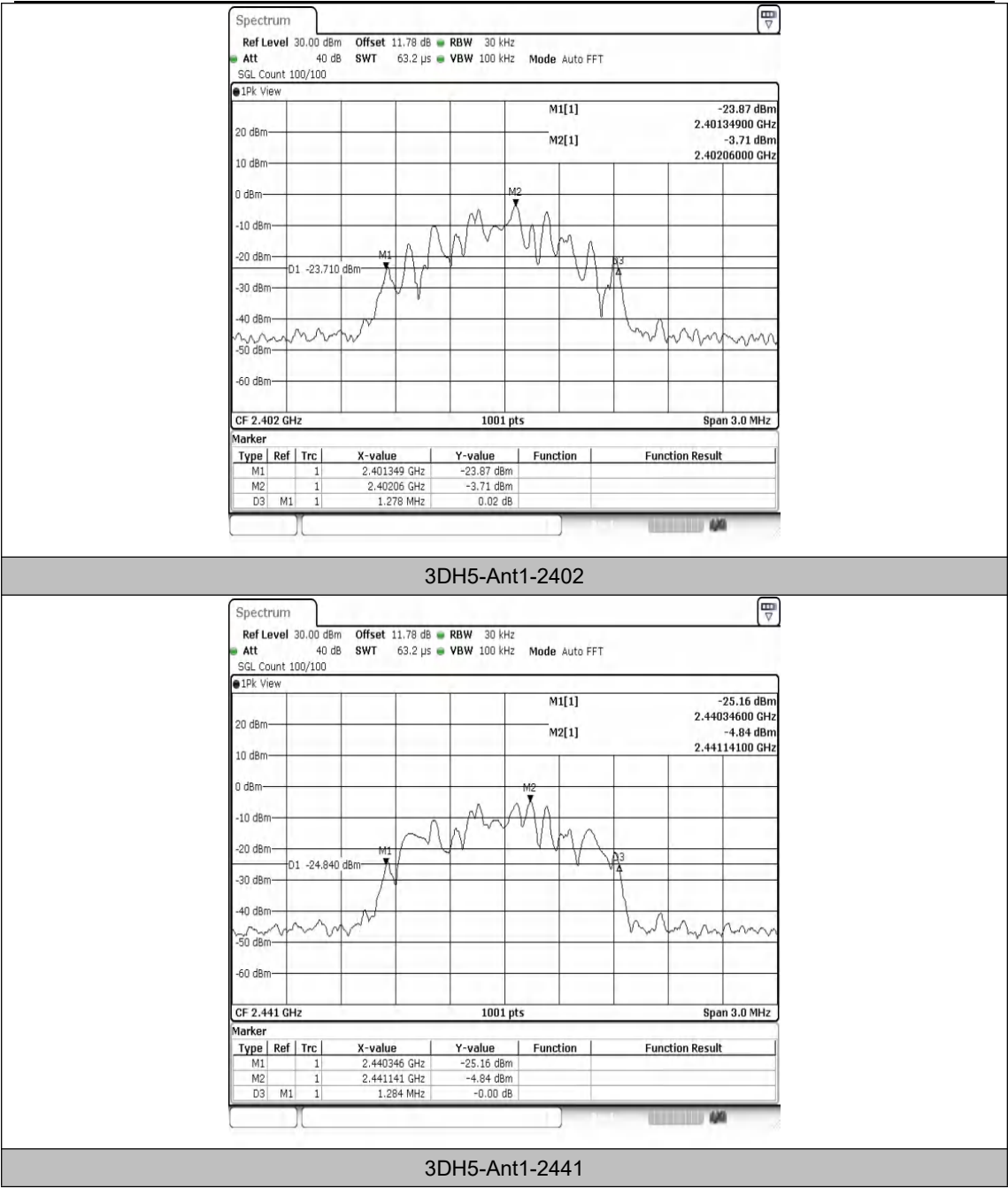


Test Graphs











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## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| DH5      | Ant1    | 2402           | 0.77      | 2401.5654 | 2402.3357 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.791     | 2440.5984 | 2441.3896 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.812     | 2479.5624 | 2480.3746 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.247     | 2401.3586 | 2402.6054 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.247     | 2440.3556 | 2441.6024 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.244     | 2479.3586 | 2480.6024 | ---        | ---     |
| 3DH5     | Ant1    | 2402           | 1.133     | 2401.4515 | 2402.5844 | ---        | ---     |
| 3DH5     | Ant1    | 2441           | 1.118     | 2440.4396 | 2441.5574 | ---        | ---     |
| 3DH5     | Ant1    | 2480           | 1.154     | 2479.4246 | 2480.5784 | ---        | ---     |

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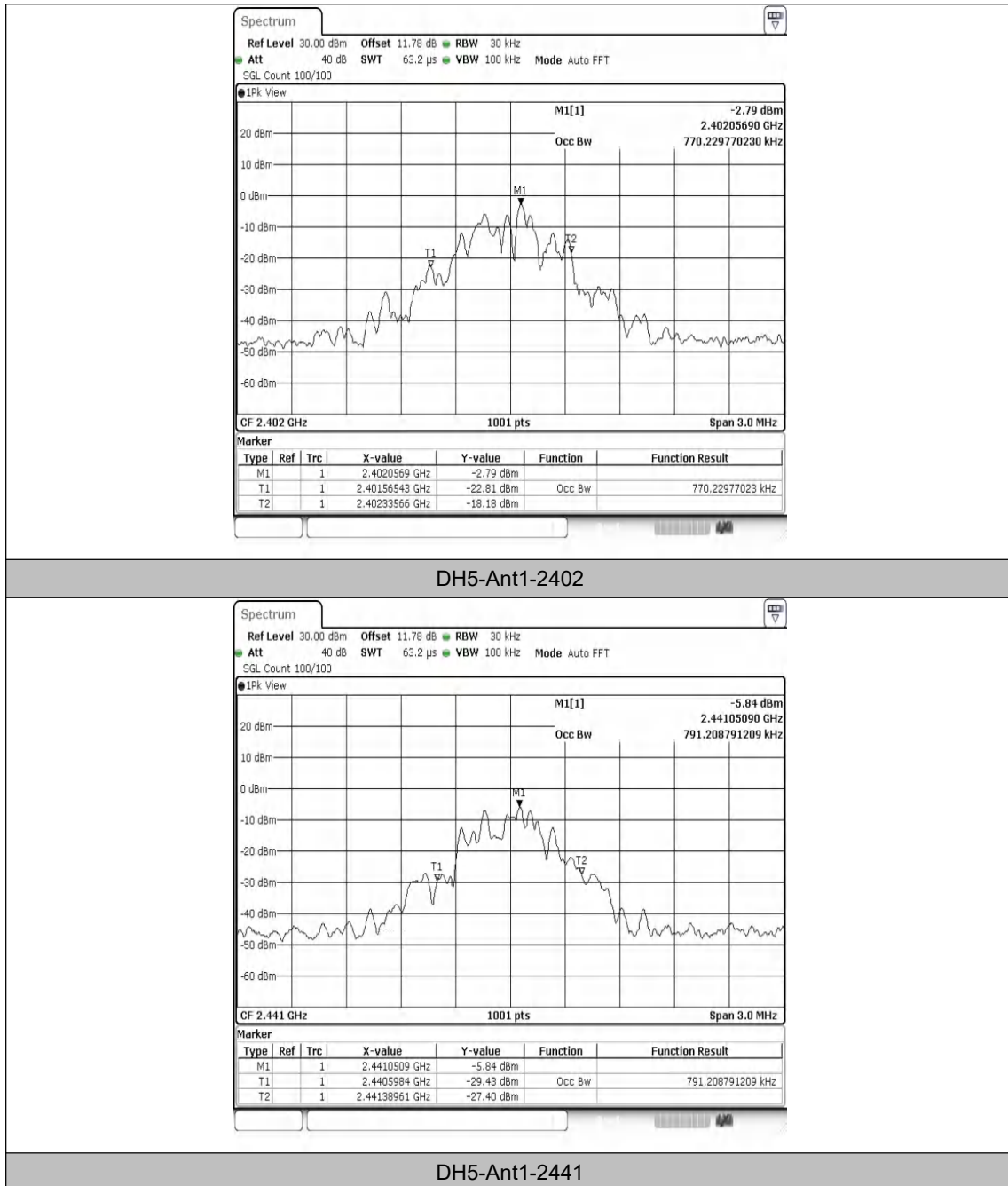
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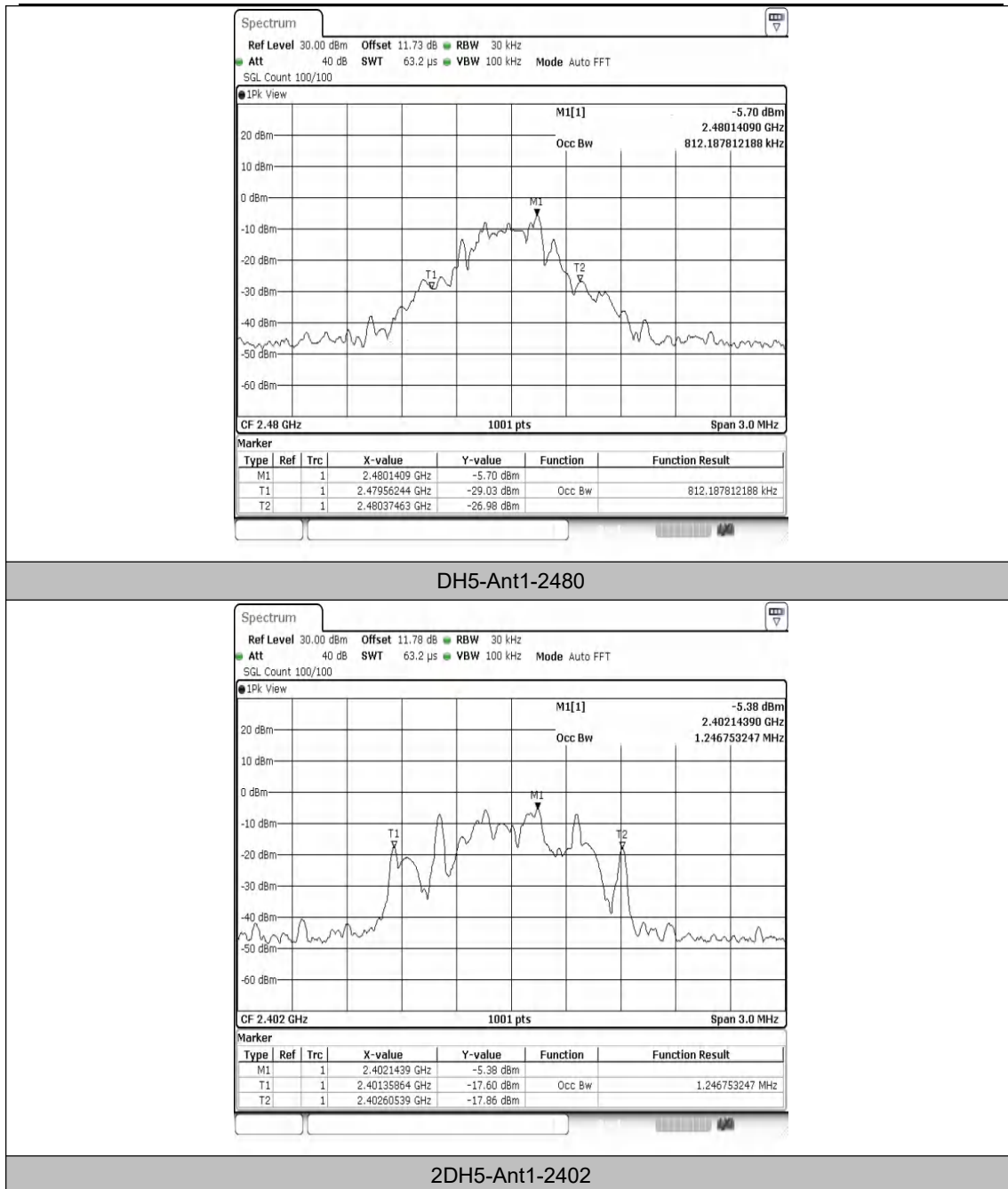


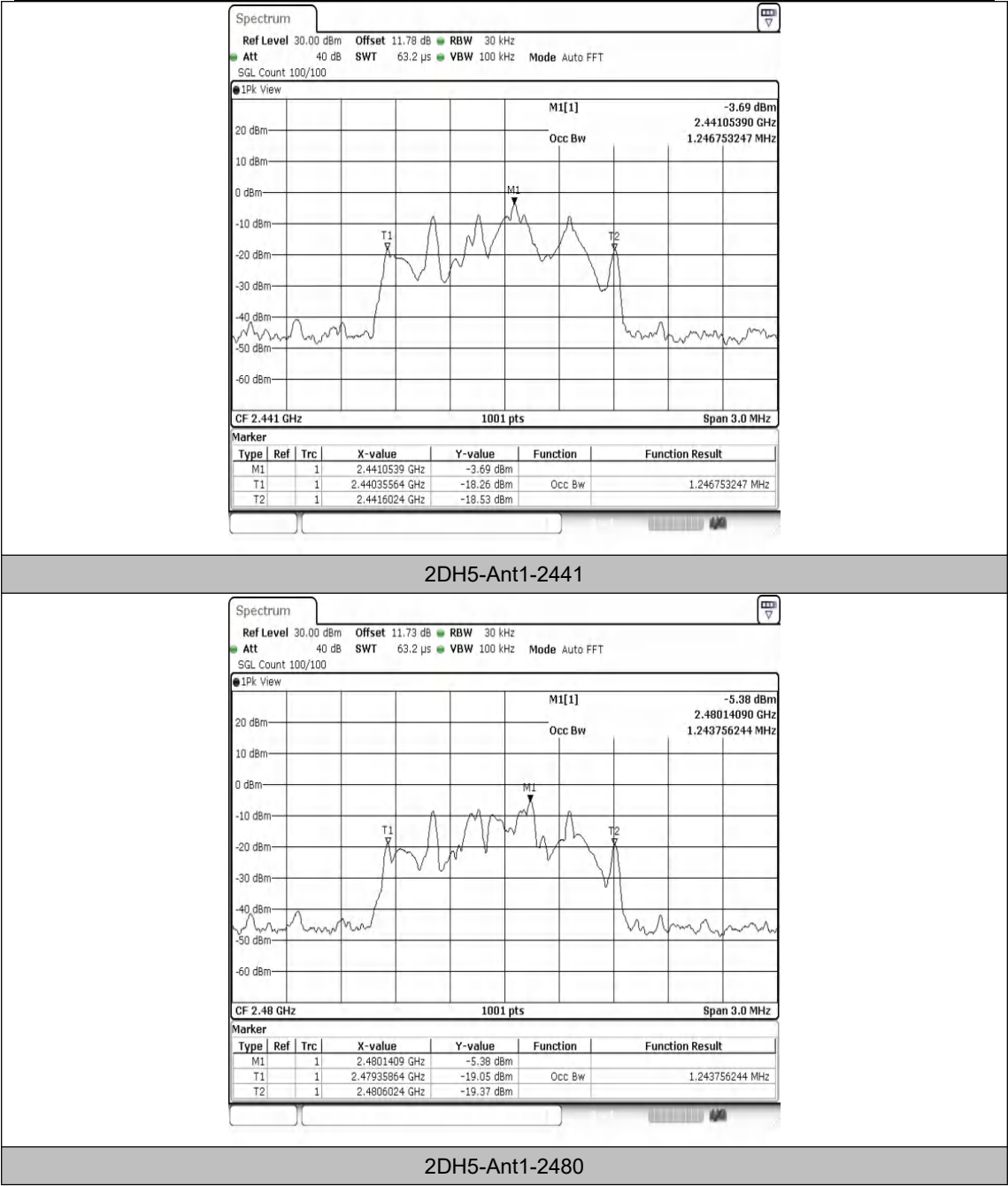
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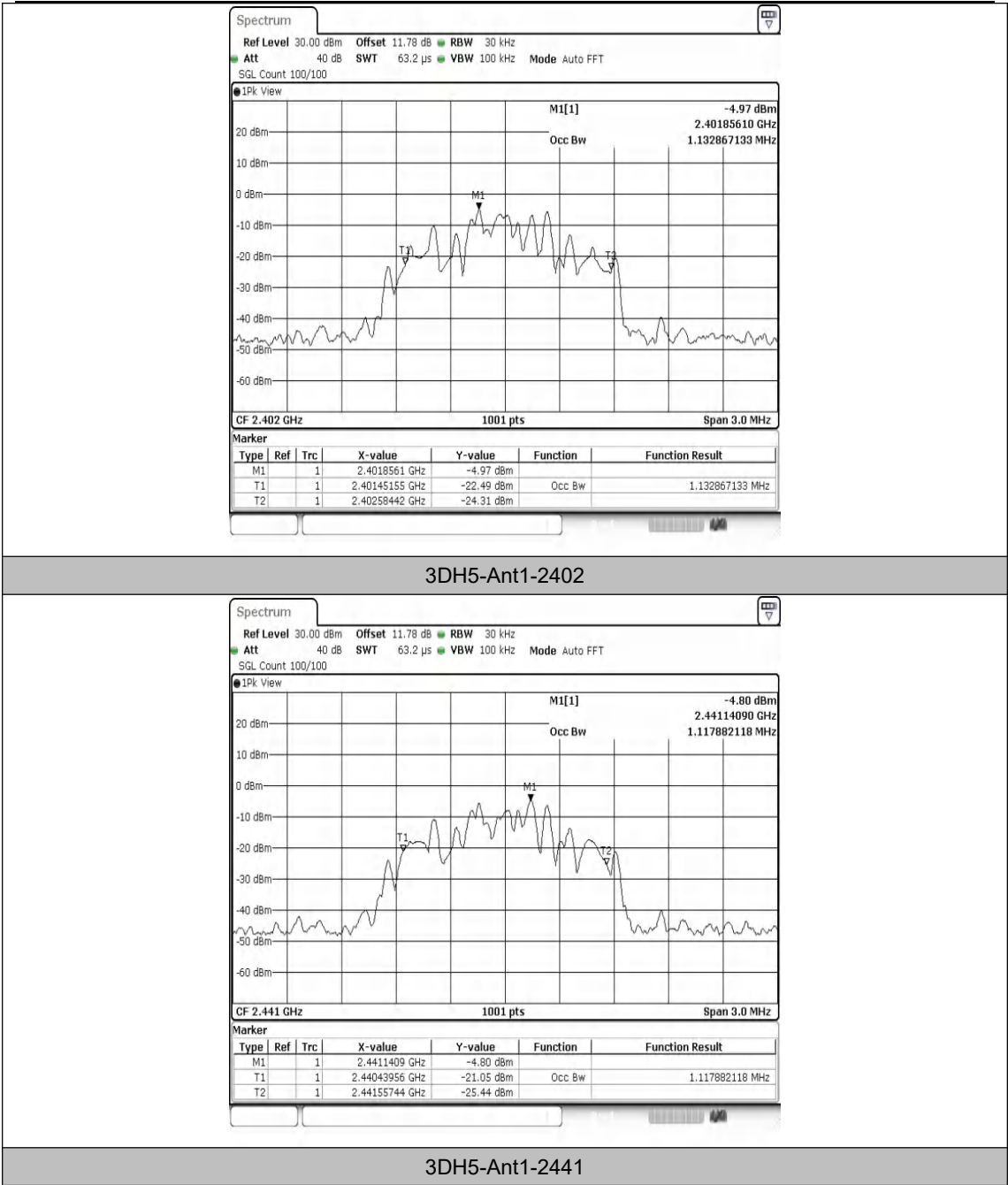


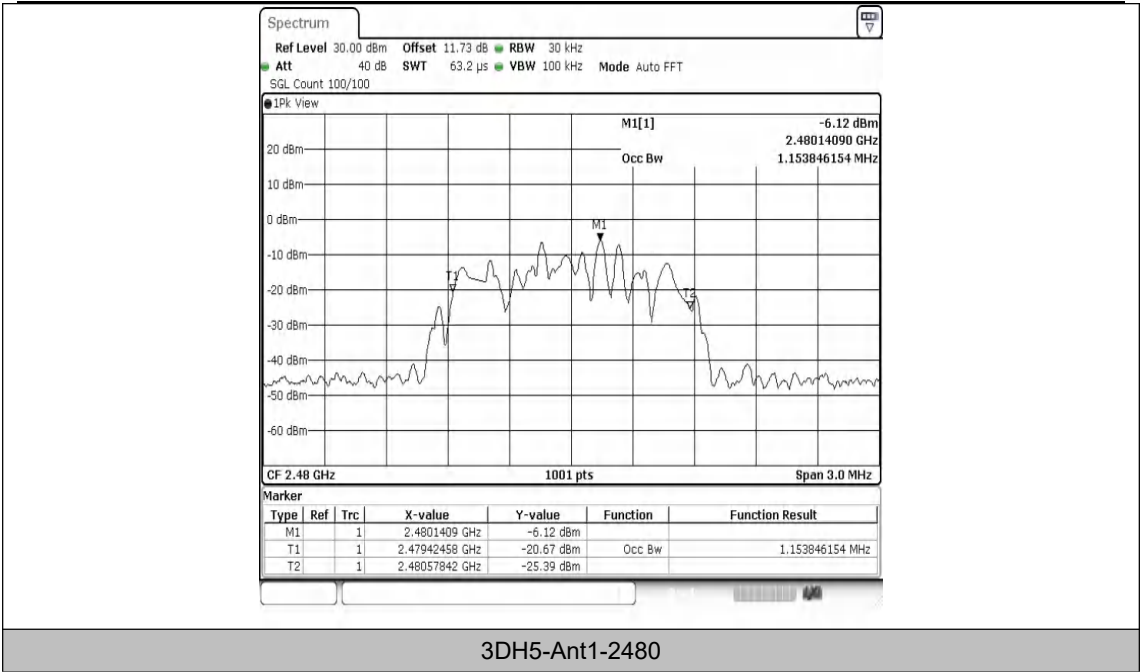
## Test Graphs











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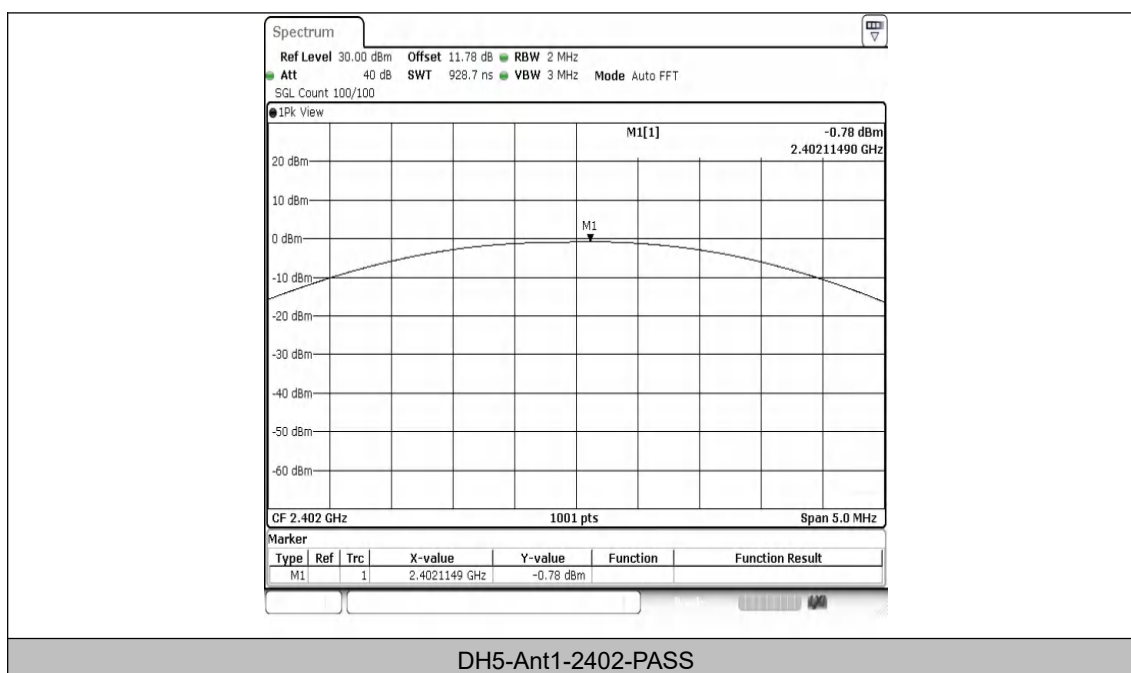


