



## Appendix A for BT Test Data

Product Name: Digital Wireless Stereo Headphones

Test Model: RB-C10L

### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.4°C    |
| Relative Humidity: | 52.6%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Jerry Chu |
| Supervised by:     | Can Kun   |



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## A.1 Frequency Error

### Test Result

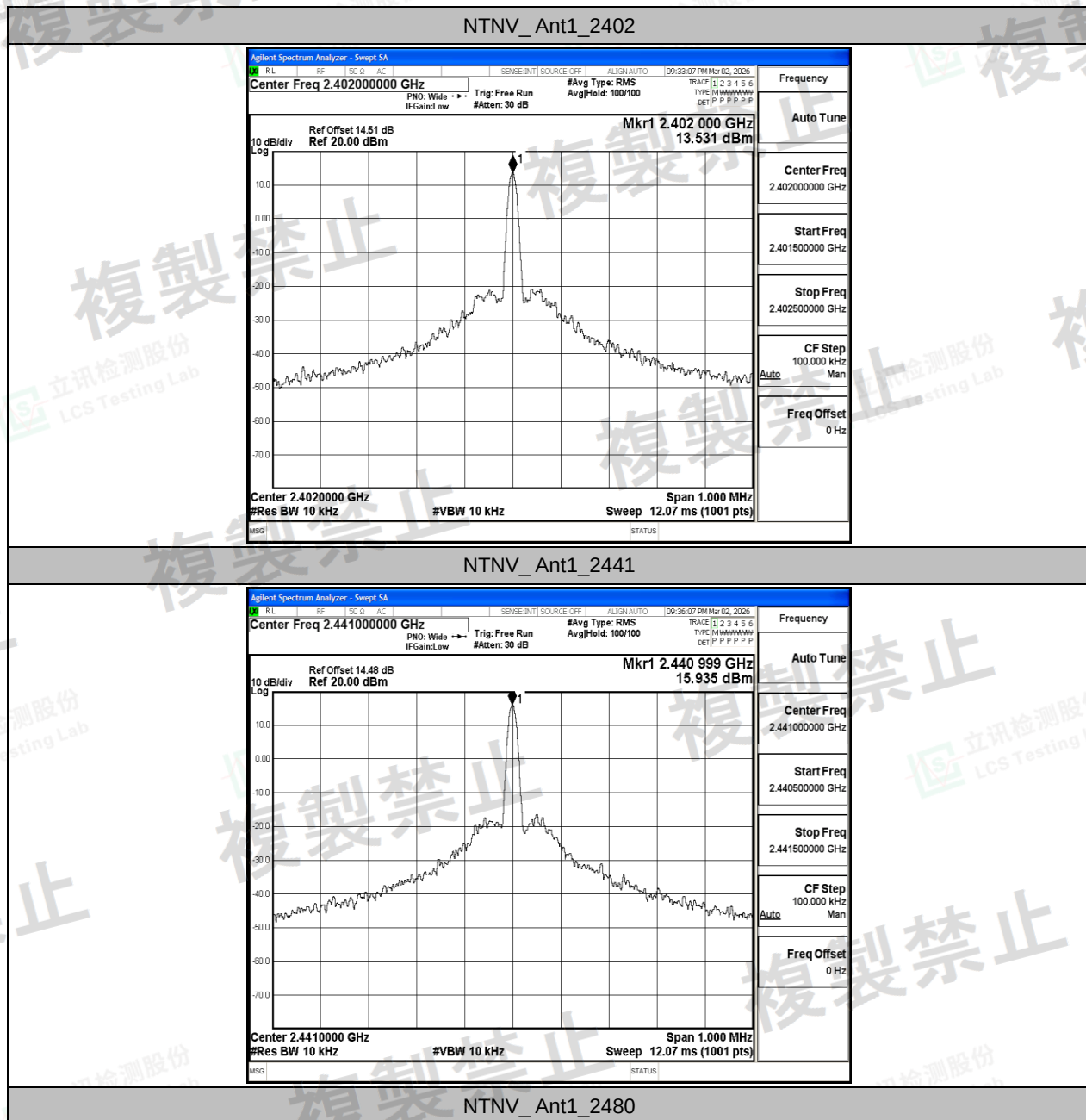
| TestCondition | TestMode        | Antenna | Frequency[MHz] | Result[ppm] | Limit[ppm] | Verdict |
|---------------|-----------------|---------|----------------|-------------|------------|---------|
| NTNV          | Frequency Error | Ant1    | 2402           | 0.00000     | ±50        | PASS    |
|               |                 |         | 2441           | -0.40967    | ±50        | PASS    |
|               |                 |         | 2480           | -0.40323    | ±50        | PASS    |

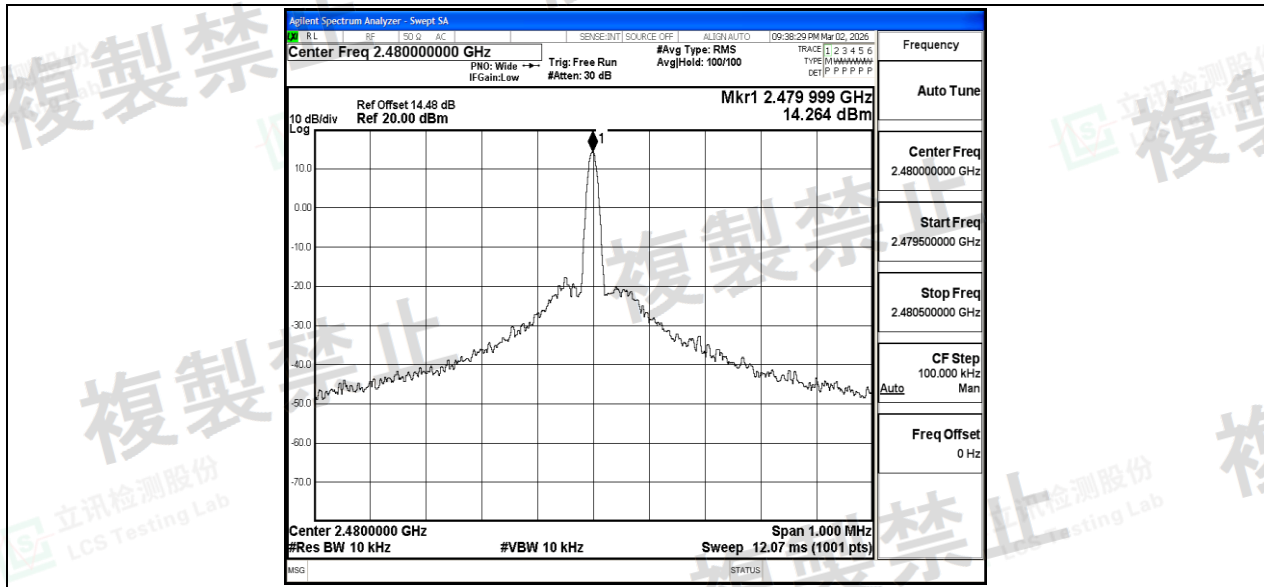


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## Test Graphs







## A.2 Antenna Power

### Test Result

| Test Voltage       |                |                |                | Normal Voltage |          |           |       |
|--------------------|----------------|----------------|----------------|----------------|----------|-----------|-------|
| Mode               | Declared power | Average Result | Average Result | Result         | Limit    | Tolerance | Limit |
|                    | (mW/MHz)       | (dBm)          | (mW)           | (mW/MHz)       | (mW/MHz) | /         | /     |
| Hopping-Tx (1Mbps) | 0.1            | 7.50           | 5.623          | 0.106          | 3        | 6.00%     | +20%  |
| Hopping-Tx (2Mbps) | 0.1            | 7.30           | 5.370          | 0.101          | 3        | 1.00%     | +20%  |
| Hopping-Tx (3Mbps) | 0.1            | 7.18           | 5.224          | 0.098          | 3        | -2.00%    | +20%  |
| Conclusion: PASS   |                |                |                |                |          |           |       |

Result power= Average value / (Duty Cycle \* Spreading bandwidth)

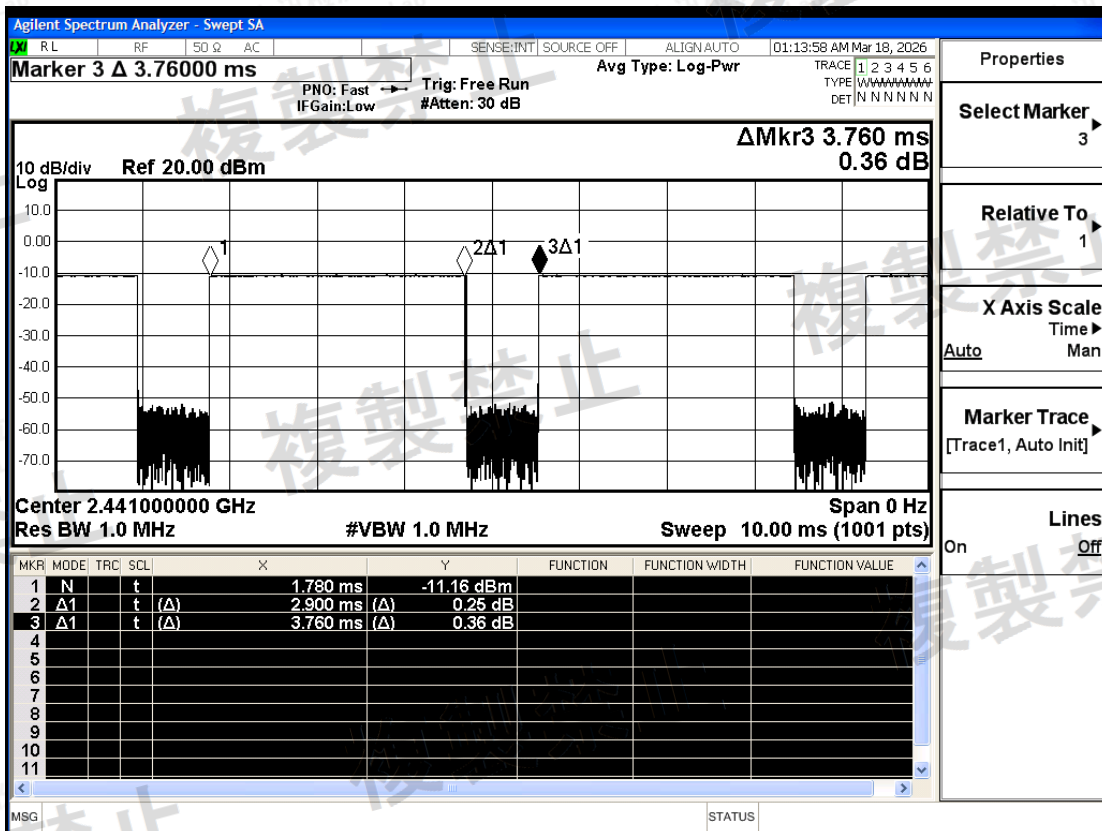
Antenna power Result = Measured Power / Spreading bandwidth

Spread Bandwidth (DH5) = 68.797MHz, Spread Bandwidth (2DH5) = 68.884MHz,

Spread Bandwidth (3DH5) = 68.862MHz

Duty cycle=77.1%

Duty cycle= [Ton/ (Ton+Toff)]\*100%=2.900/3.760\*100%=77.1%





### A.3 Occupied Bandwidth

#### Test Result

| TestCondition | TestMode | Antenna | Frequency[MHz] | Result [MHz] | Limit [MHz] | Verdict |
|---------------|----------|---------|----------------|--------------|-------------|---------|
| NTNV          | DH5      | Ant1    | 2402           | 0.860        | ≤83.5       | PASS    |
|               |          |         | 2441           | 0.864        | ≤83.5       | PASS    |
|               |          |         | 2480           | 0.860        | ≤83.5       | PASS    |
|               | 2DH5     | Ant1    | 2402           | 1.184        | ≤83.5       | PASS    |
|               |          |         | 2441           | 1.186        | ≤83.5       | PASS    |
|               |          |         | 2480           | 1.185        | ≤83.5       | PASS    |
|               | 3DH5     | Ant1    | 2402           | 1.181        | ≤83.5       | PASS    |
|               |          |         | 2441           | 1.187        | ≤83.5       | PASS    |
|               |          |         | 2480           | 1.186        | ≤83.5       | PASS    |

| TestCondition | TestMode | Antenna | Frequency[MHz] | Result [MHz] | Limit [MHz] | Verdict |
|---------------|----------|---------|----------------|--------------|-------------|---------|
| NTNV          | DH5      | Ant1    | Hop            | 78.301       | ≤83.5       | PASS    |
|               | 2DH5     | Ant1    | Hop            | 78.522       | ≤83.5       | PASS    |
|               | 3DH5     | Ant1    | Hop            | 78.516       | ≤83.5       | PASS    |

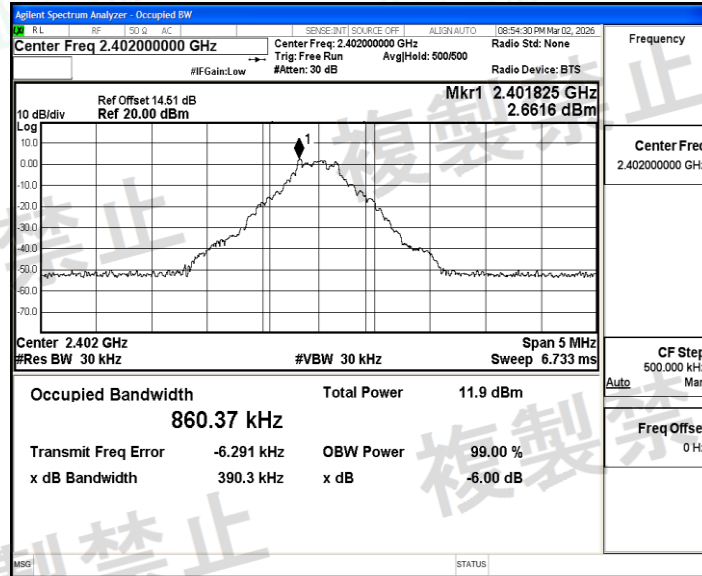


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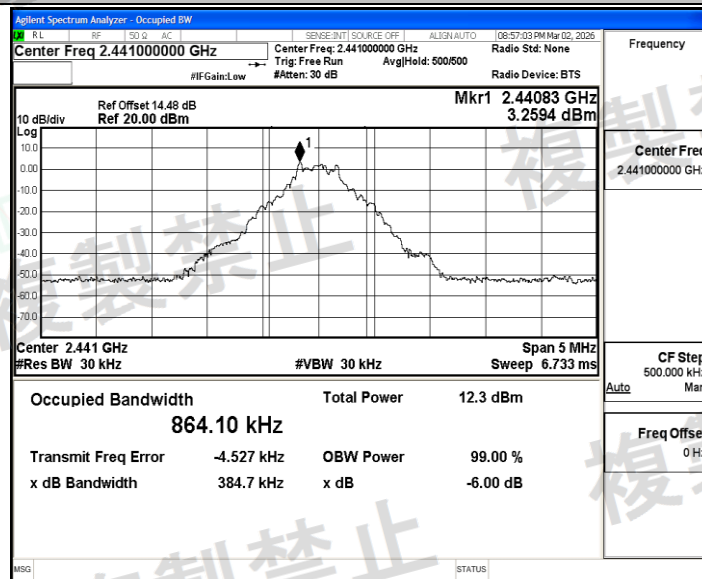


