

## Appendix Test Data

|                  |                     |                    |             |
|------------------|---------------------|--------------------|-------------|
| Report No.:      | 1812C60253912501-01 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2026-5-28           | Finish Test Date:  | 2026-7-1    |
| Test Engineer:   | Tracy Liang         | Auditor:           | Justin Feng |
| Temperature:     | 24.8°C              | Relative Humidity: | 52%         |
| Pressure:        | 101kPa              |                    |             |



## Appendix A: Frequency\_Error

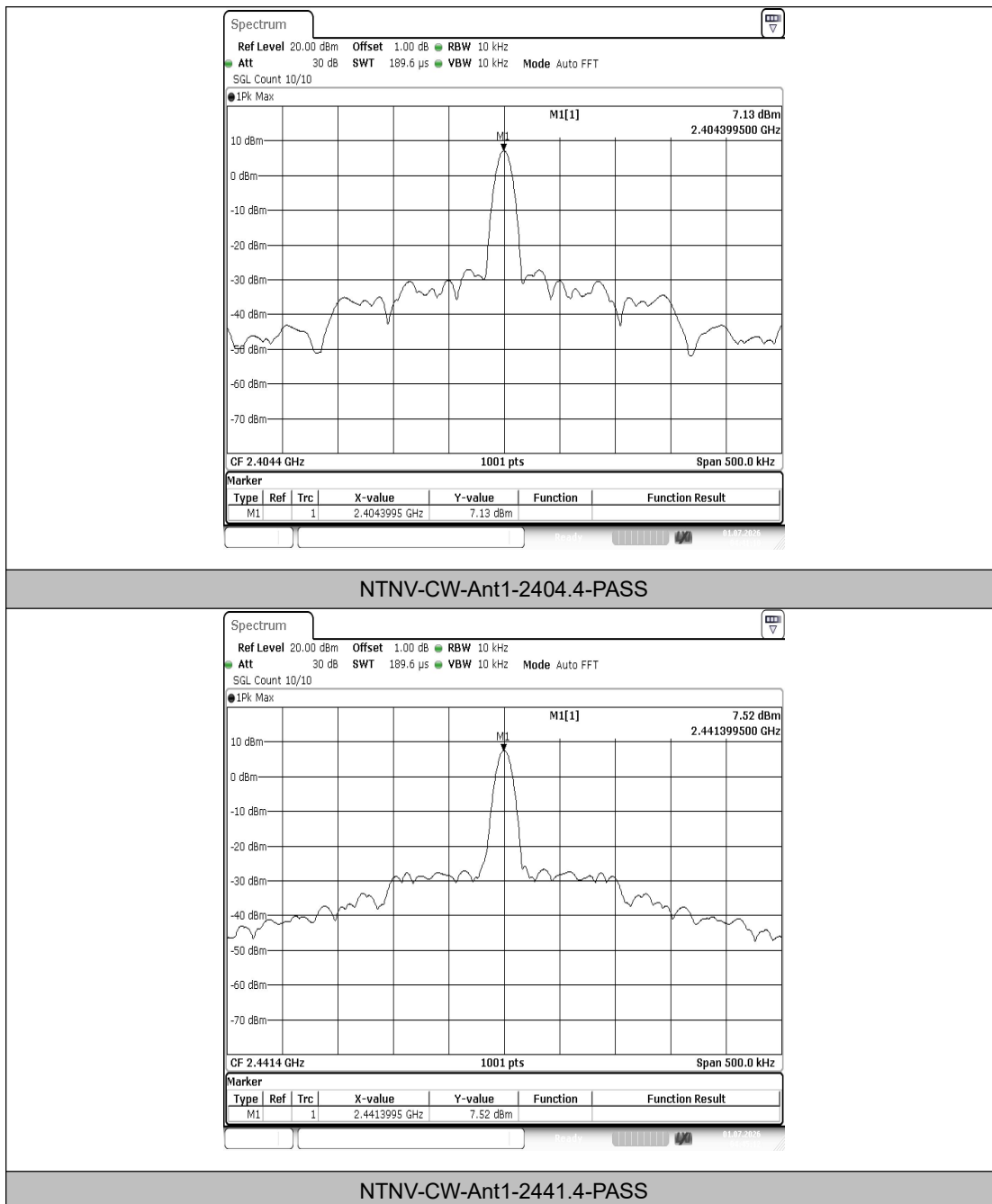
### Test Result

| Test Condition | Test Mode | Antenna | Frequency [MHz] | Center Freq. [MHz] | Result[ppm] | Limit[ppm] | Verdict |
|----------------|-----------|---------|-----------------|--------------------|-------------|------------|---------|
| NTNV           | CW        | Ant1    | 2404.4          | 2404.3995          | -0.20795    | ±50        | PASS    |
| NTNV           | CW        | Ant1    | 2441.4          | 2441.3995          | -0.20480    | ±50        | PASS    |
| NTNV           | CW        | Ant1    | 2479.4          | 2479.3995          | -0.20166    | ±50        | PASS    |

Note: Result[ppm]= (Center Freq.[MHz] - Frequency[MHz])/ Frequency[MHz]\*1000000



## Test Graphs



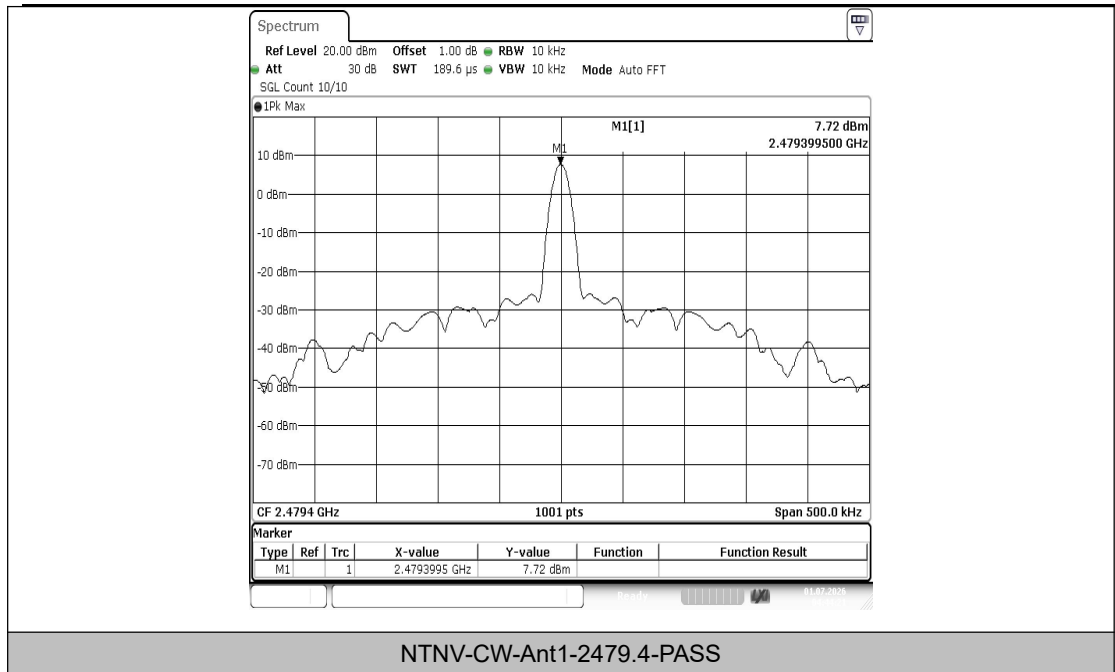
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## Appendix B: Antenna Power

### Test Result

| Test Condition | Test Mode | Antenna | Frequency [MHz] | Result [dBm] | Duty Cycle Factor [dB] | Total power [dBm] | Result (mW) | Spread Band width (MHz) | Result [mW/MHz] | Limit [mW/MHz] | Verdict |
|----------------|-----------|---------|-----------------|--------------|------------------------|-------------------|-------------|-------------------------|-----------------|----------------|---------|
| NTNV           | 2.4G      | Ant1    | Hop             | 2.20         | 6.21                   | 8.41              | 6.9342      | 68.731                  | 0.1009          | ≤3             | PASS    |

1. Result[dBm]=Average power[dBm]+Duty CycleFactor[dB]
2. Result[mW]=  $10^{(\text{Test Result[dBm]}/10)}$
3. Duty CycleFactor[dB]=[ $\log((1/\text{Result}[\%]) * 100)$ ]\*10

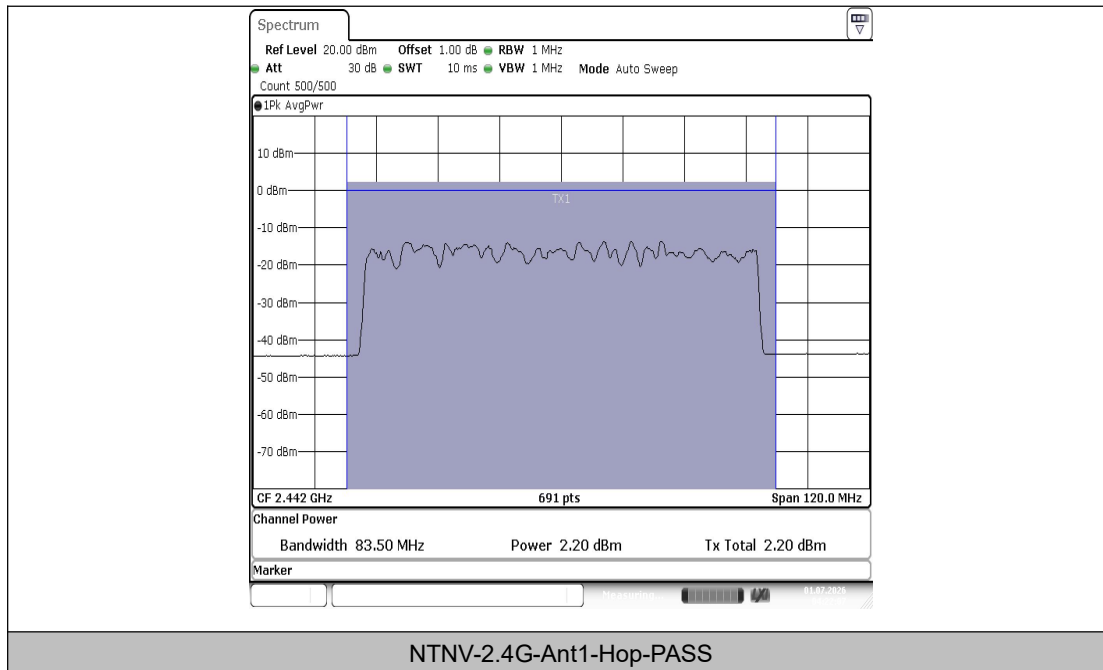
| Test Condition | Test Mode | Antenna | Frequency [MHz] | Power [mW/MHz] | Rated Power [mW/MHz] | Result [%] | Limit [%]  | Verdict |
|----------------|-----------|---------|-----------------|----------------|----------------------|------------|------------|---------|
| NTNV           | 2.4G      | Ant1    | Hop             | 0.1009         | 0.1                  | 0.90       | -80 to +20 | PASS    |

| Test Condition | Test Mode | Antenna | Frequency [MHz] | Result [dBm/MHz] | Gain [dBi] | EIRP (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|----------------|-----------|---------|-----------------|------------------|------------|----------------|-----------------|---------|
| NTNV           | 2.4G      | Ant1    | Hop             | -9.96            | 4.13       | -5.83          | ≤6.91           | PASS    |