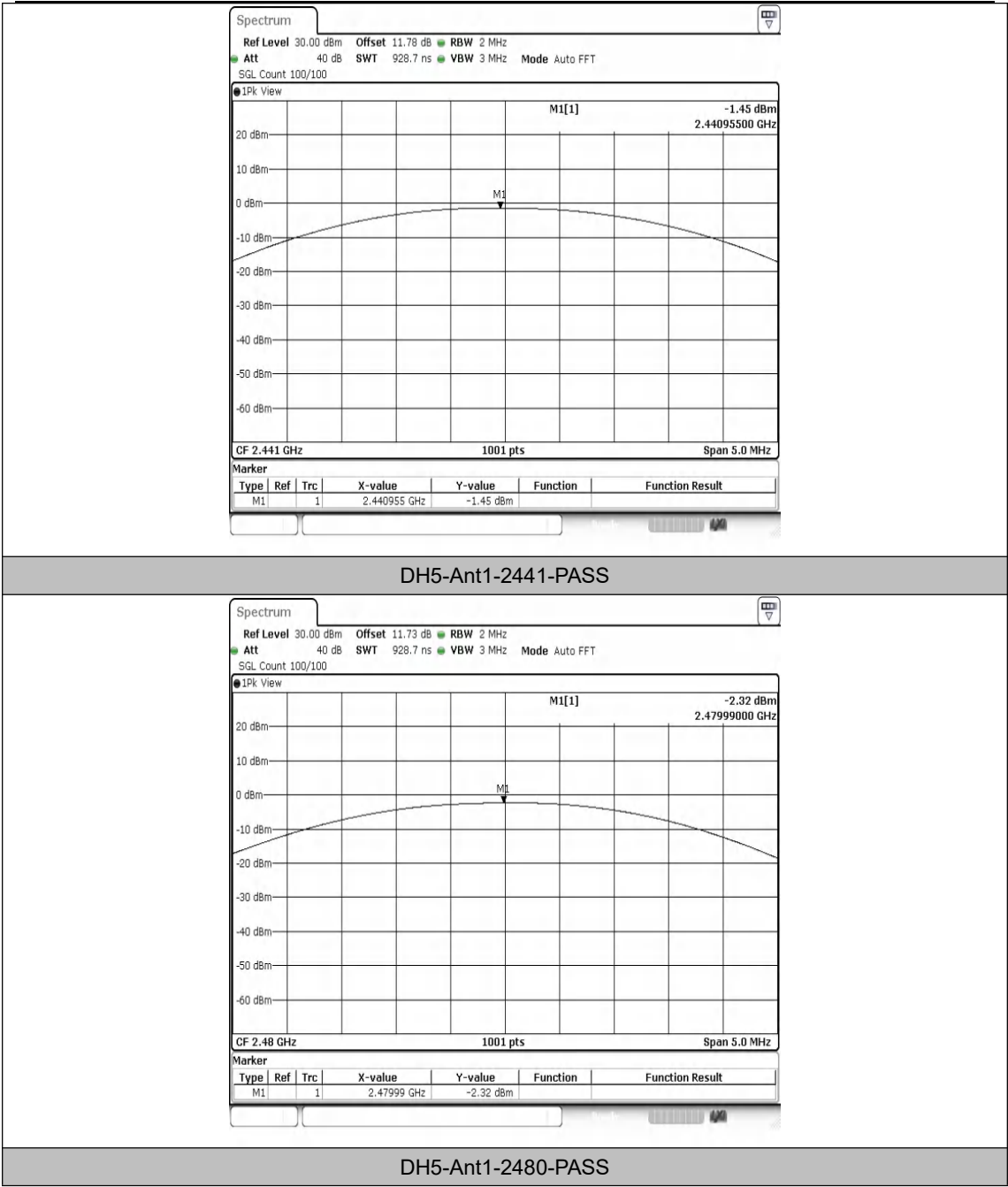
## Appendix C: Maximum conducted output power

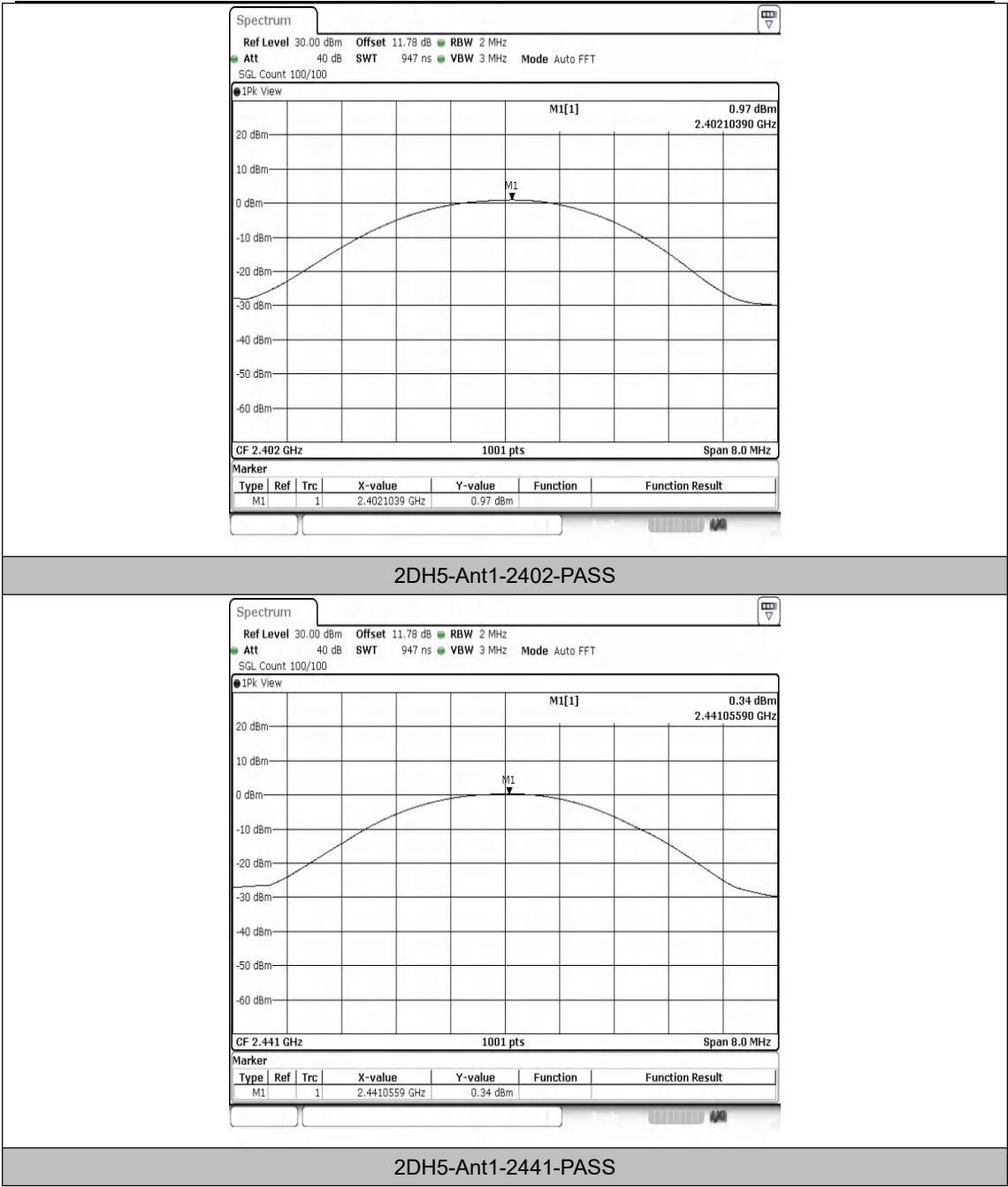
### Test Result Peak

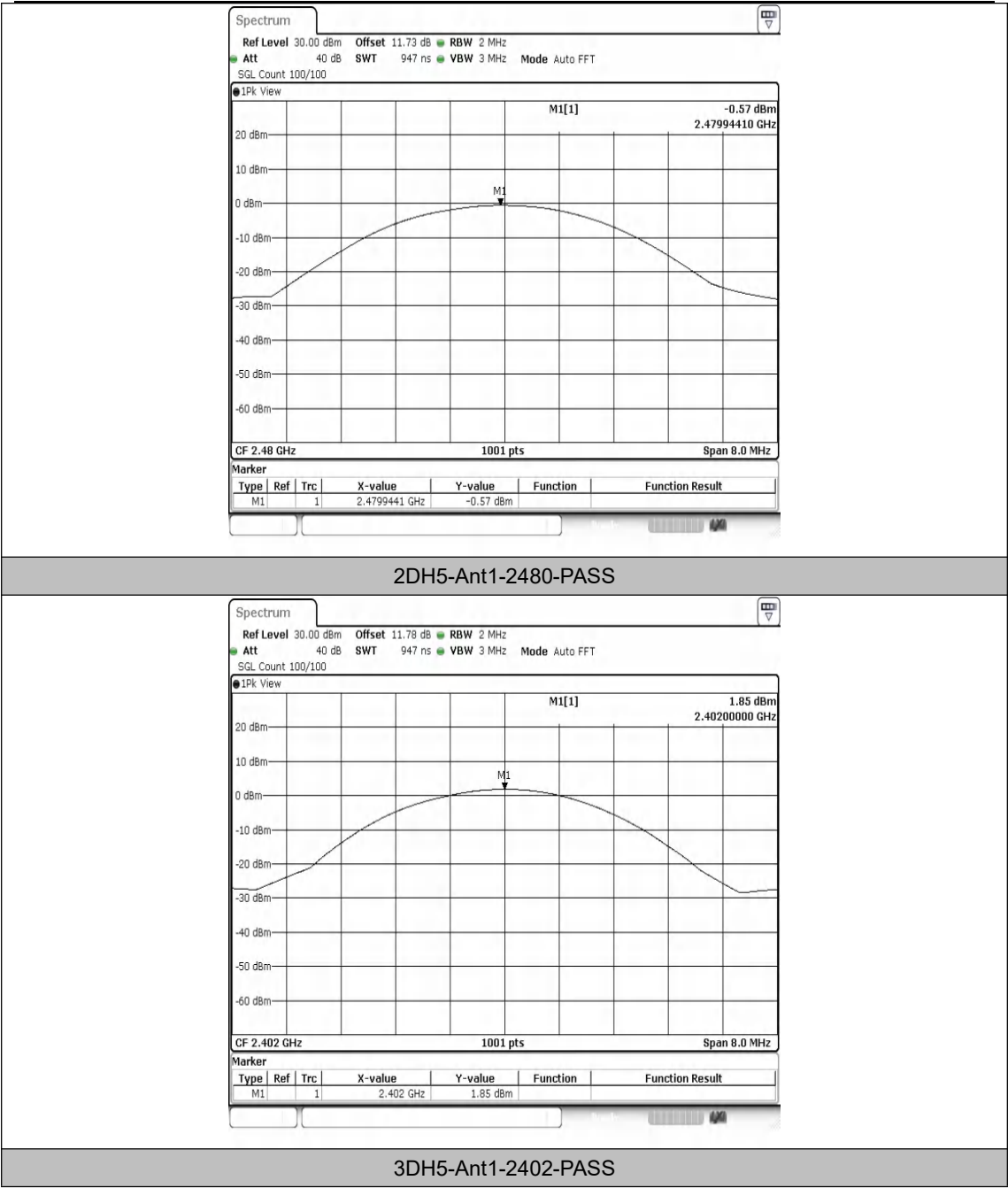
| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402           | -0.78                     | ≤30                  | PASS    |
| DH5       | Ant1    | 2441           | -1.45                     | ≤30                  | PASS    |
| DH5       | Ant1    | 2480           | -2.32                     | ≤30                  | PASS    |
| 2DH5      | Ant1    | 2402           | 0.97                      | ≤30                  | PASS    |
| 2DH5      | Ant1    | 2441           | 0.34                      | ≤30                  | PASS    |
| 2DH5      | Ant1    | 2480           | -0.57                     | ≤30                  | PASS    |
| 3DH5      | Ant1    | 2402           | 1.85                      | ≤30                  | PASS    |
| 3DH5      | Ant1    | 2441           | 1.24                      | ≤30                  | PASS    |
| 3DH5      | Ant1    | 2480           | 0.20                      | ≤30                  | PASS    |

### Test Graphs







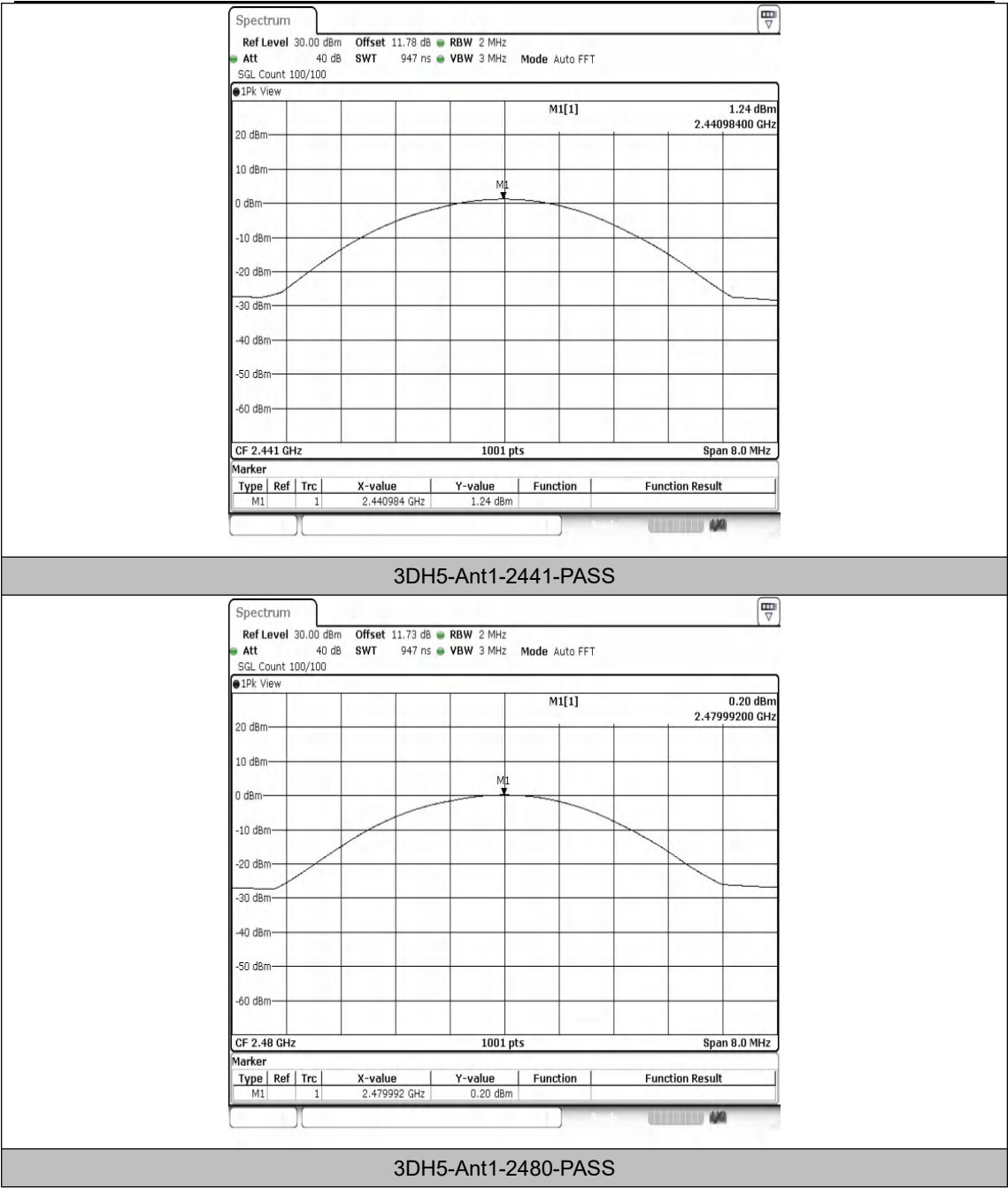


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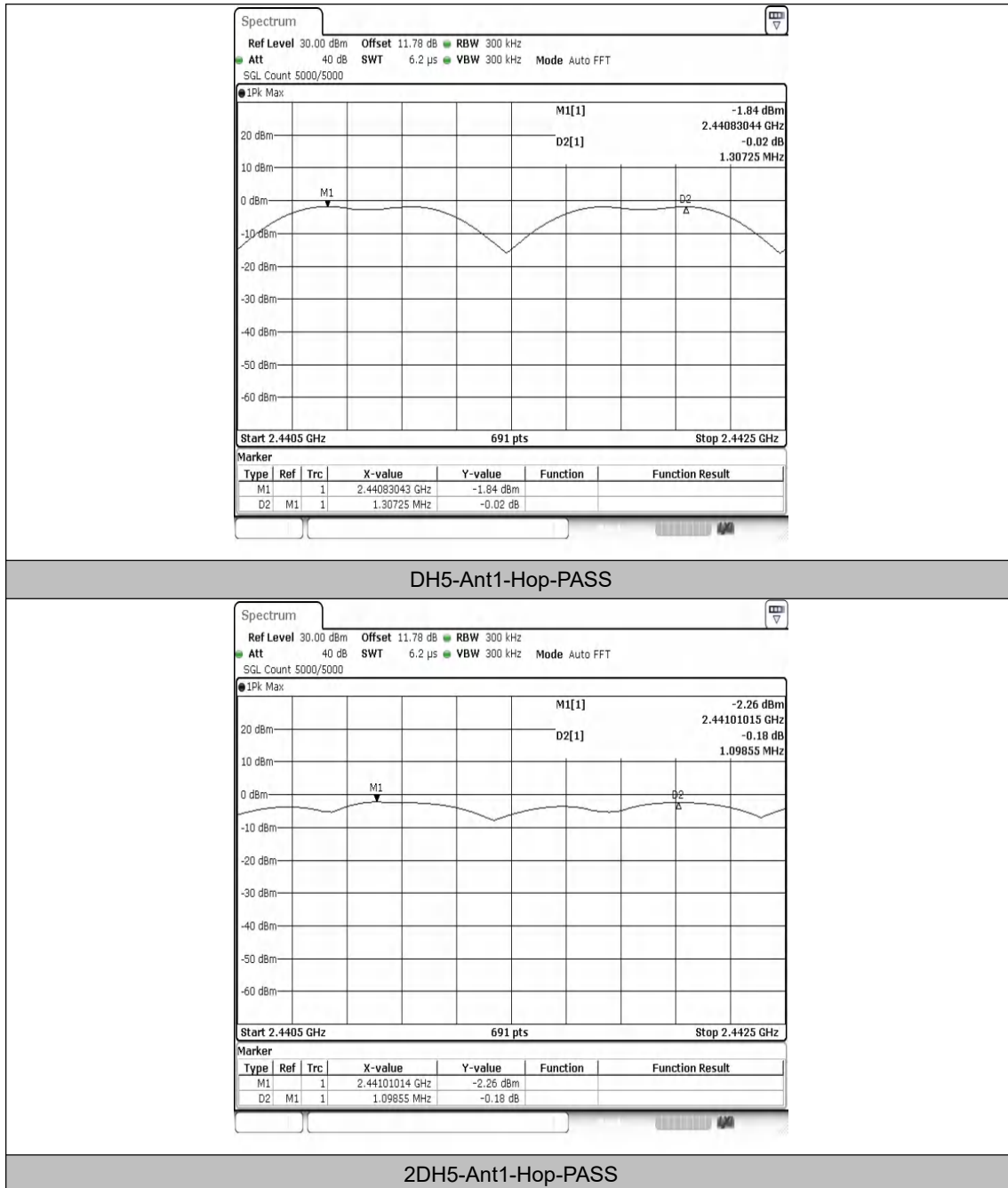
## Appendix D: Carrier frequency separation

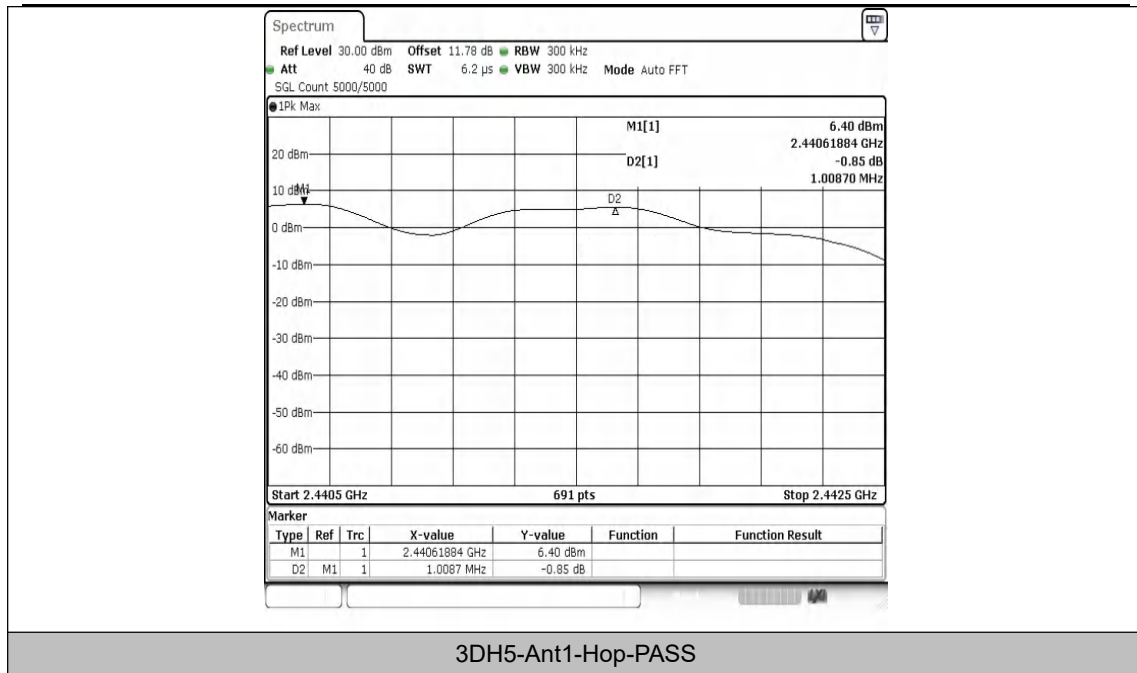
### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|----------------|-------------|--------------|---------|
| DH5      | Ant1    | Hop            | 1.307       | $\geq 0.533$ | PASS    |
| 2DH5     | Ant1    | Hop            | 1.099       | $\geq 0.867$ | PASS    |
| 3DH5     | Ant1    | Hop            | 1.009       | $\geq 0.853$ | PASS    |