## Test Graphs

NTNV\_DH5\_Ant1\_2402

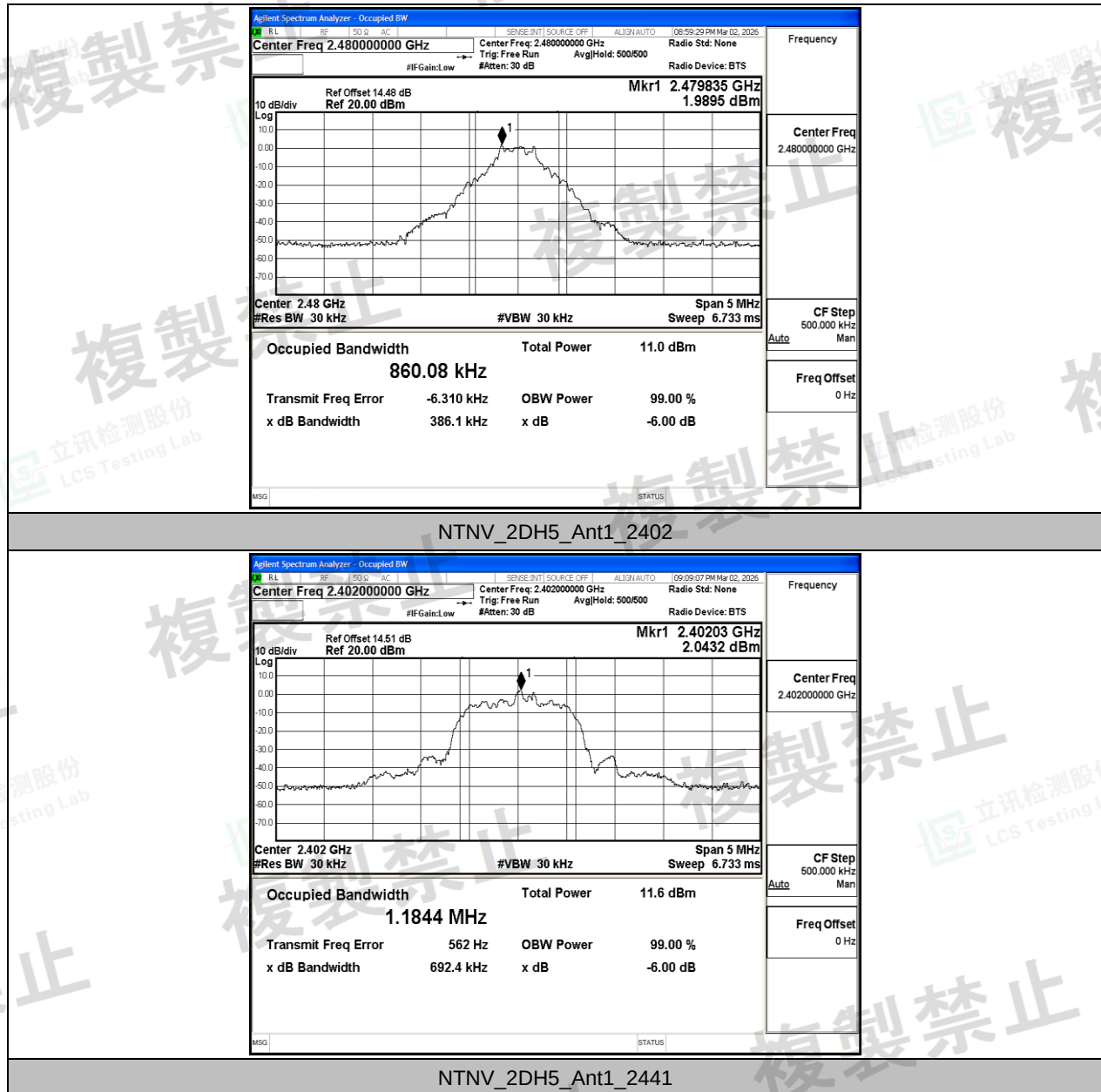


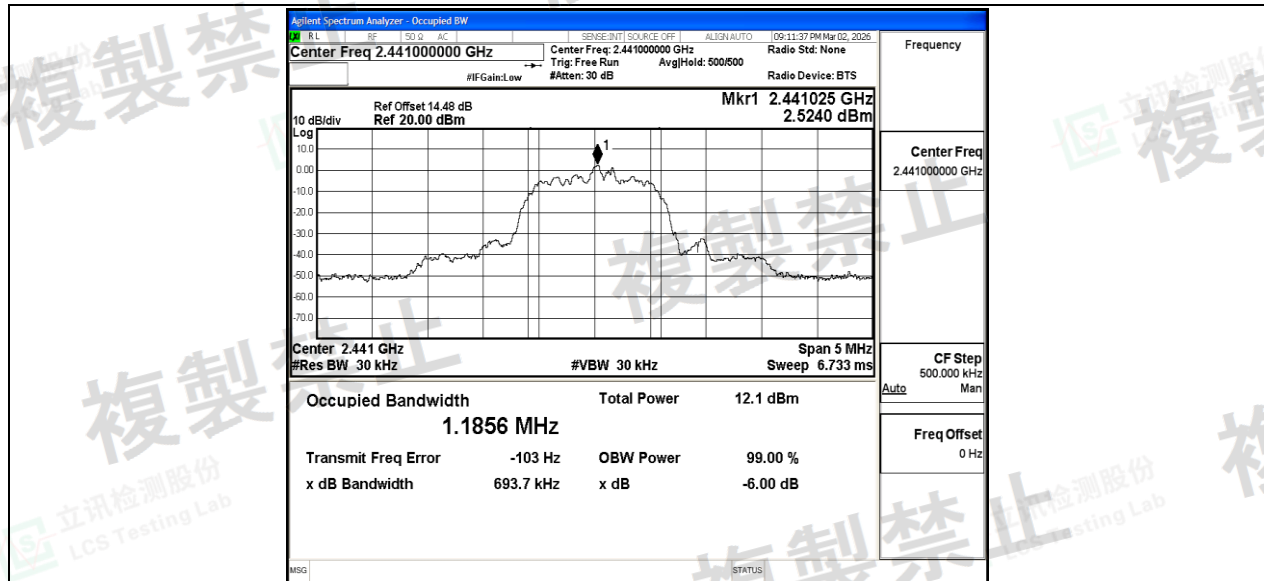
NTNV\_DH5\_Ant1\_2441



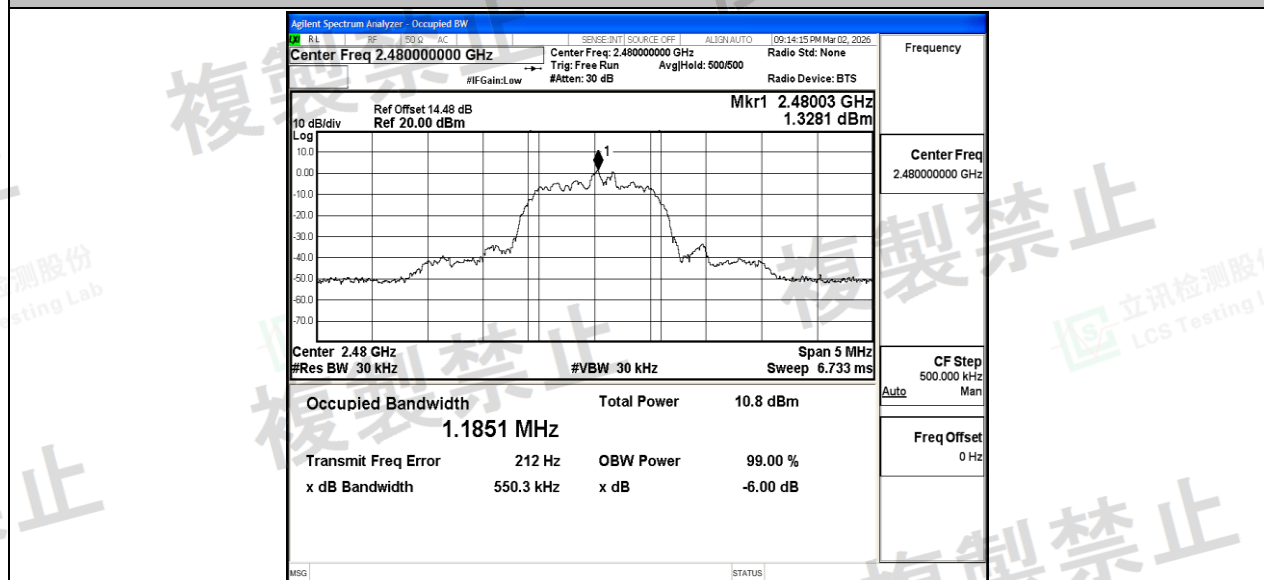
NTNV\_DH5\_Ant1\_2480





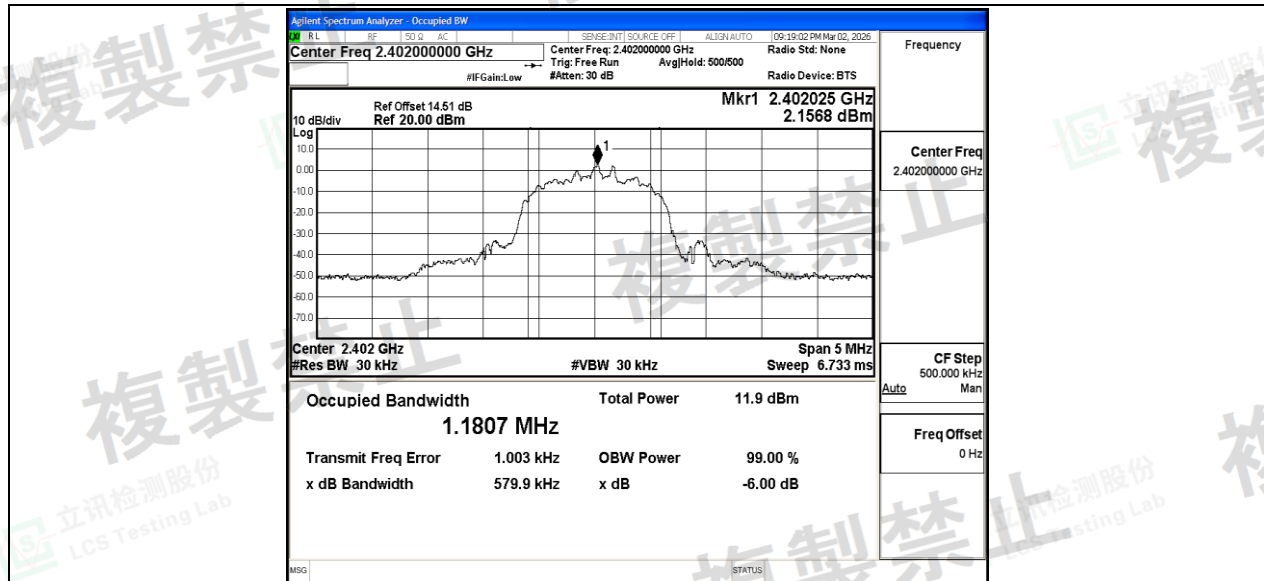


NTNV\_2DH5\_Ant1\_2480

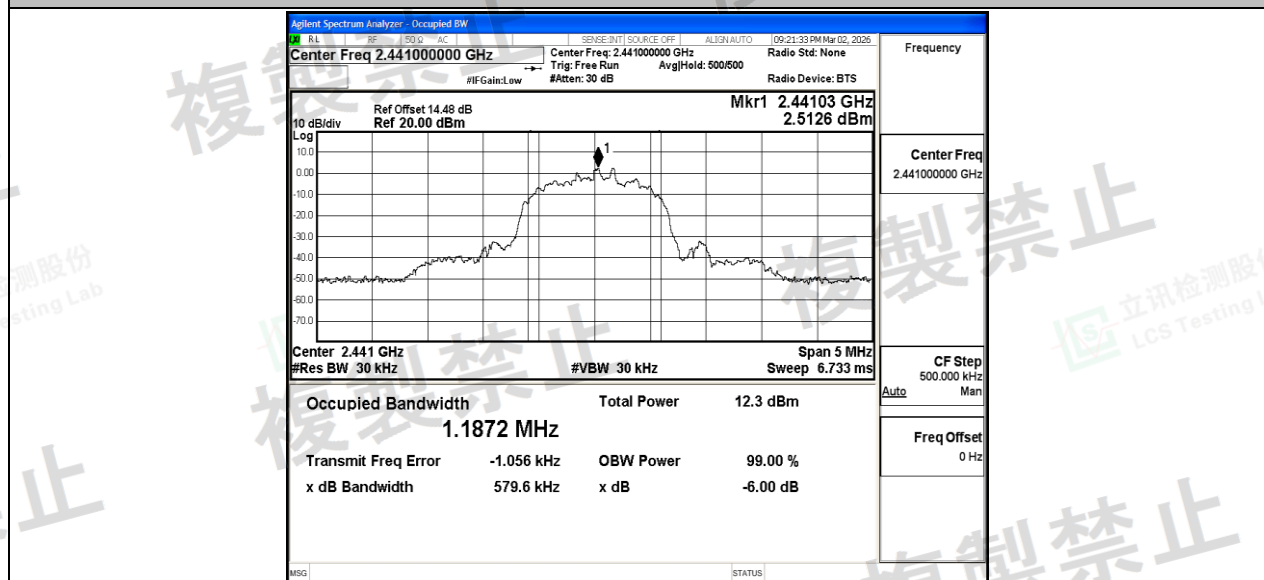


NTNV\_3DH5\_Ant1\_2402



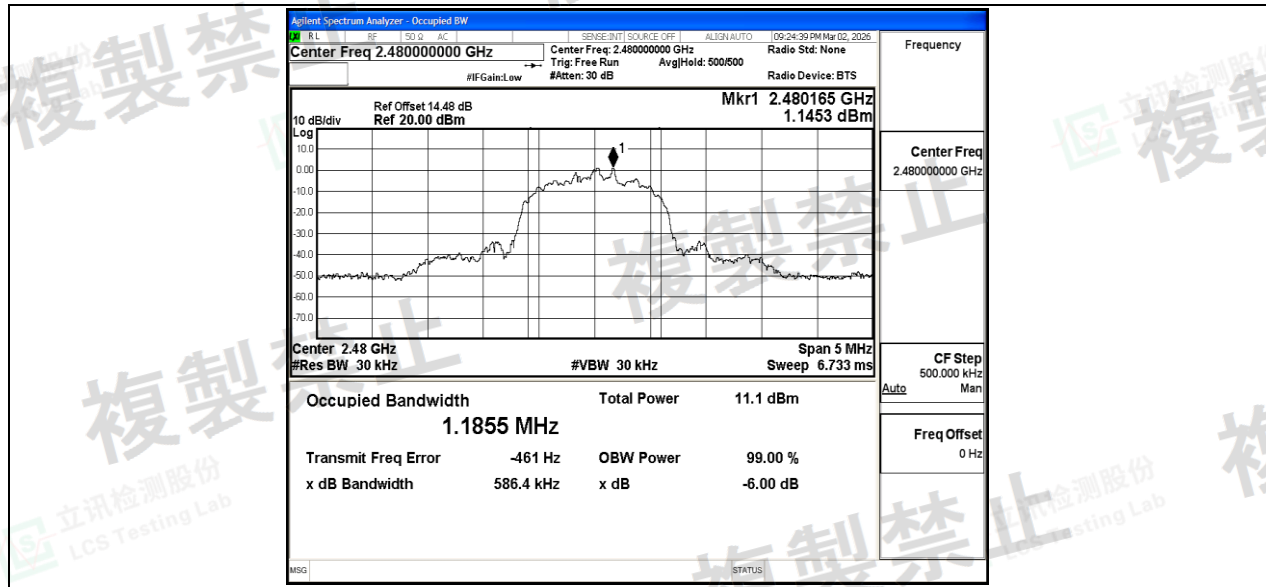


NTNV\_3DH5\_Ant1\_2441



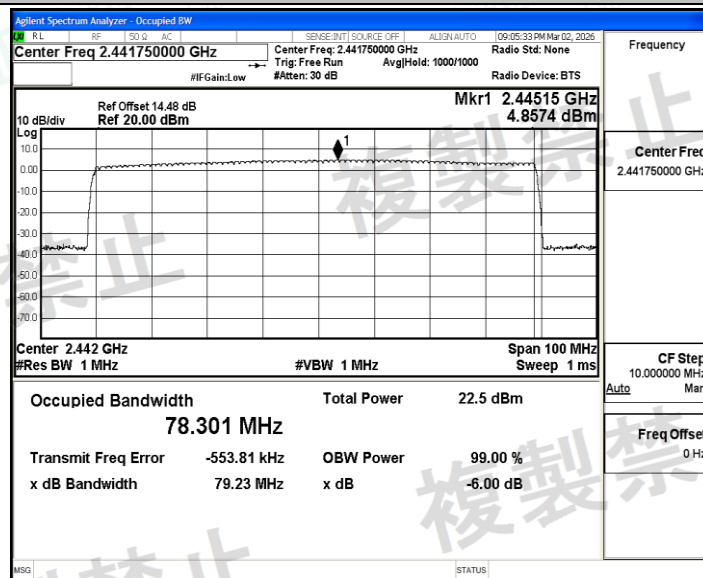
NTNV\_3DH5\_Ant1\_2480



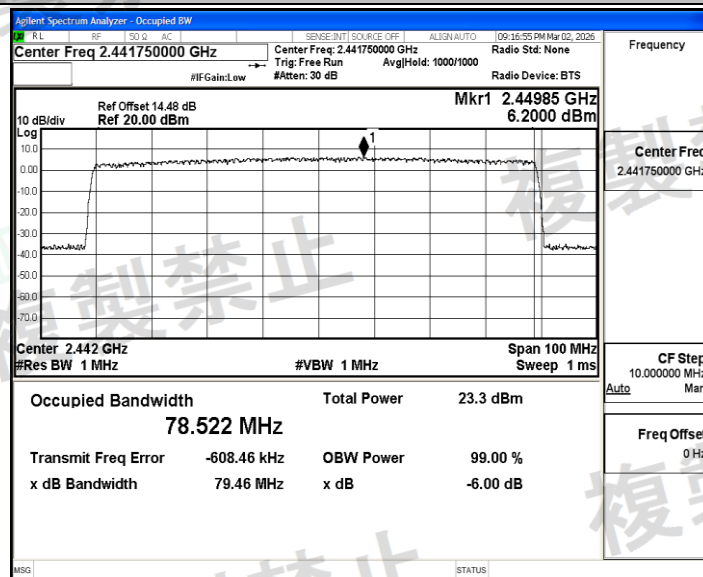




## NTNV\_DH5\_Ant1\_Hop

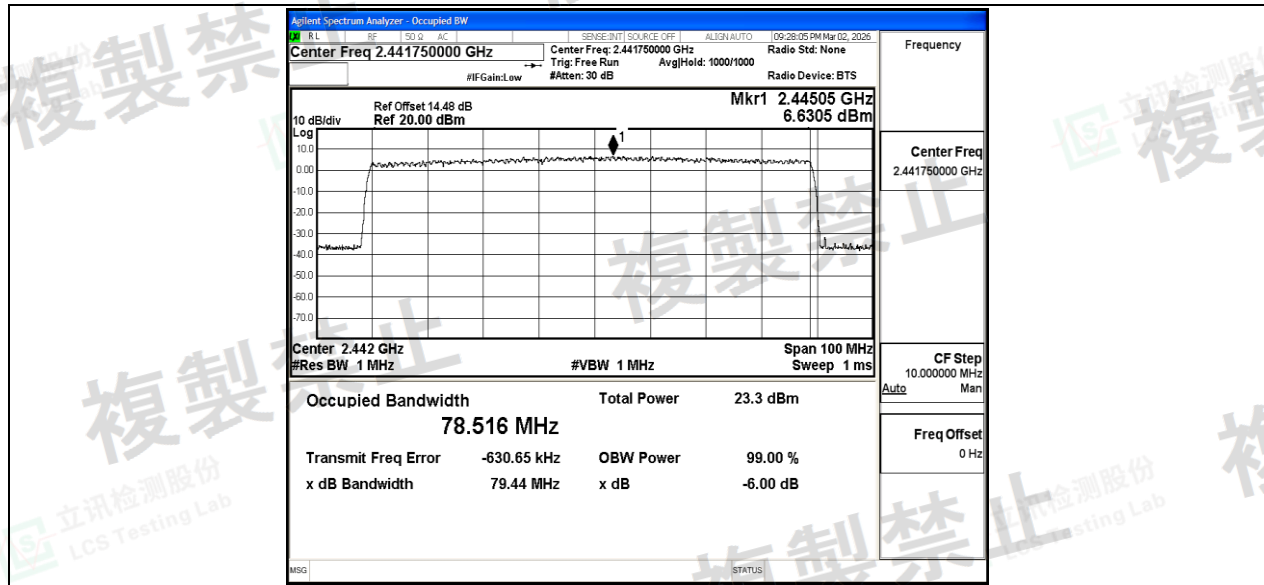


## NTNV\_2DH5\_Ant1\_Hop



## NTNV\_3DH5\_Ant1\_Hop







## A.4 Spread Bandwidth

### Test Result

| TestCondition | TestMode | Antenna | Frequency[MHz] | Result [MHz] | Limit [MHz] | Verdict |
|---------------|----------|---------|----------------|--------------|-------------|---------|
| NTNV          | DH5      | Ant1    | Hop            | 68.797       | ---         | PASS    |
|               | 2DH5     | Ant1    | Hop            | 68.884       | ---         | PASS    |
|               | 3DH5     | Ant1    | Hop            | 68.862       | ---         | PASS    |