Note: Result[dBm/MHz]=10log(Power [mW/MHz])  
EIRP[dBm/MHz]=Result[dBm/MHz]+Gain(dBi)



## Test Graphs



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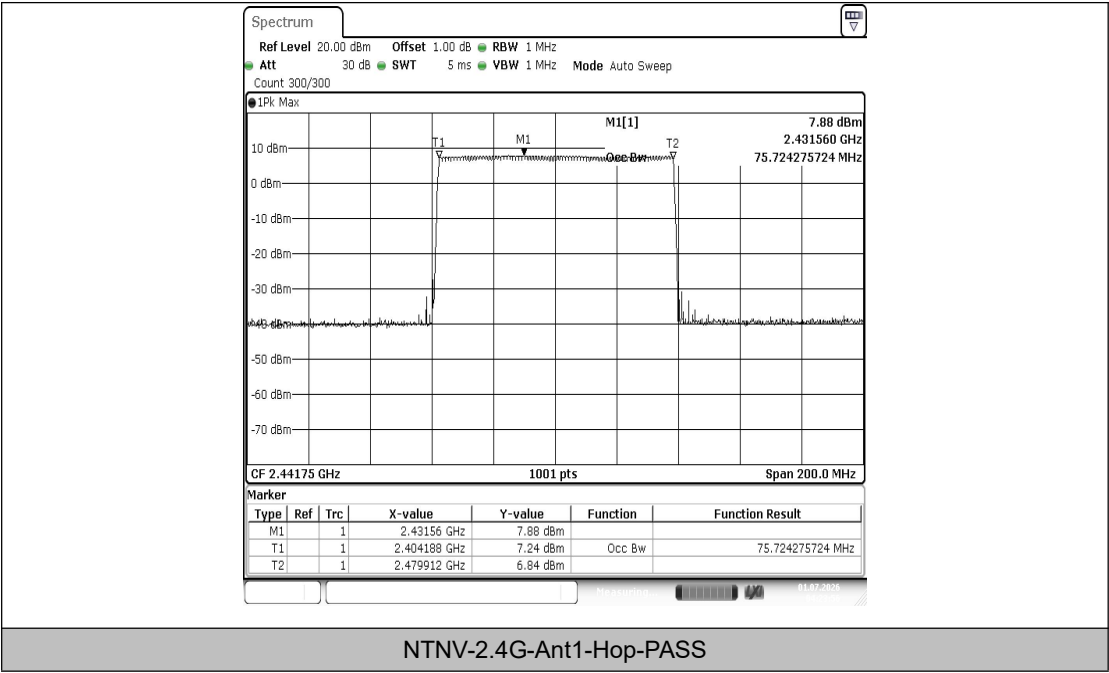
## Appendix C: Occupied Bandwidth

### Test Result

| Test Condition | Test Mode | Antenna | Frequency[MHz] | Result [MHz] | Limit [MHz] | Verdict |
|----------------|-----------|---------|----------------|--------------|-------------|---------|
| NTNV           | 2.4G      | Ant1    | Hop            | 75.724       | ≤83.5       | PASS    |



Test Graphs



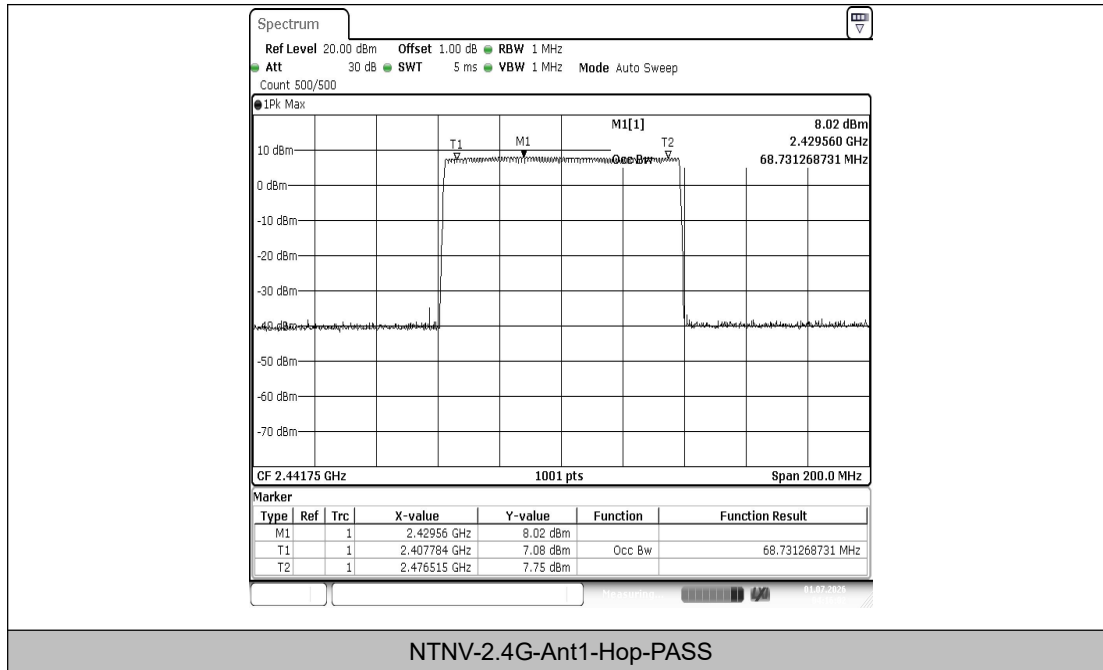
## Appendix D: Spread Bandwidth

### Test Result

| Test Condition | Test Mode | Antenna | Frequency[MHz] | Result [MHz] | Limit          |
|----------------|-----------|---------|----------------|--------------|----------------|
| NTNV           | 2.4G      | Ant1    | Hop            | 68.731       | 500kHz or More |



## Test Graphs



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## Appendix E: Spurious Emission of TX