## Test Graphs





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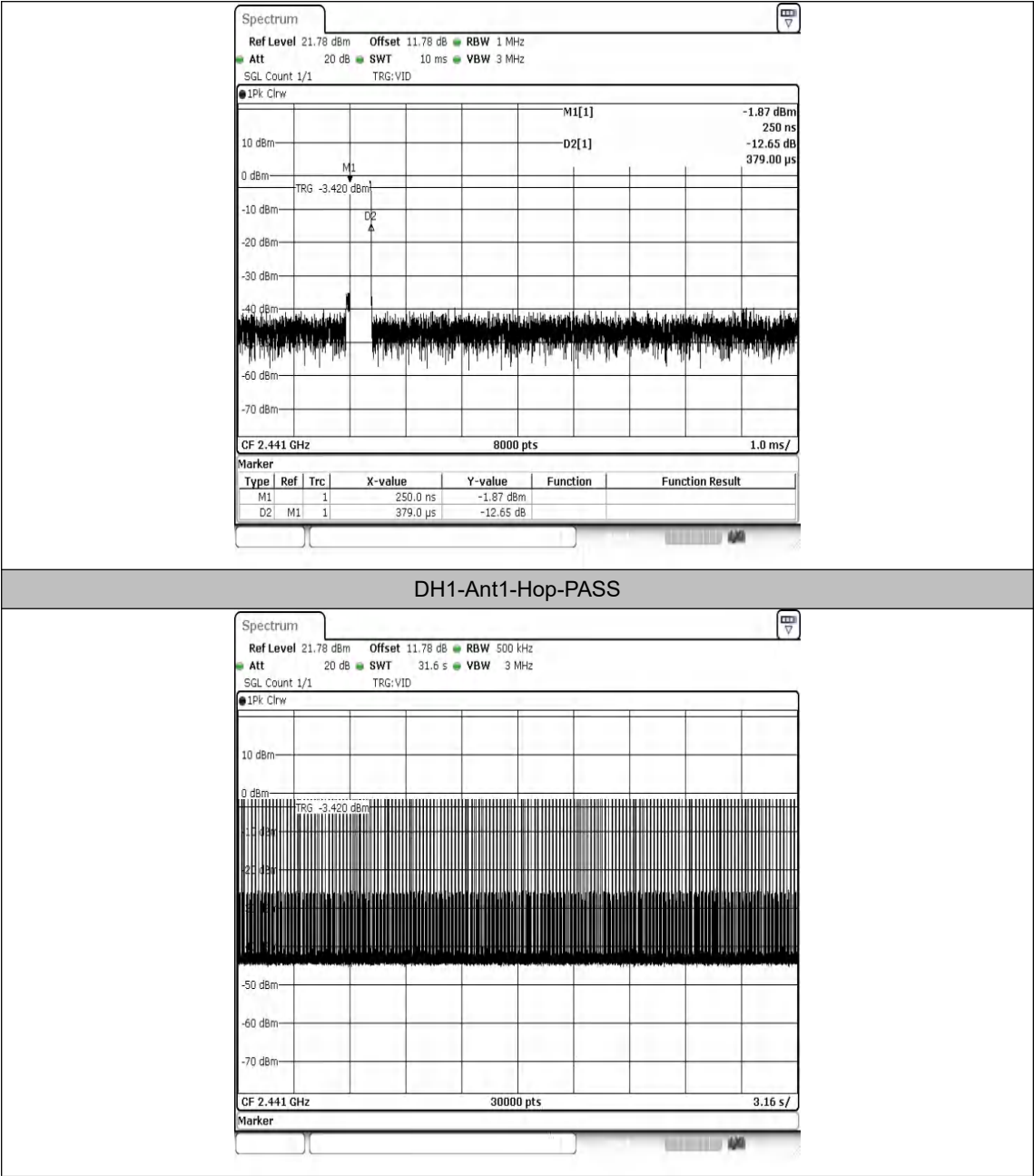
## Appendix E: Time of occupancy

### Test Result

| TestMode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|--------------------|--------------------|-----------|----------|---------|
| DH1      | Ant1    | Hop            | 0.379              | 318                | 0.121     | ≤0.4     | PASS    |
| DH3      | Ant1    | Hop            | 1.630              | 68                 | 0.111     | ≤0.4     | PASS    |
| DH5      | Ant1    | Hop            | 2.884              | 98                 | 0.283     | ≤0.4     | PASS    |
| 2DH1     | Ant1    | Hop            | 0.379              | 318                | 0.121     | ≤0.4     | PASS    |
| 2DH3     | Ant1    | Hop            | 1.634              | 56                 | 0.092     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop            | 2.888              | 115                | 0.332     | ≤0.4     | PASS    |
| 3DH1     | Ant1    | Hop            | 0.379              | 316                | 0.12      | ≤0.4     | PASS    |
| 3DH3     | Ant1    | Hop            | 1.633              | 70                 | 0.114     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop            | 2.892              | 114                | 0.33      | ≤0.4     | PASS    |



Test Graphs

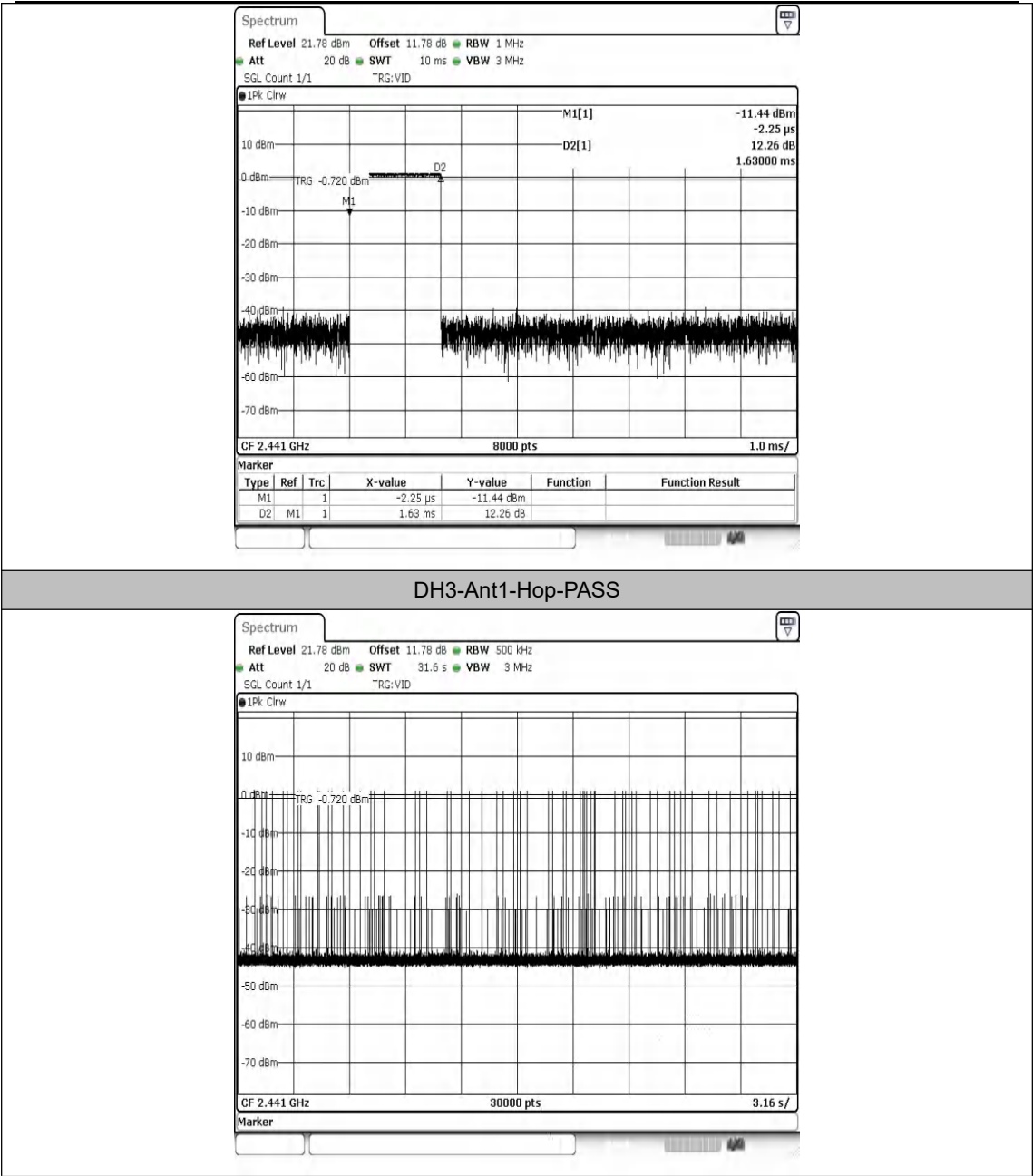


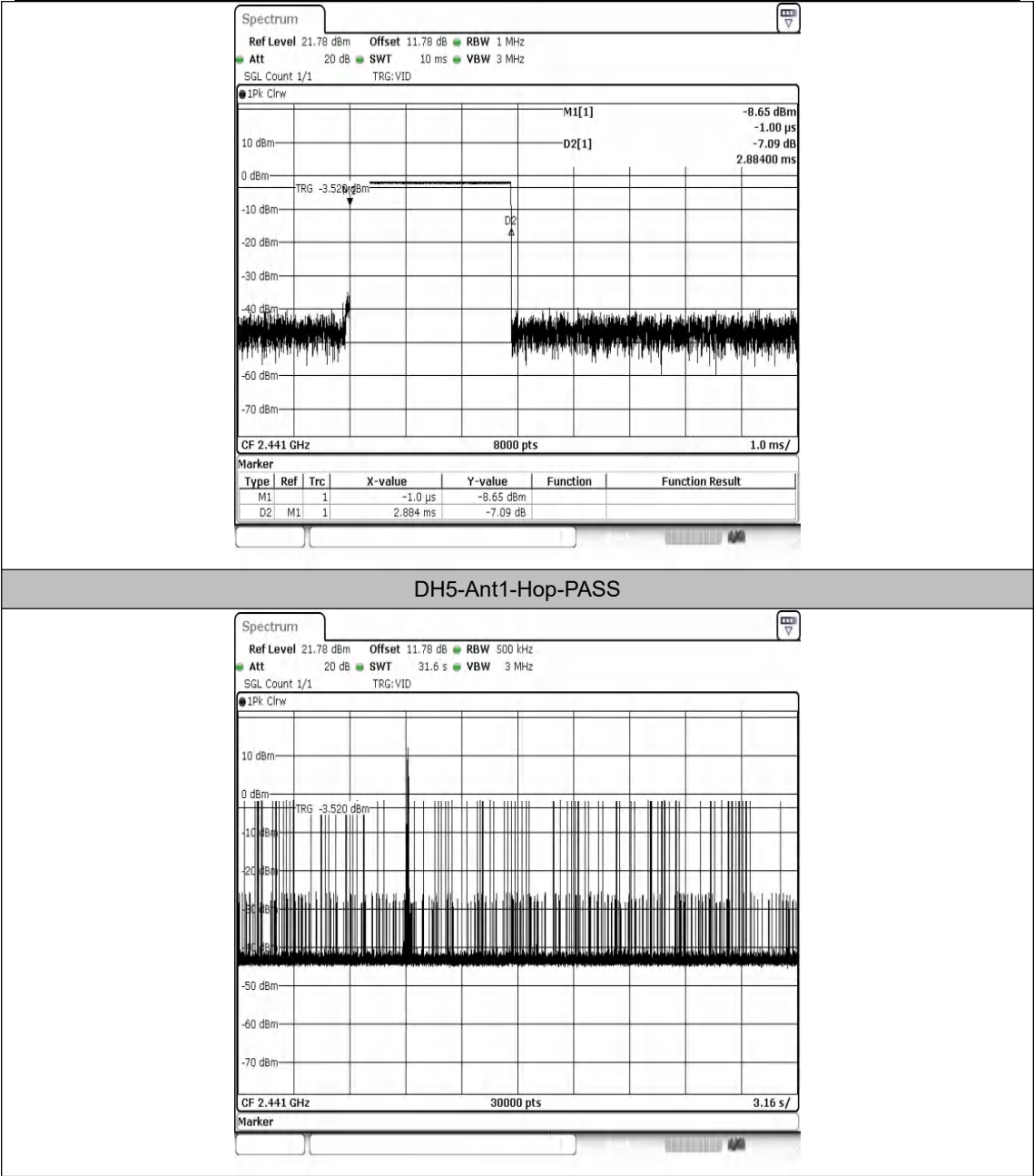
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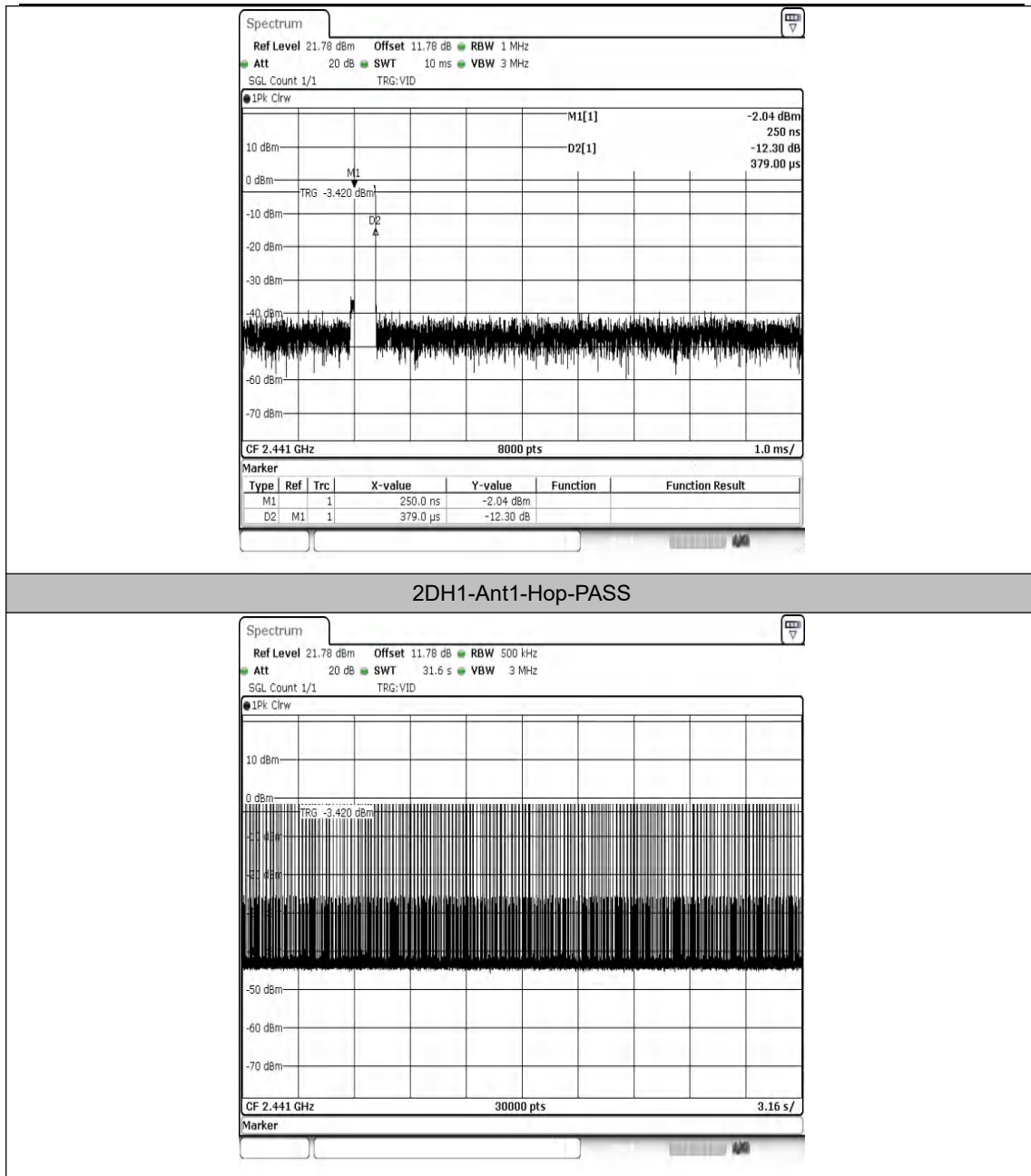
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,  
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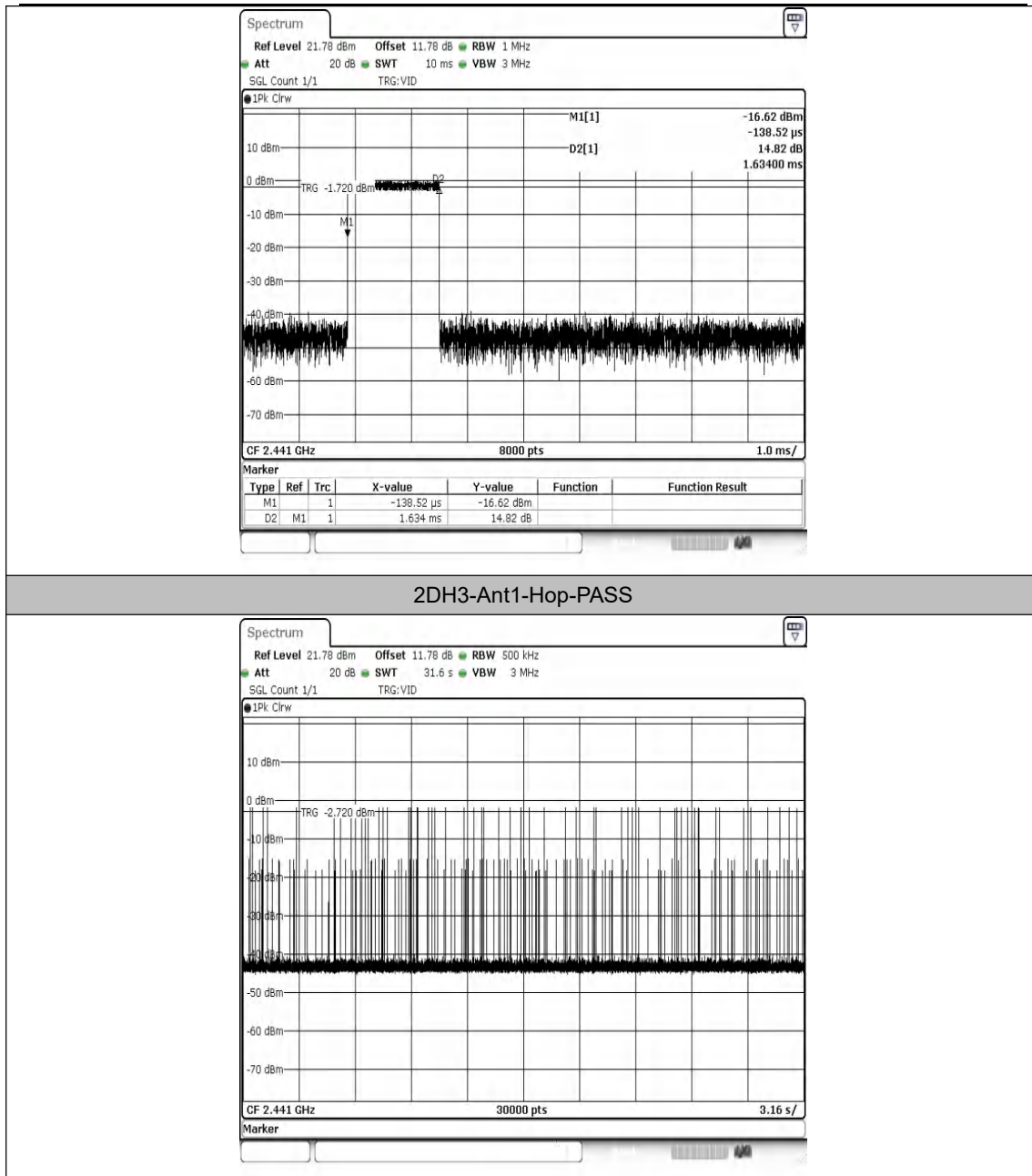


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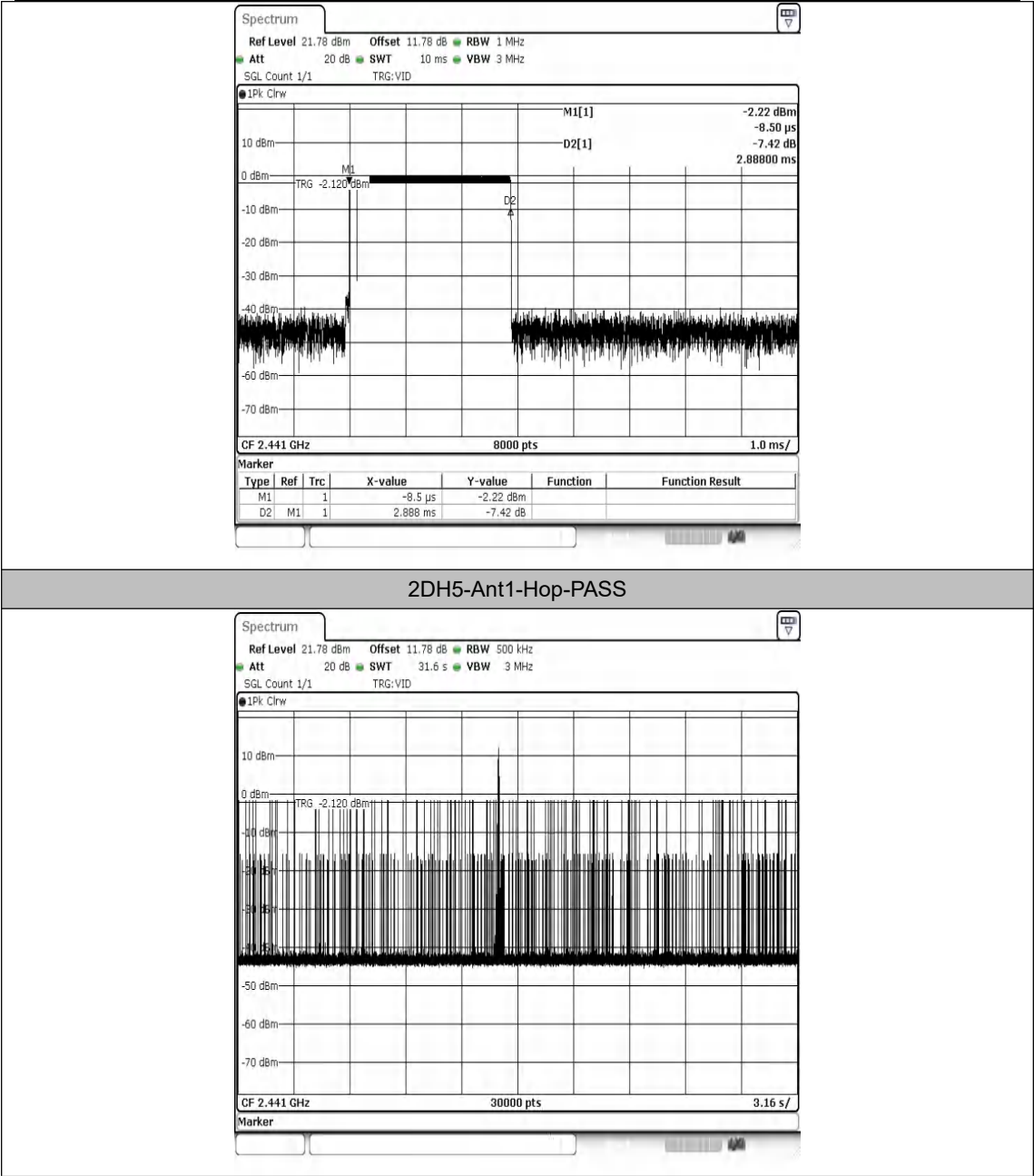