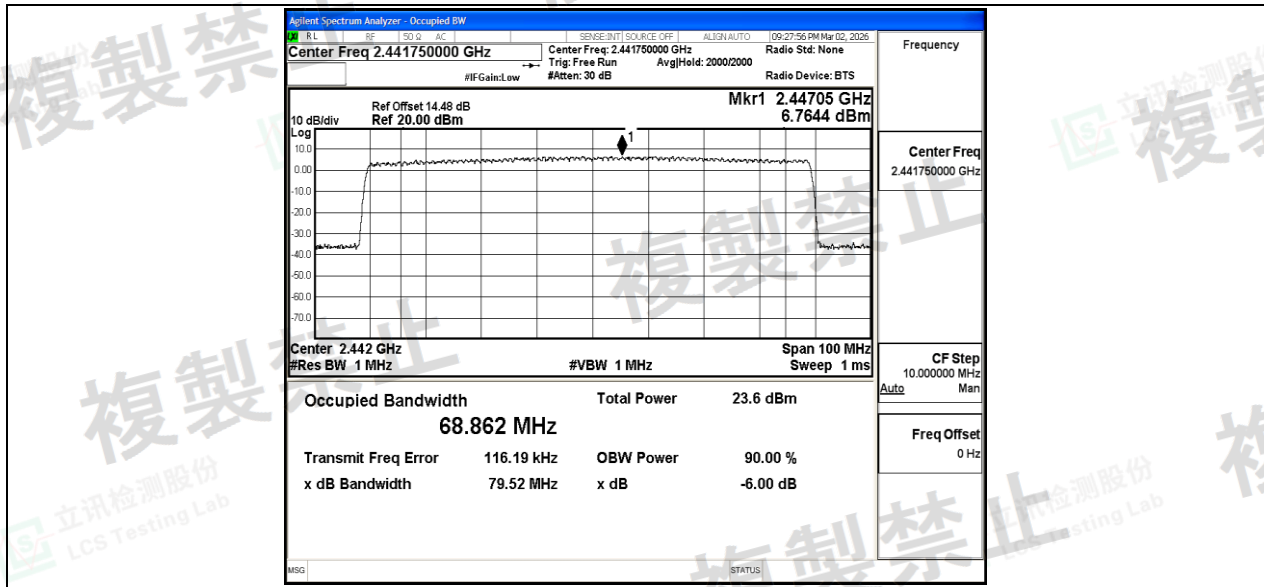
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## Test Graphs



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## A.5 Spurious Emission of TX

### Test Result

| TestCondition | TestMode | Antenna | Frequency[MHz] | Freq.Range [MHz] | Result [dBm] | Limit [dBm] | Result [μW] | Limit [μW] | Verdict |
|---------------|----------|---------|----------------|------------------|--------------|-------------|-------------|------------|---------|
| NTNV          | DH5      | Ant1    | 2402           | 30~1000          | -50.37       | ≤-26        | 0.00918     | ≤2.5       | PASS    |
|               |          |         |                | 1000~2387        | -48.54       | ≤-26        | 0.01400     | ≤2.5       | PASS    |
|               |          |         |                | 2387~2400        | -40.34       | ≤-16        | 0.09247     | ≤25        | PASS    |
|               |          |         |                | 2483.5~2496.5    | -43.19       | ≤-16        | 0.04797     | ≤25        | PASS    |
|               |          |         |                | 2496.5~13000     | -45.39       | ≤-26        | 0.02891     | ≤2.5       | PASS    |
|               |          |         | 2441           | 30~1000          | -49.19       | ≤-26        | 0.01205     | ≤2.5       | PASS    |
|               |          |         |                | 1000~2387        | -51.42       | ≤-26        | 0.00721     | ≤2.5       | PASS    |
|               |          |         |                | 2387~2400        | -43.19       | ≤-16        | 0.04797     | ≤25        | PASS    |
|               |          |         |                | 2483.5~2496.5    | -43.36       | ≤-16        | 0.04613     | ≤25        | PASS    |
|               |          |         |                | 2496.5~13000     | -44.37       | ≤-26        | 0.03656     | ≤2.5       | PASS    |
|               |          | 2480    | 2480           | 30~1000          | -49.45       | ≤-26        | 0.01135     | ≤2.5       | PASS    |
|               |          |         |                | 1000~2387        | -47.71       | ≤-26        | 0.01694     | ≤2.5       | PASS    |
|               |          |         |                | 2387~2400        | -43.39       | ≤-16        | 0.04581     | ≤25        | PASS    |
|               |          |         |                | 2483.5~2496.5    | -43.23       | ≤-16        | 0.04753     | ≤25        | PASS    |
|               |          |         |                | 2496.5~13000     | -45.27       | ≤-26        | 0.02972     | ≤2.5       | PASS    |
|               | 2DH5     | Ant1    | 2402           | 30~1000          | -50.92       | ≤-26        | 0.00809     | ≤2.5       | PASS    |
|               |          |         |                | 1000~2387        | -46.47       | ≤-26        | 0.02254     | ≤2.5       | PASS    |
|               |          |         |                | 2387~2400        | -33.21       | ≤-16        | 0.47753     | ≤25        | PASS    |
|               |          |         |                | 2483.5~2496.5    | -43.24       | ≤-16        | 0.04742     | ≤25        | PASS    |
|               |          |         |                | 2496.5~13000     | -45.22       | ≤-26        | 0.03006     | ≤2.5       | PASS    |
|               |          |         | 2441           | 30~1000          | -50.62       | ≤-26        | 0.00867     | ≤2.5       | PASS    |
|               |          |         |                | 1000~2387        | -46.47       | ≤-26        | 0.02254     | ≤2.5       | PASS    |
|               |          |         |                | 2387~2400        | -43.49       | ≤-16        | 0.04477     | ≤25        | PASS    |
|               |          |         |                | 2483.5~2496.5    | -43.05       | ≤-16        | 0.04955     | ≤25        | PASS    |
|               |          |         |                | 2496.5~13000     | -45.01       | ≤-26        | 0.03155     | ≤2.5       | PASS    |
|               |          |         | 2480           | 30~1000          | -49.79       | ≤-26        | 0.01050     | ≤2.5       | PASS    |
|               |          |         |                | 1000~2387        | -50.93       | ≤-26        | 0.00807     | ≤2.5       | PASS    |
|               |          |         |                | 2387~2400        | -43.16       | ≤-16        | 0.04831     | ≤25        | PASS    |
|               |          |         |                | 2483.5~2496.5    | -43.46       | ≤-16        | 0.04508     | ≤25        | PASS    |
|               |          |         |                | 2496.5~13000     | -45.95       | ≤-26        | 0.02541     | ≤2.5       | PASS    |
|               | 3DH5     | Ant1    | 2402           | 30~1000          | -49.78       | ≤-26        | 0.01052     | ≤2.5       | PASS    |
|               |          |         |                | 1000~2387        | -49.11       | ≤-26        | 0.01227     | ≤2.5       | PASS    |
|               |          |         |                | 2387~2400        | -33.12       | ≤-16        | 0.48753     | ≤25        | PASS    |
|               |          |         |                | 2483.5~2496.5    | -43.38       | ≤-16        | 0.04592     | ≤25        | PASS    |
|               |          |         |                | 2496.5~13000     | -45.57       | ≤-26        | 0.02773     | ≤2.5       | PASS    |
|               |          |         | 2441           | 30~1000          | -50.29       | ≤-26        | 0.00935     | ≤2.5       | PASS    |





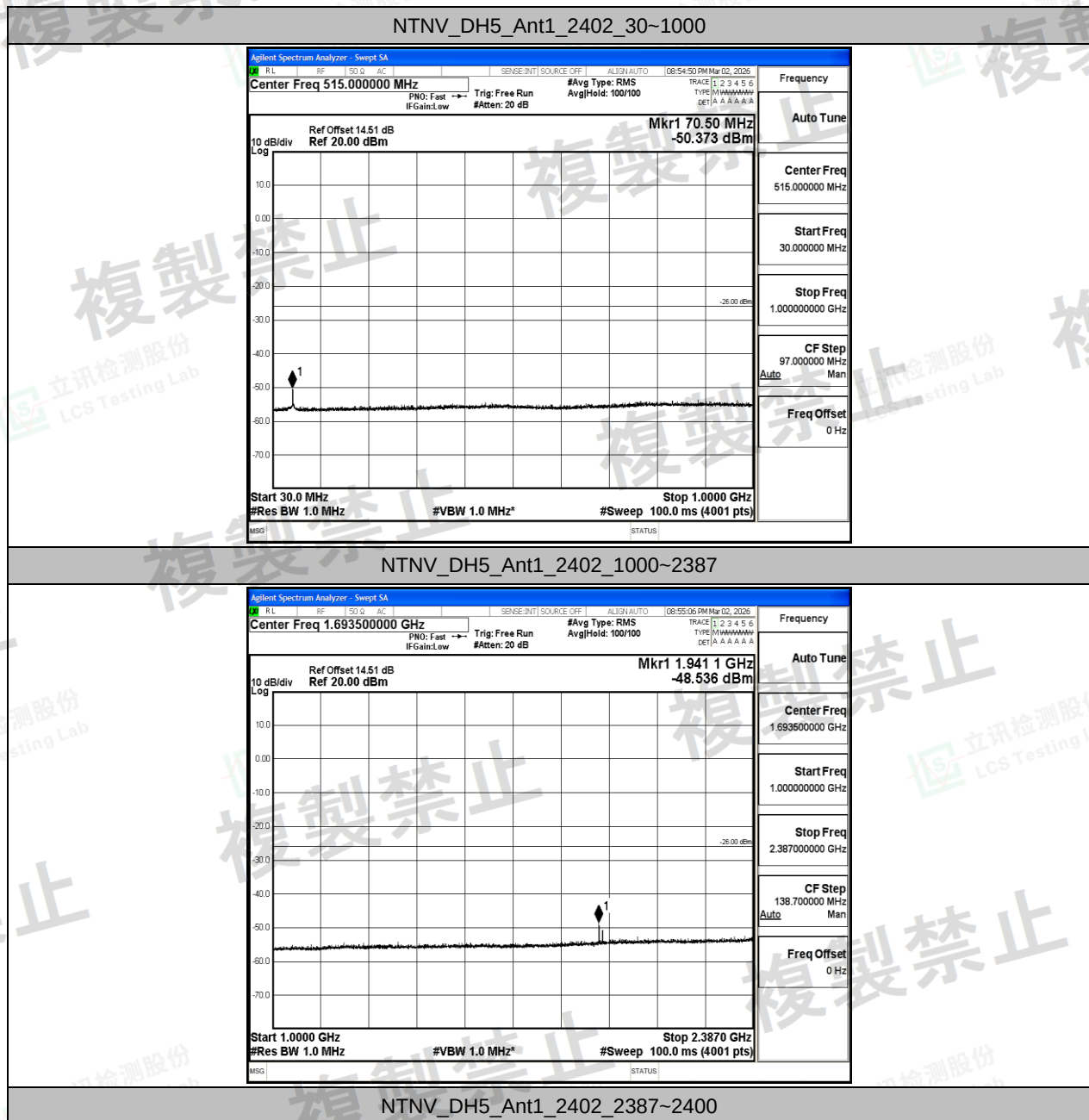
|  |  |      |               |        |            |         |            |      |
|--|--|------|---------------|--------|------------|---------|------------|------|
|  |  |      | 1000~2387     | -49.75 | $\leq -26$ | 0.01059 | $\leq 2.5$ | PASS |
|  |  |      | 2387~2400     | -43.46 | $\leq -16$ | 0.04508 | $\leq 25$  | PASS |
|  |  |      | 2483.5~2496.5 | -43.13 | $\leq -16$ | 0.04864 | $\leq 25$  | PASS |
|  |  |      | 2496.5~13000  | -45.73 | $\leq -26$ | 0.02673 | $\leq 2.5$ | PASS |
|  |  | 2480 | 30~1000       | -39.04 | $\leq -26$ | 0.12474 | $\leq 2.5$ | PASS |
|  |  |      | 1000~2387     | -47.34 | $\leq -26$ | 0.01845 | $\leq 2.5$ | PASS |
|  |  |      | 2387~2400     | -43.37 | $\leq -16$ | 0.04603 | $\leq 25$  | PASS |
|  |  |      | 2483.5~2496.5 | -43.06 | $\leq -16$ | 0.04943 | $\leq 25$  | PASS |
|  |  |      | 2496.5~13000  | -41.41 | $\leq -26$ | 0.07228 | $\leq 2.5$ | PASS |

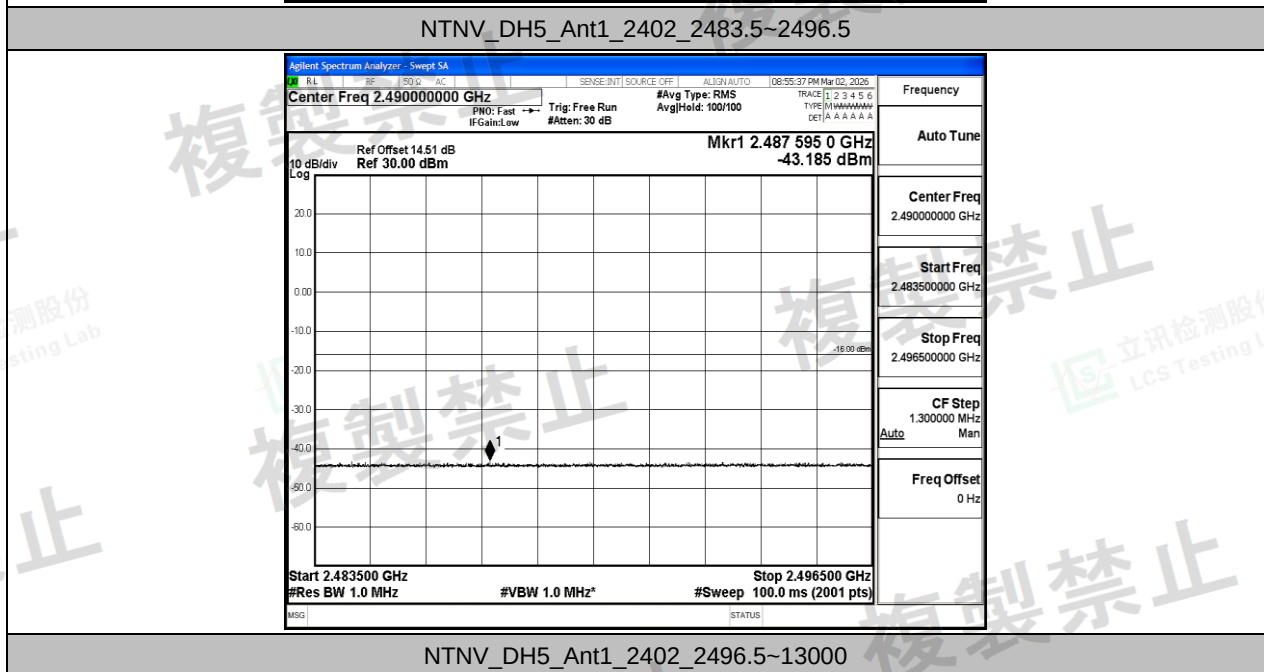
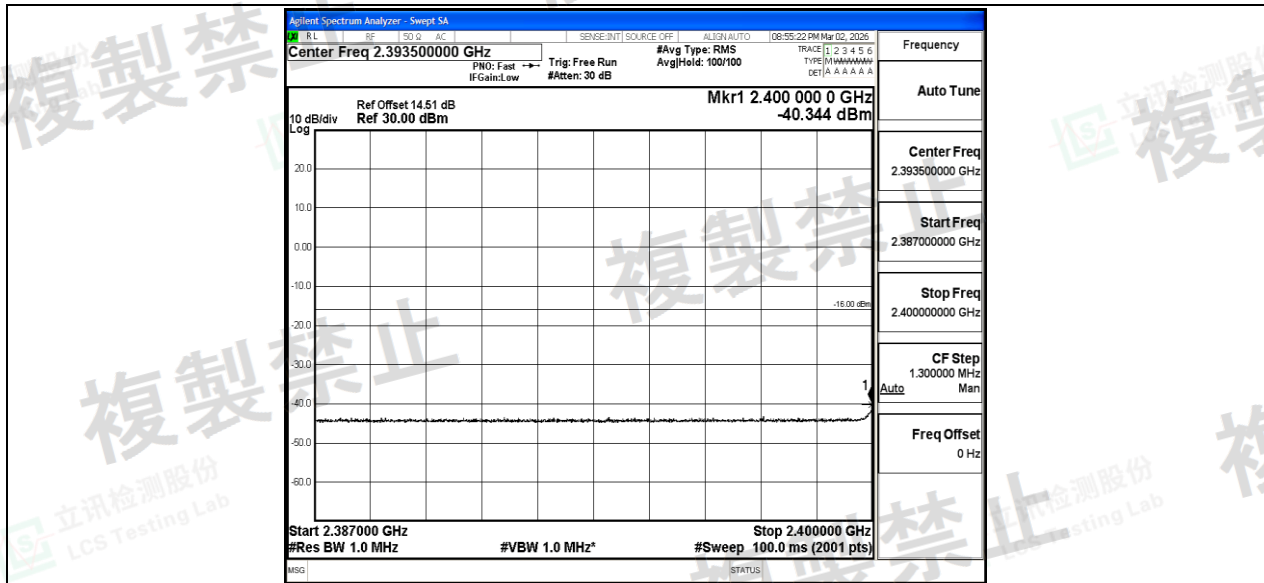