### Test Result

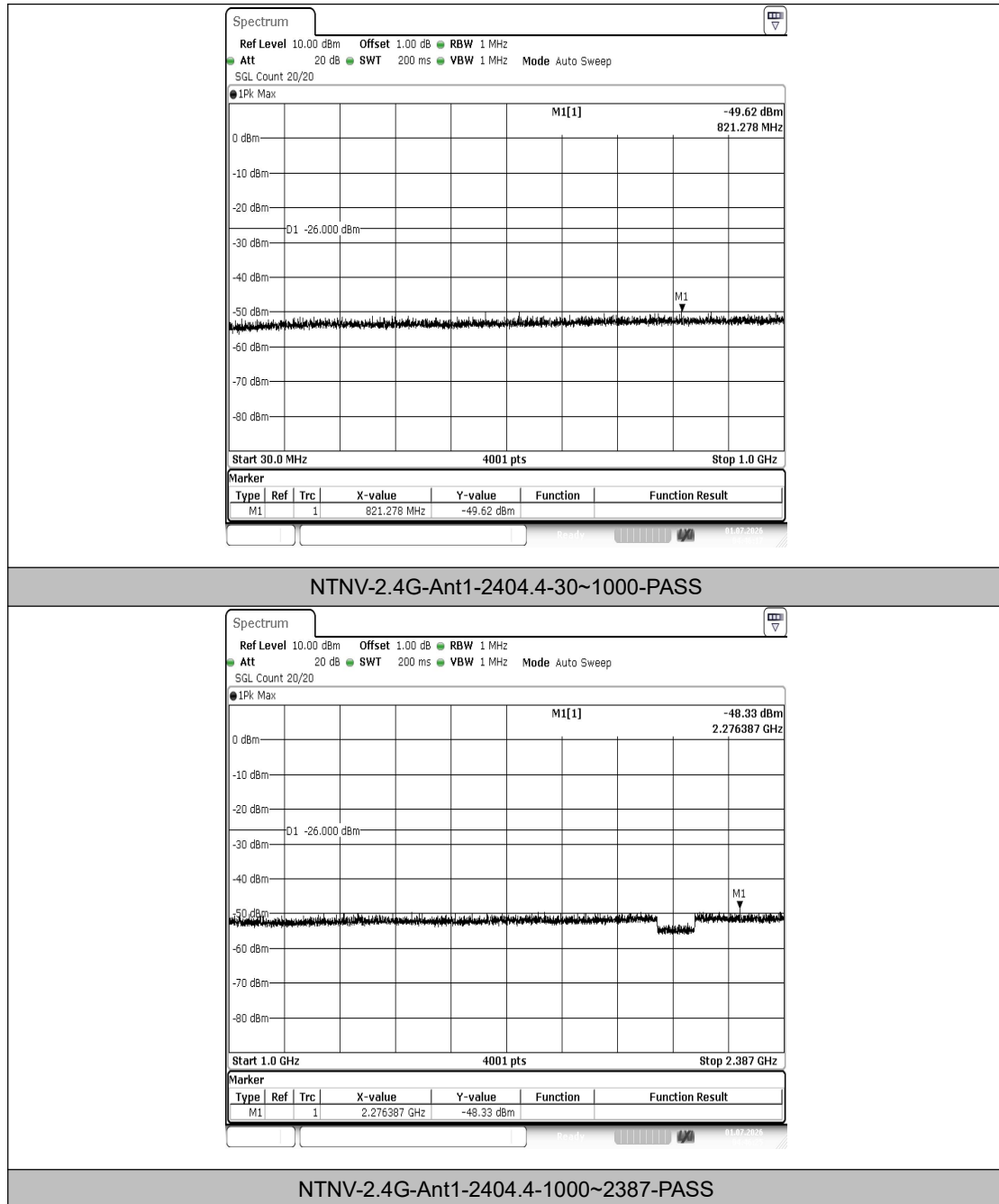
| Test Condition | Test Mode | Antenna | Frequency [MHz] | Freq. Range [MHz] | Freq. [MHz] | Result [dBm/MHz] | Limit [dBm/MHz] | Result [ $\mu$ W/MHz] | Limit [ $\mu$ W/MHz] | Verdict         |
|----------------|-----------|---------|-----------------|-------------------|-------------|------------------|-----------------|-----------------------|----------------------|-----------------|
| NTNV           | 2.4G      | Ant1    | 2404.4          | 30~1000           | 821.28      | -49.62           | $\leq -26$      | 0.01091               | $\leq 2.5$           | PASS            |
| NTNV           | 2.4G      | Ant1    | 2404.4          | 1000~2387         | 2276.39     | -48.33           | $\leq -26$      | 0.01468               | $\leq 2.5$           | PASS            |
| NTNV           | 2.4G      | Ant1    | 2404.4          | 2387~2400         | 2389.35     | -37.66           | $\leq -16$      | 0.17139               | $\leq 25$            | PASS            |
| NTNV           | 2.4G      | Ant1    | 2404.4          | 2483.5~2496.5     | 2492.48     | -38.10           | $\leq -16$      | 0.15488               | $\leq 25$            | PASS            |
| NTNV           | 2.4G      | Ant1    | 2404.4          | 2496.5~13000      | 4808.32     | -31.93           | $\leq -26$      | 0.64121               | $\leq 2.5$           | See table below |
| NTNV           | 2.4G      | Ant1    | 2441.4          | 30~1000           | 930.40      | -50.07           | $\leq -26$      | 0.00984               | $\leq 2.5$           | PASS            |
| NTNV           | 2.4G      | Ant1    | 2441.4          | 1000~2387         | 1941.77     | -48.59           | $\leq -26$      | 0.01383               | $\leq 2.5$           | PASS            |
| NTNV           | 2.4G      | Ant1    | 2441.4          | 2387~2400         | 2388.57     | -38.59           | $\leq -16$      | 0.13835               | $\leq 25$            | PASS            |
| NTNV           | 2.4G      | Ant1    | 2441.4          | 2483.5~2496.5     | 2491.76     | -38.39           | $\leq -16$      | 0.14487               | $\leq 25$            | PASS            |
| NTNV           | 2.4G      | Ant1    | 2441.4          | 2496.5~13000      | 3501.68     | -33.31           | $\leq -26$      | 0.46665               | $\leq 2.5$           | PASS            |
| NTNV           | 2.4G      | Ant1    | 2479.4          | 30~1000           | 682.33      | -49.77           | $\leq -26$      | 0.01054               | $\leq 2.5$           | PASS            |
| NTNV           | 2.4G      | Ant1    | 2479.4          | 1000~2387         | 2167.51     | -48.96           | $\leq -26$      | 0.01270               | $\leq 2.5$           | PASS            |
| NTNV           | 2.4G      | Ant1    | 2479.4          | 2387~2400         | 2391.24     | -38.52           | $\leq -16$      | 0.14060               | $\leq 25$            | PASS            |
| NTNV           | 2.4G      | Ant1    | 2479.4          | 2483.5~2496.5     | 2488.12     | -37.77           | $\leq -16$      | 0.16710               | $\leq 25$            | PASS            |
| NTNV           | 2.4G      | Ant1    | 2479.4          | 2496.5~13000      | 4959.05     | -32.11           | $\leq -26$      | 0.61517               | $\leq 2.5$           | See table below |

### Test Result\_Step2

| Test Condition | Test Mode | Antenna | Frequency [MHz] | Freq. [MHz] | Result [dBm/MHz] | Limit [dBm/MHz] | Result [ $\mu$ W/MHz] | Limit [ $\mu$ W/MHz] | Verdict |
|----------------|-----------|---------|-----------------|-------------|------------------|-----------------|-----------------------|----------------------|---------|
| NTNV           | 2.4G      | Ant1    | 2404.4          | 4808.32     | -33.27           | $\leq -26$      | 0.47098               | $\leq 2.5$           | PASS    |
| NTNV           | 2.4G      | Ant1    | 2479.4          | 4959.05     | -33.30           | $\leq -26$      | 0.46774               | $\leq 2.5$           | PASS    |