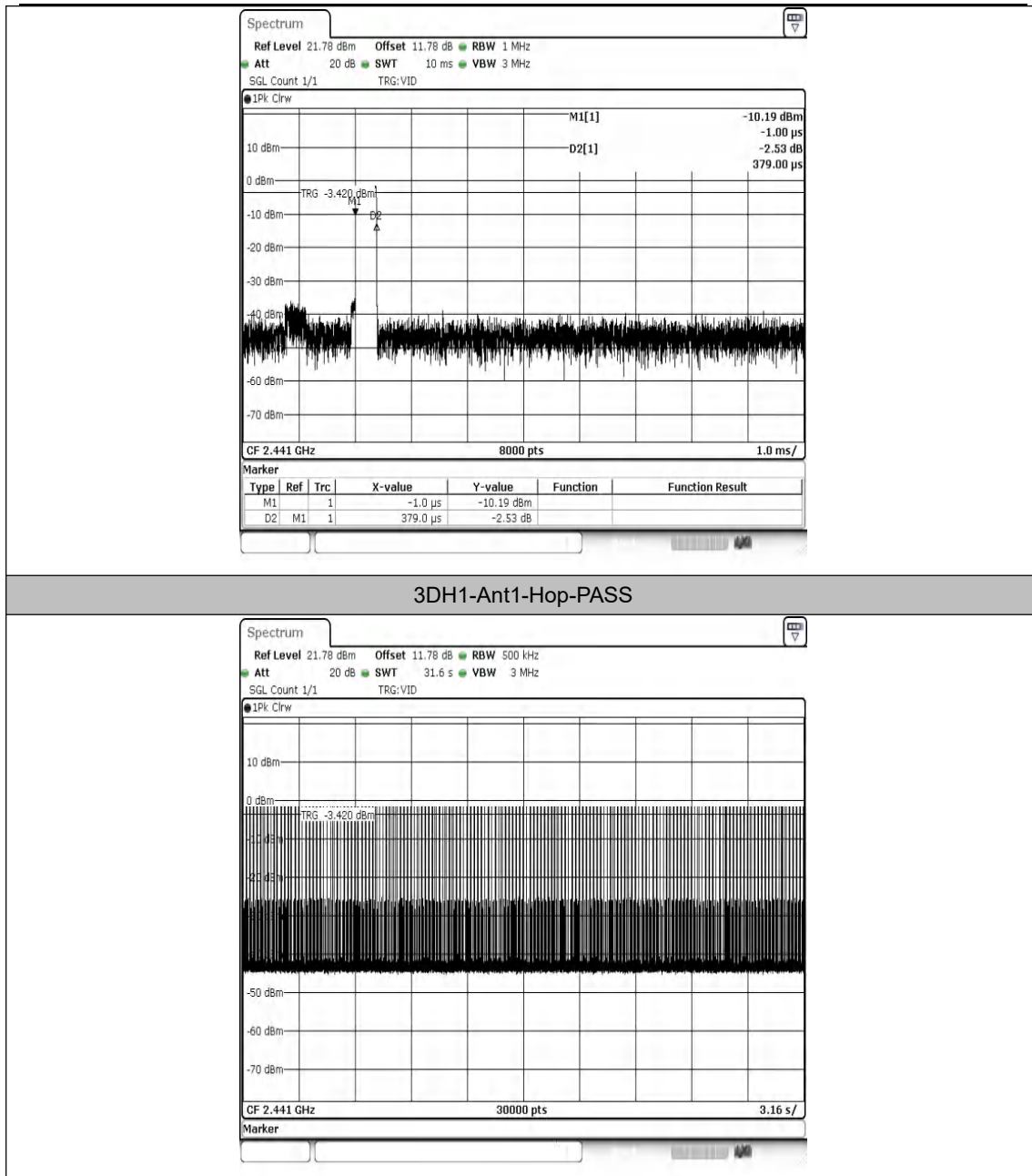
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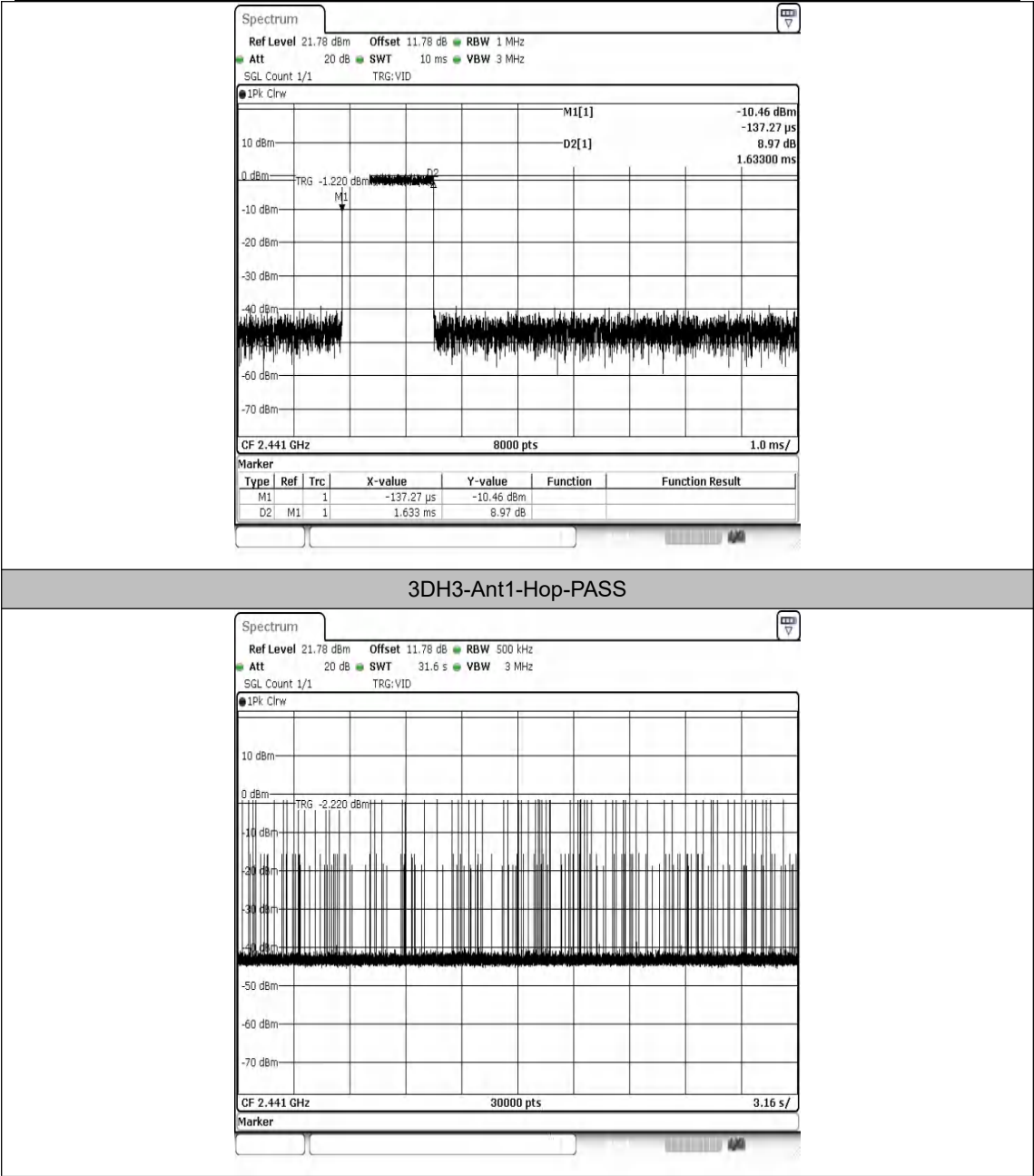


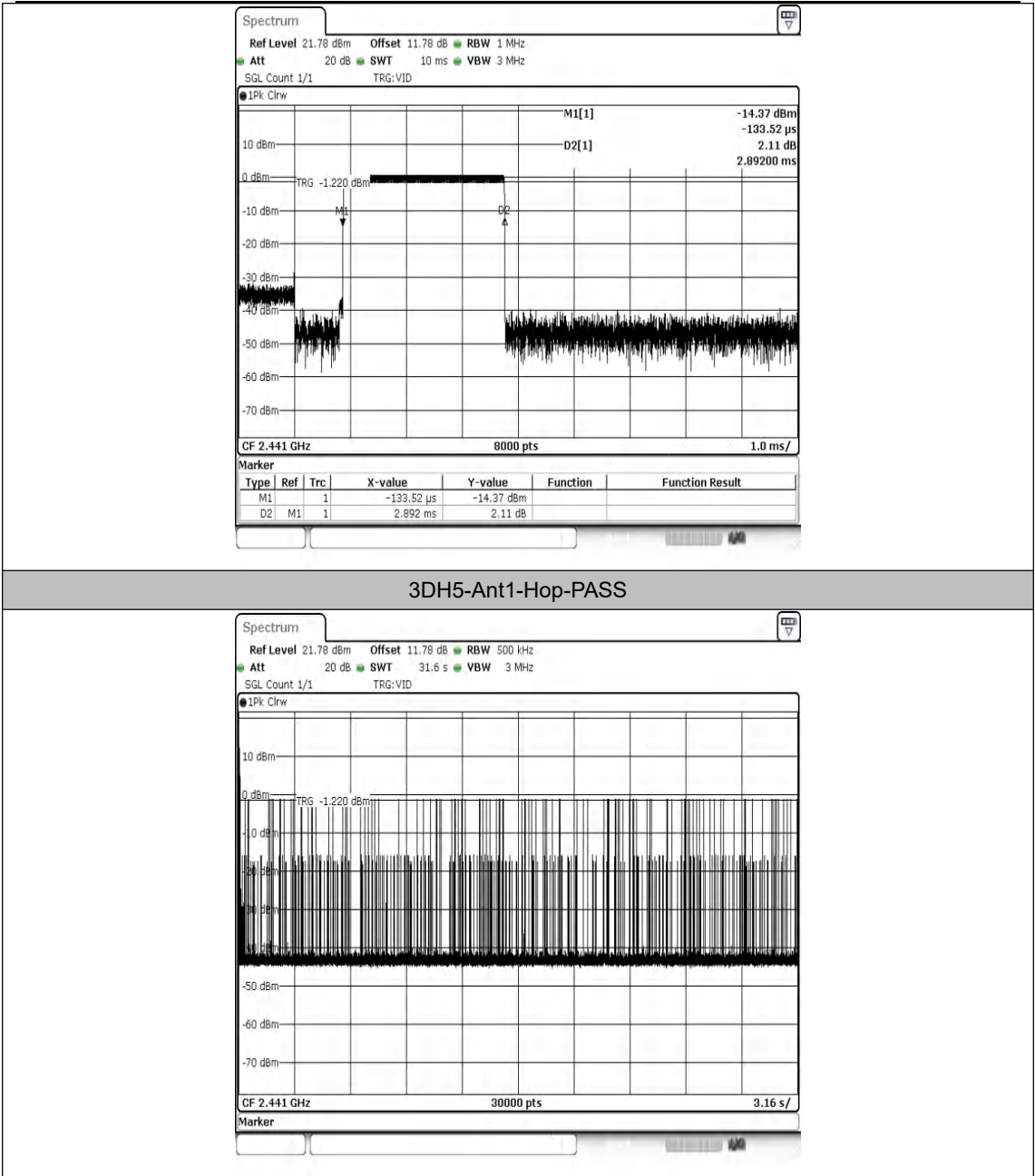
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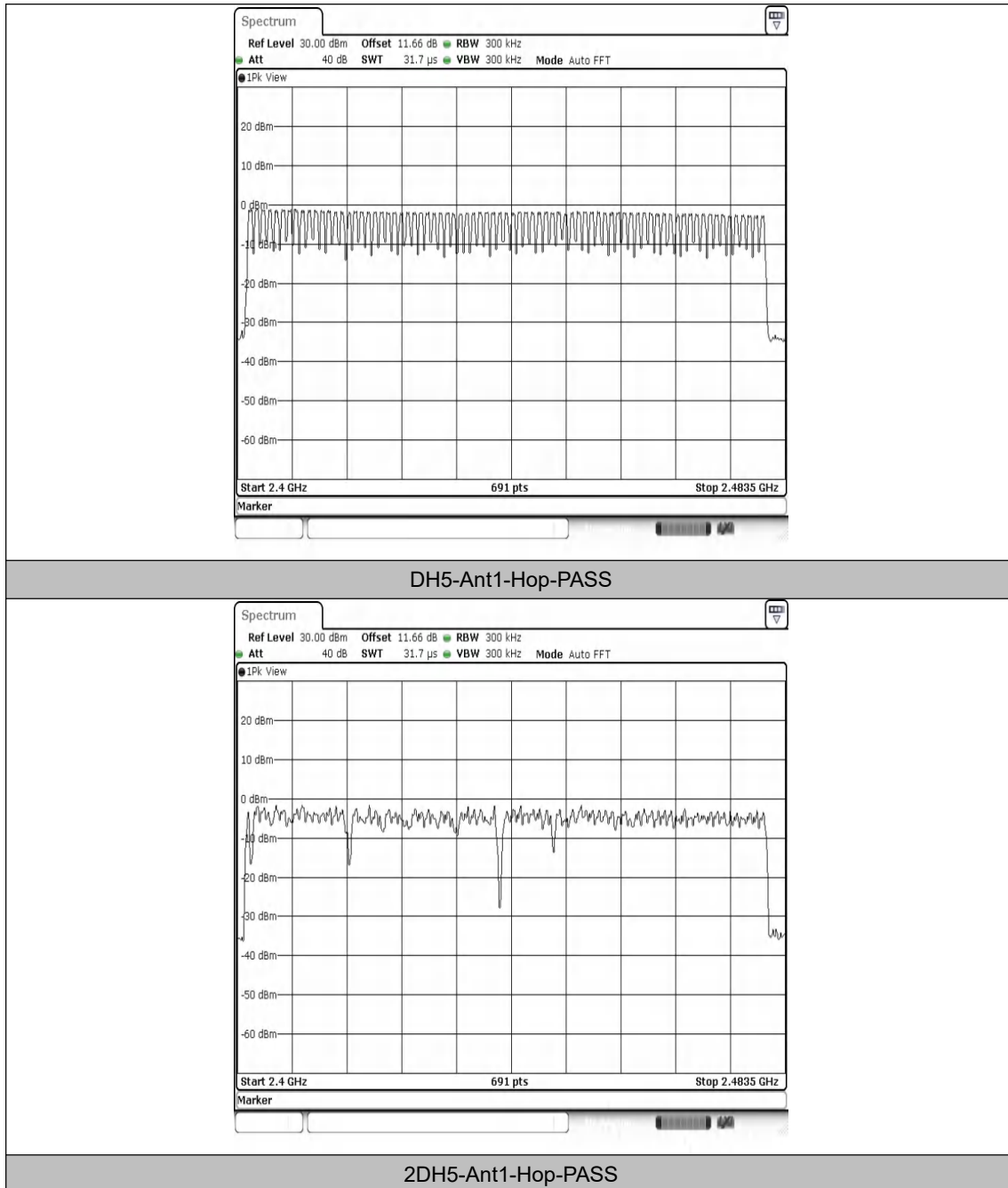
**Appendix F: Number of hopping channels**

**Test Result**

| TestMode | Antenna | Frequency[MHz] | Result[Num] | Limit[Num] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| DH5      | Ant1    | Hop            | 79          | ≥15        | PASS    |
| 2DH5     | Ant1    | Hop            | 79          | ≥15        | PASS    |
| 3DH5     | Ant1    | Hop            | 79          | ≥15        | PASS    |



## Test Graphs



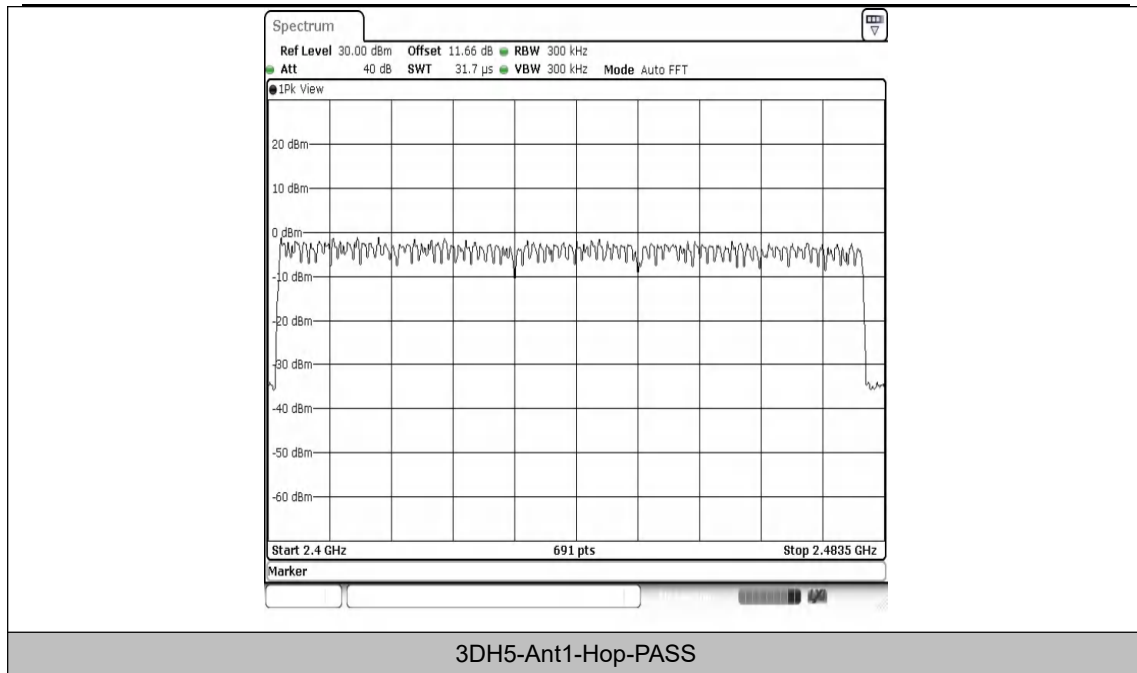
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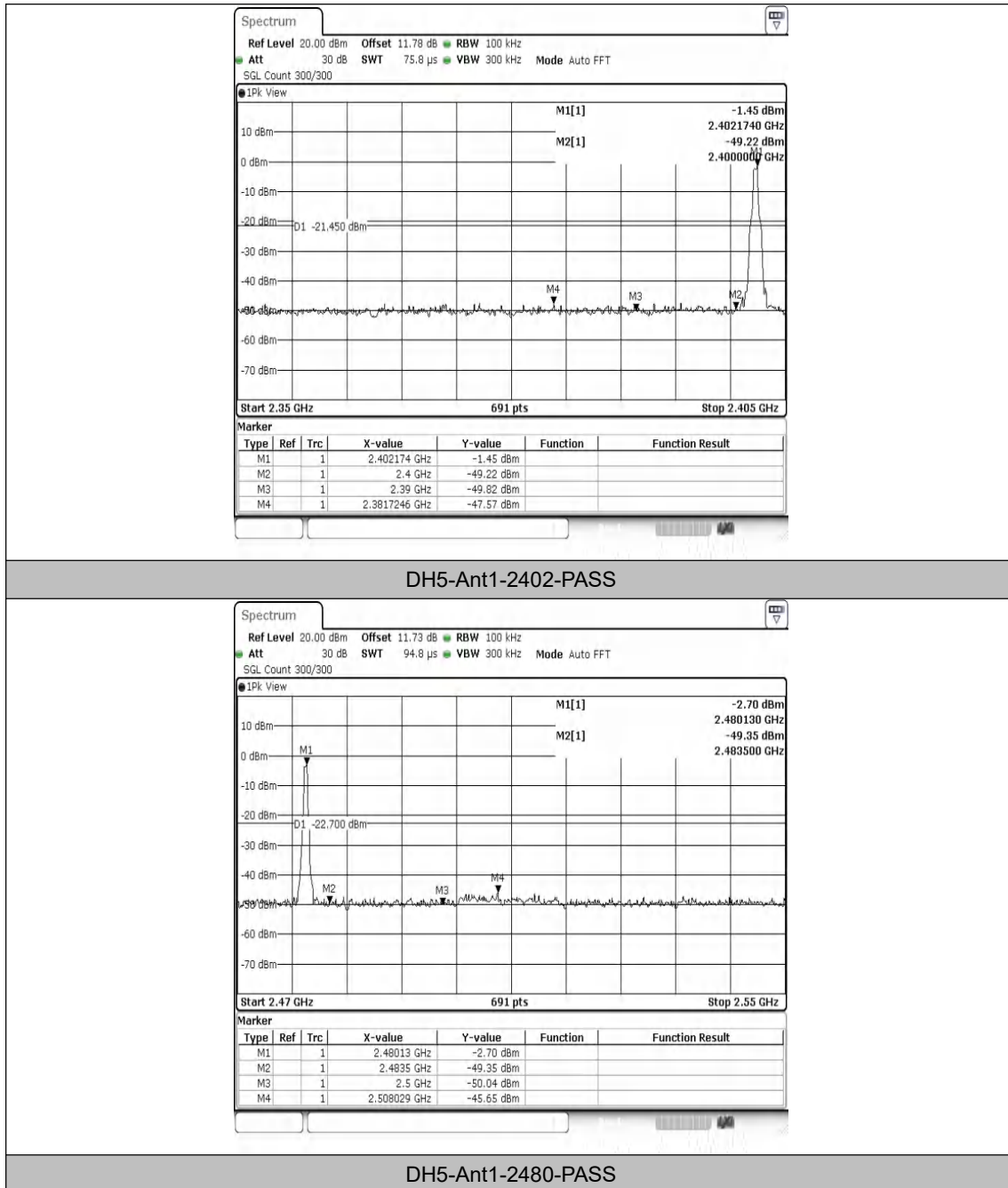
## Appendix G: Band edge measurements