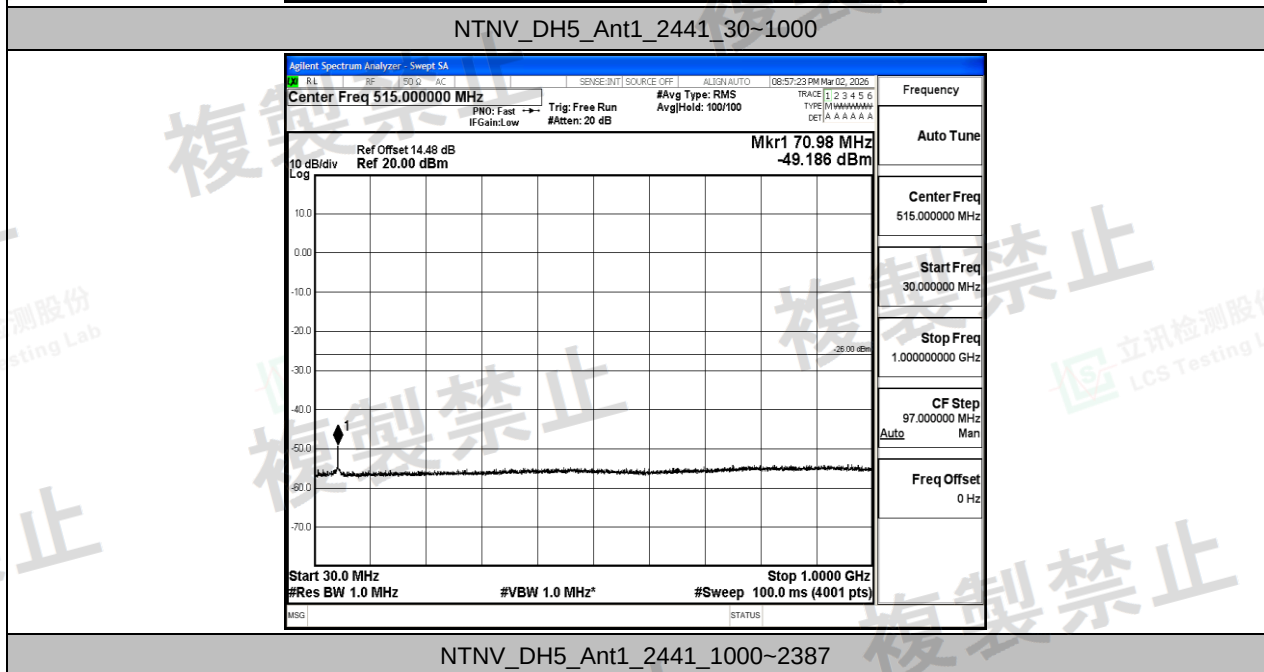
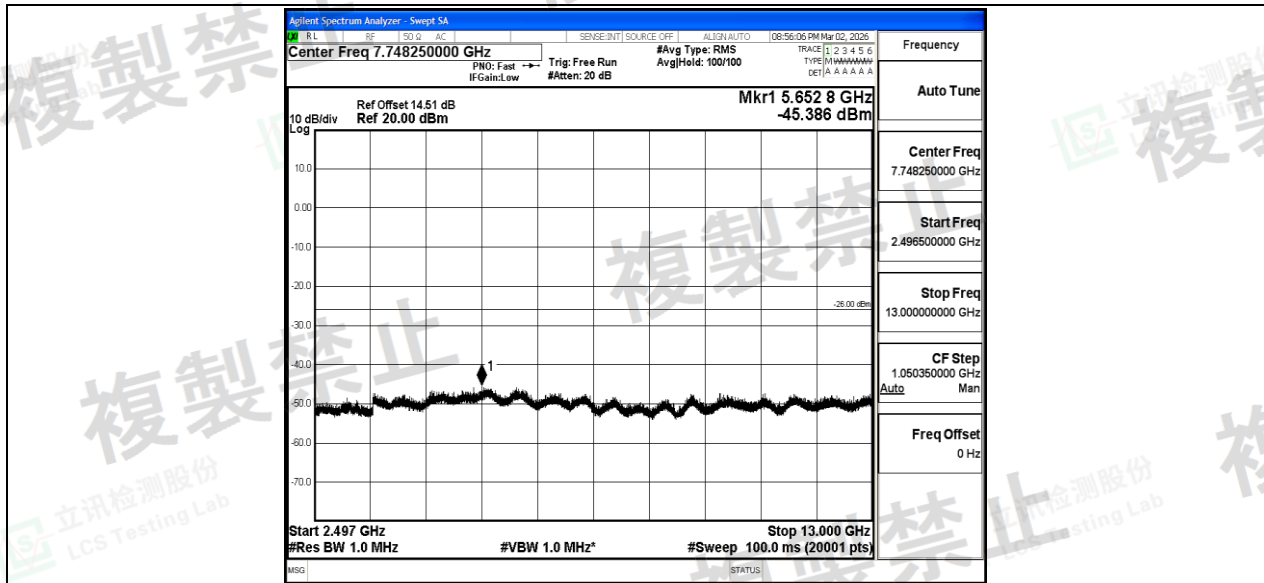
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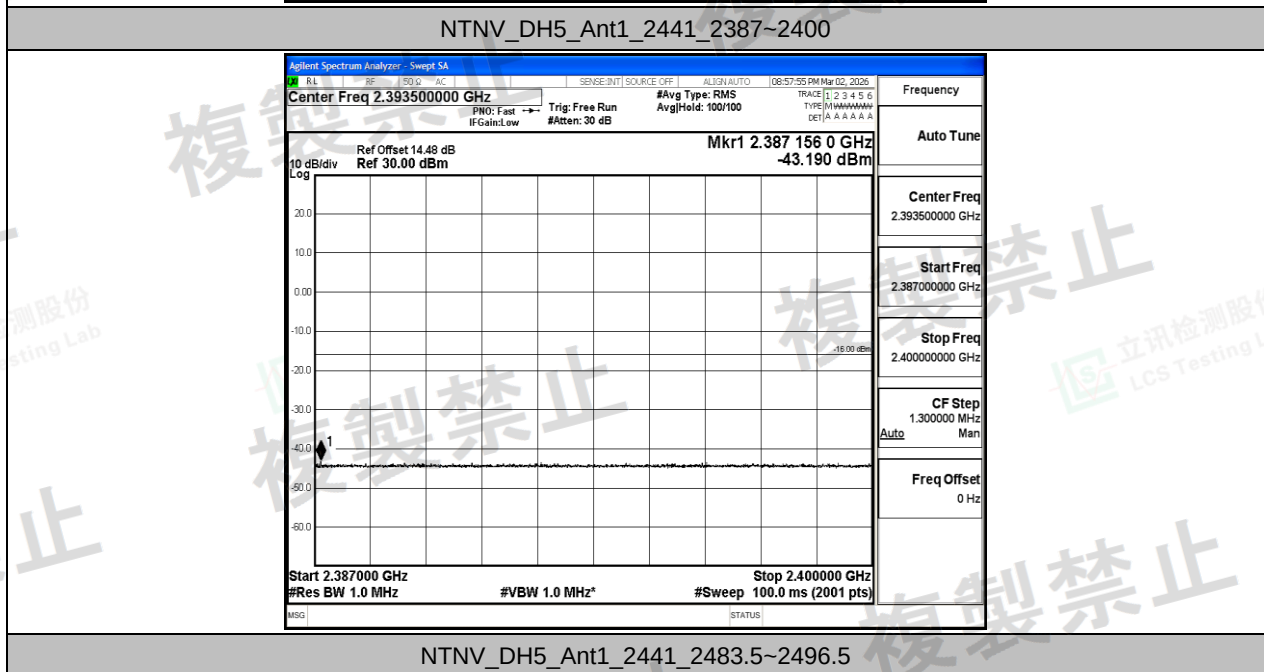
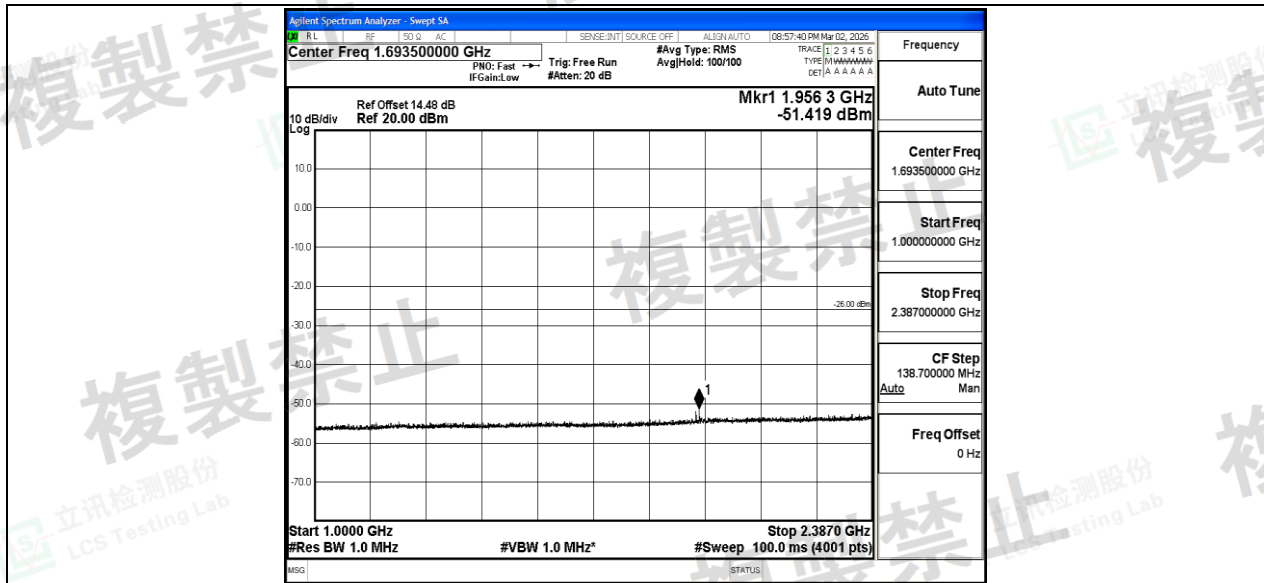


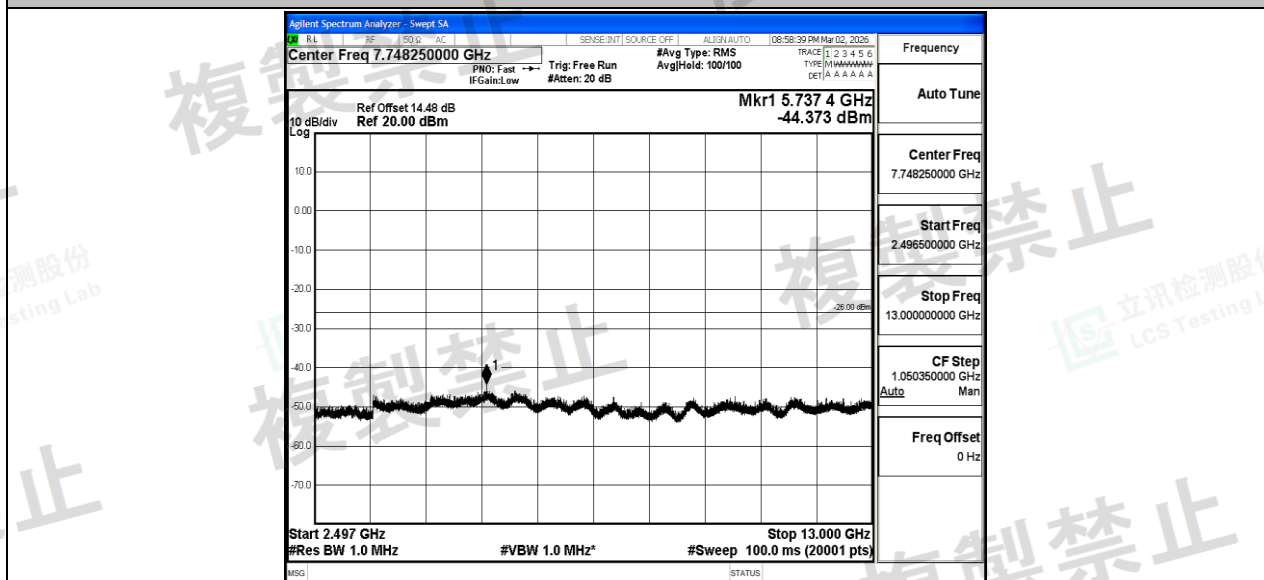
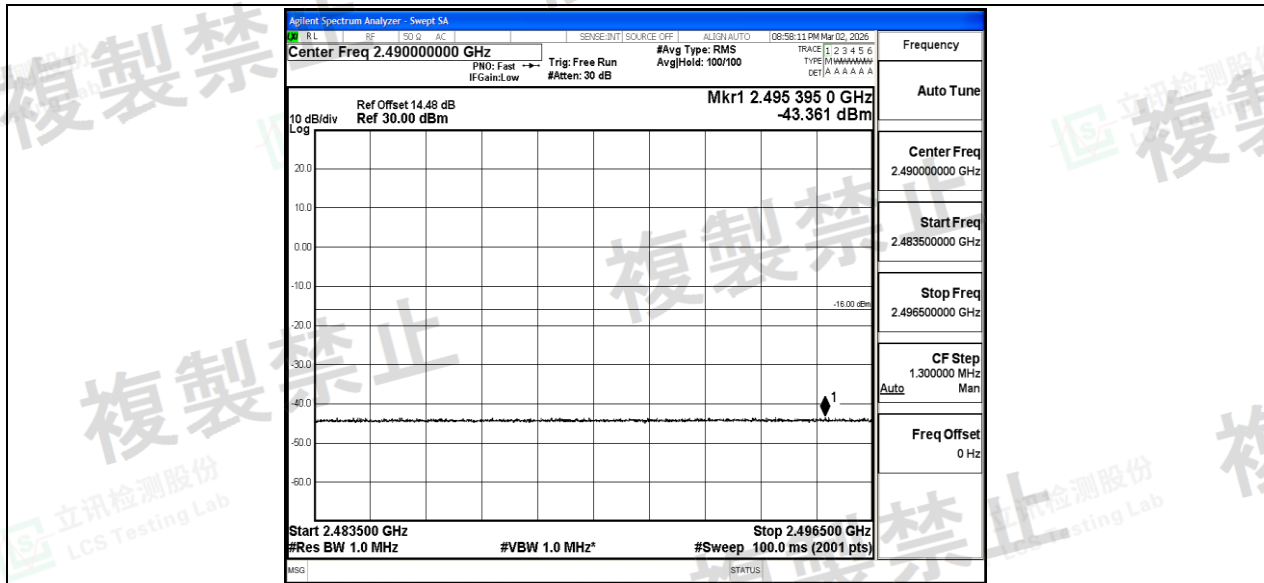
## Test Graphs

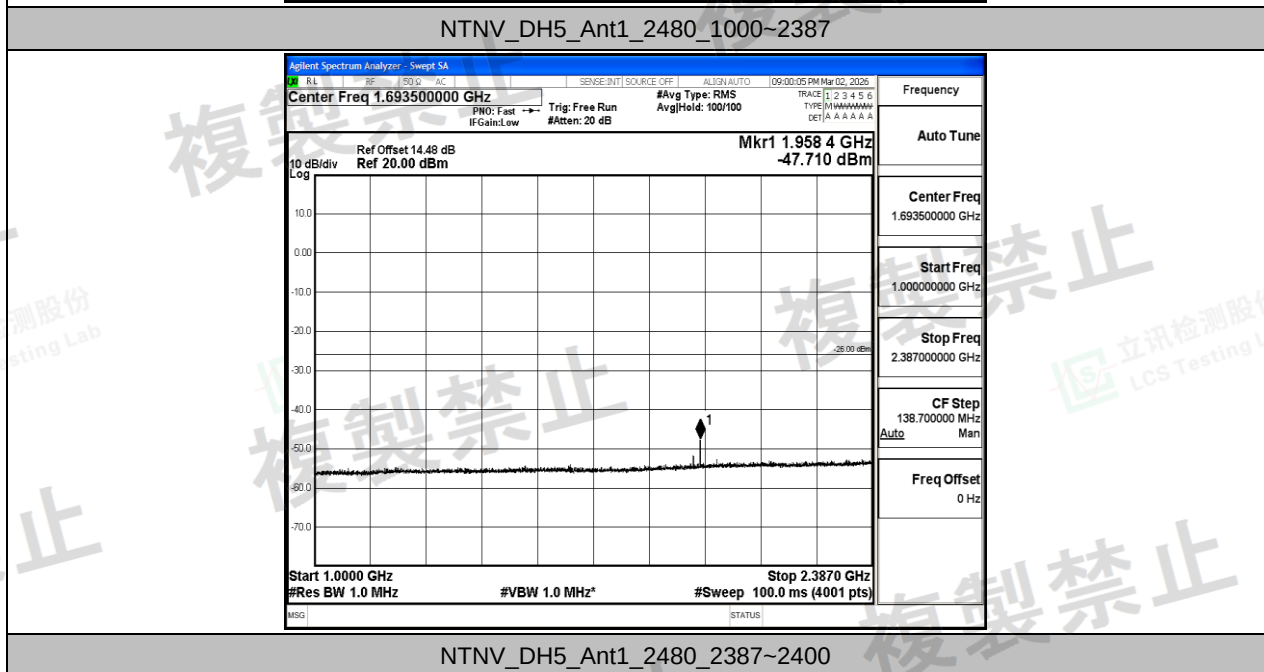
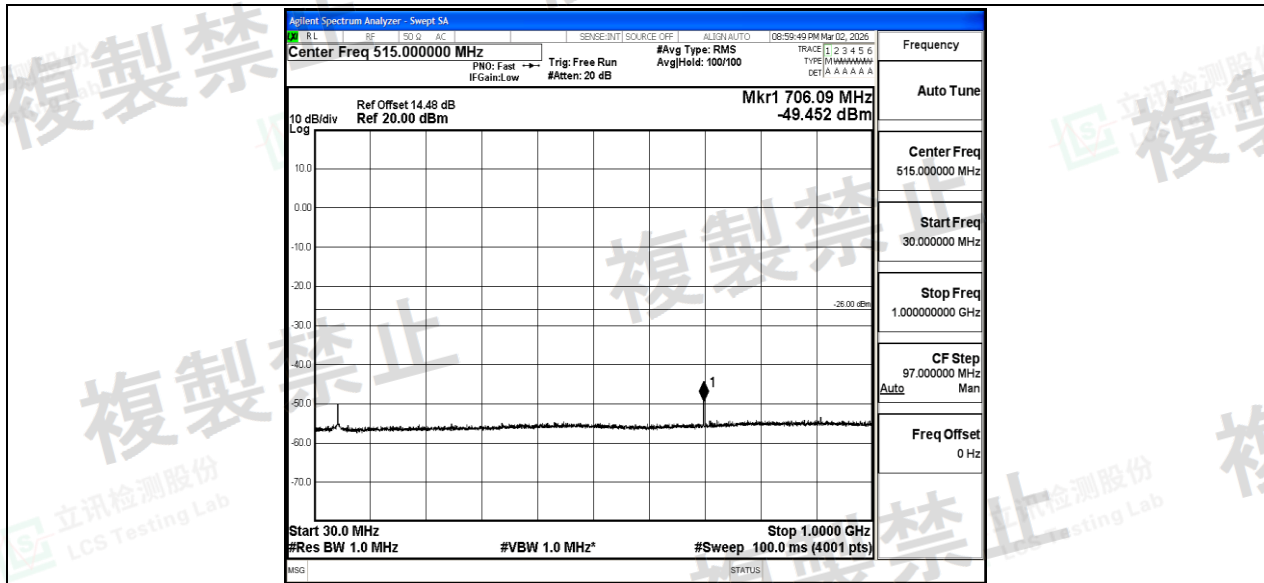