## Test Graphs



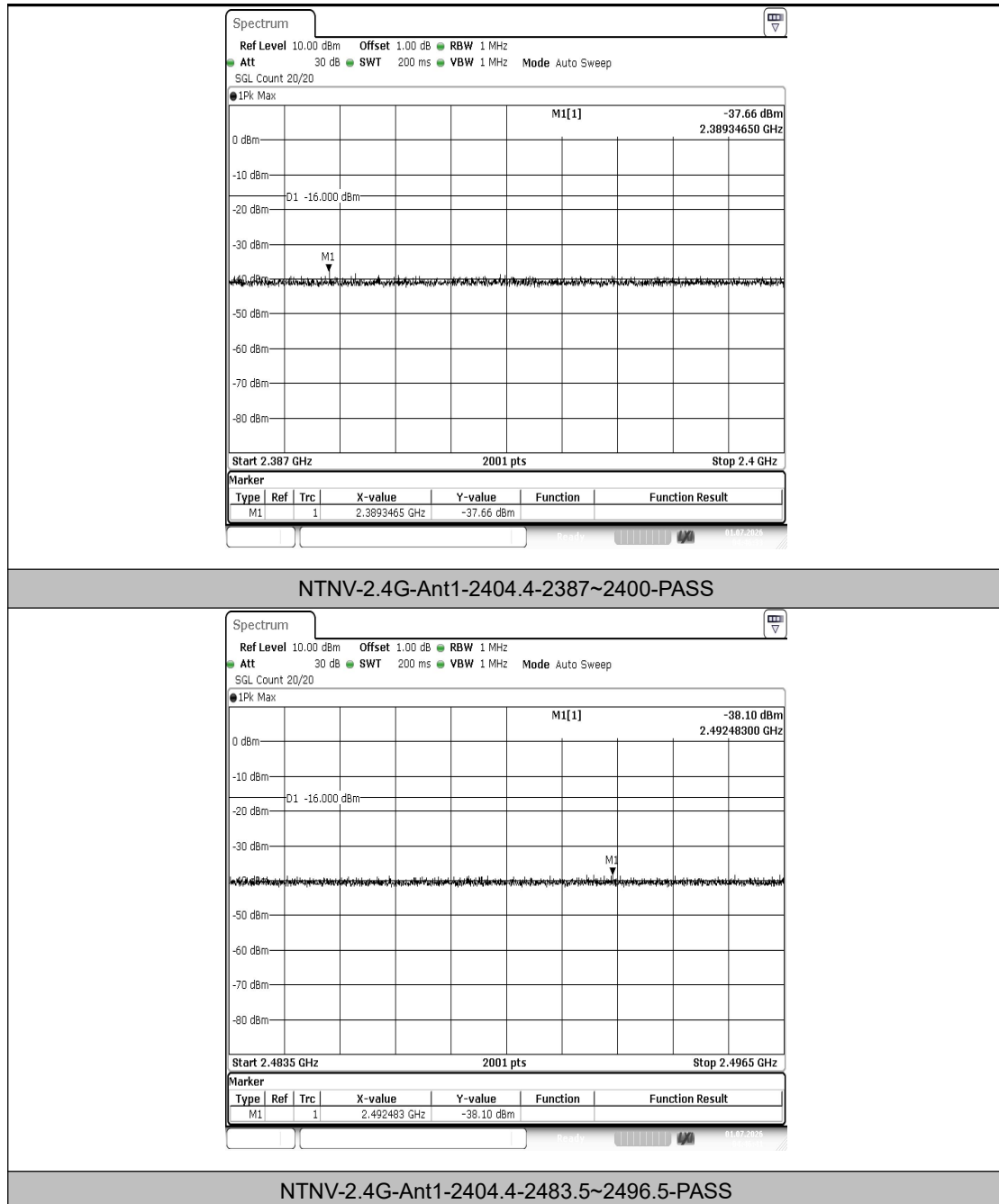
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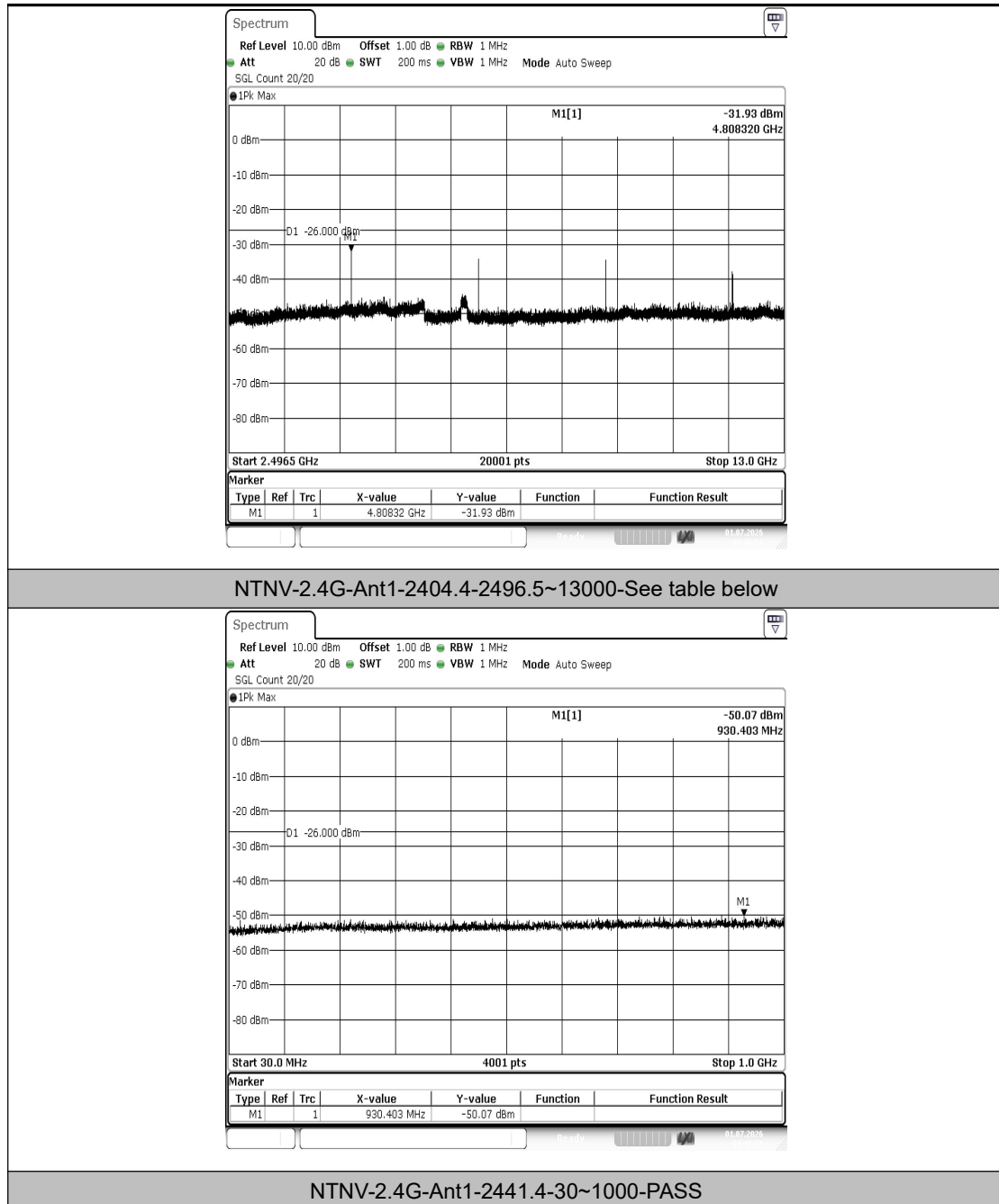
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,  
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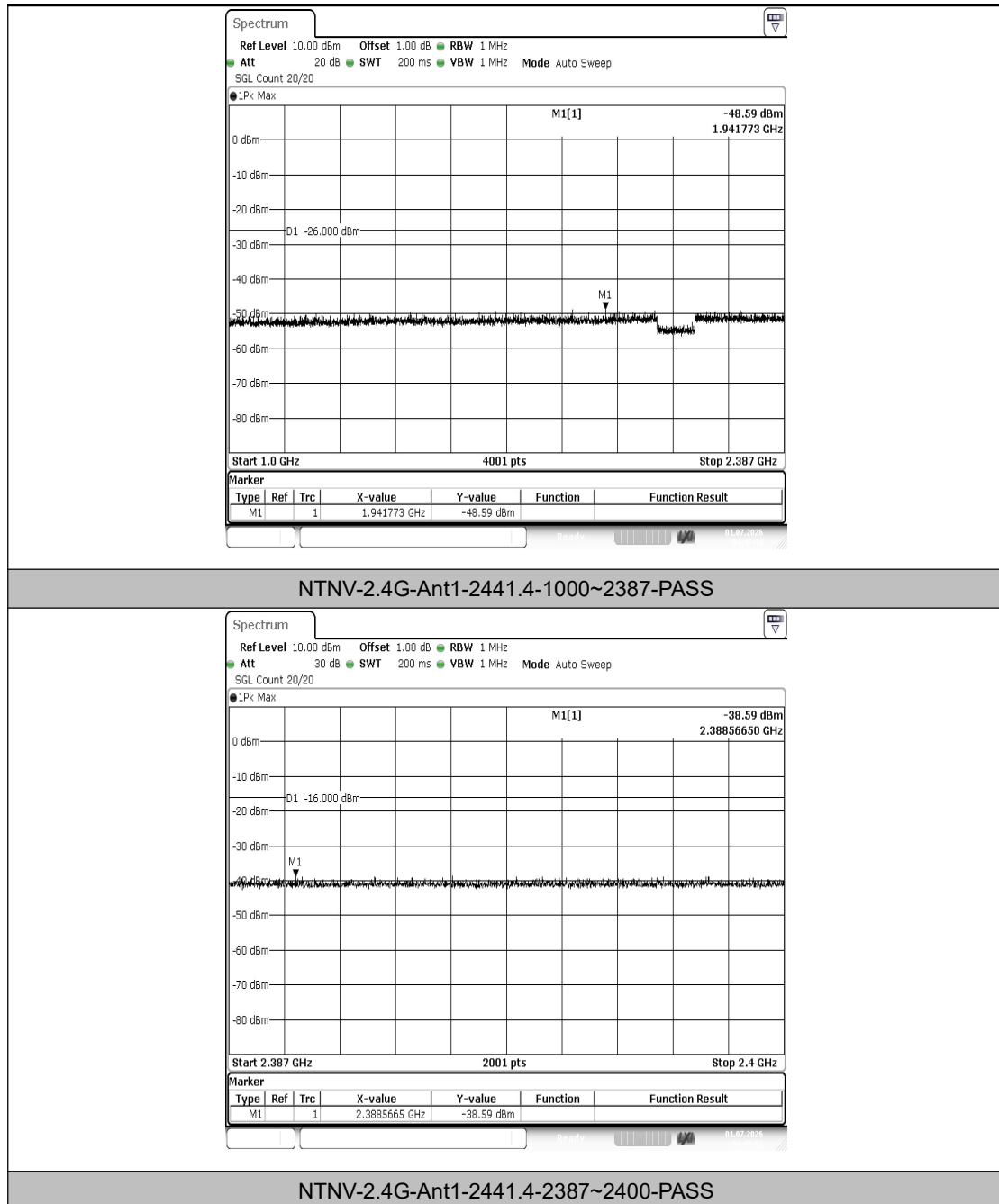