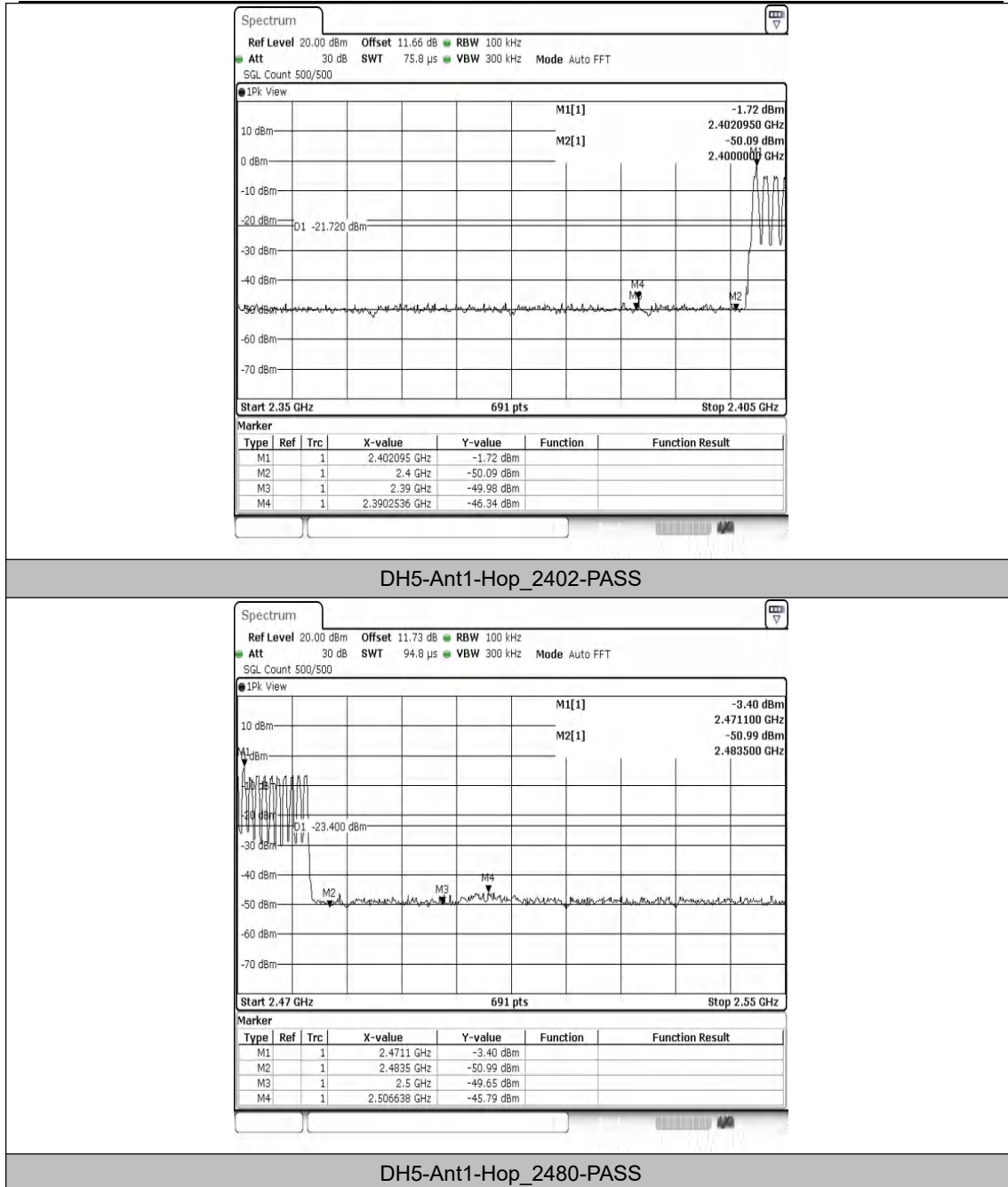
### Test Result

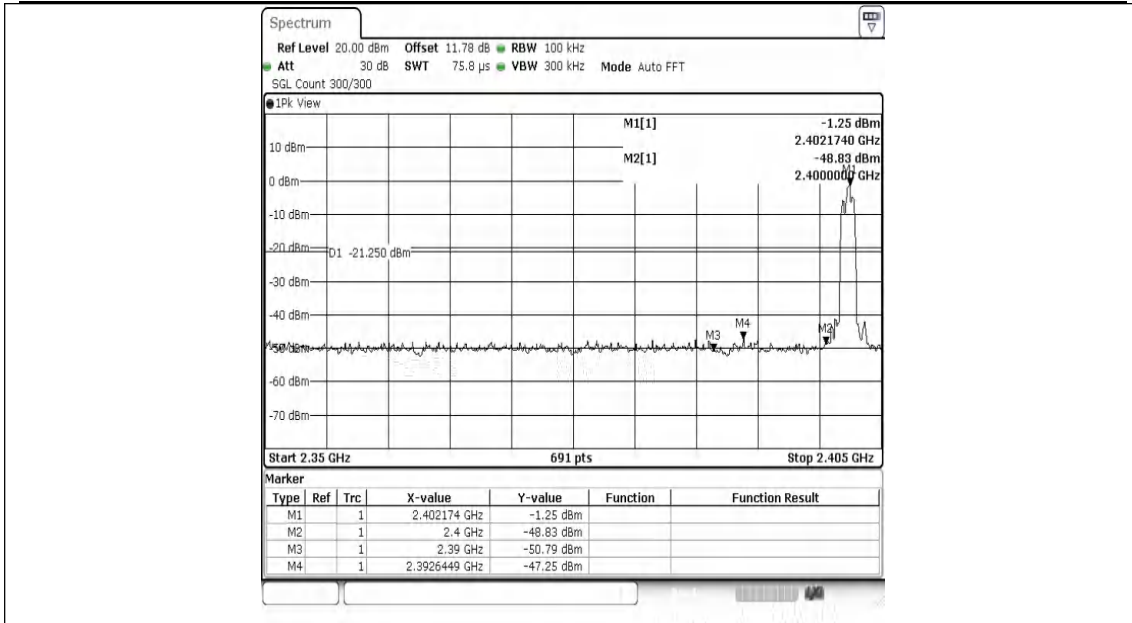
| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | Low    | 2402           | -1.45          | -47.57       | ≤-21.45     | PASS    |
| DH5      | Ant1    | High   | 2480           | -2.70          | -45.65       | ≤-22.7      | PASS    |
| DH5      | Ant1    | Low    | Hop_2402       | -1.72          | -46.34       | ≤-21.72     | PASS    |
| DH5      | Ant1    | High   | Hop_2480       | -3.40          | -45.79       | ≤-23.4      | PASS    |
| 2DH5     | Ant1    | Low    | 2402           | -1.25          | -47.25       | ≤-21.25     | PASS    |
| 2DH5     | Ant1    | High   | 2480           | -2.99          | -46.34       | ≤-22.99     | PASS    |
| 2DH5     | Ant1    | Low    | Hop_2402       | -6.52          | -46.4        | ≤-26.52     | PASS    |
| 2DH5     | Ant1    | High   | Hop_2480       | -4.10          | -45.83       | ≤-24.1      | PASS    |
| 3DH5     | Ant1    | Low    | 2402           | -1.72          | -47.31       | ≤-21.72     | PASS    |
| 3DH5     | Ant1    | High   | 2480           | -2.62          | -45.48       | ≤-22.62     | PASS    |
| 3DH5     | Ant1    | Low    | Hop_2402       | -3.77          | -47.75       | ≤-23.77     | PASS    |
| 3DH5     | Ant1    | High   | Hop_2480       | -2.88          | -45.93       | ≤-22.88     | PASS    |