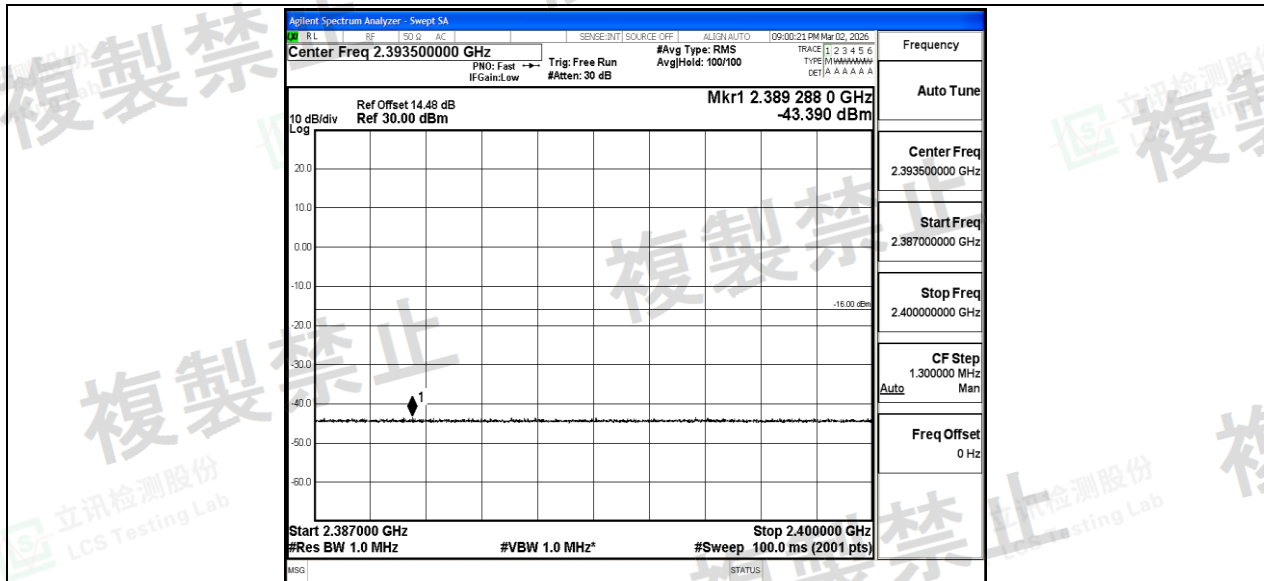




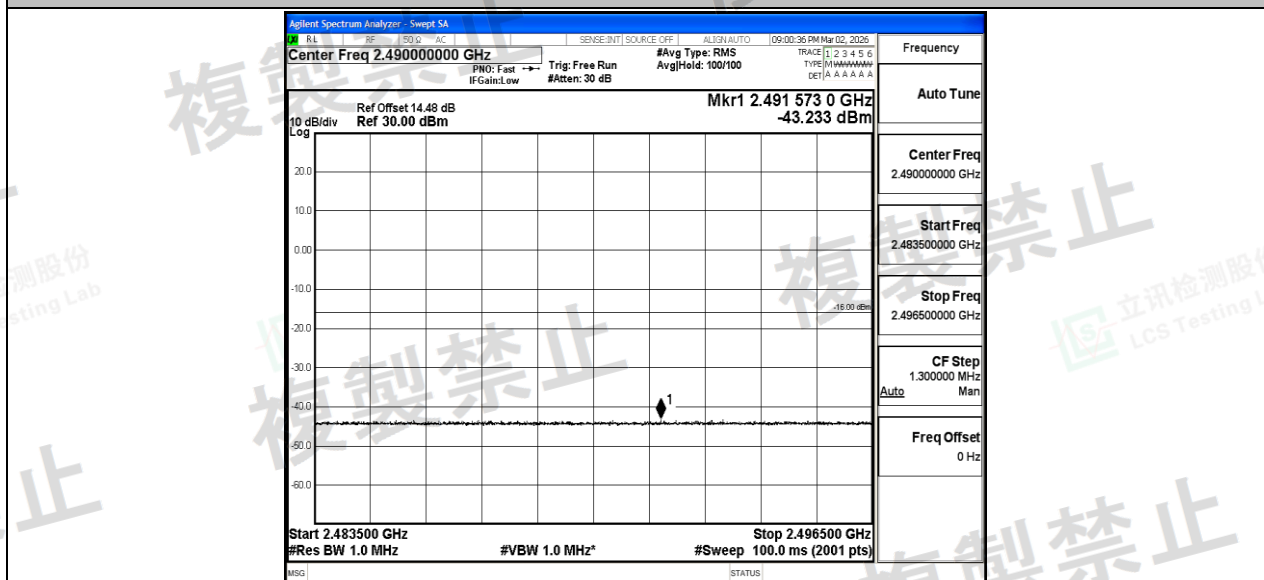






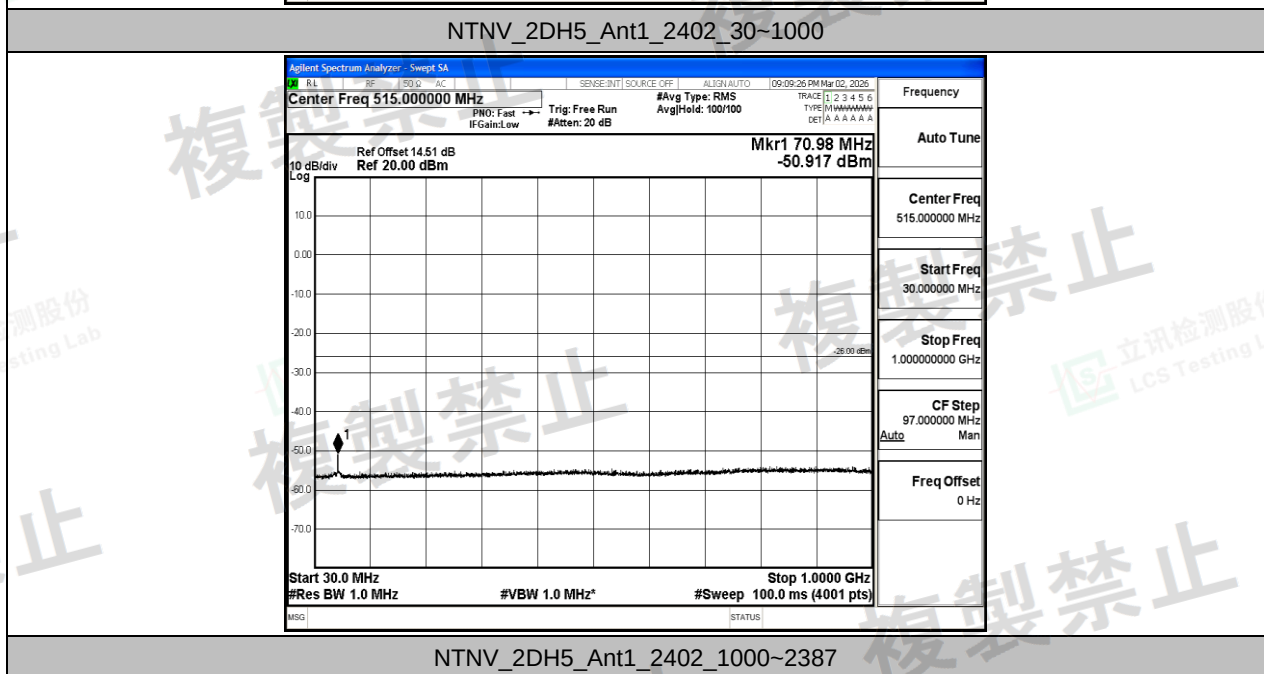
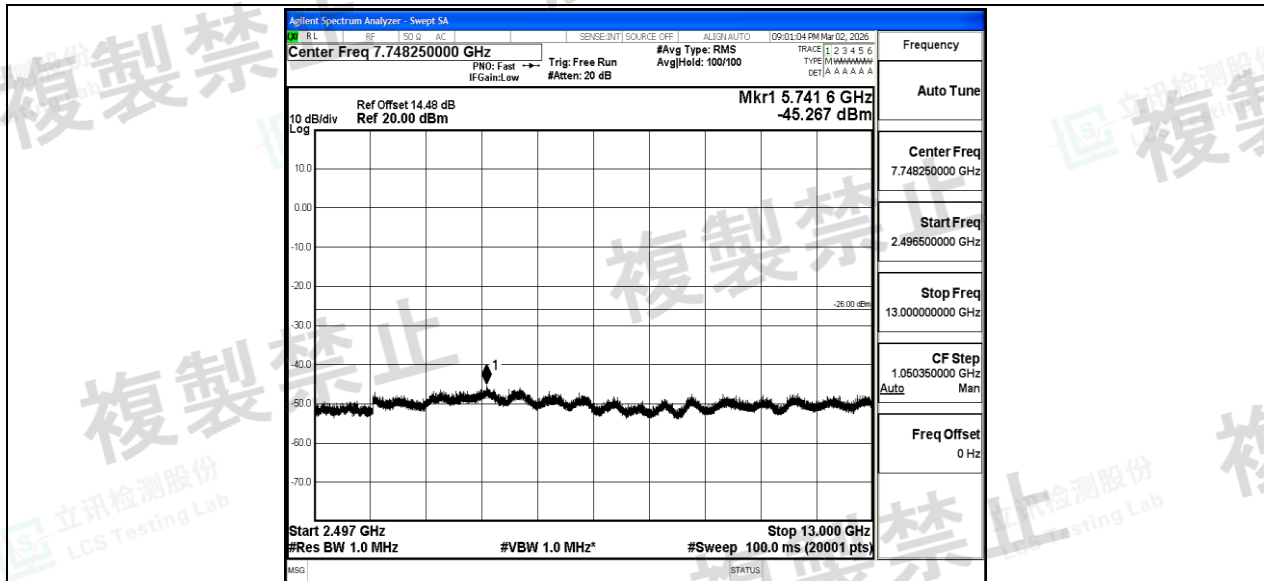