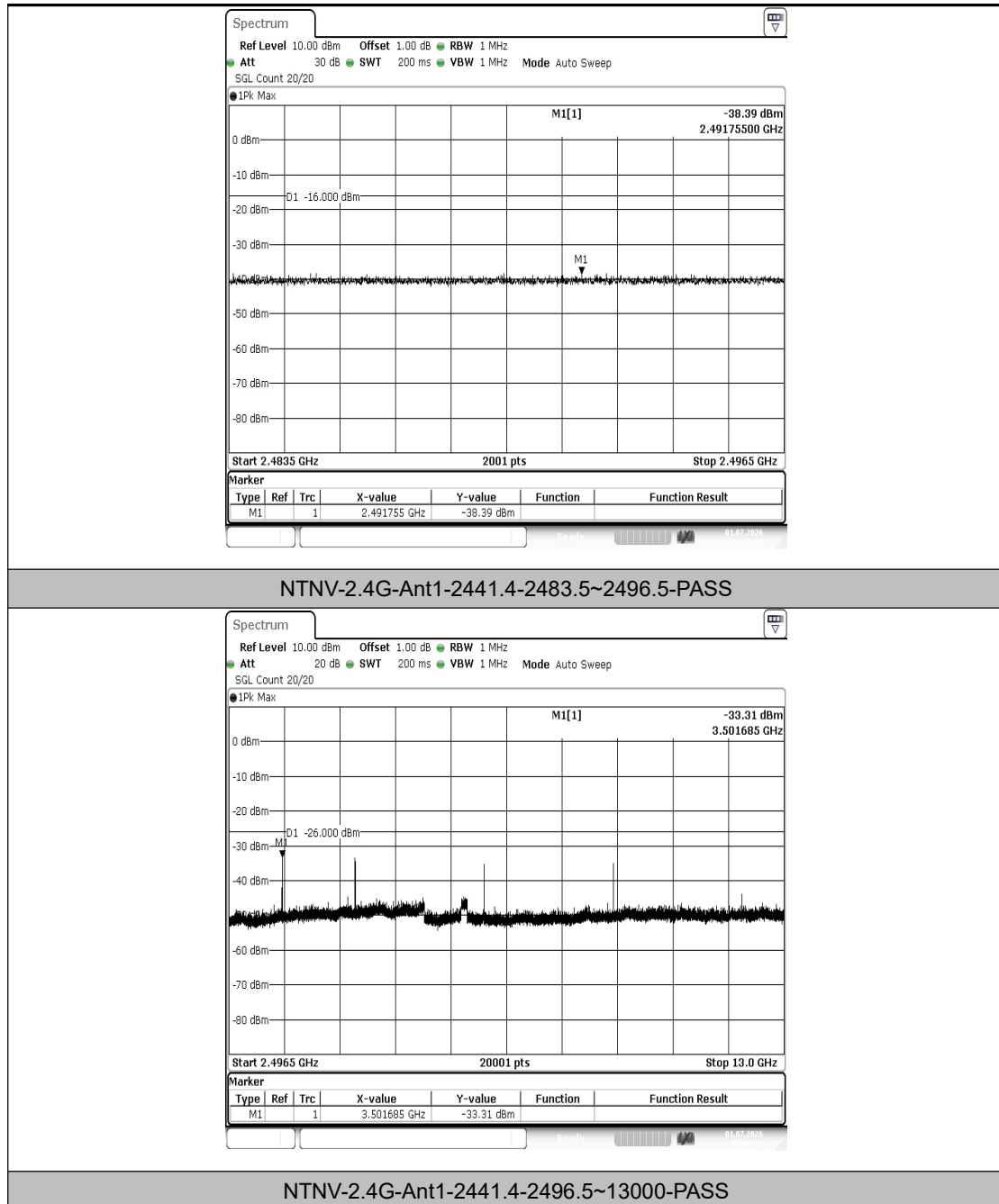
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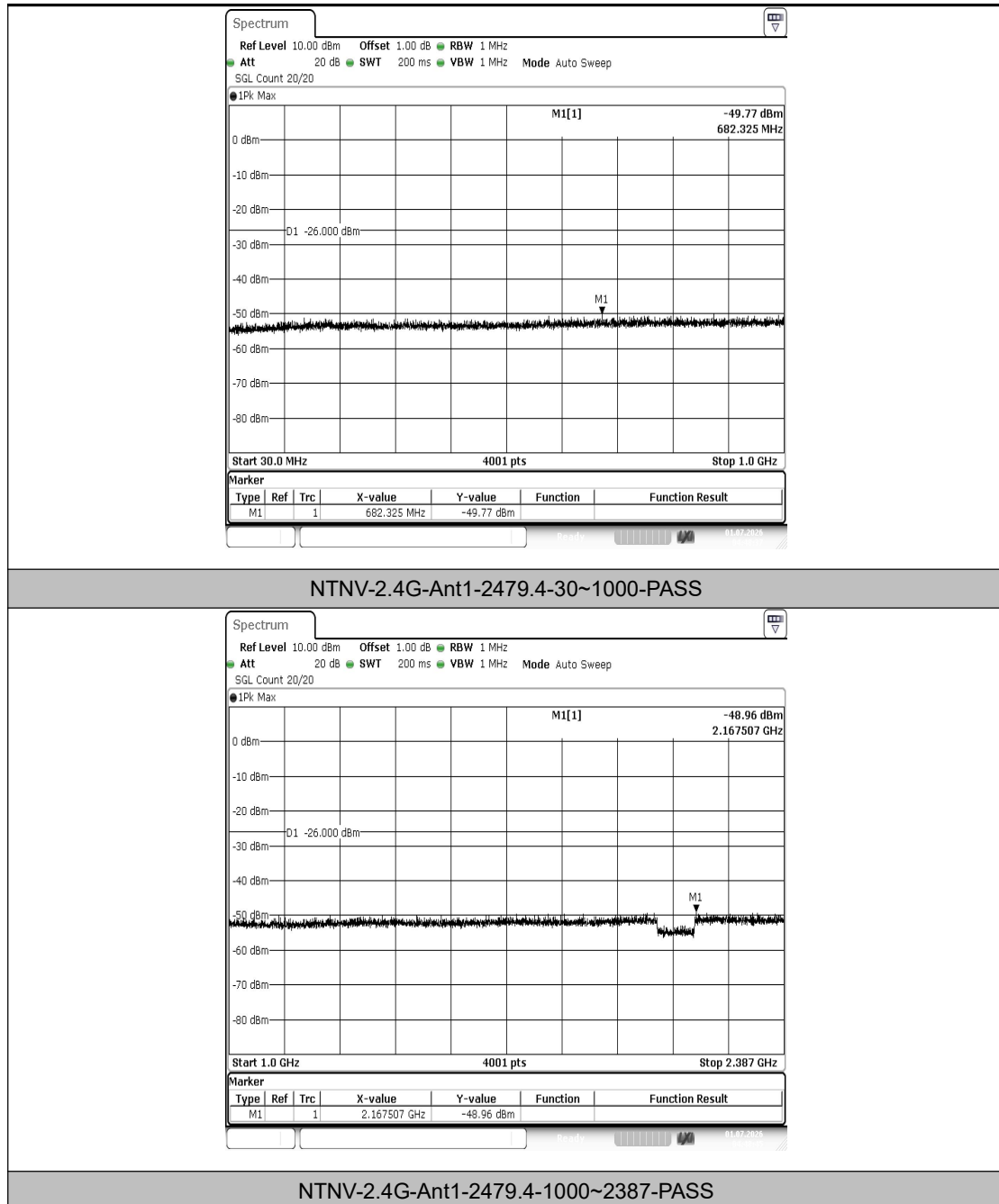
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,  
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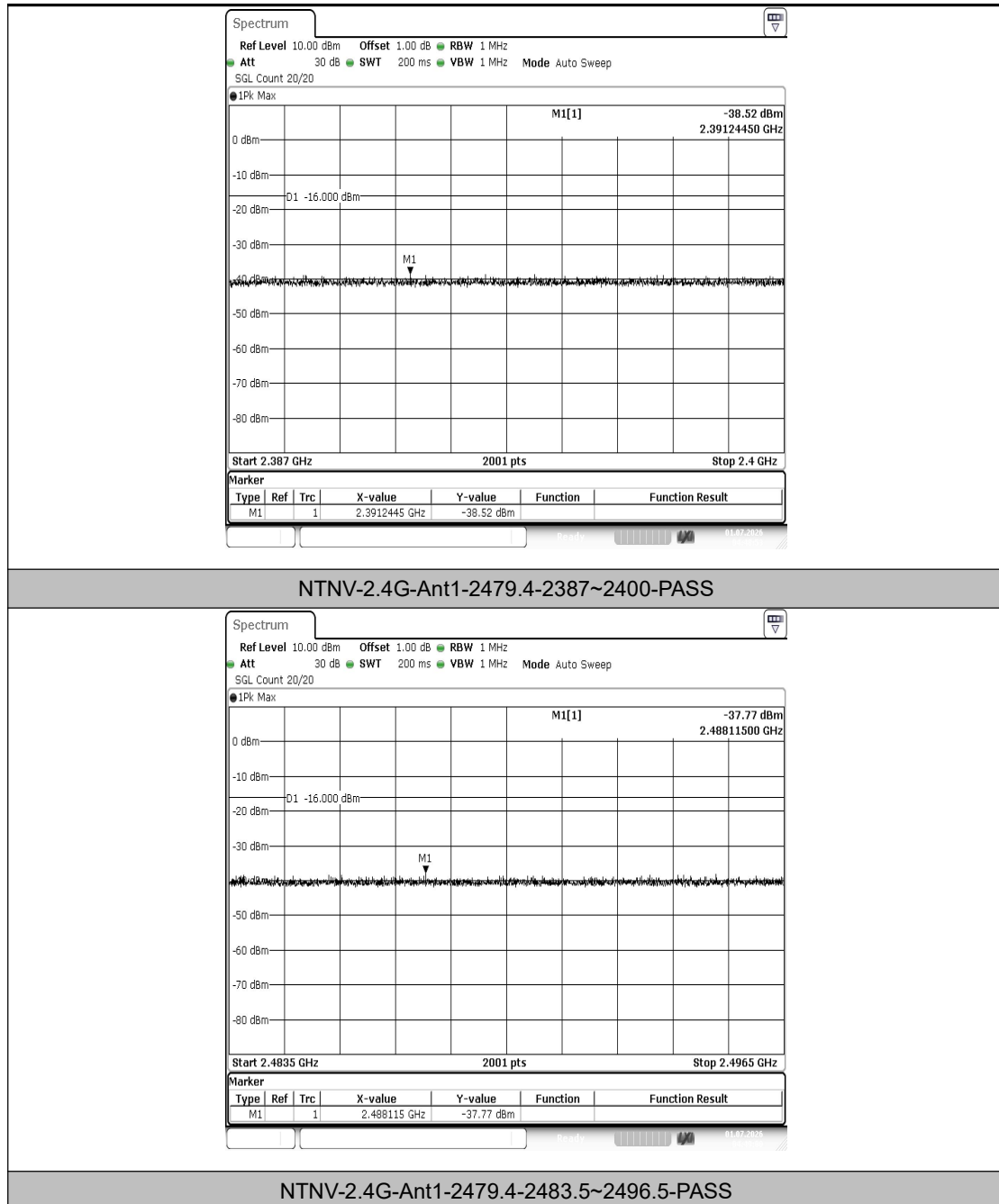
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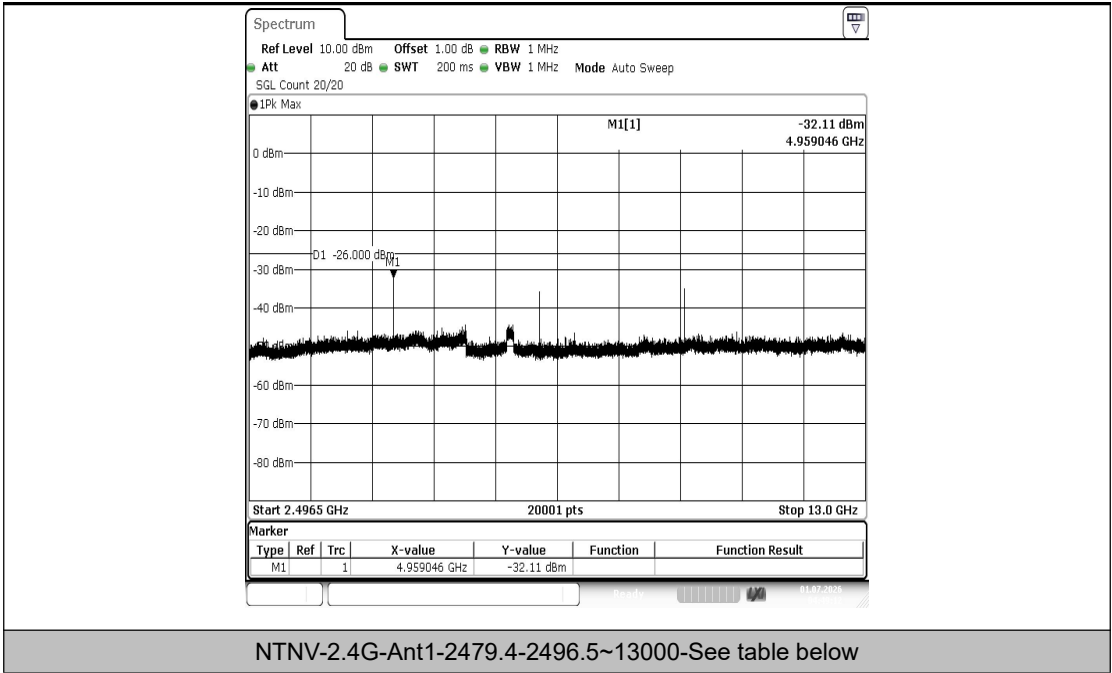