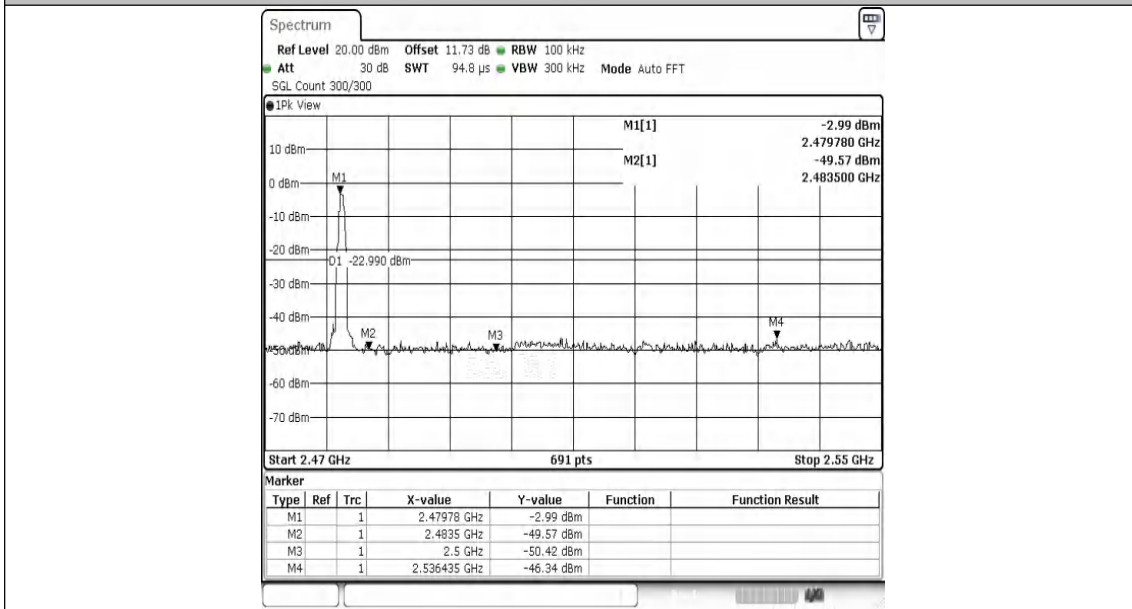
## Test Graphs





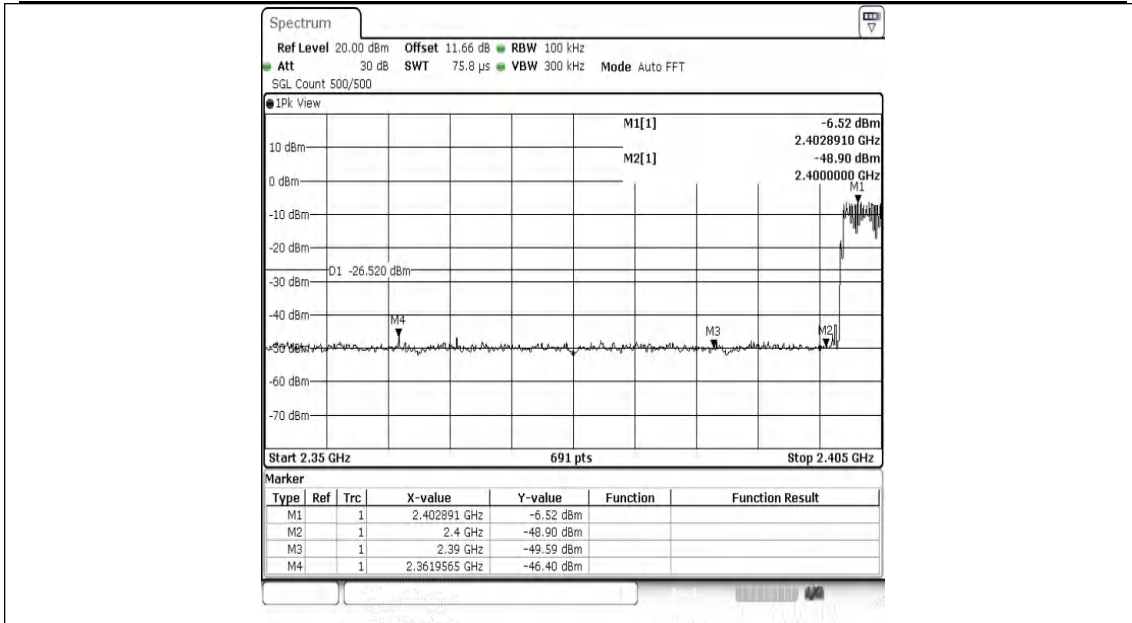


2DH5-Ant1-2402-PASS

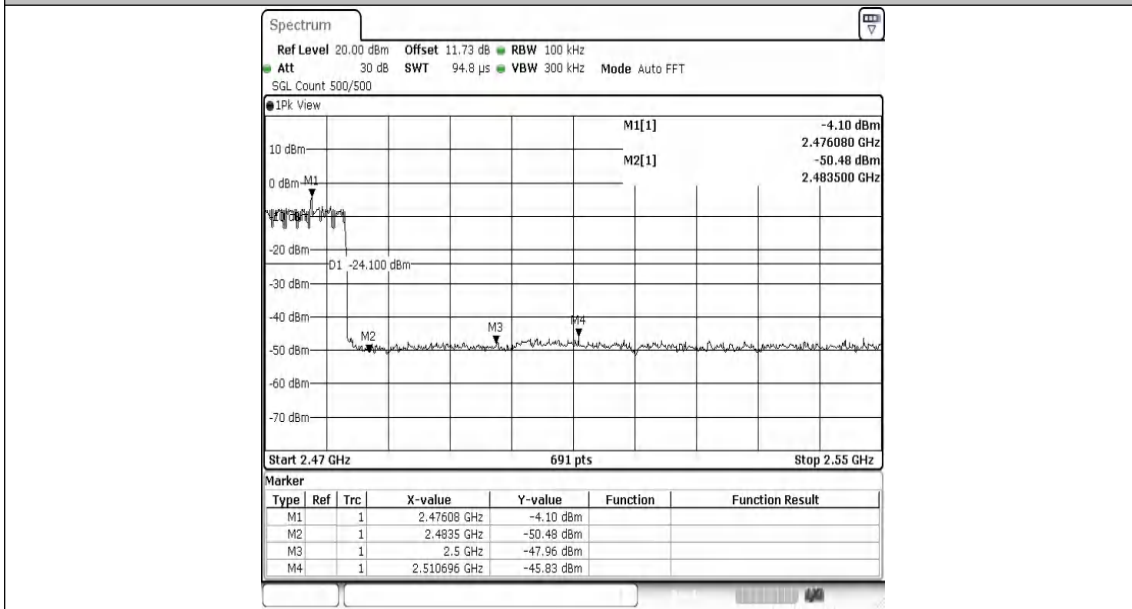


2DH5-Ant1-2480-PASS



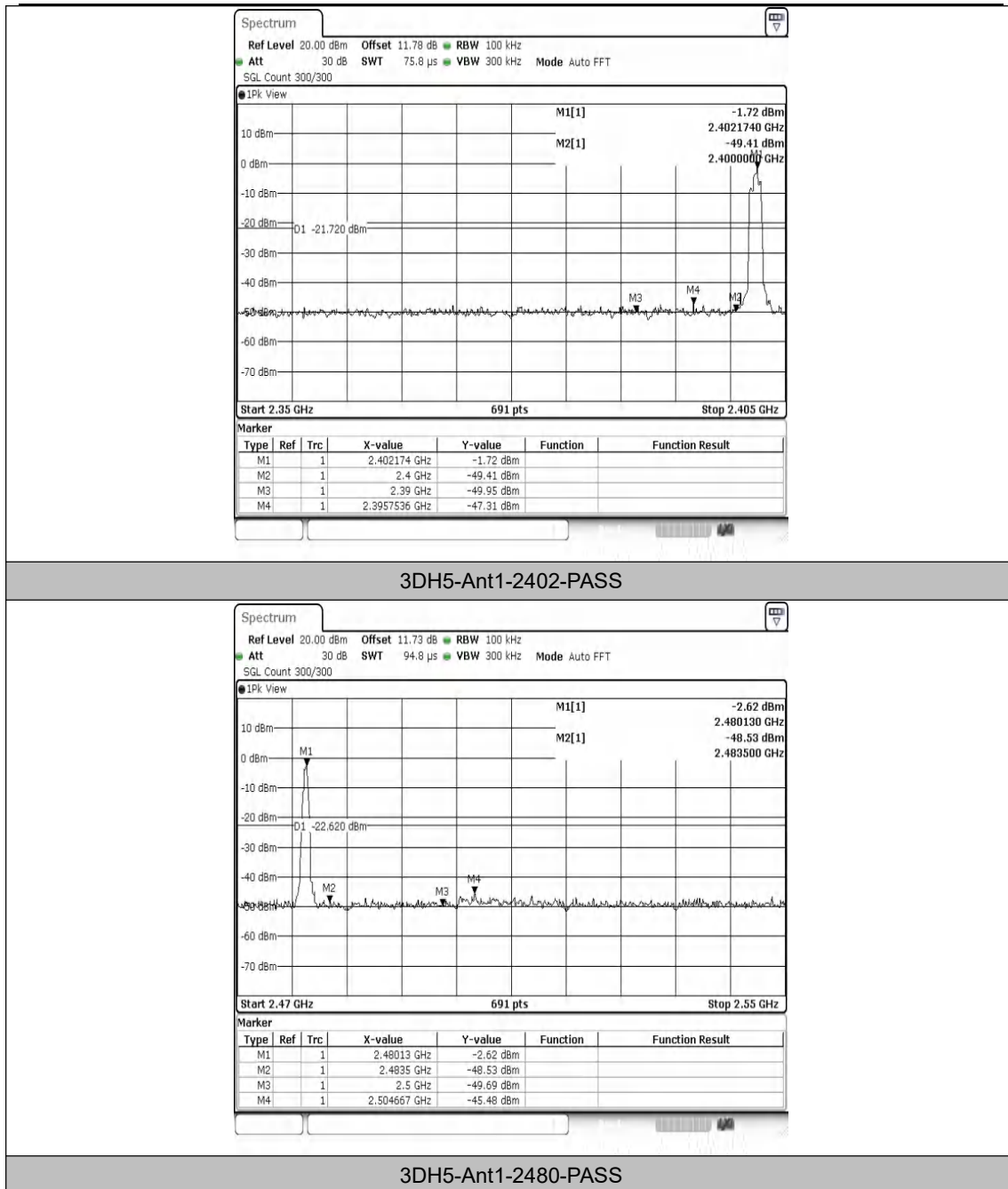


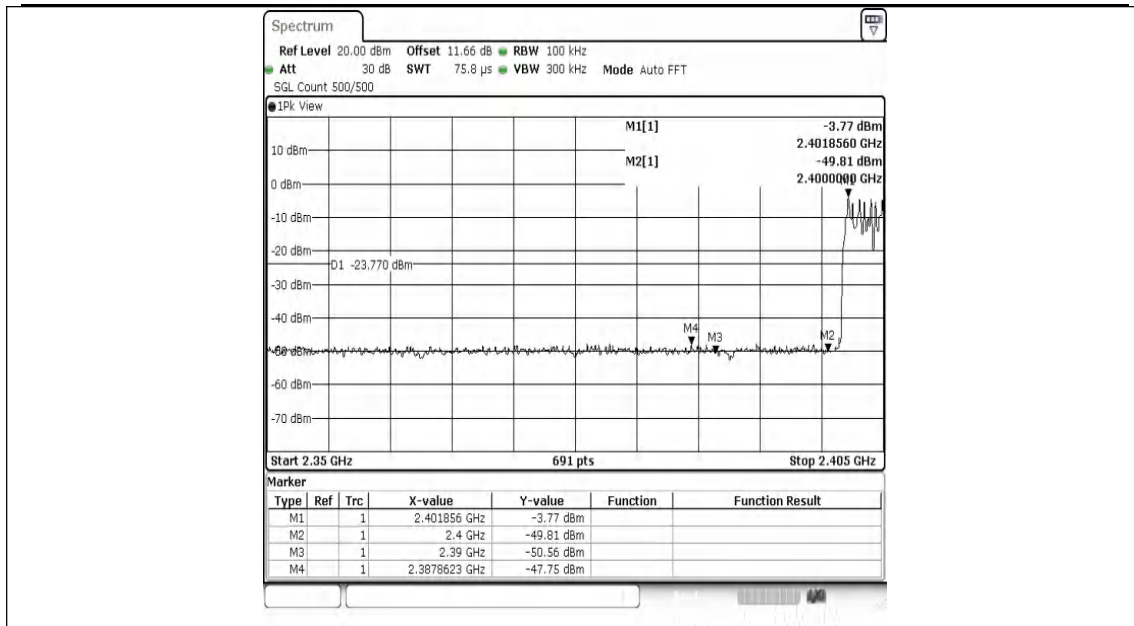
2DH5-Ant1-Hop\_2402-PASS



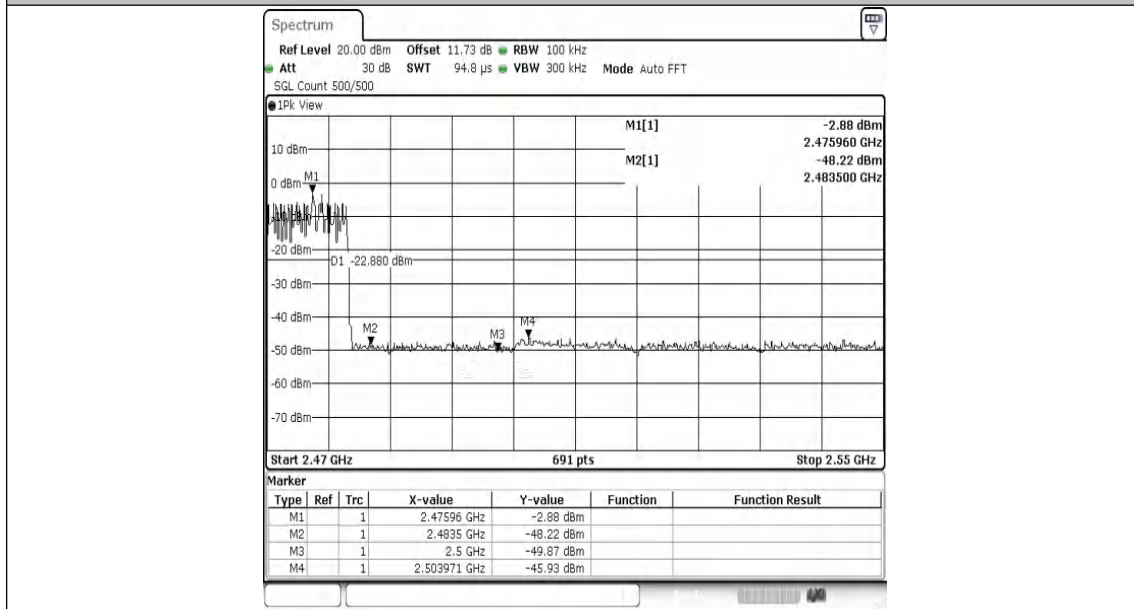
2DH5-Ant1-Hop\_2480-PASS







3DH5-Ant1-Hop\_2402-PASS



3DH5-Ant1-Hop\_2480-PASS



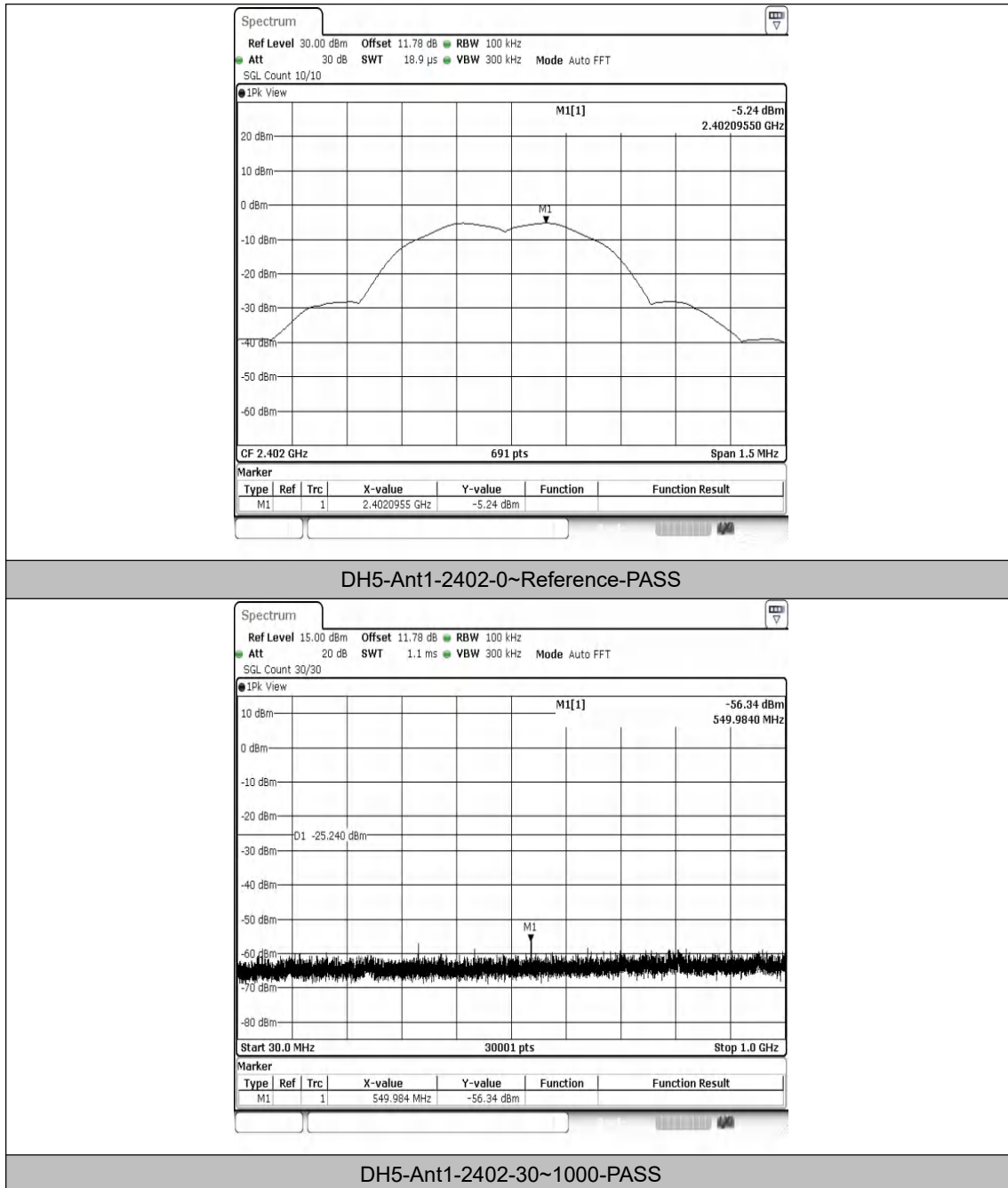
## Appendix H: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402           | 0~Reference     | -5.24          | -5.24        | ---         | PASS    |
| DH5      | Ant1    | 2402           | 30~1000         | -5.24          | -56.34       | ≤-25.24     | PASS    |
| DH5      | Ant1    | 2402           | 1000~26500      | -5.24          | -44.16       | ≤-25.24     | PASS    |
| DH5      | Ant1    | 2441           | 0~Reference     | -6.08          | -6.08        | ---         | PASS    |
| DH5      | Ant1    | 2441           | 30~1000         | -6.08          | -56.5        | ≤-26.08     | PASS    |
| DH5      | Ant1    | 2441           | 1000~26500      | -6.08          | -44.14       | ≤-26.08     | PASS    |
| DH5      | Ant1    | 2480           | 0~Reference     | -6.88          | -6.88        | ---         | PASS    |
| DH5      | Ant1    | 2480           | 30~1000         | -6.88          | -56.13       | ≤-26.88     | PASS    |
| DH5      | Ant1    | 2480           | 1000~26500      | -6.88          | -44.07       | ≤-26.88     | PASS    |
| 2DH5     | Ant1    | 2402           | 0~Reference     | -4.40          | -4.40        | ---         | PASS    |
| 2DH5     | Ant1    | 2402           | 30~1000         | -4.40          | -56.67       | ≤-24.4      | PASS    |
| 2DH5     | Ant1    | 2402           | 1000~26500      | -4.40          | -43.39       | ≤-24.4      | PASS    |
| 2DH5     | Ant1    | 2441           | 0~Reference     | -7.21          | -7.21        | ---         | PASS    |
| 2DH5     | Ant1    | 2441           | 30~1000         | -7.21          | -56.8        | ≤-27.21     | PASS    |
| 2DH5     | Ant1    | 2441           | 1000~26500      | -7.21          | -44.32       | ≤-27.21     | PASS    |
| 2DH5     | Ant1    | 2480           | 0~Reference     | -8.13          | -8.13        | ---         | PASS    |
| 2DH5     | Ant1    | 2480           | 30~1000         | -8.13          | -56.48       | ≤-28.13     | PASS    |
| 2DH5     | Ant1    | 2480           | 1000~26500      | -8.13          | -44.08       | ≤-28.13     | PASS    |
| 3DH5     | Ant1    | 2402           | 0~Reference     | -4.69          | -4.69        | ---         | PASS    |
| 3DH5     | Ant1    | 2402           | 30~1000         | -4.69          | -56.08       | ≤-24.69     | PASS    |
| 3DH5     | Ant1    | 2402           | 1000~26500      | -4.69          | -43.77       | ≤-24.69     | PASS    |
| 3DH5     | Ant1    | 2441           | 0~Reference     | -3.28          | -3.28        | ---         | PASS    |
| 3DH5     | Ant1    | 2441           | 30~1000         | -3.28          | -56.52       | ≤-23.28     | PASS    |
| 3DH5     | Ant1    | 2441           | 1000~26500      | -3.28          | -44.07       | ≤-23.28     | PASS    |
| 3DH5     | Ant1    | 2480           | 0~Reference     | -3.90          | -3.90        | ---         | PASS    |
| 3DH5     | Ant1    | 2480           | 30~1000         | -3.90          | -56.62       | ≤-23.9      | PASS    |
| 3DH5     | Ant1    | 2480           | 1000~26500      | -3.90          | -44.08       | ≤-23.9      | PASS    |



## Test Graphs

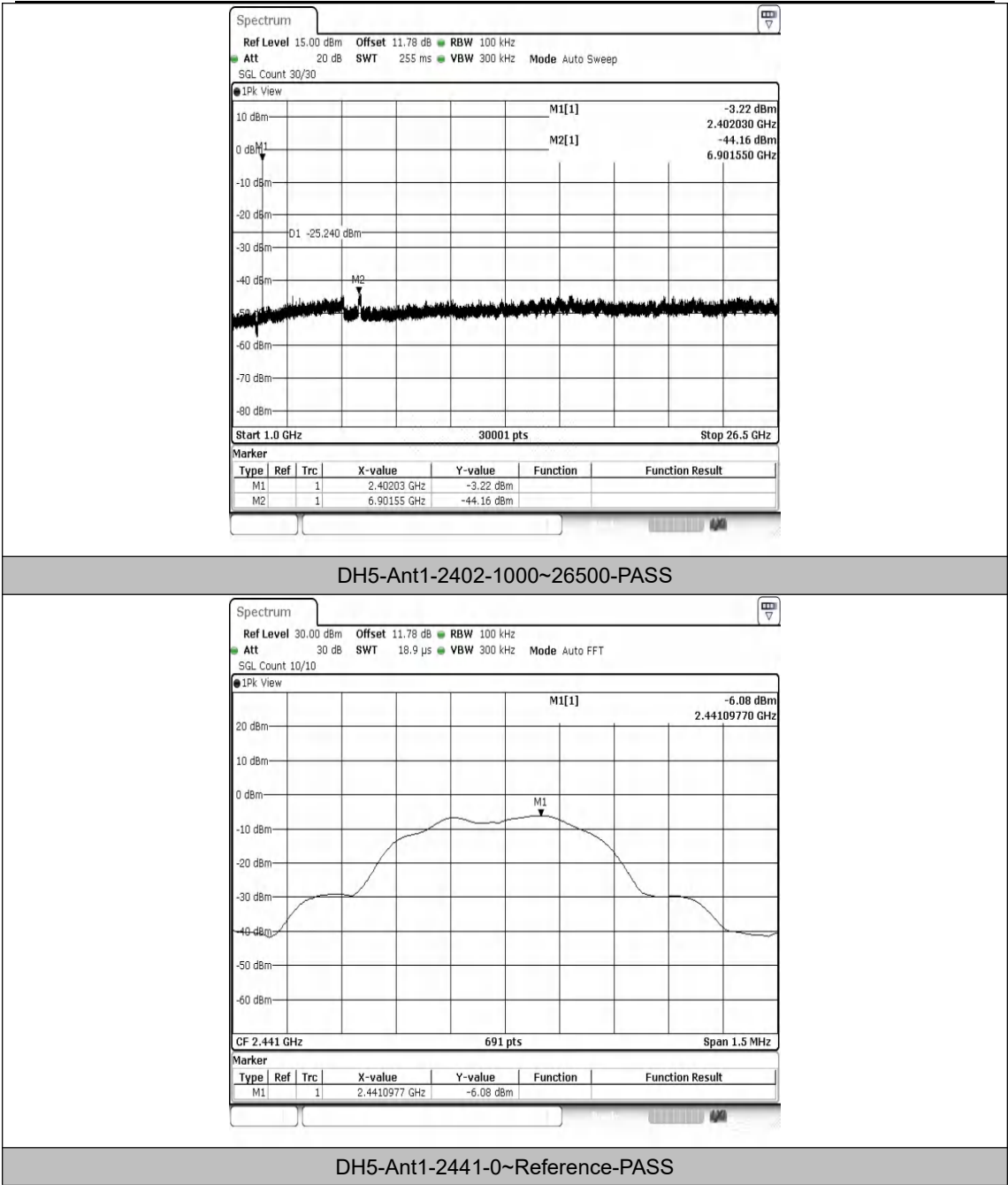


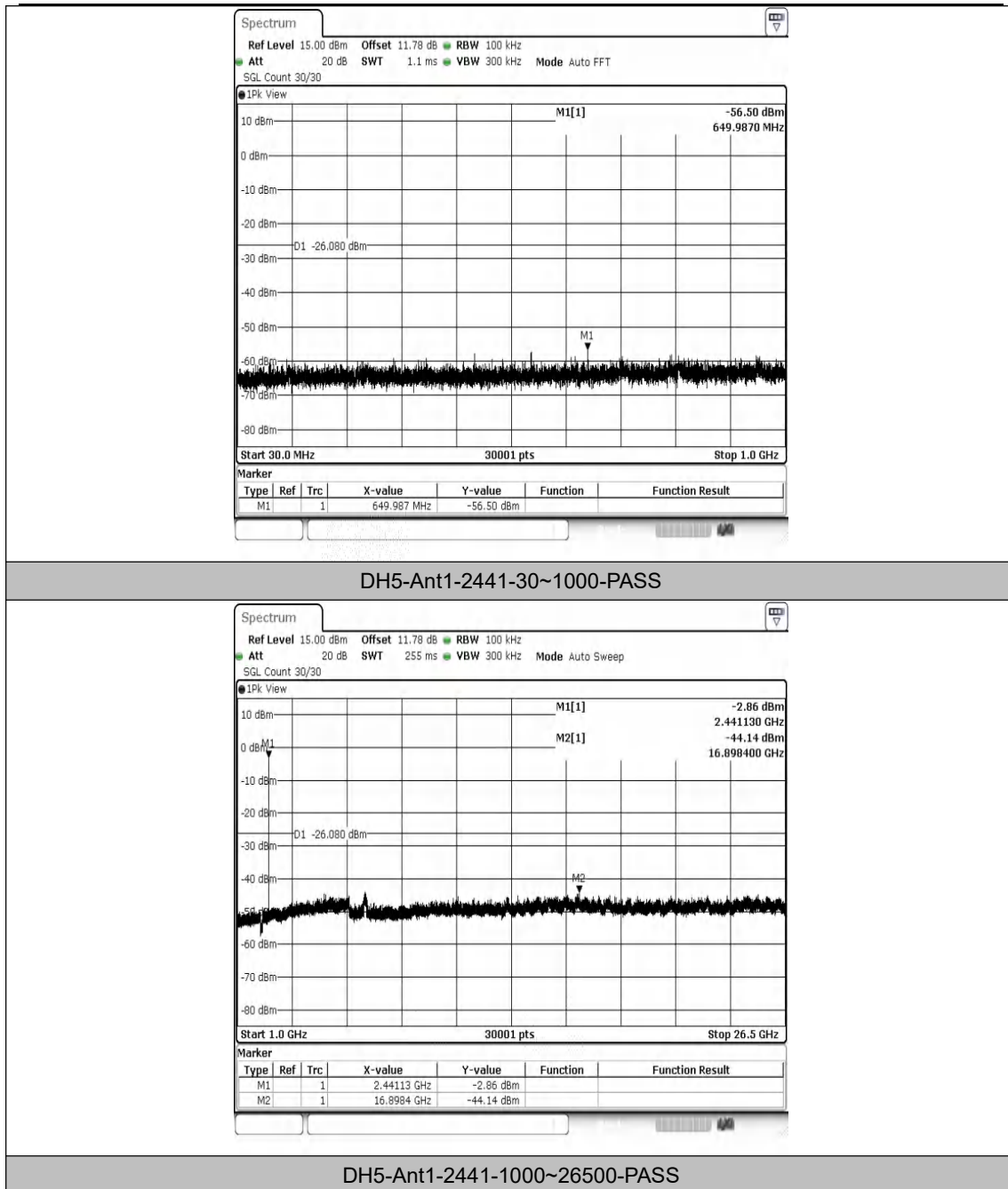
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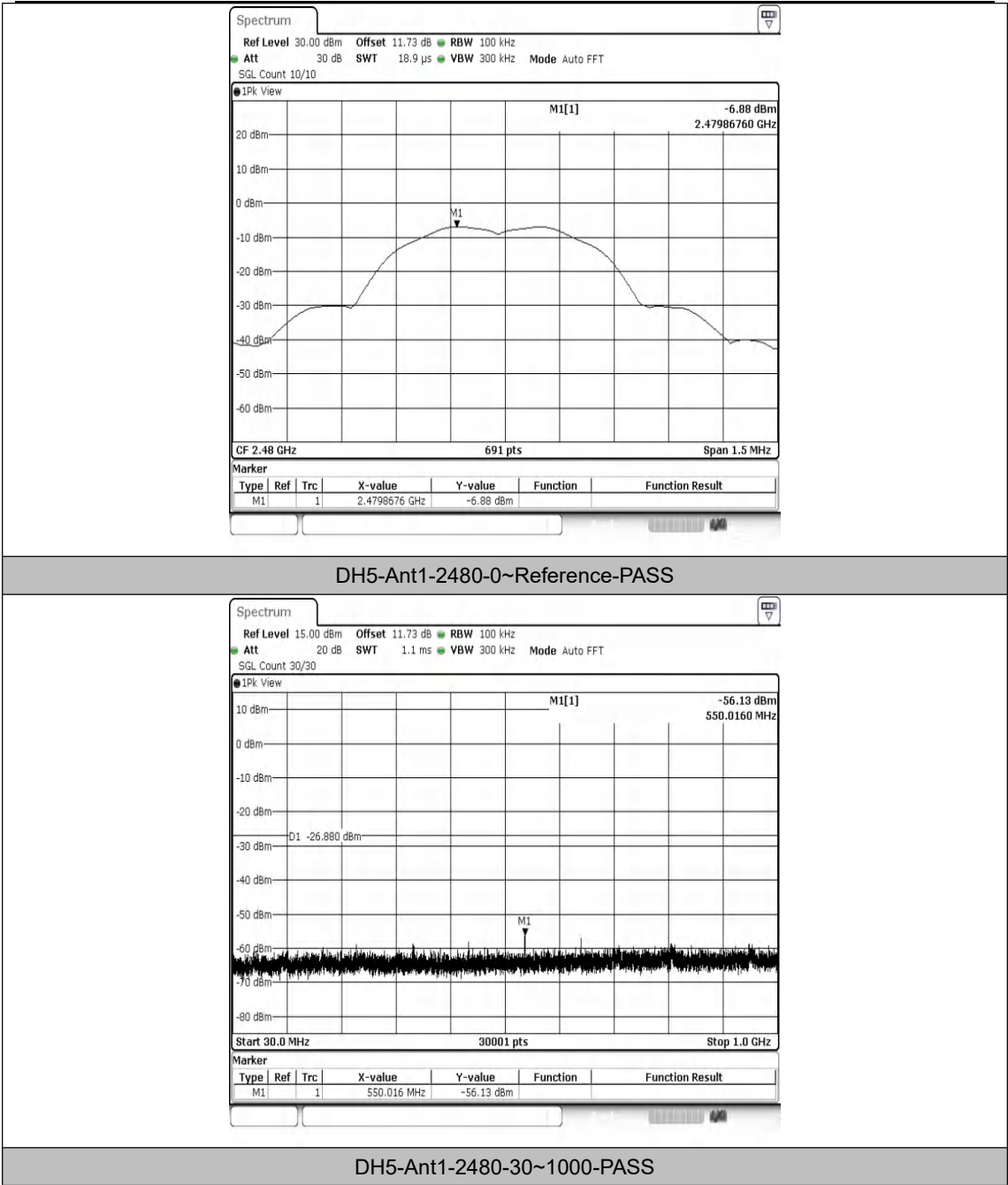
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China  
Tel: (86) 0755-26066440 Email: service@anbotek.com

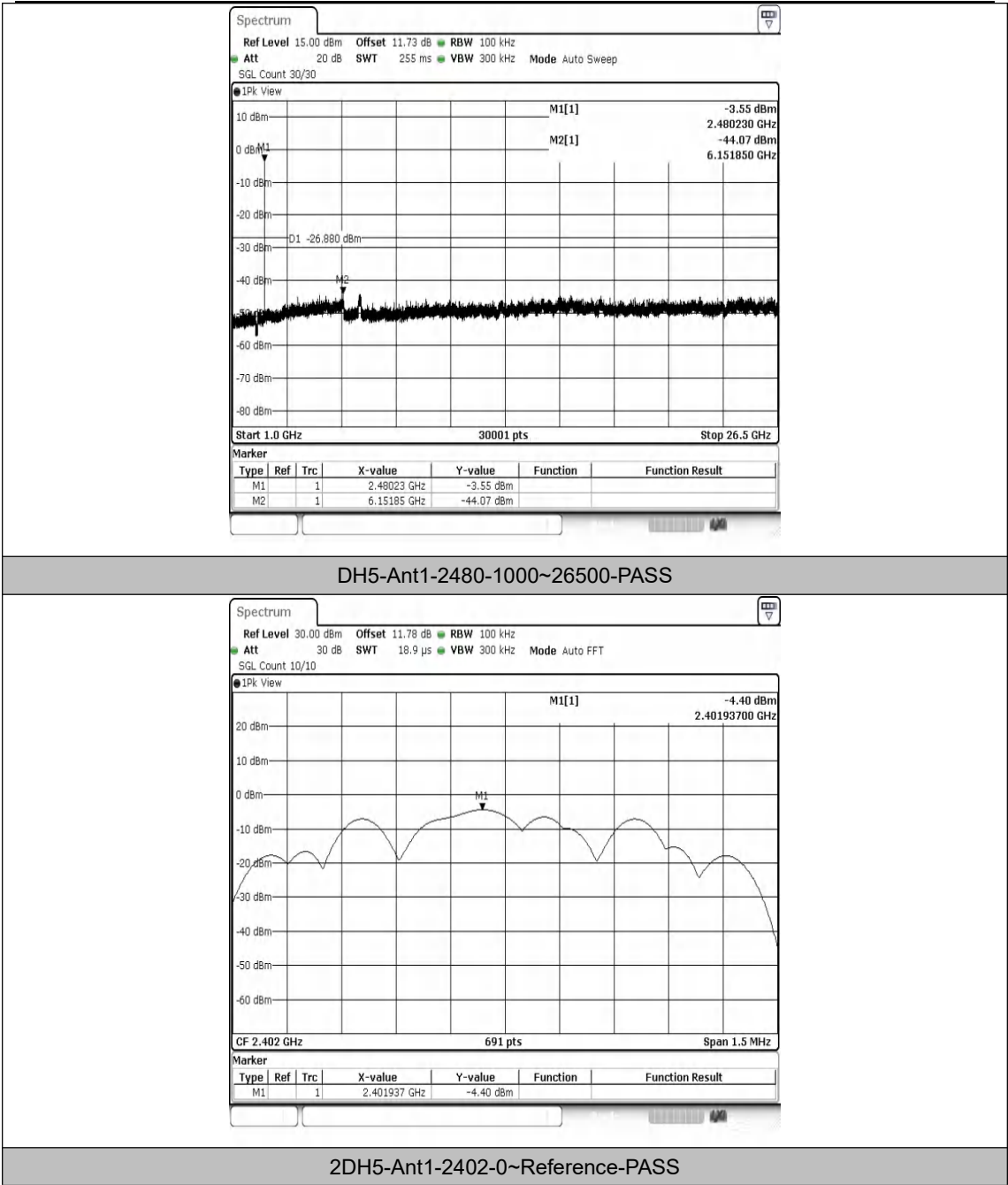
Hotline 400-003-0500  
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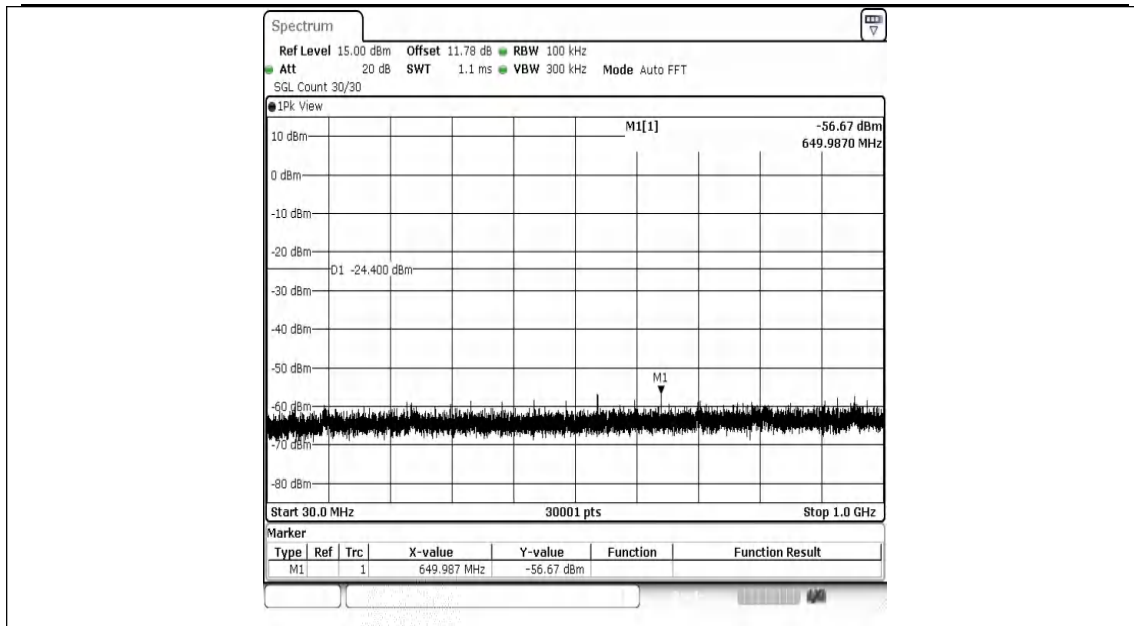