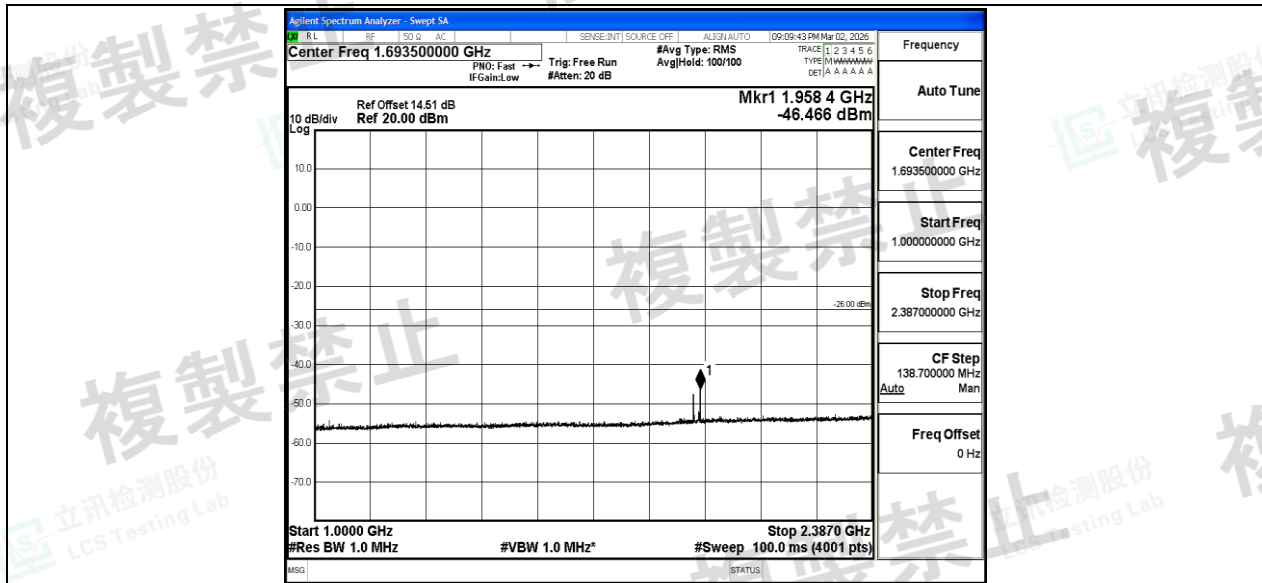
NTNV\_DH5\_Ant1\_2480\_2483.5~2496.5



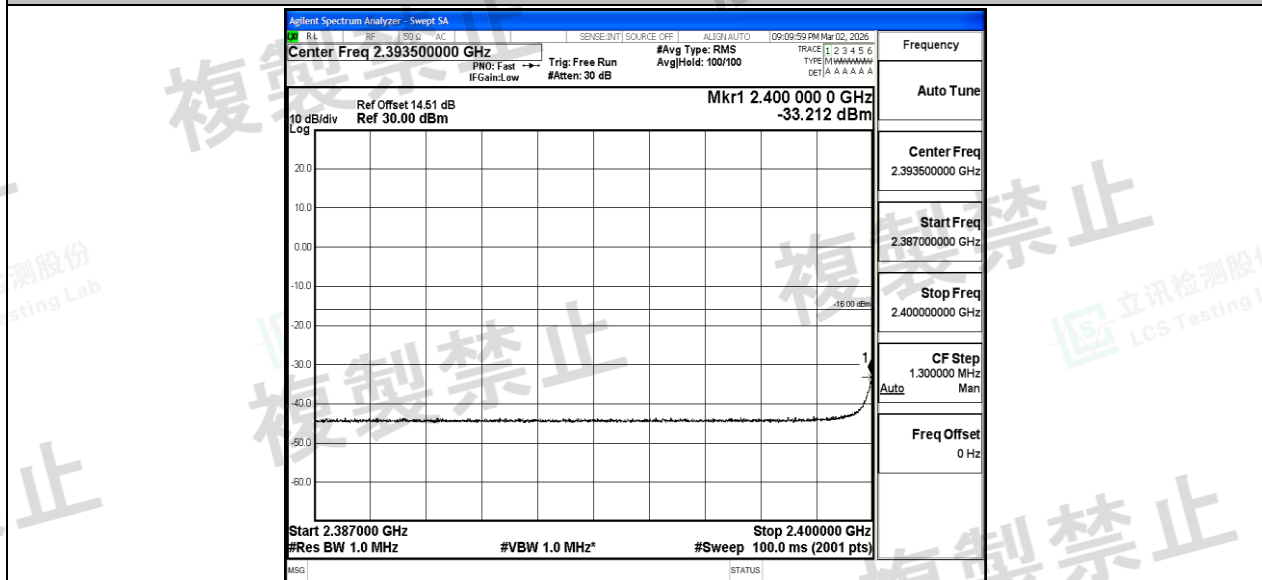
NTNV\_DH5\_Ant1\_2480\_2496.5~13000





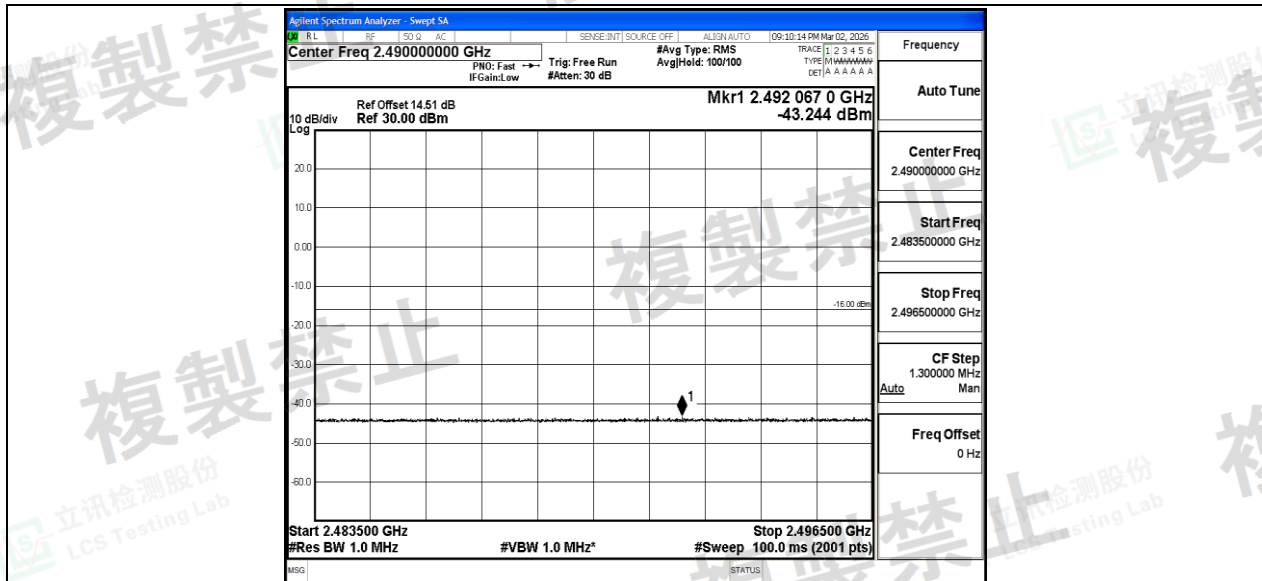


NTNV\_2DH5\_Ant1\_2402\_2387~2400

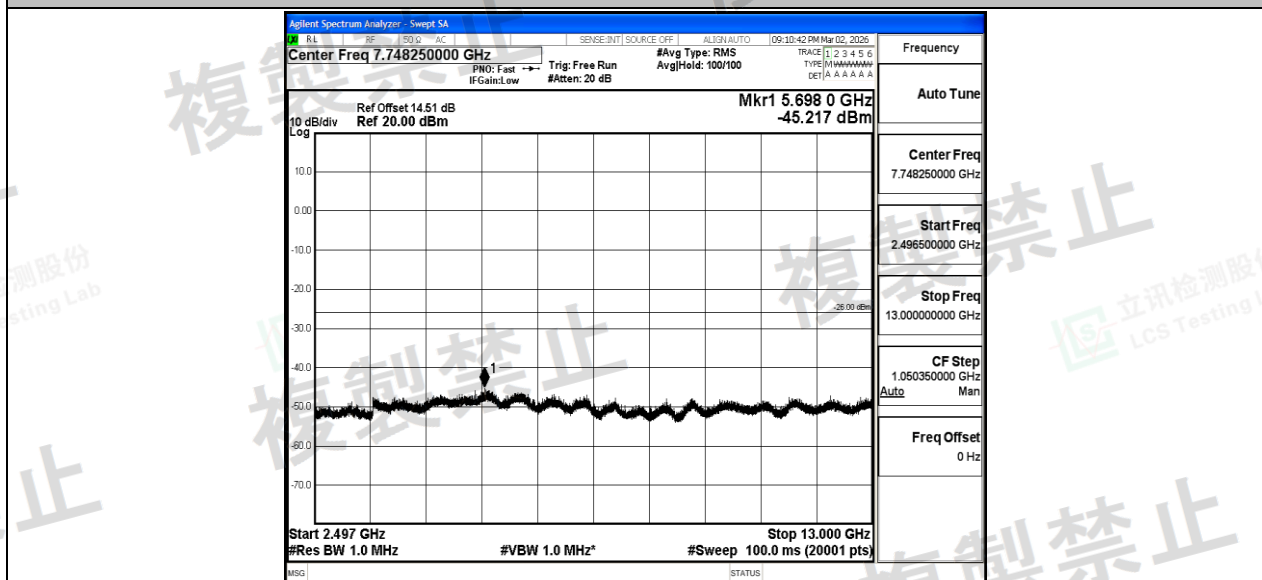


NTNV\_2DH5\_Ant1\_2402\_2483.5~2496.5



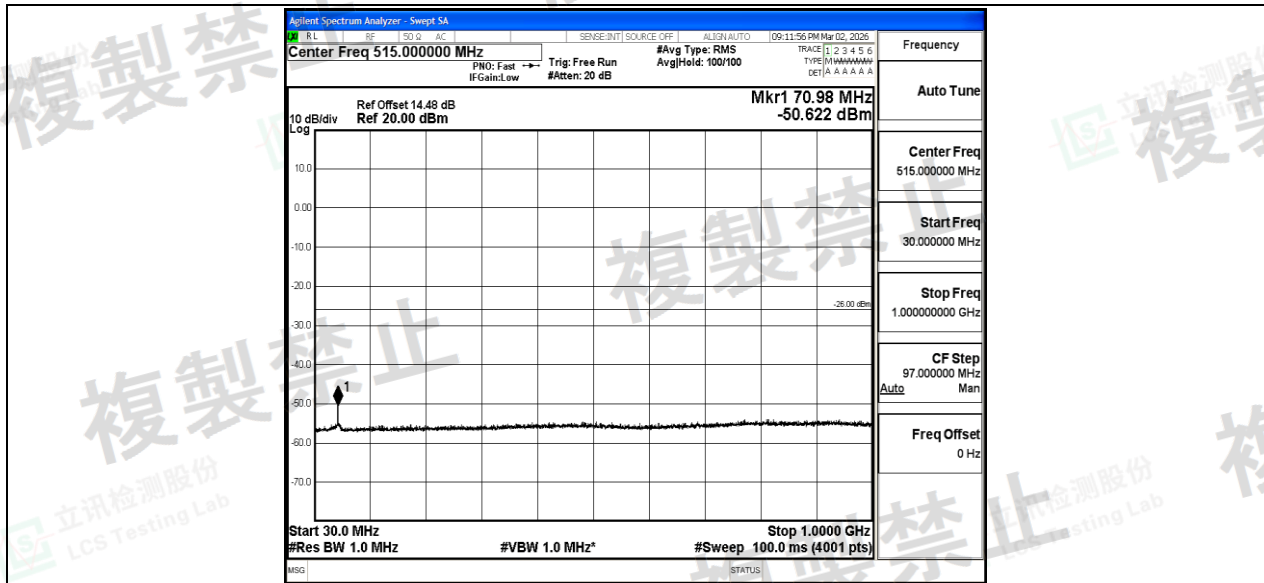


NTNV\_2DH5\_Ant1\_2402\_2496.5~13000

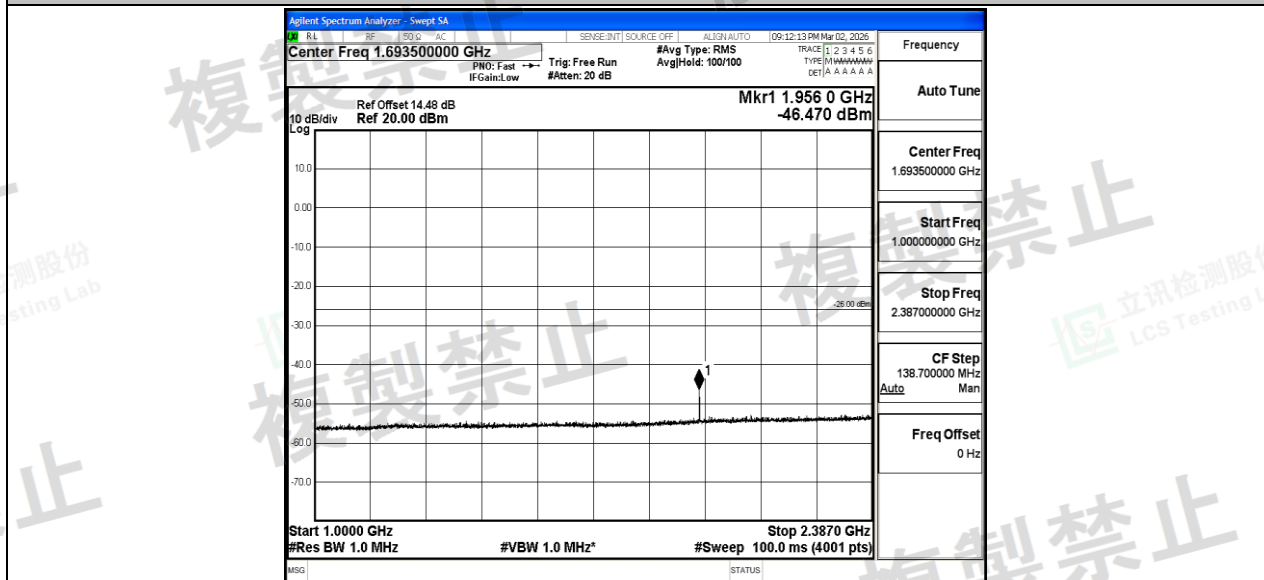


NTNV\_2DH5\_Ant1\_2441\_30~1000



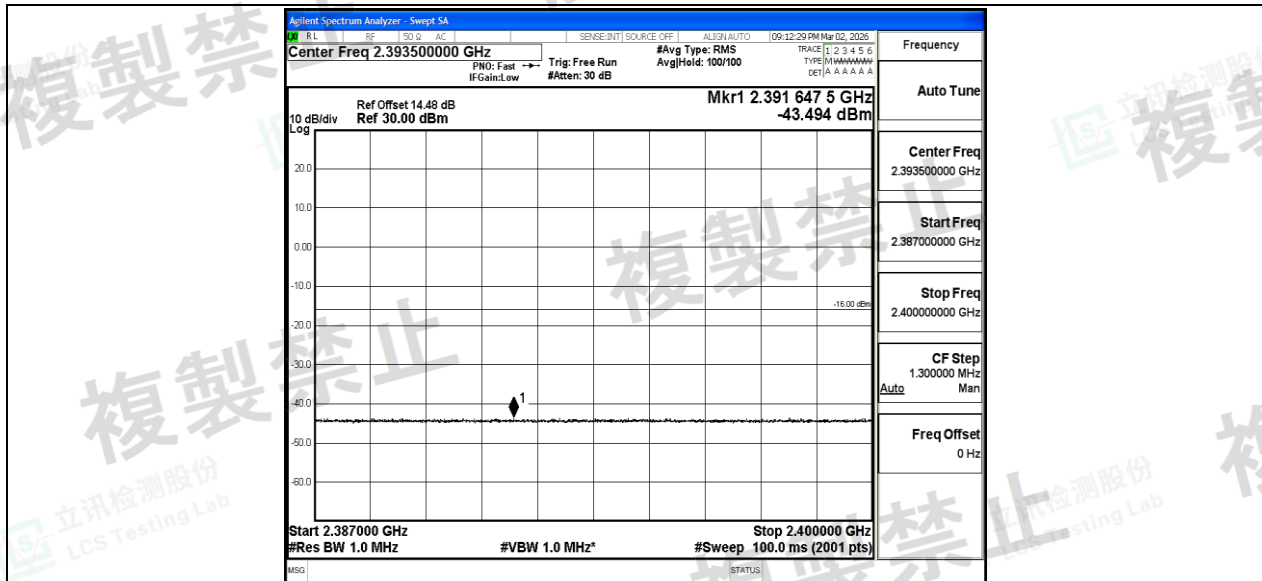


NTNV\_2DH5\_Ant1\_2441\_1000~2387

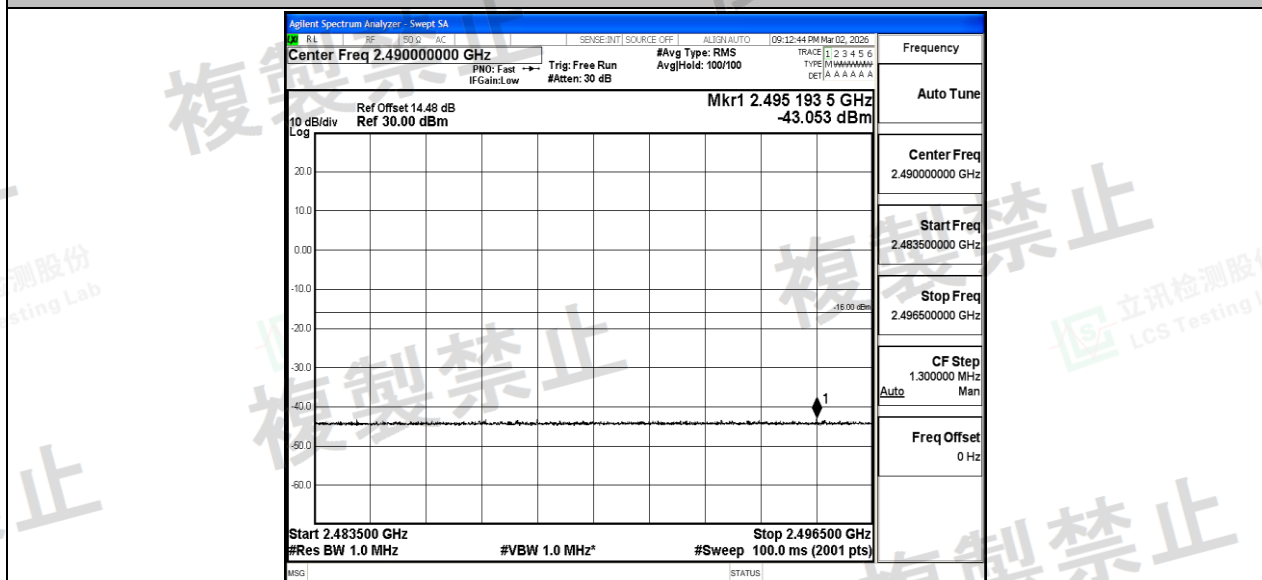


NTNV\_2DH5\_Ant1\_2441\_2387~2400



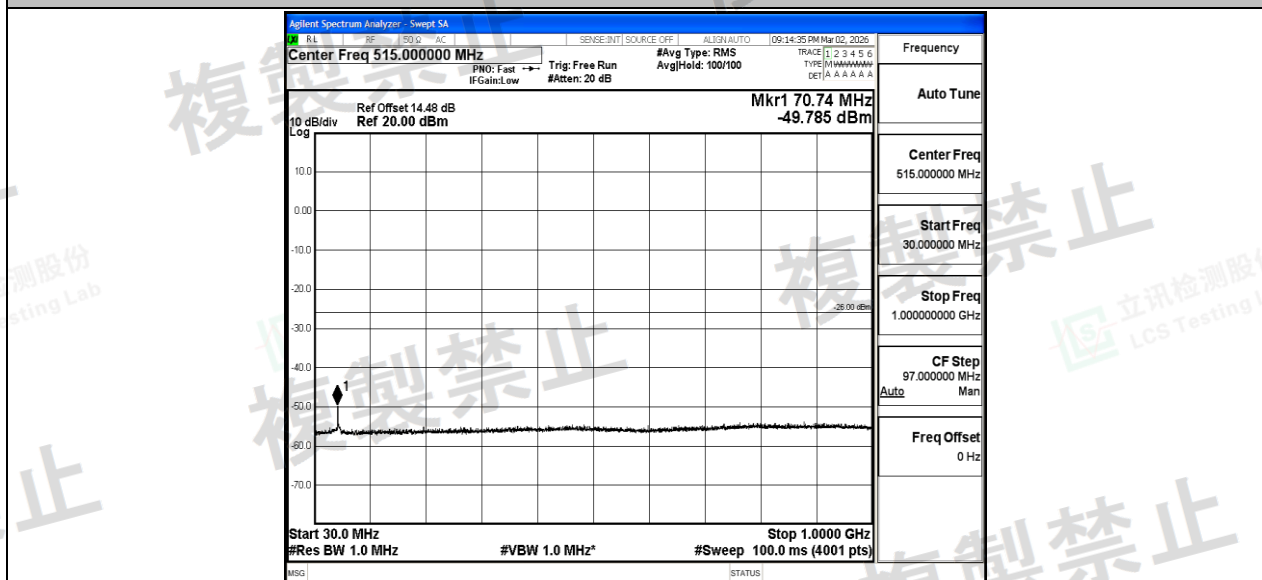
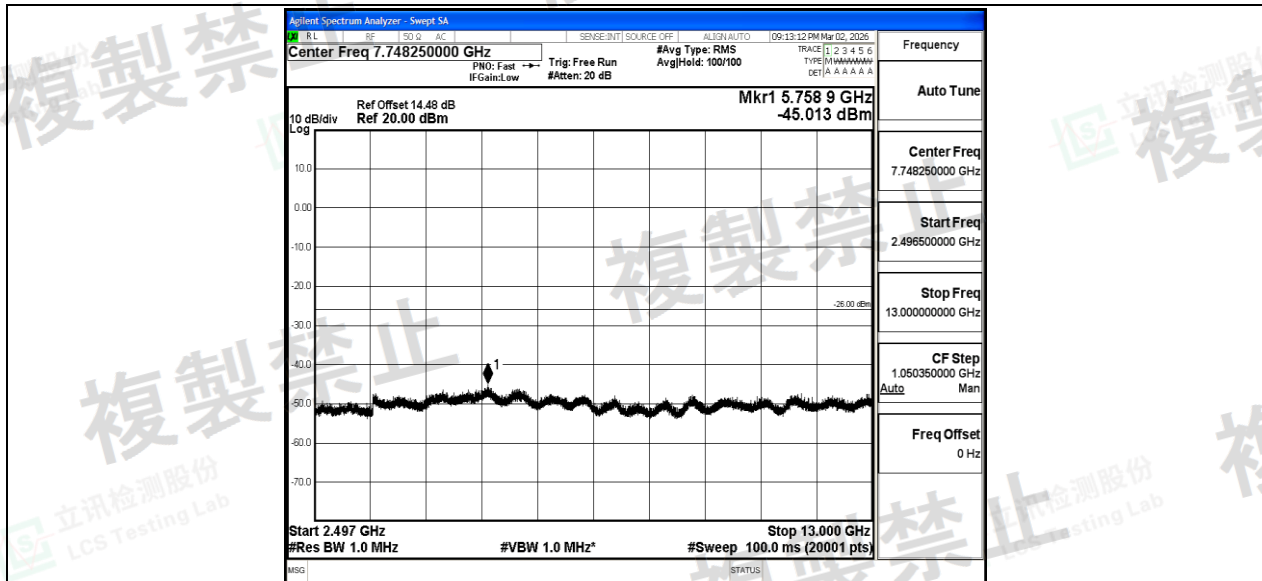


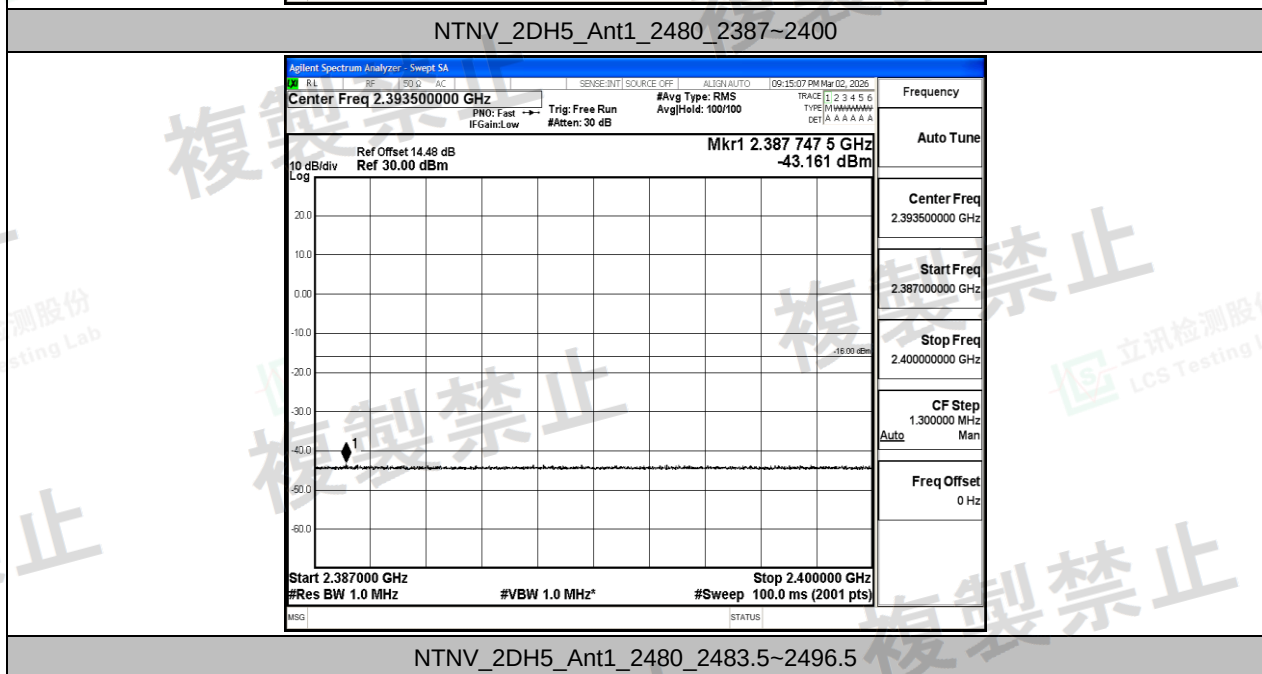
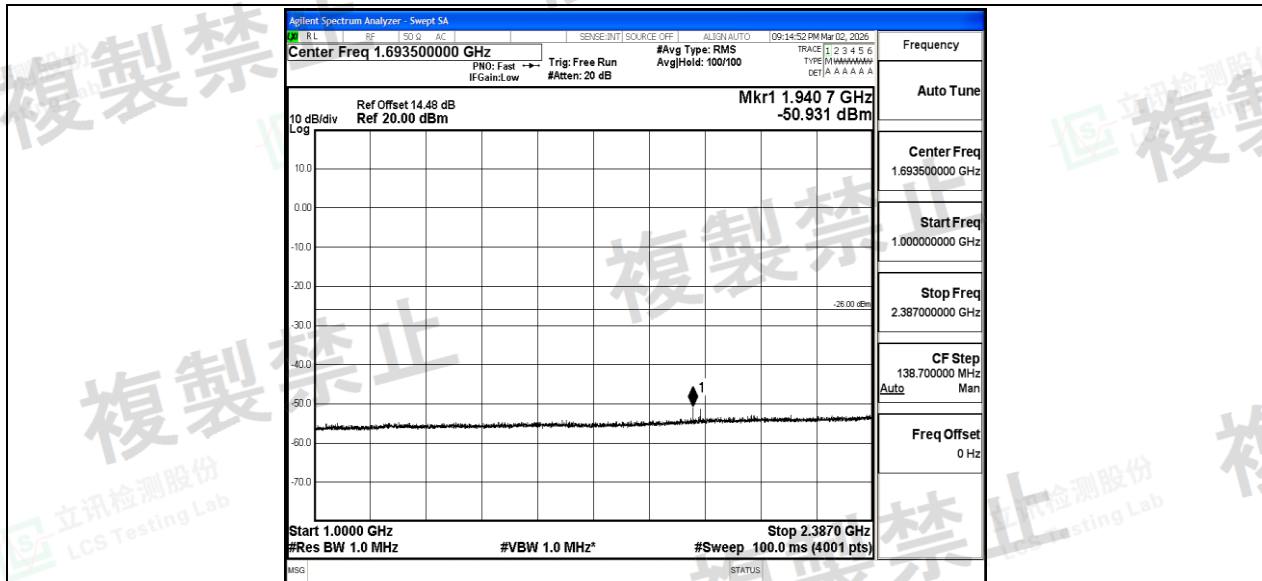
NTNV\_2DH5\_Ant1\_2441\_2483.5~2496.5