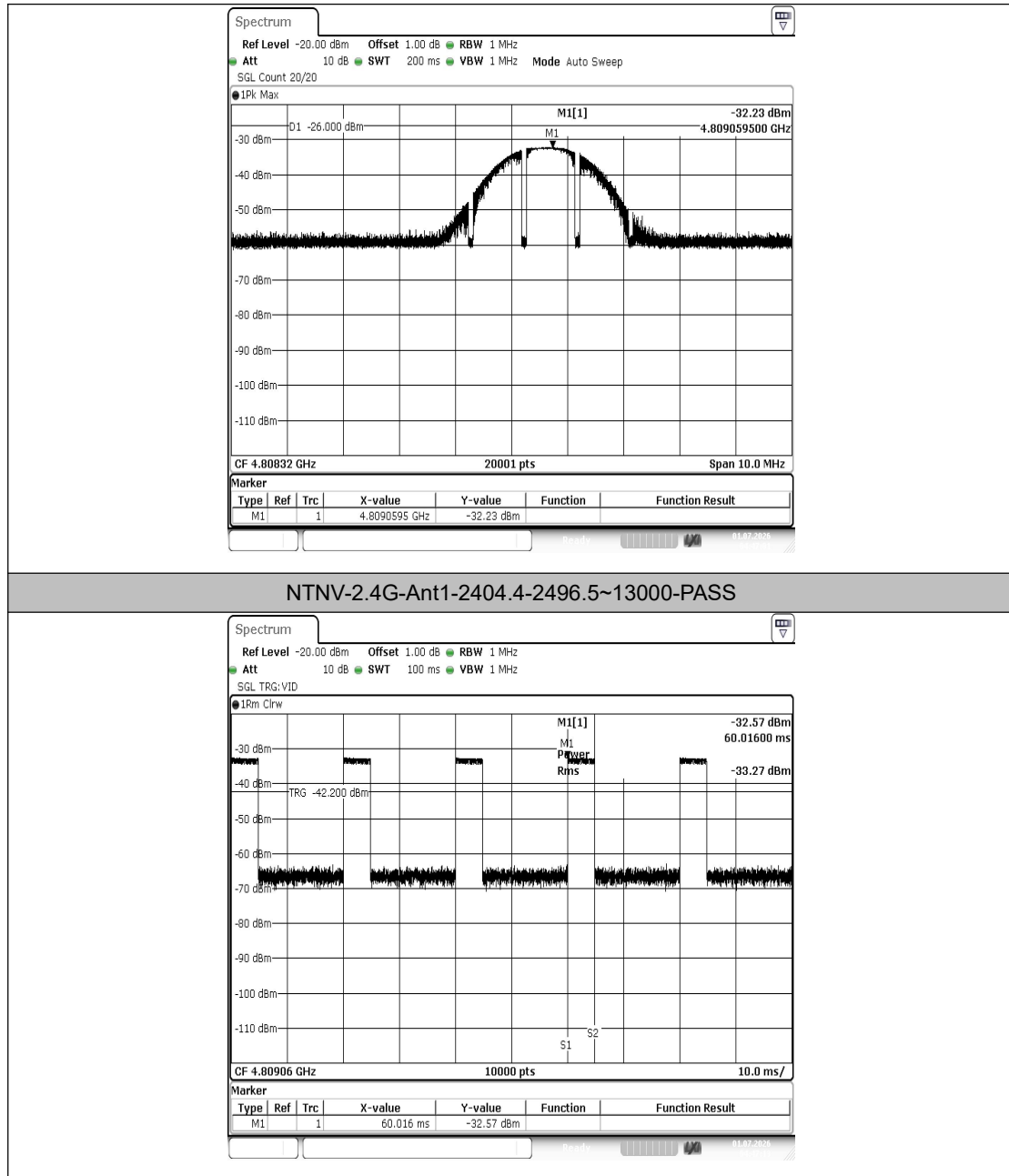
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## Test Graphs\_Step2

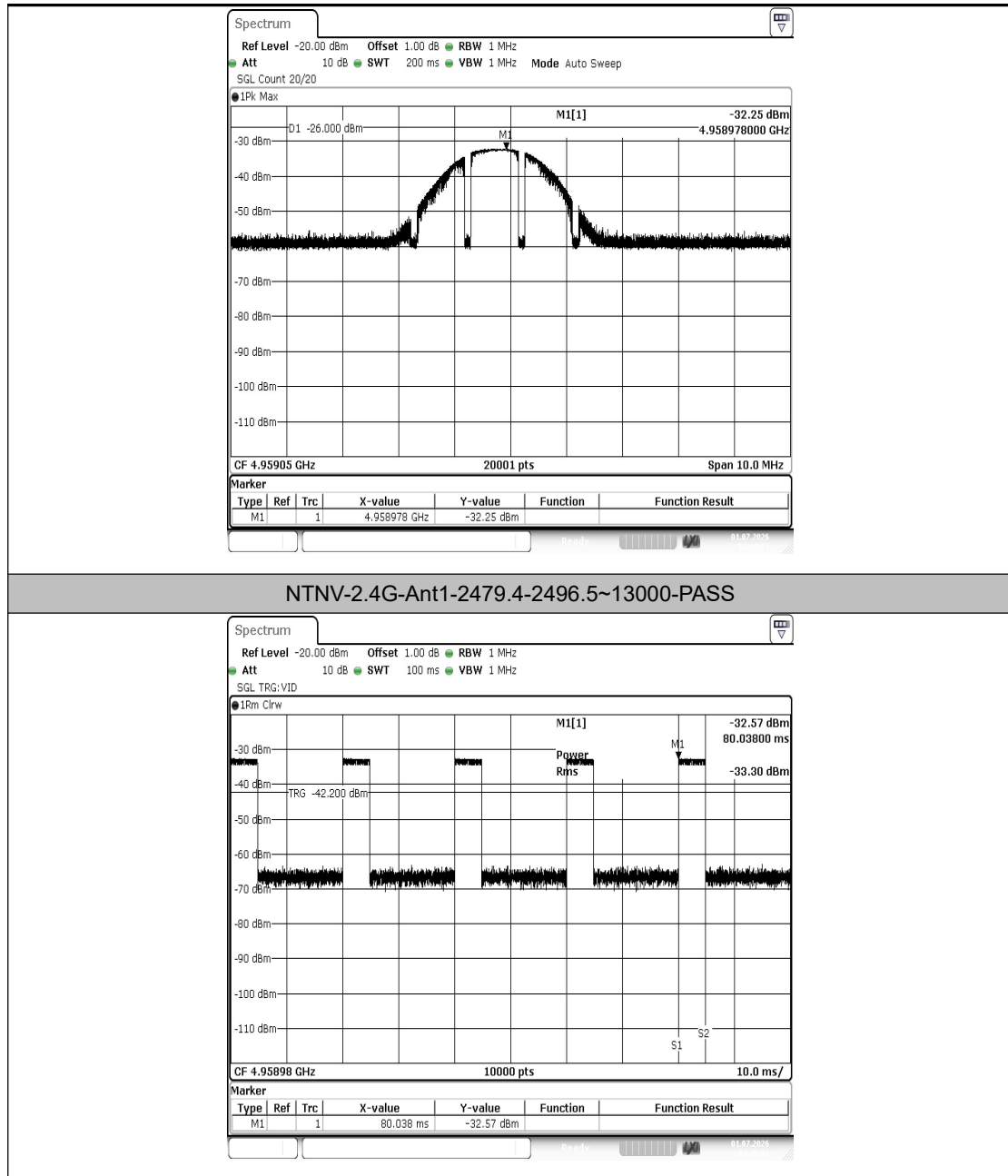


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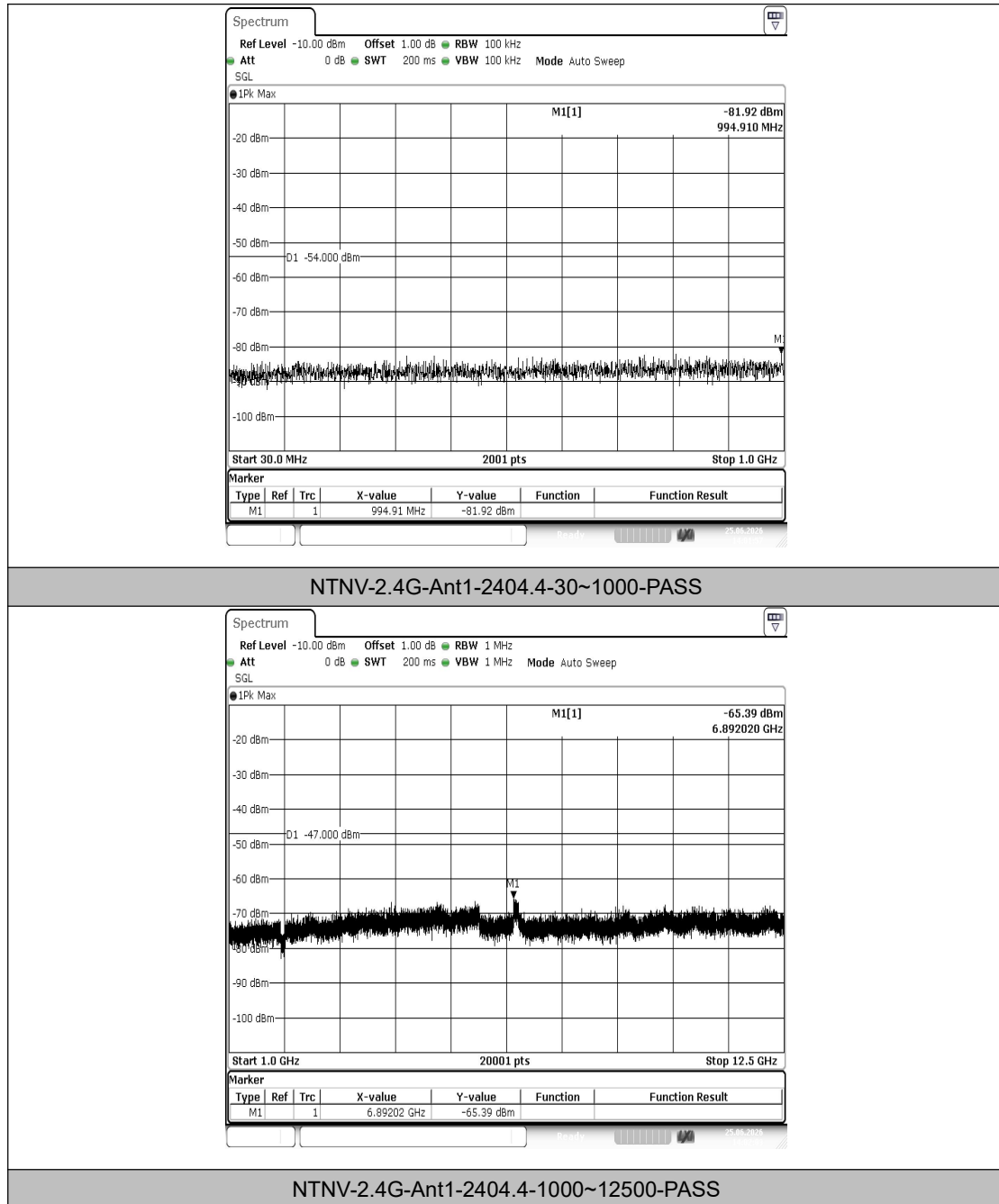
## Appendix F: Spurious Emission of RX