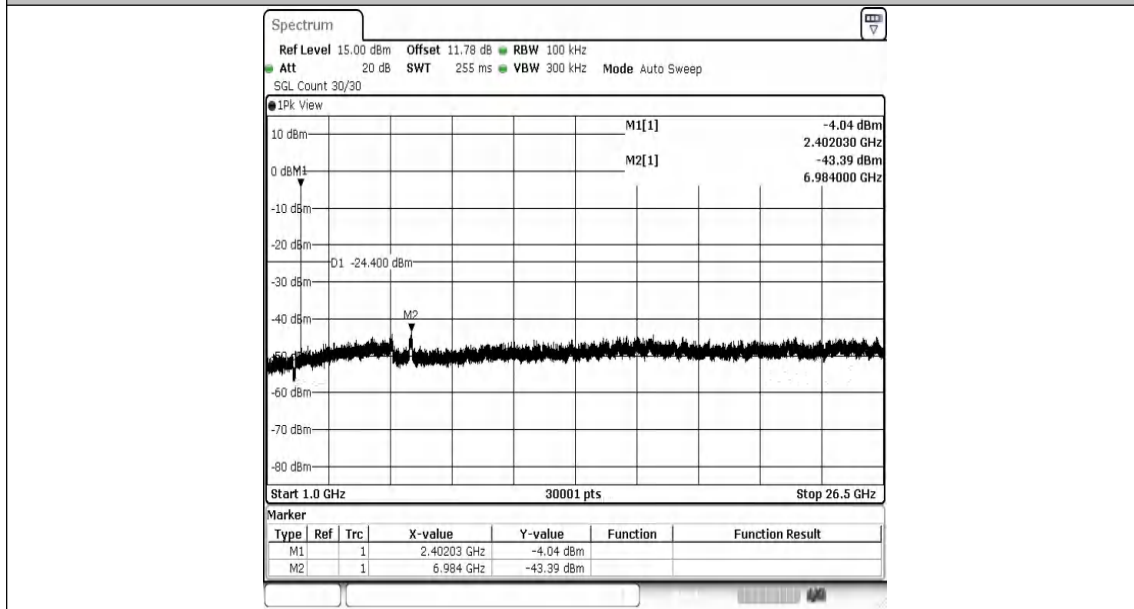






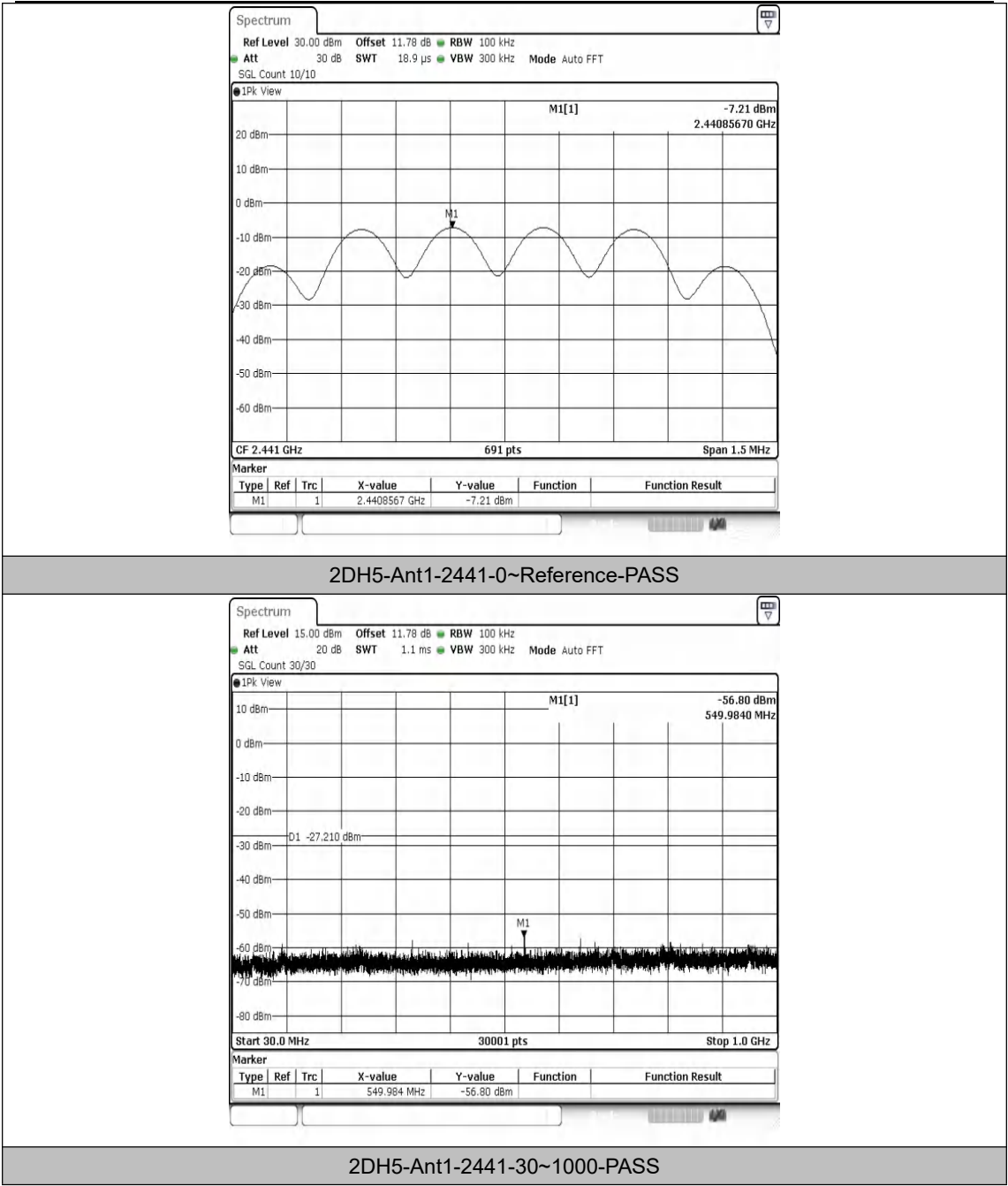


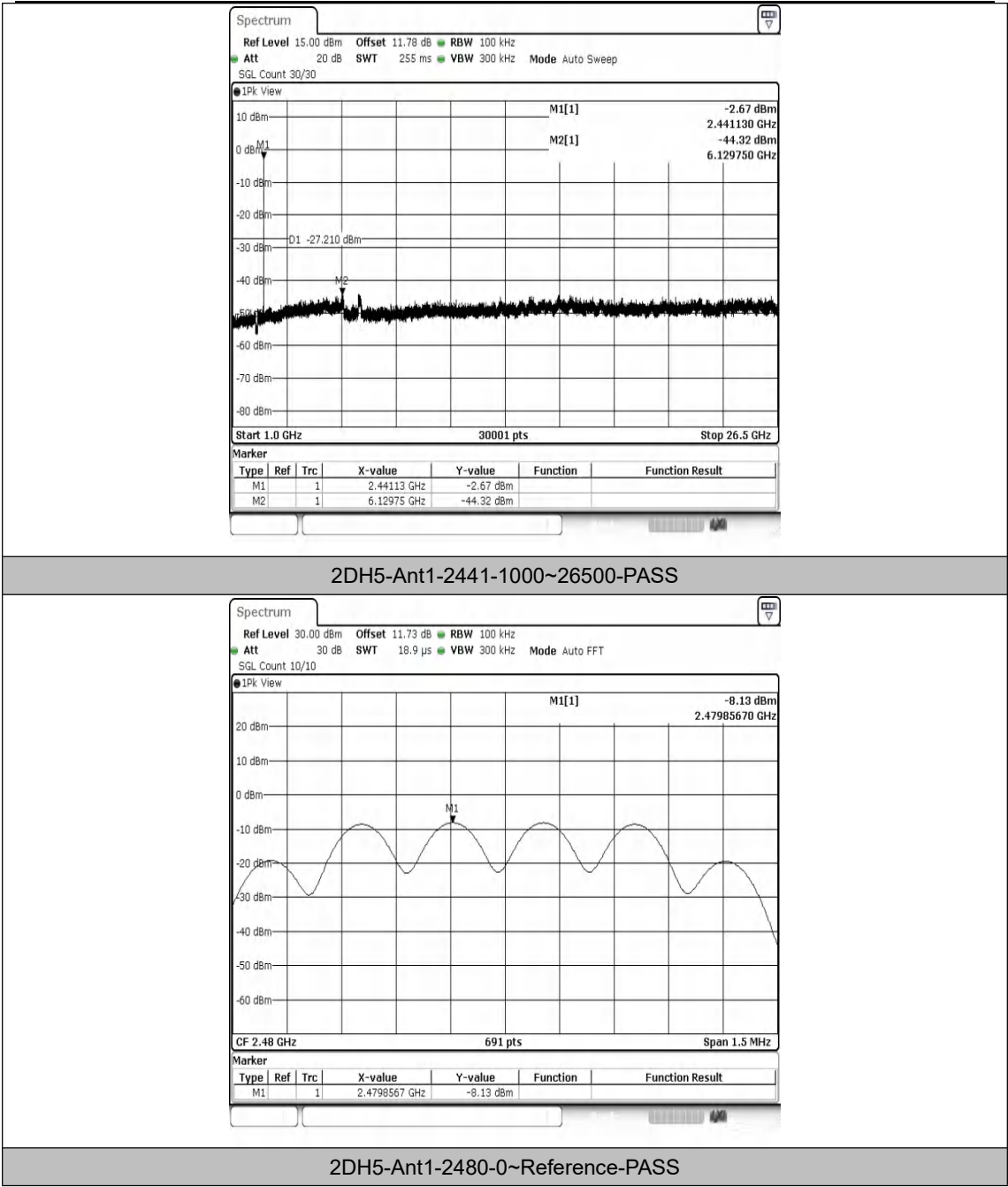
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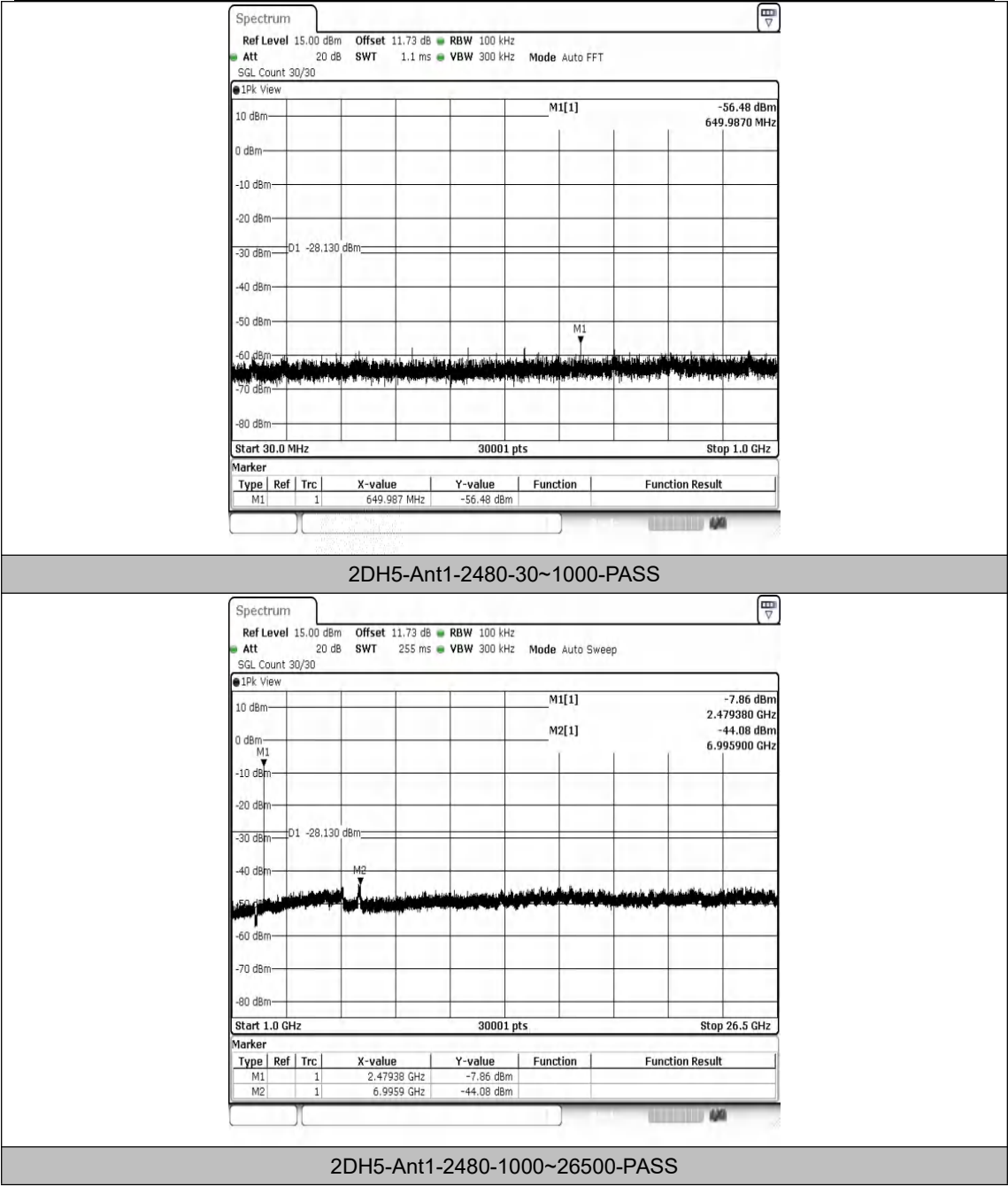


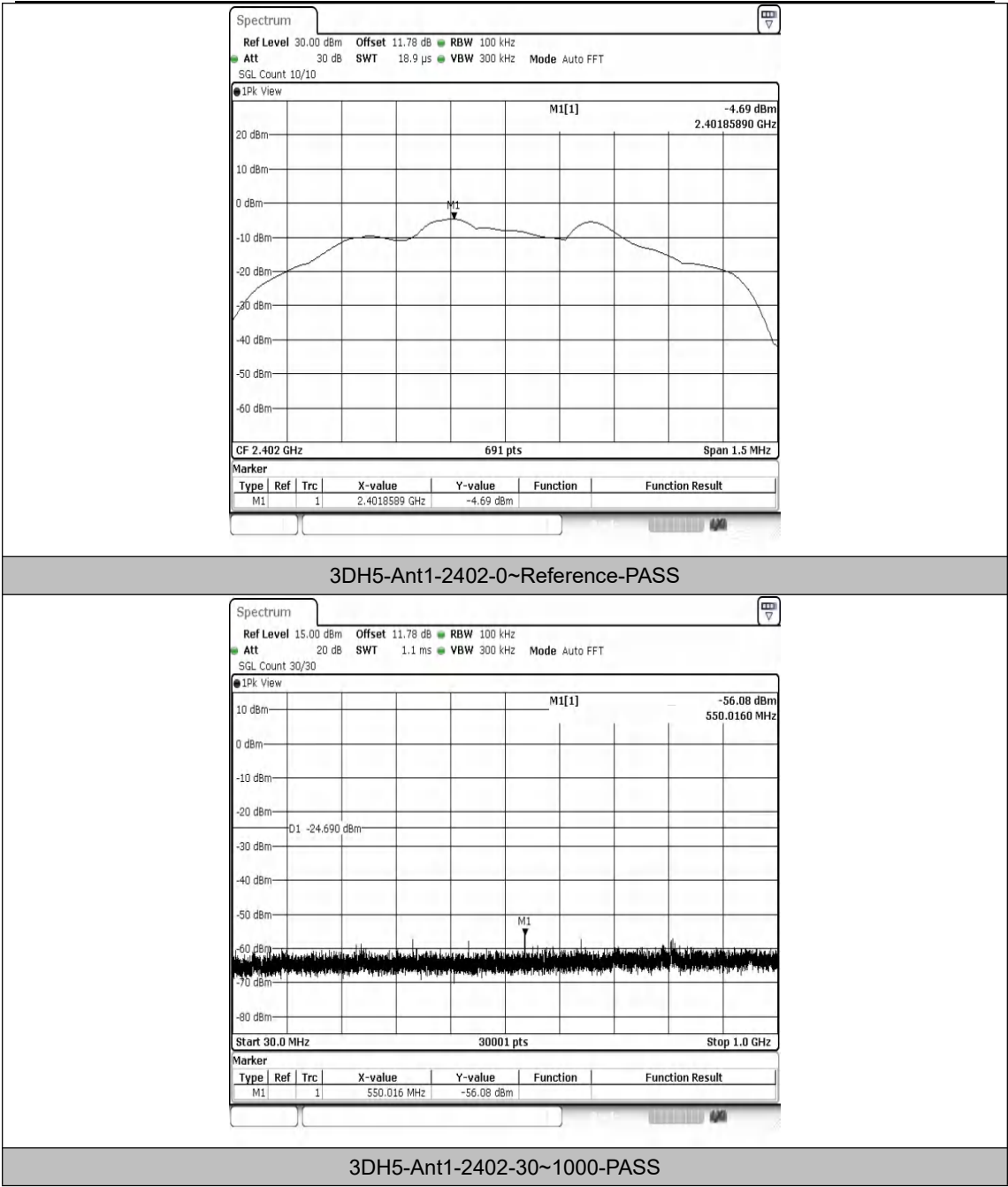
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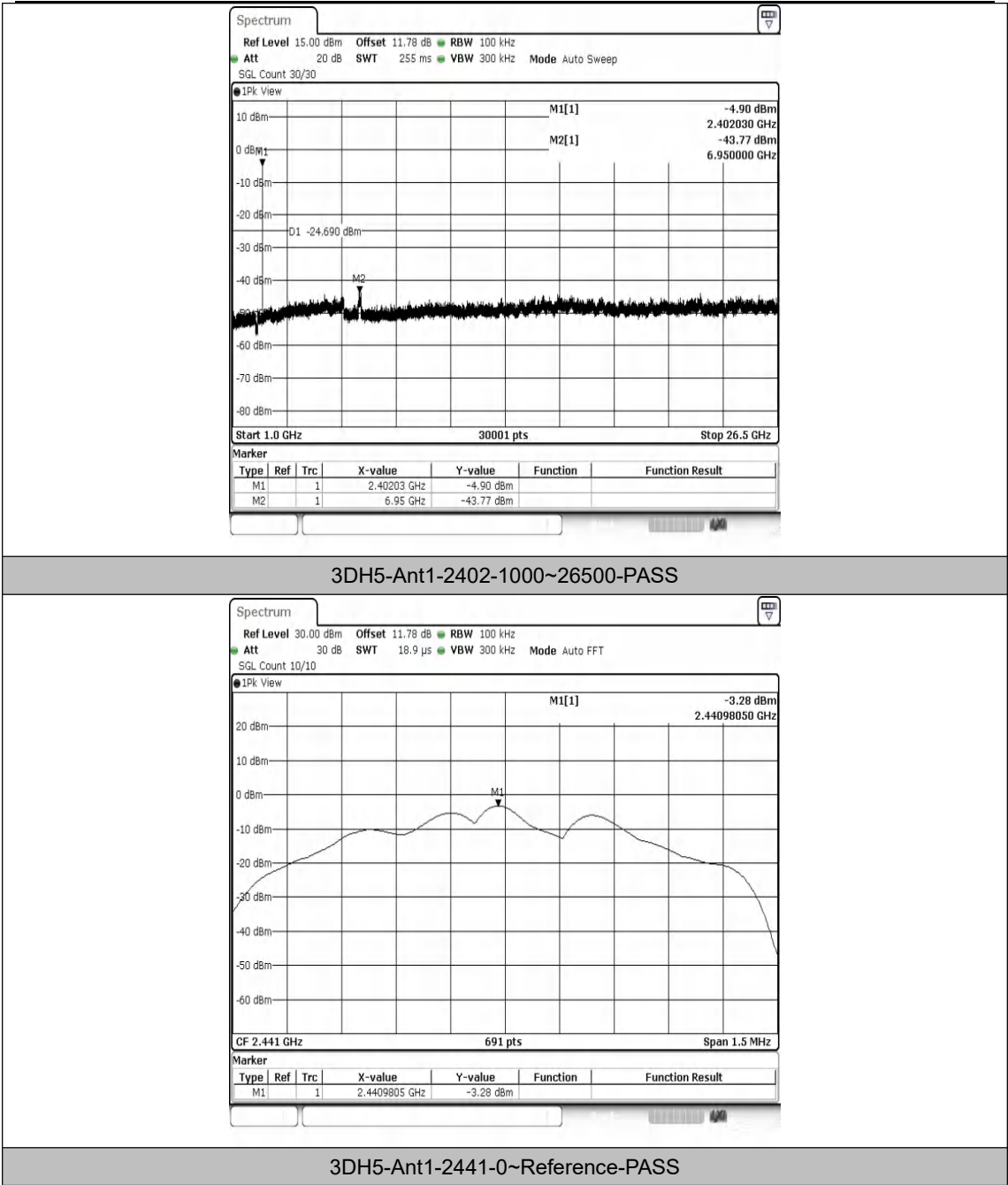