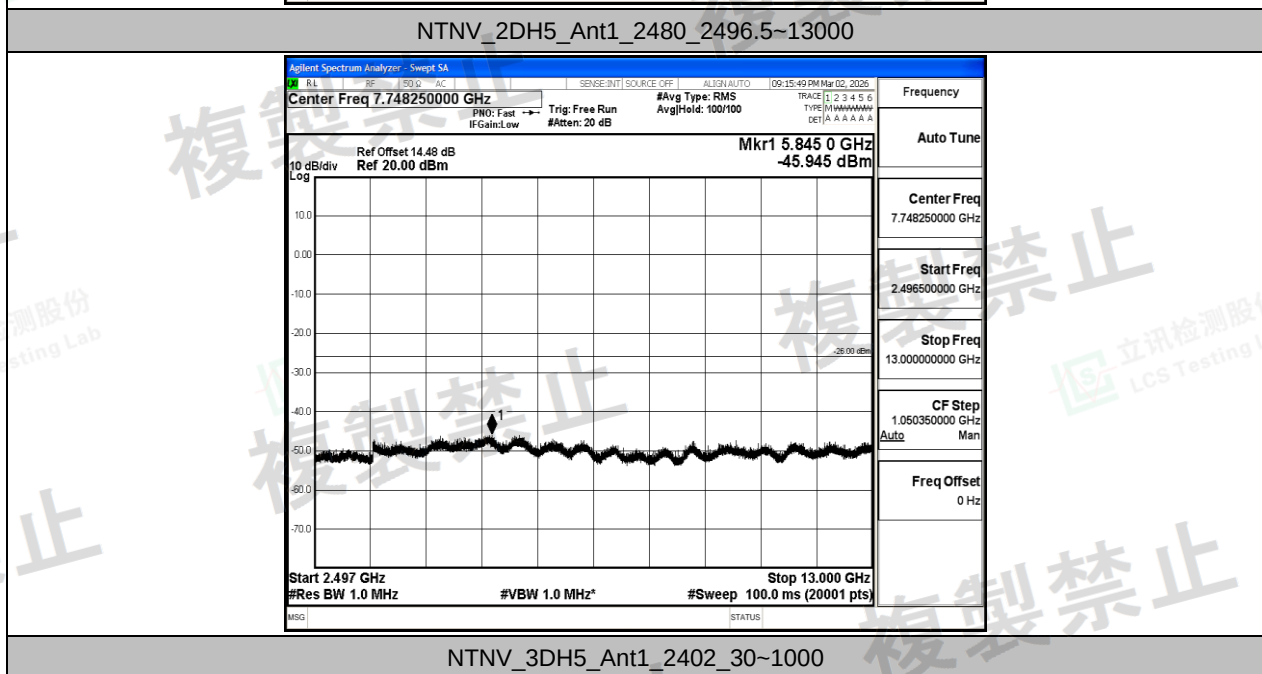
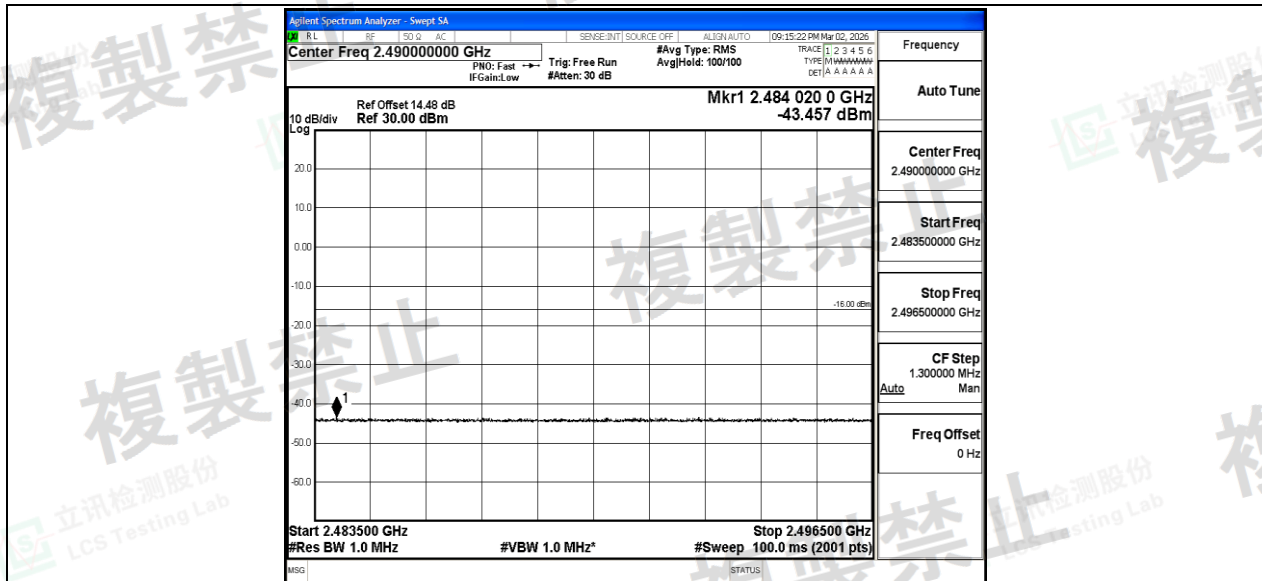


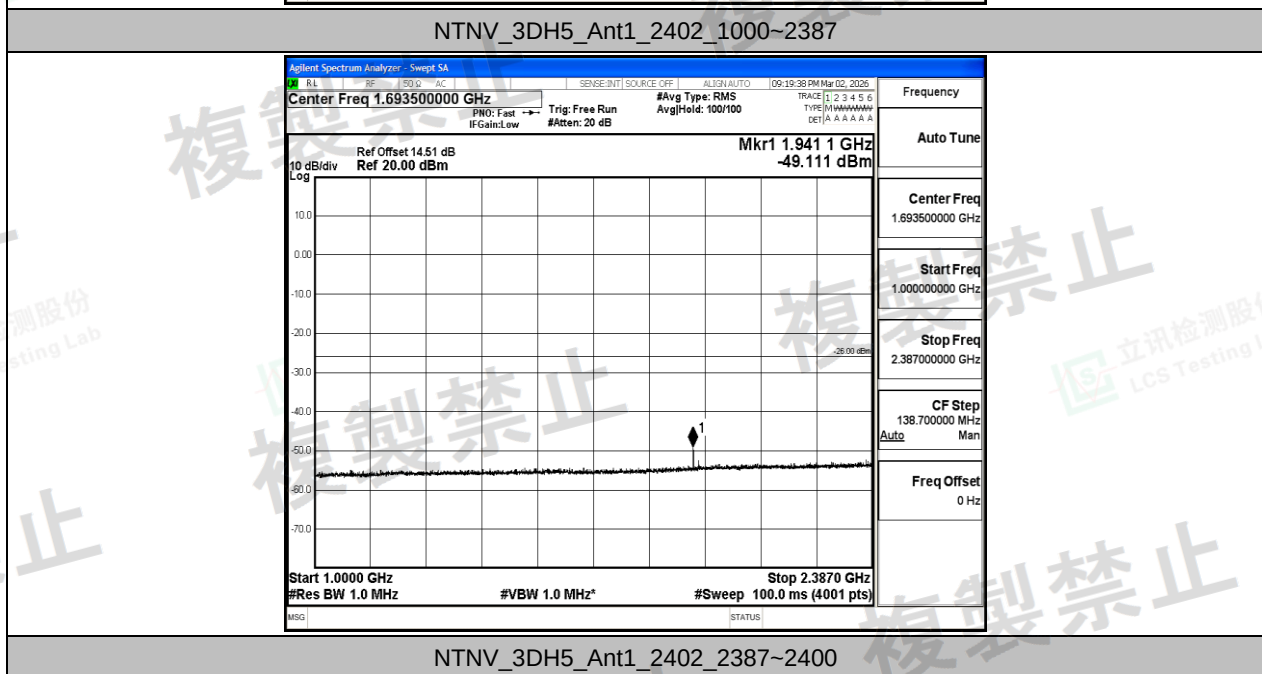
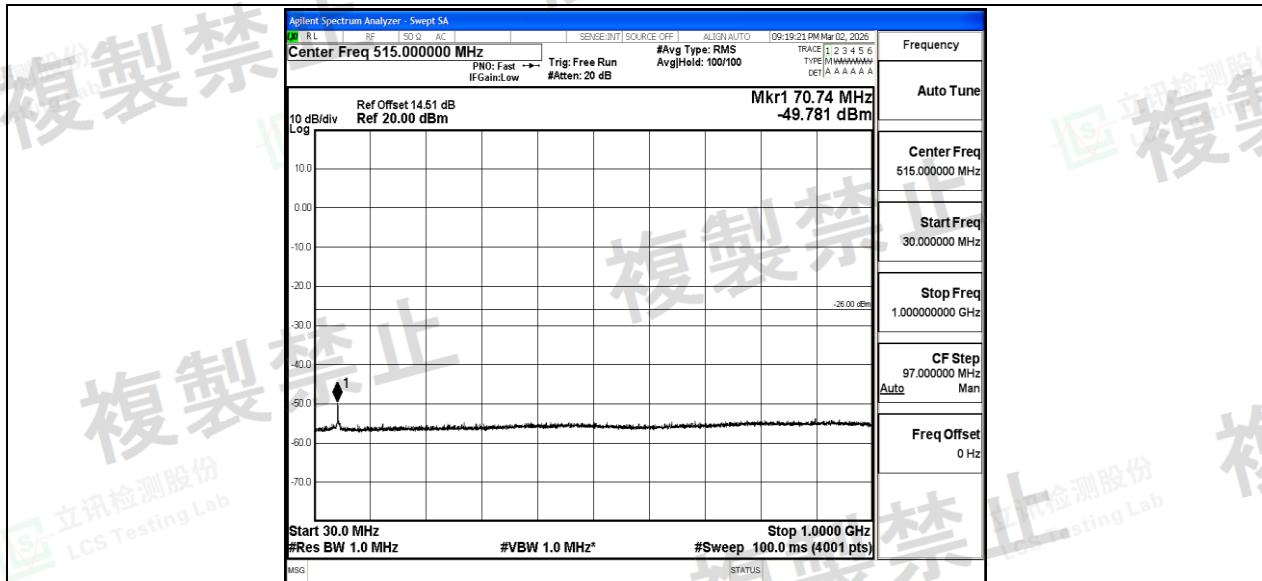
NTNV\_2DH5\_Ant1\_2441\_2496.5~13000