### Test Result

| Test Condition | Test Mode | Antenna | Frequency [MHz] | Freq.Range [MHz] | Freq. [MHz] | Result [dBm] | Limit [dBm] | Result [nW] | Limit [nW] | Verdict |
|----------------|-----------|---------|-----------------|------------------|-------------|--------------|-------------|-------------|------------|---------|
| NTNV           | 2.4G      | Ant1    | 2404.4          | 30~1000          | 994.91      | -81.92       | ≤-54        | 0.00643     | ≤4         | PASS    |
| NTNV           | 2.4G      | Ant1    | 2404.4          | 1000~12500       | 6892.02     | -65.39       | ≤-47        | 0.28907     | ≤20        | PASS    |
| NTNV           | 2.4G      | Ant1    | 2441.4          | 30~1000          | 990.06      | -81.91       | ≤-54        | 0.00644     | ≤4         | PASS    |
| NTNV           | 2.4G      | Ant1    | 2441.4          | 1000~12500       | 6951.81     | -65.48       | ≤-47        | 0.28314     | ≤20        | PASS    |
| NTNV           | 2.4G      | Ant1    | 2479.4          | 30~1000          | 346.79      | -81.77       | ≤-54        | 0.00665     | ≤4         | PASS    |
| NTNV           | 2.4G      | Ant1    | 2479.4          | 1000~12500       | 6940.32     | -66.57       | ≤-47        | 0.22029     | ≤20        | PASS    |



## Test Graphs



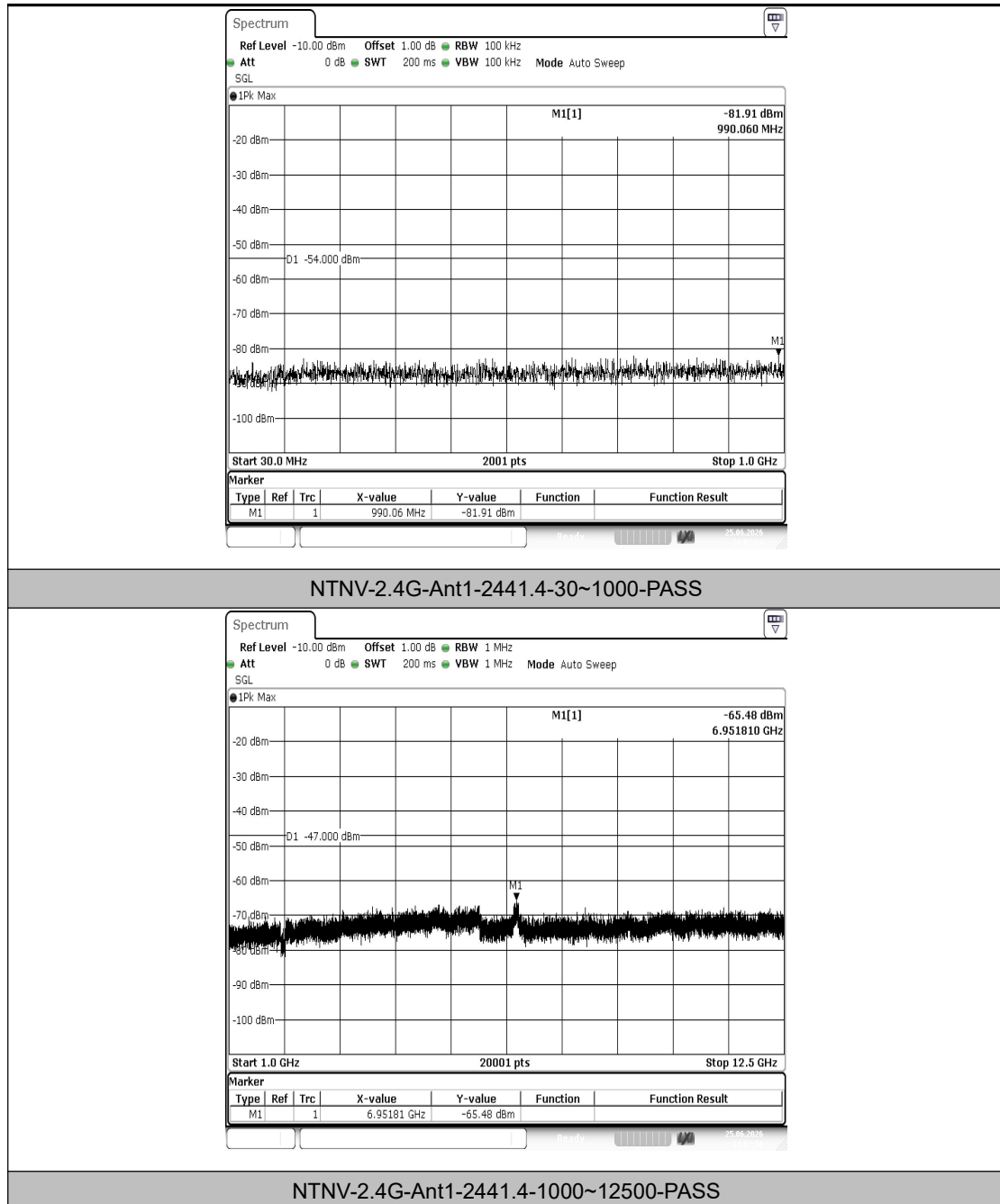
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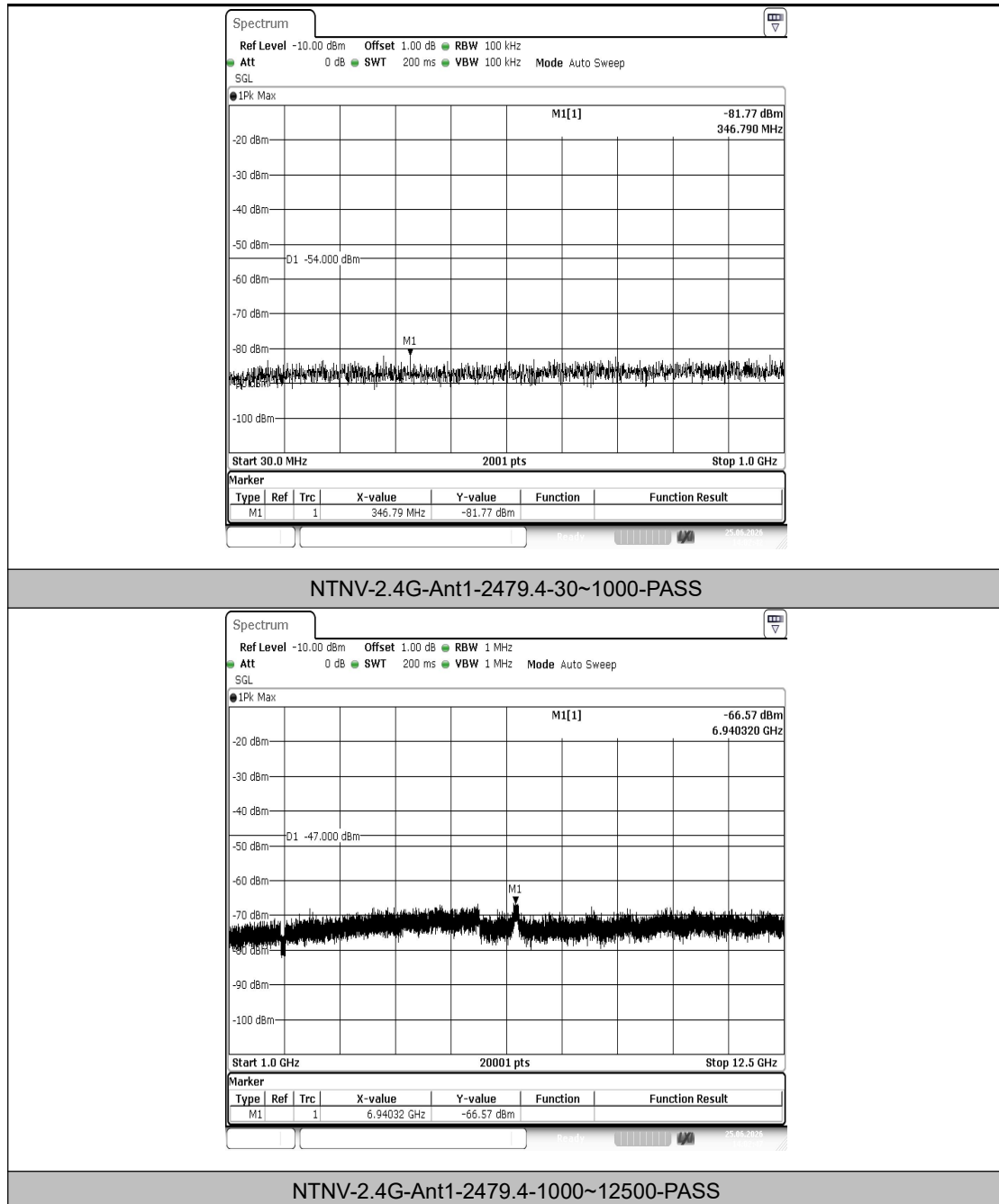
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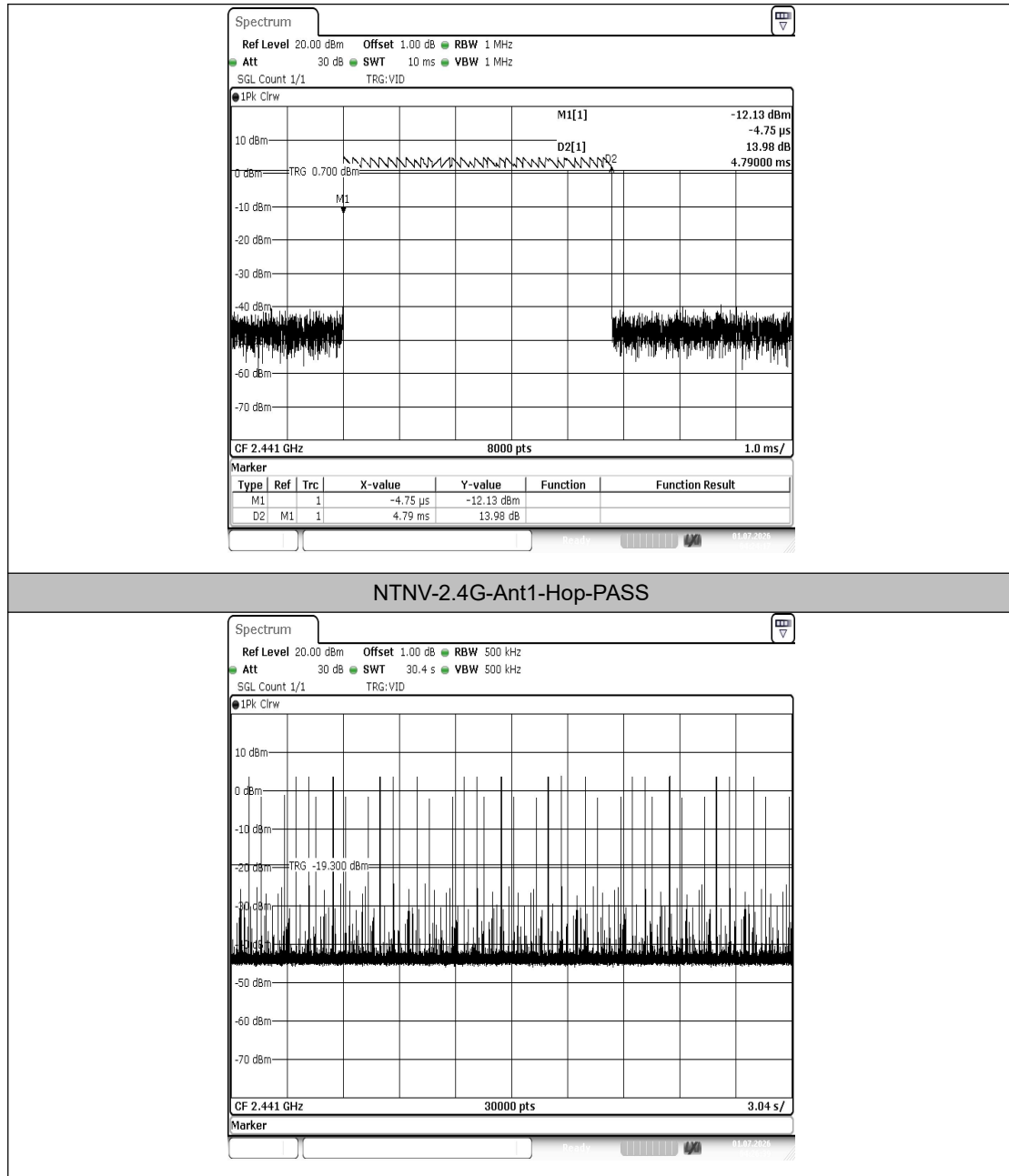
## Appendix G: Dwell Time