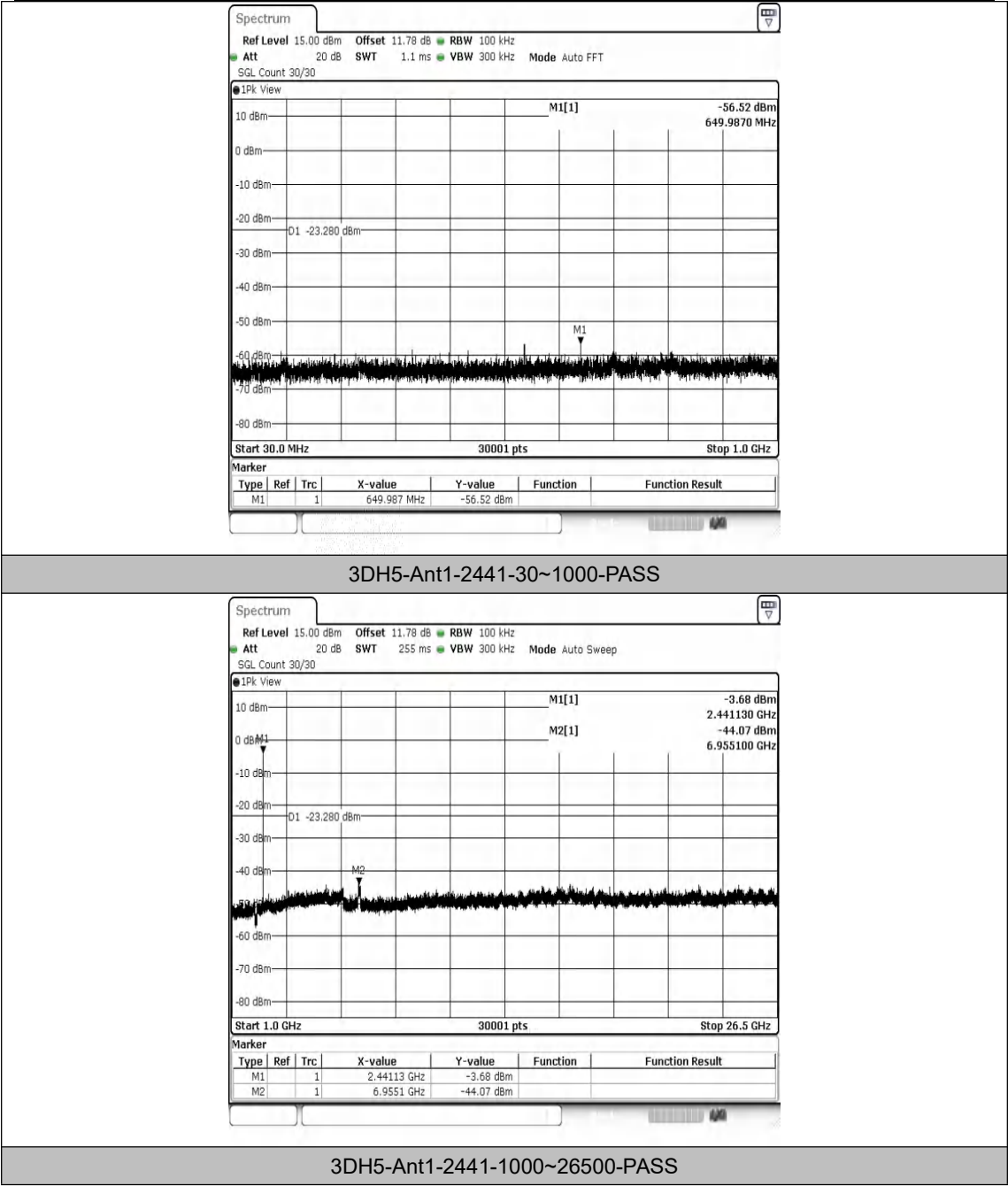


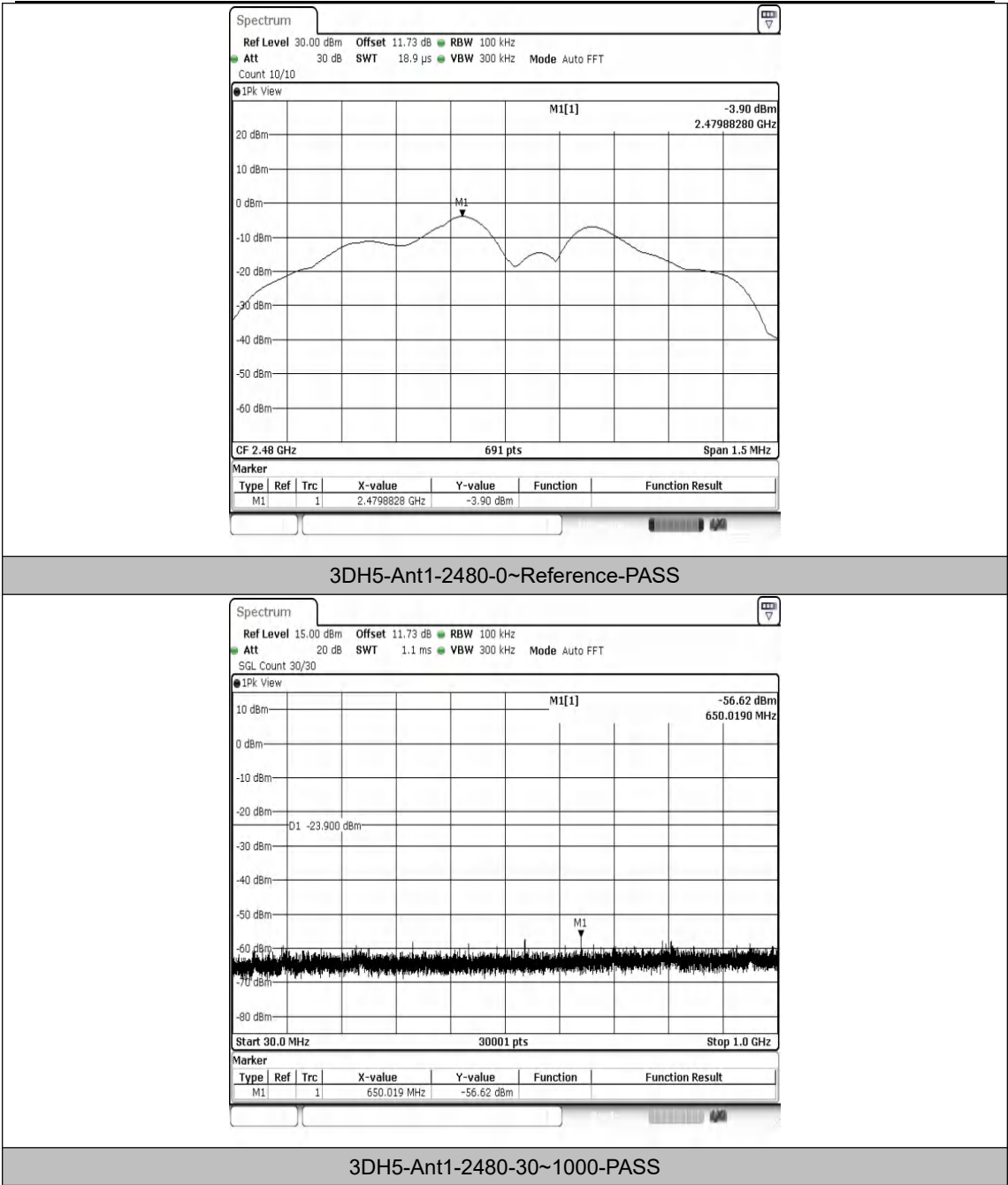


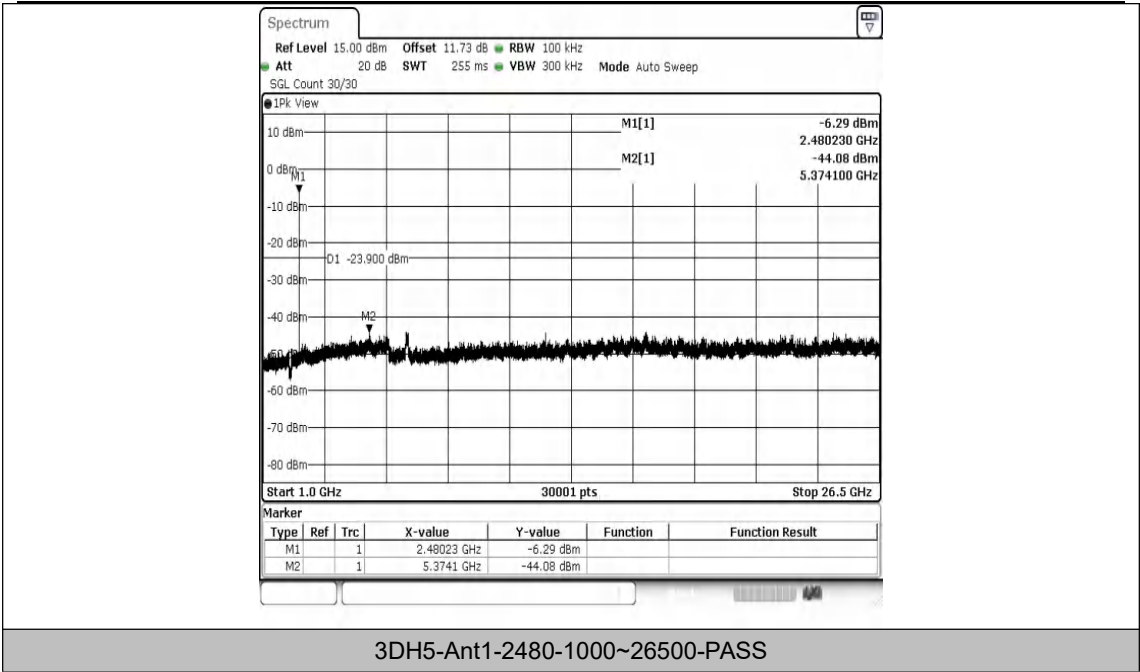












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## Appendix I: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|----------|---------|----------------|--------------|-------------|----------------|-----------------------|
| DH5      | Ant1    | 2402           | 2.89         | 3.76        | 76.86          | 1.14                  |
| DH5      | Ant1    | 2441           | 2.89         | 3.76        | 76.86          | 1.14                  |
| DH5      | Ant1    | 2480           | 2.89         | 3.76        | 76.86          | 1.14                  |
| 2DH5     | Ant1    | 2402           | 2.89         | 3.75        | 77.07          | 1.13                  |
| 2DH5     | Ant1    | 2441           | 2.90         | 3.76        | 77.13          | 1.13                  |
| 2DH5     | Ant1    | 2480           | 2.89         | 3.75        | 77.07          | 1.13                  |
| 3DH5     | Ant1    | 2402           | 2.90         | 3.76        | 77.13          | 1.13                  |
| 3DH5     | Ant1    | 2441           | 2.91         | 3.76        | 77.39          | 1.11                  |
| 3DH5     | Ant1    | 2480           | 2.90         | 3.75        | 77.33          | 1.12                  |

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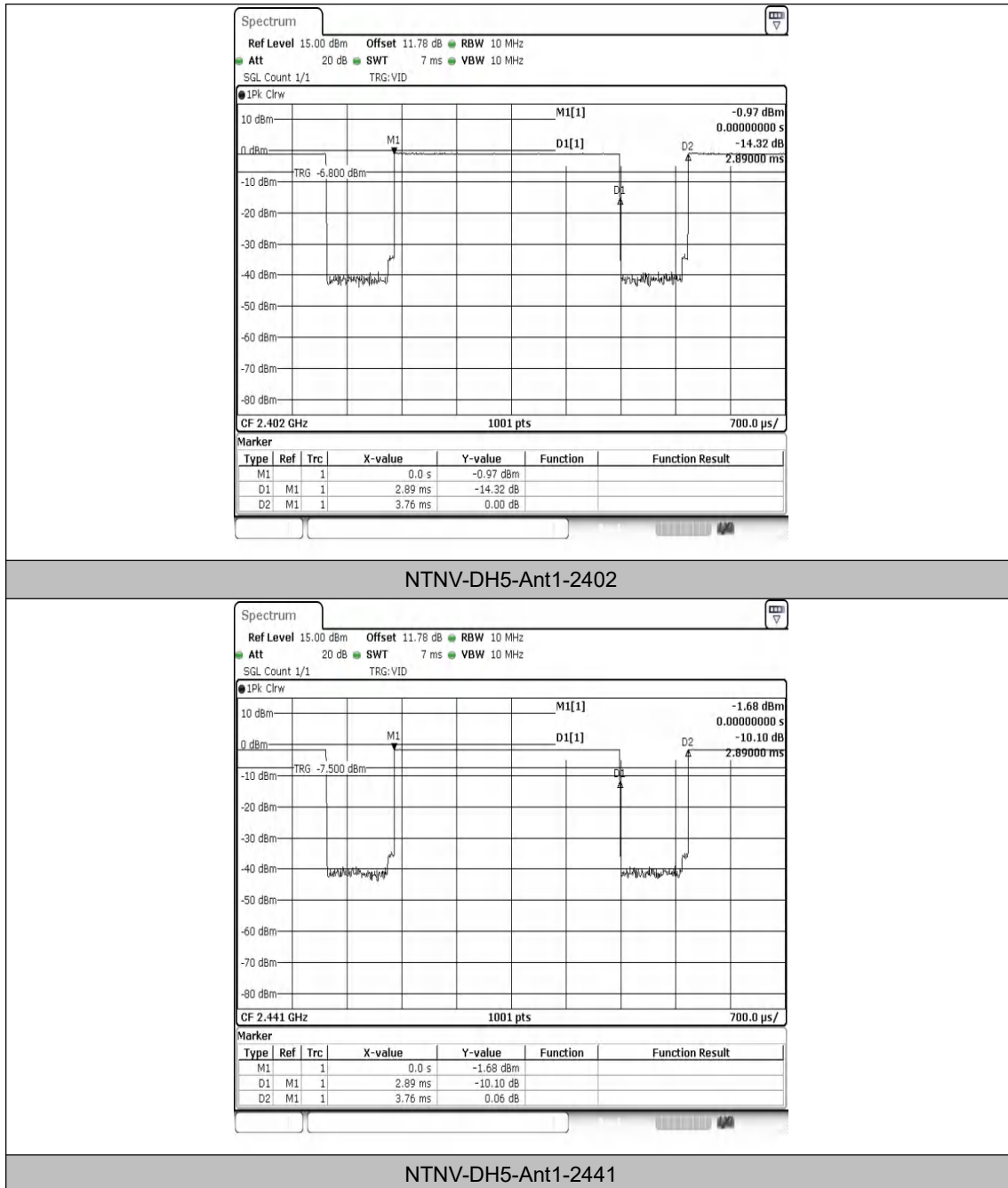
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,  
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China  
Tel: (86) 0755-26066440 Email: service@anbotek.com

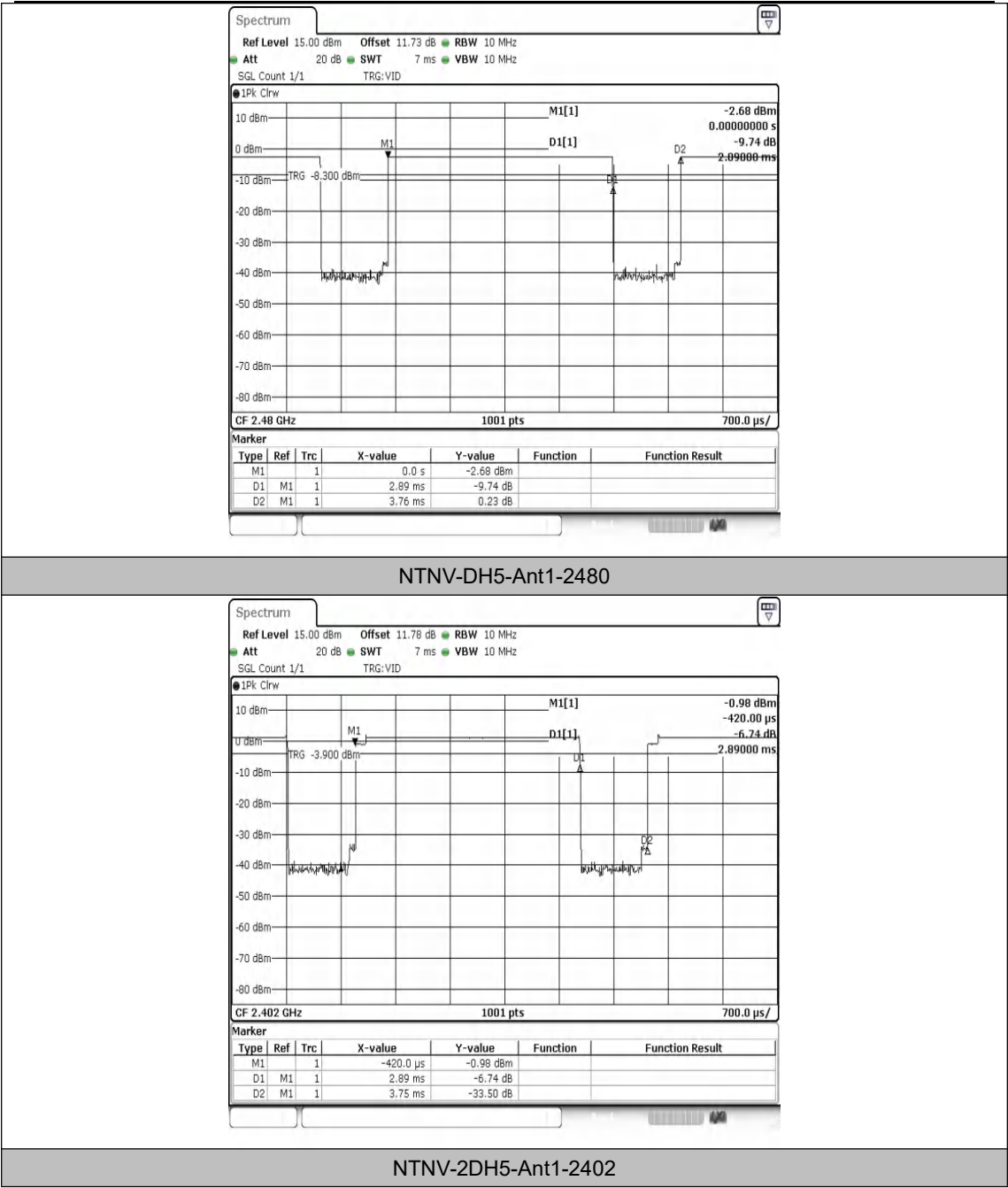


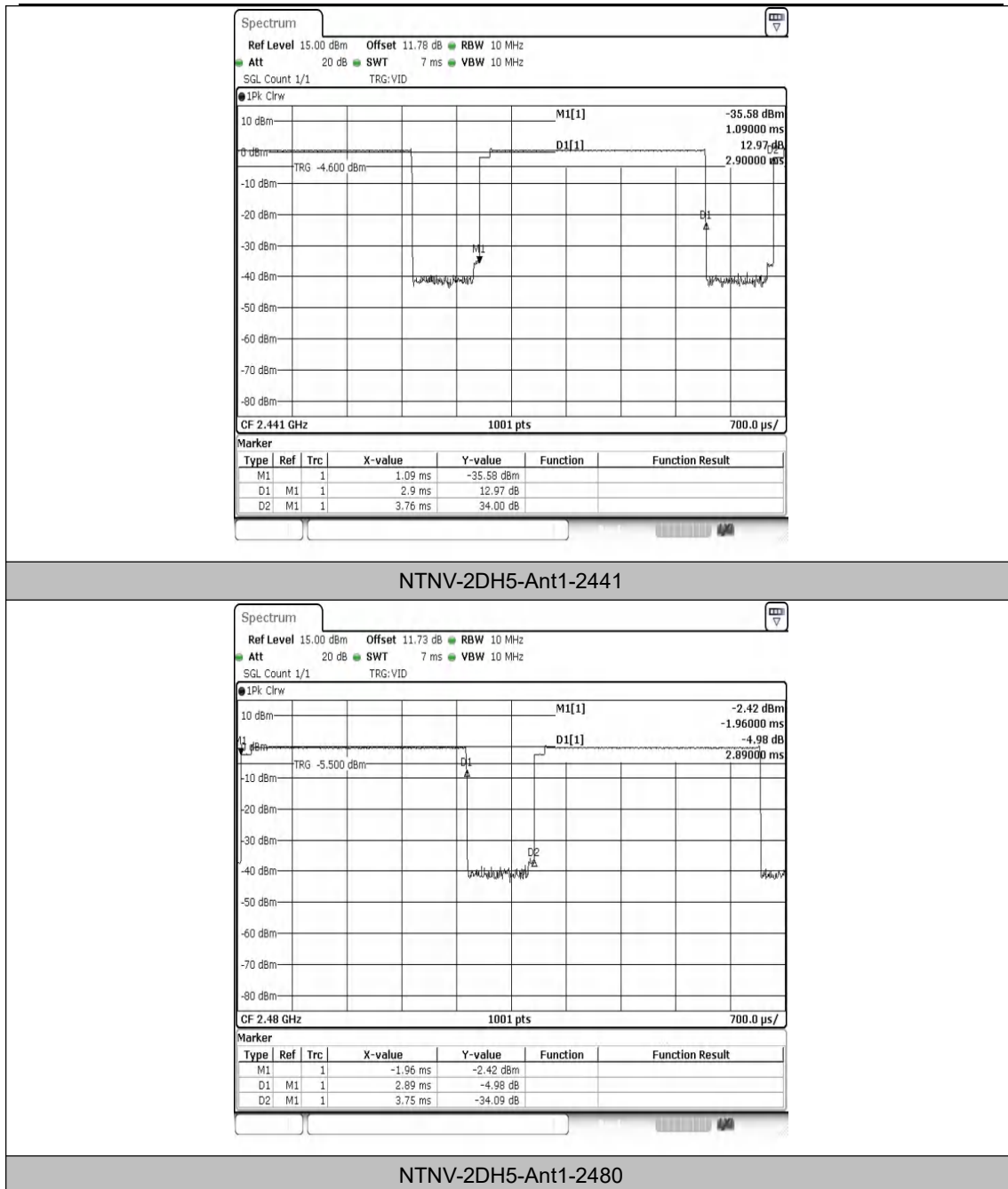
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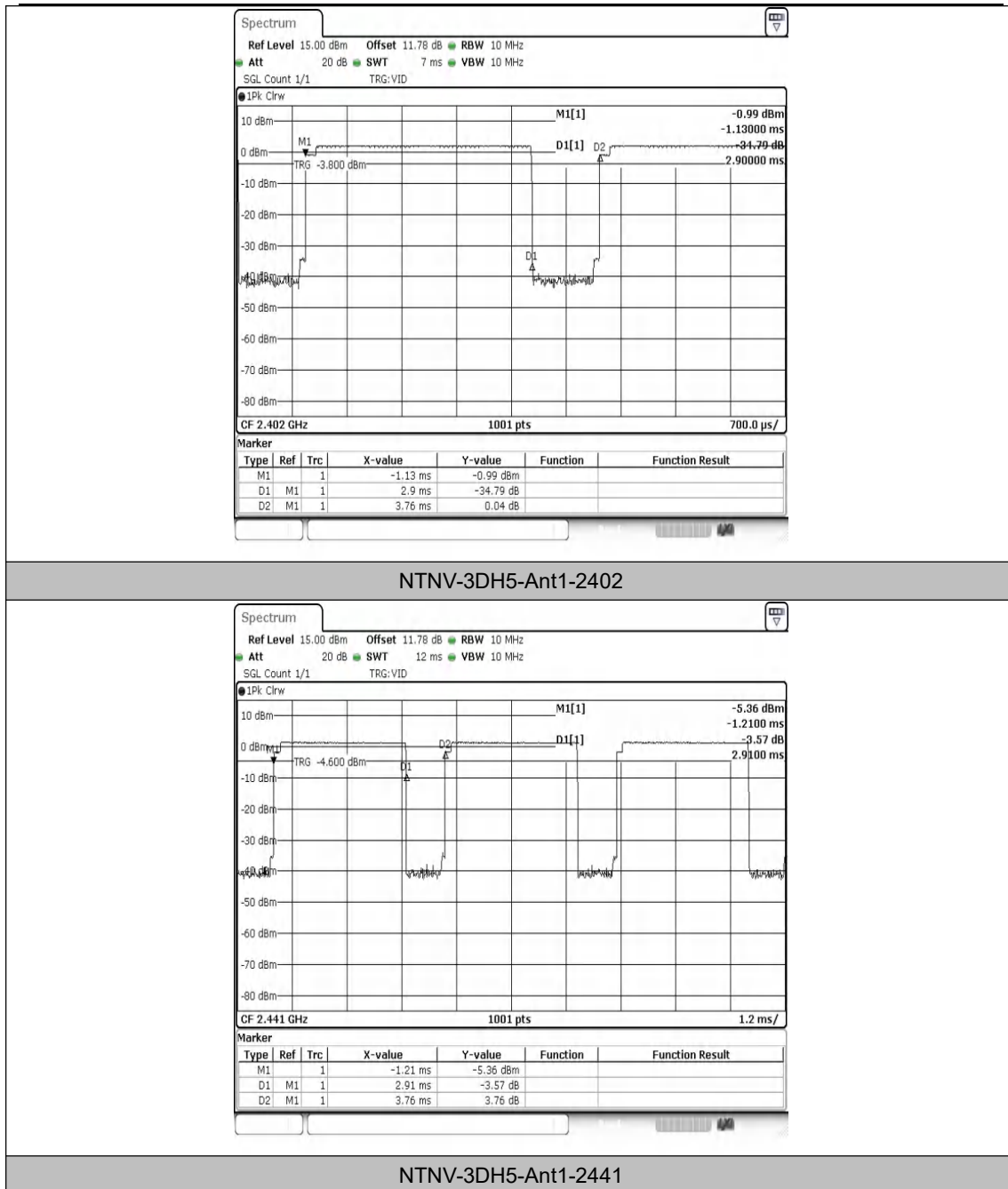


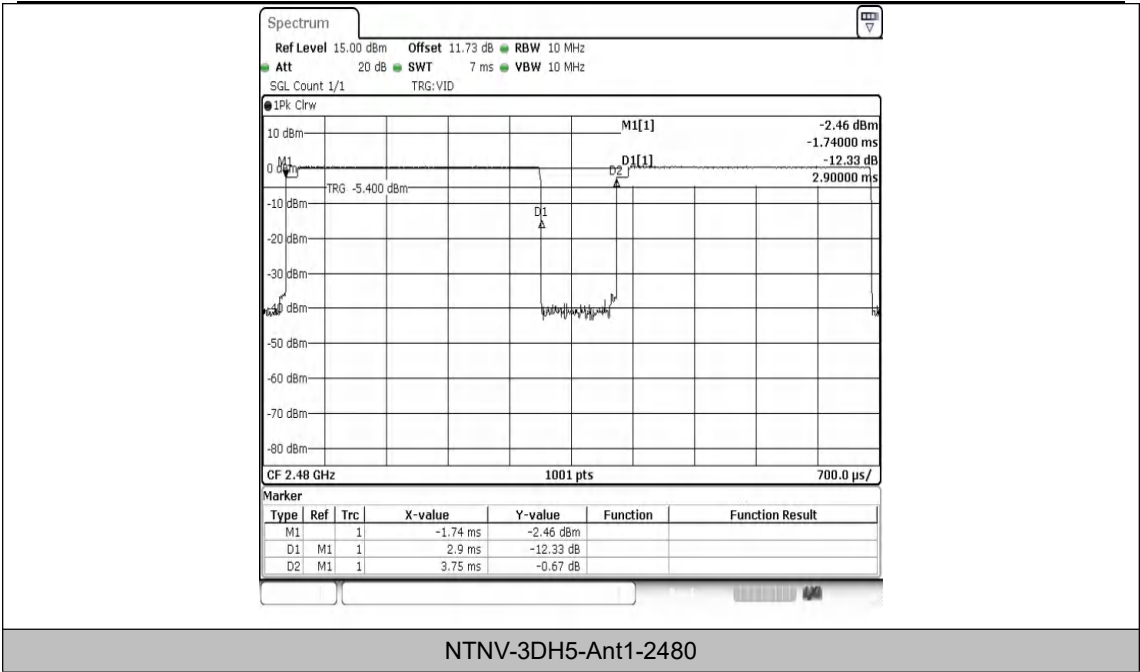
## Test Graphs











---END---