### Test Result

| Test Condition | Test Mode | Antenna | Frequency[MHz] | BurstWidth [ms] | TotalHops [Num] | Result[s] | Limit [s] | Verdict |
|----------------|-----------|---------|----------------|-----------------|-----------------|-----------|-----------|---------|
| NTNV           | 2.4G      | Ant1    | Hop            | 4.79            | 19              | 0.091     | ≤0.4      | PASS    |



## Test Graphs



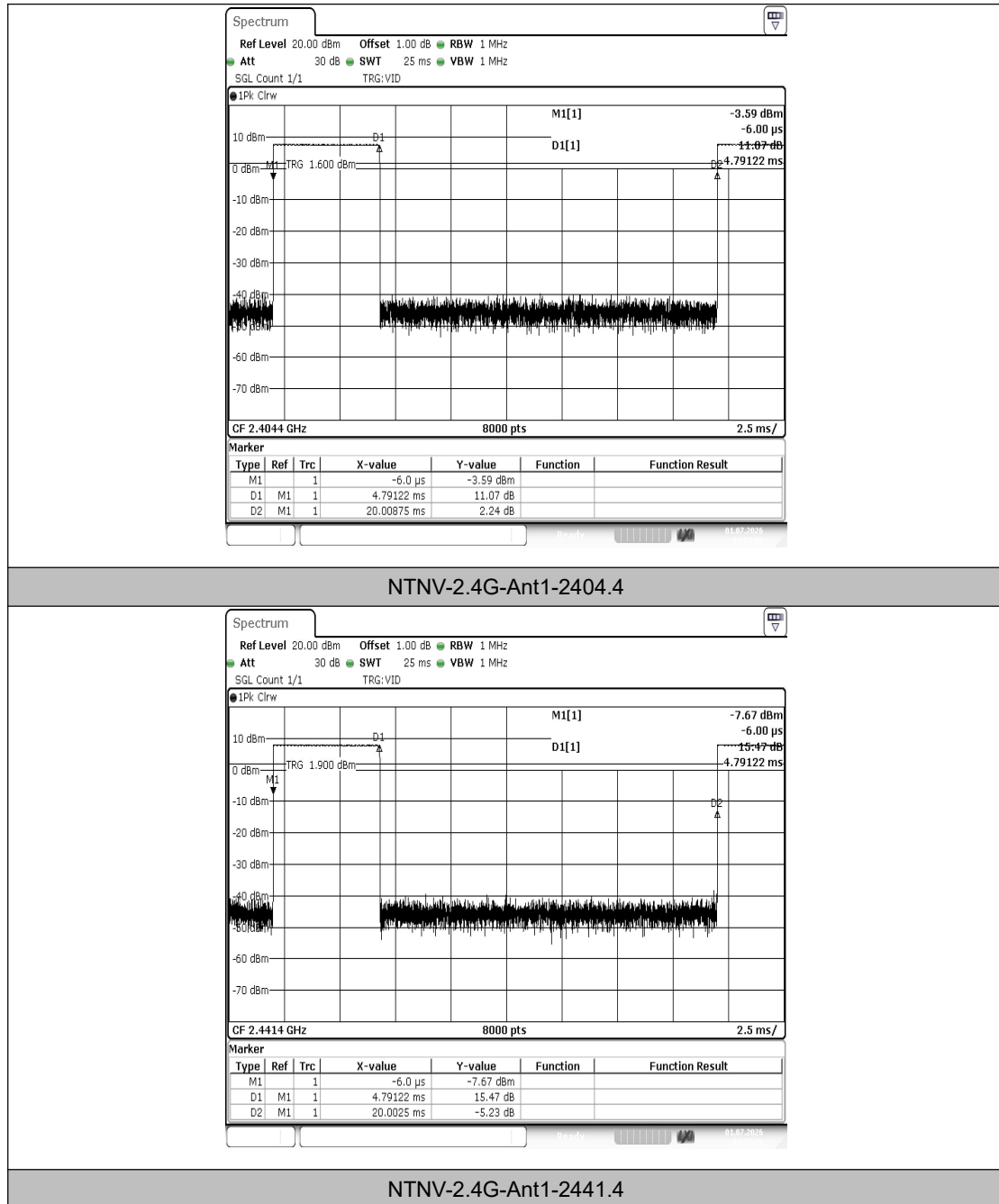
## Appendix F: Duty Cycle

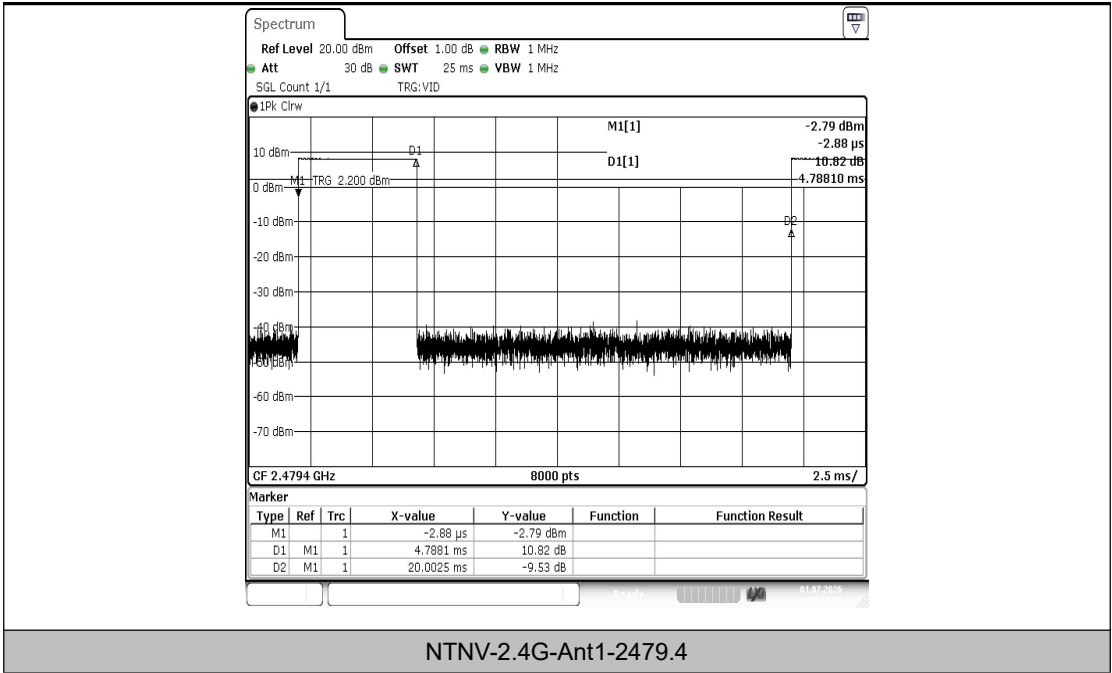
### Test Result

| Test Condition | Test Mode | Antenna | Frequency[MHz] | BurstWidth [ms] | Period [ms] | Result[%] |
|----------------|-----------|---------|----------------|-----------------|-------------|-----------|
| NTNV           | 2.4G      | Ant1    | 2404.4         | 4.79            | 20.01       | 23.94     |
| NTNV           | 2.4G      | Ant1    | 2441.4         | 4.79            | 20.00       | 23.95     |
| NTNV           | 2.4G      | Ant1    | 2479.4         | 4.79            | 20.00       | 23.95     |



## Test Graphs





---End---