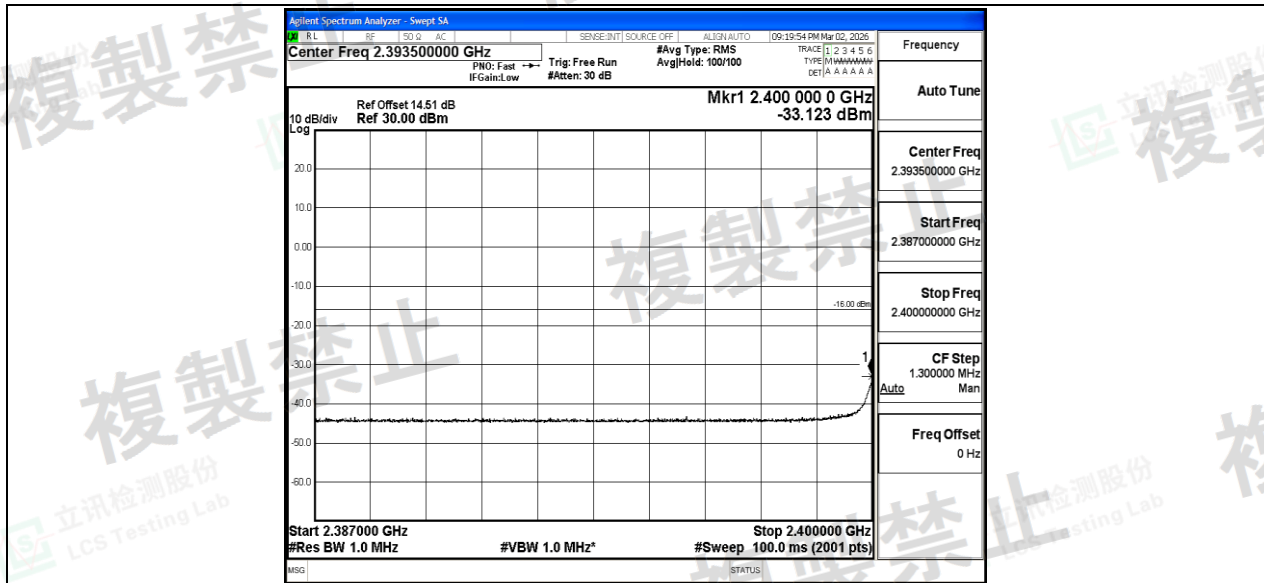




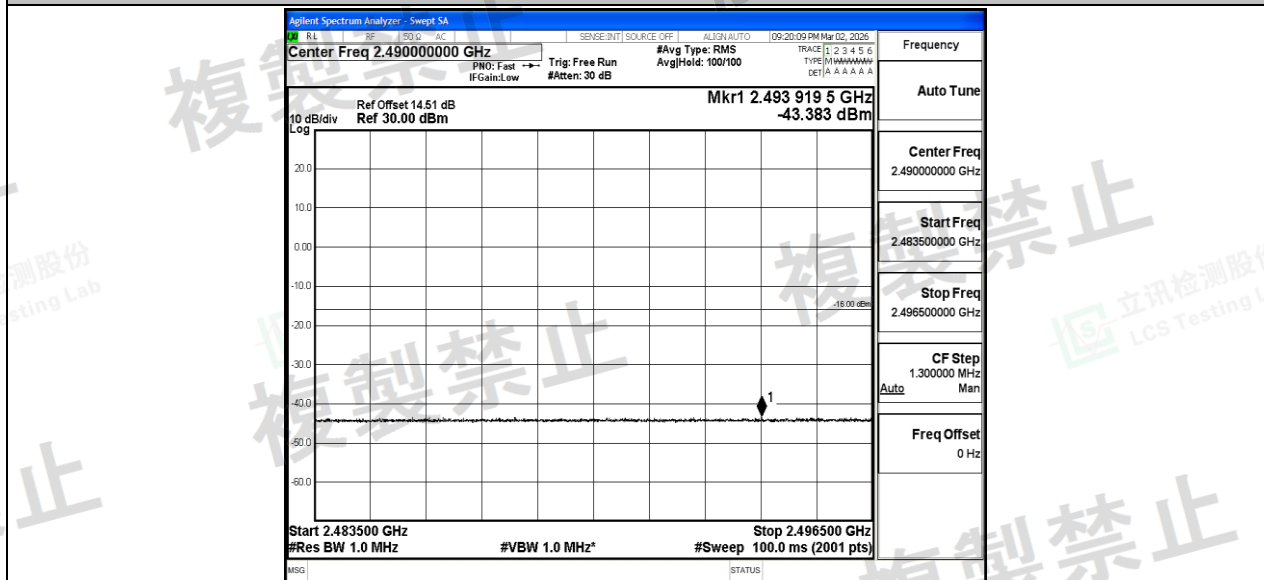






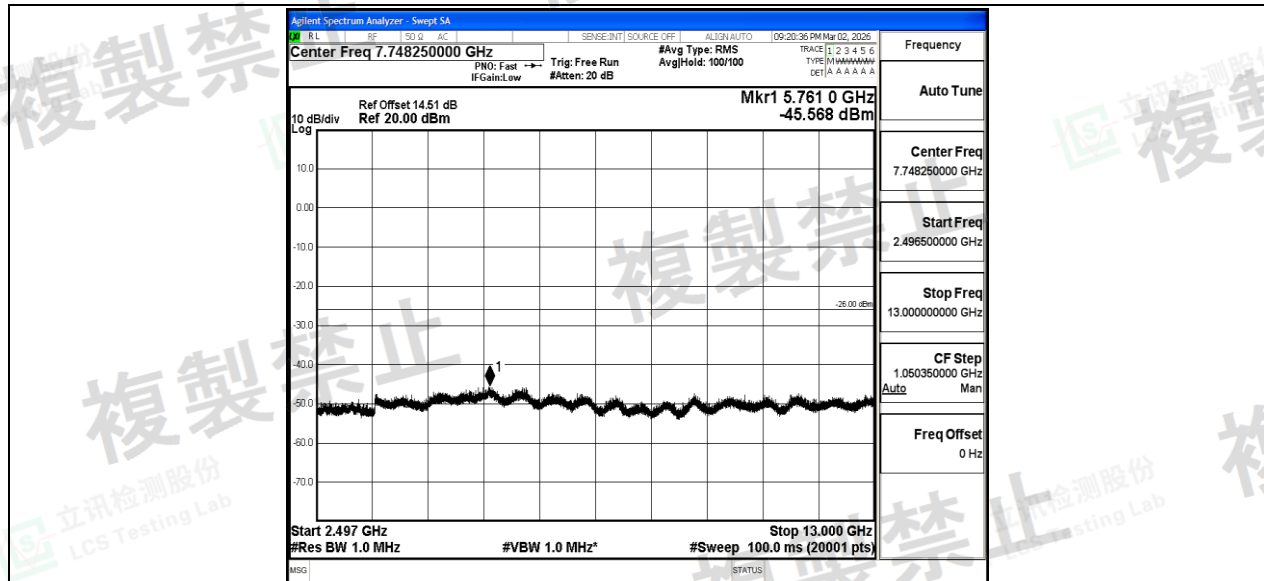


NTNV\_3DH5\_Ant1\_2402\_2483.5~2496.5

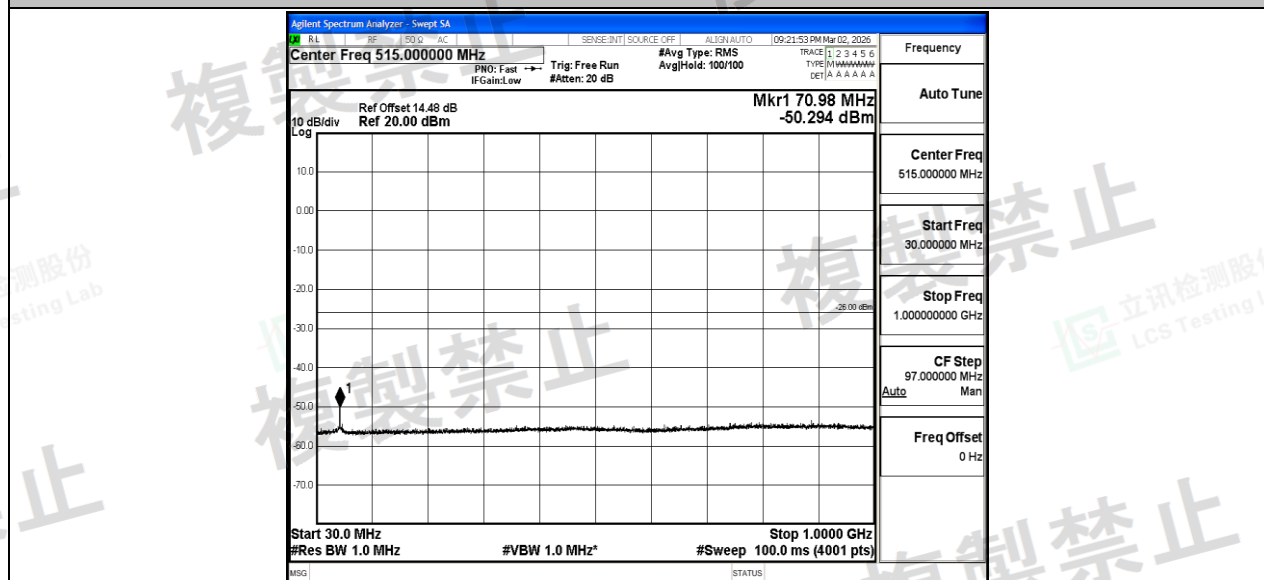


NTNV\_3DH5\_Ant1\_2402\_2496.5~13000



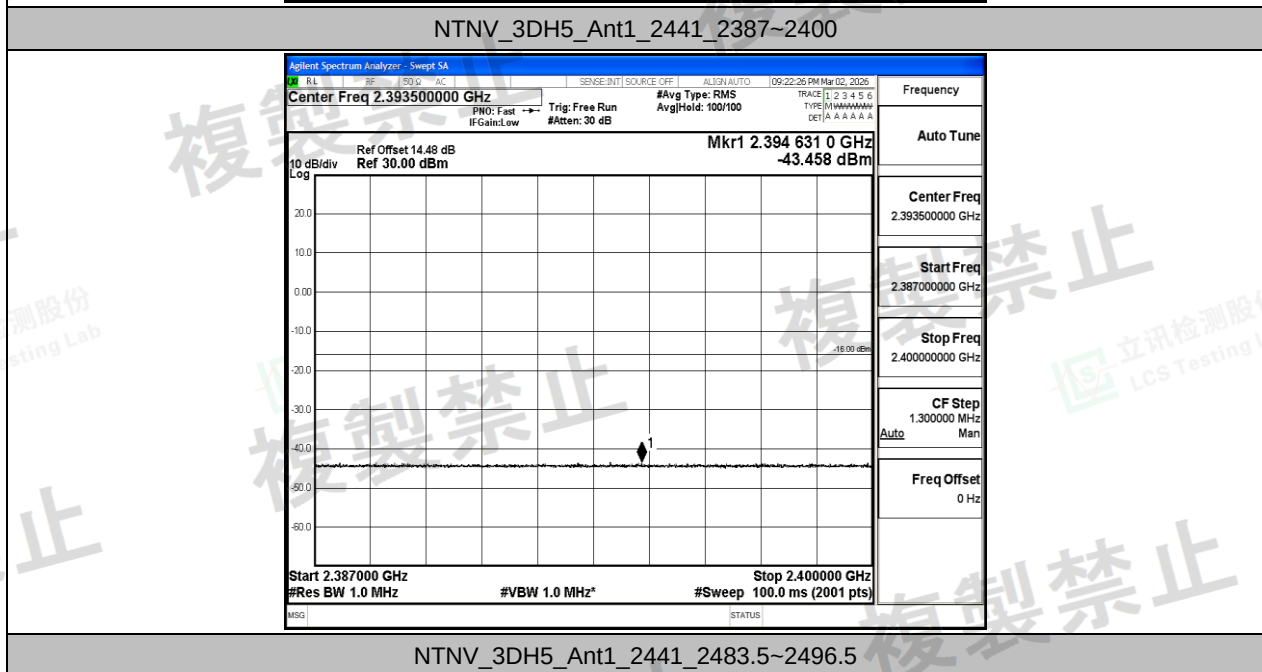
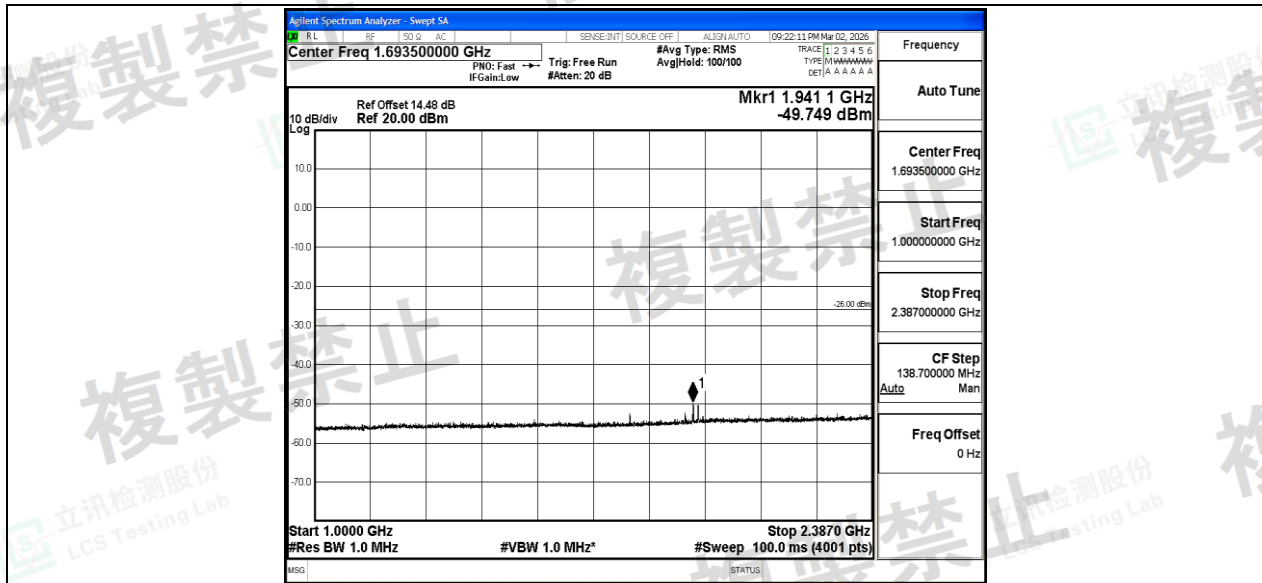


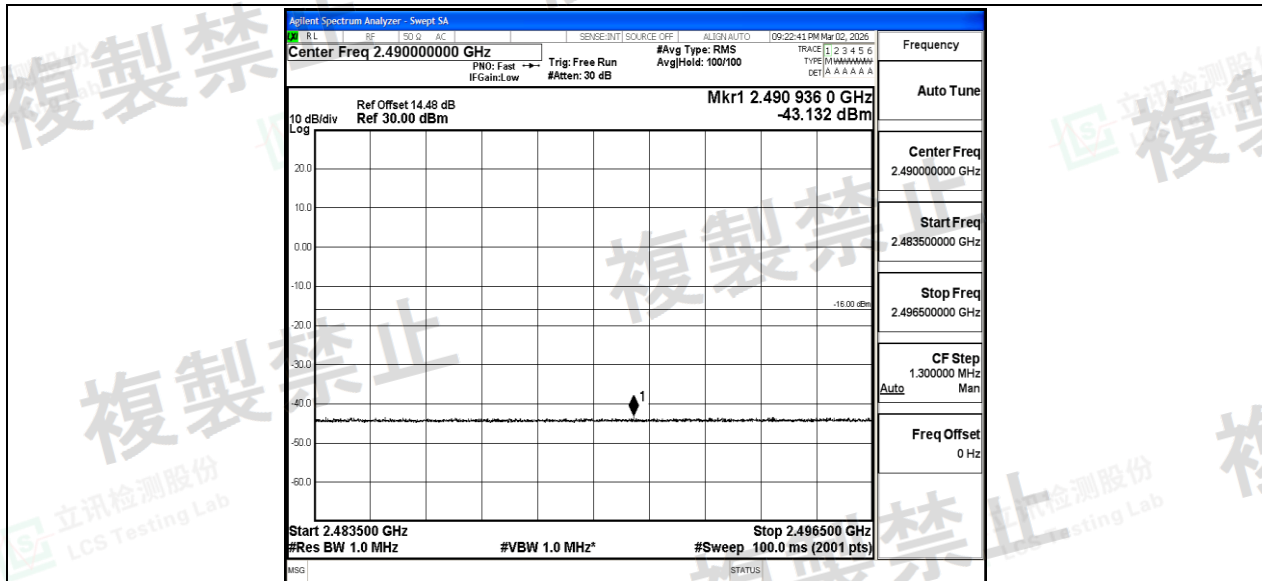
NTNV\_3DH5\_Ant1\_2441\_30~1000



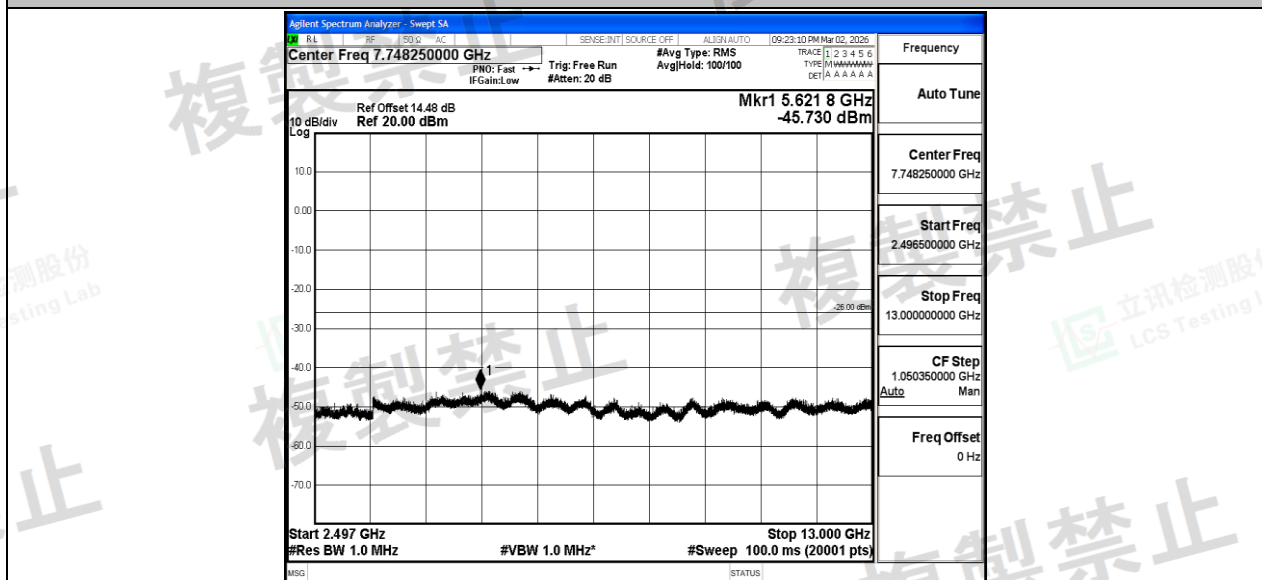
NTNV\_3DH5\_Ant1\_2441\_1000~2387





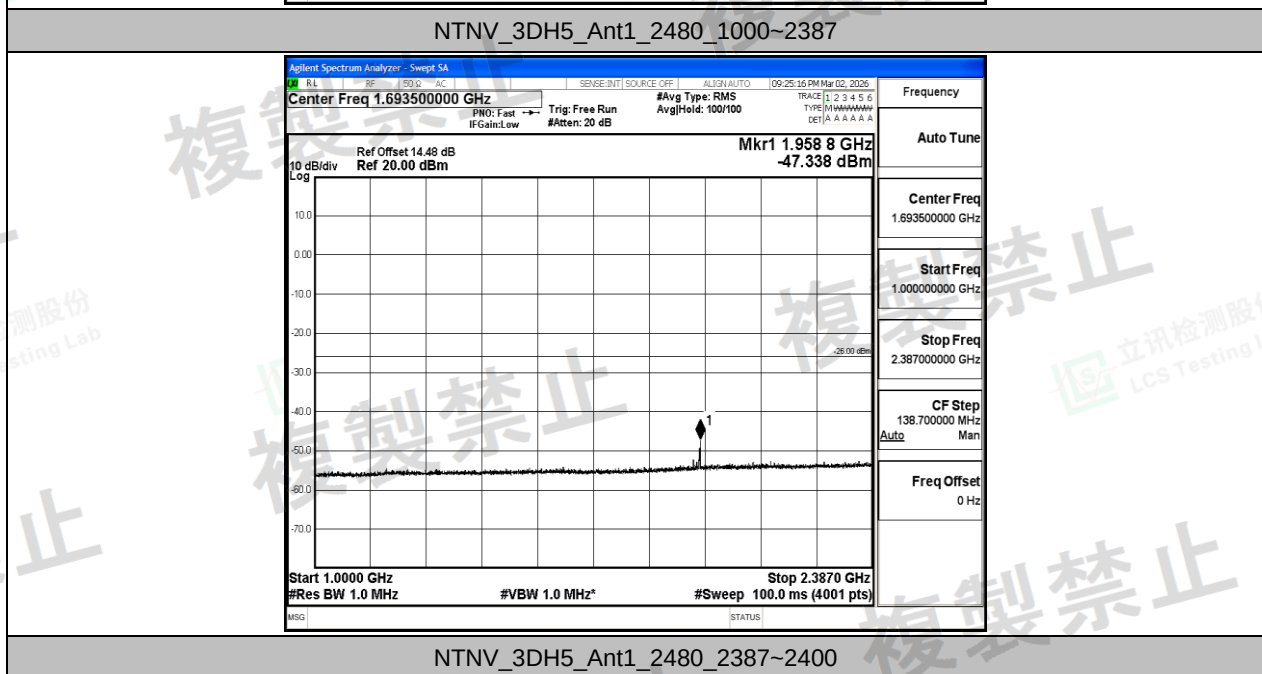
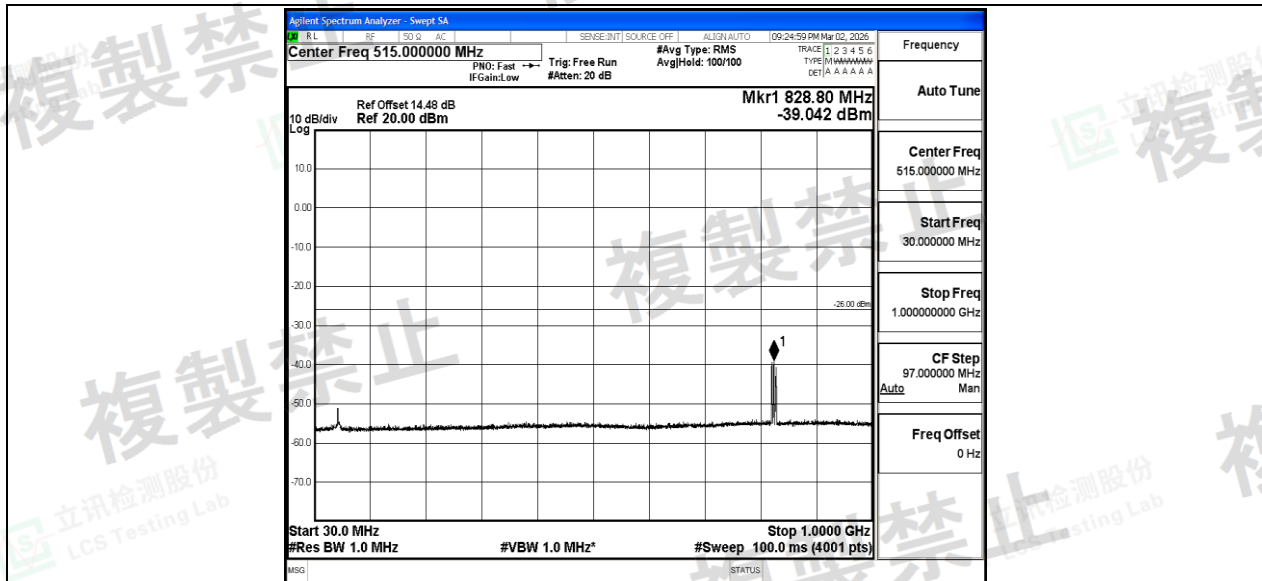


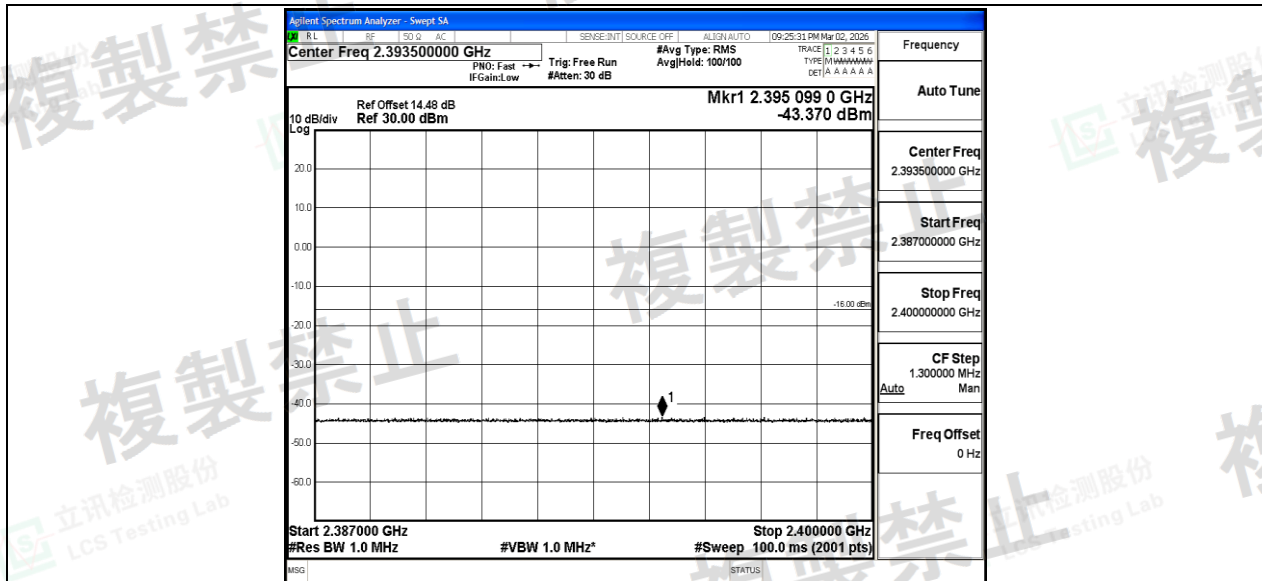
NTNV\_3DH5\_Ant1\_2441\_2496.5~13000



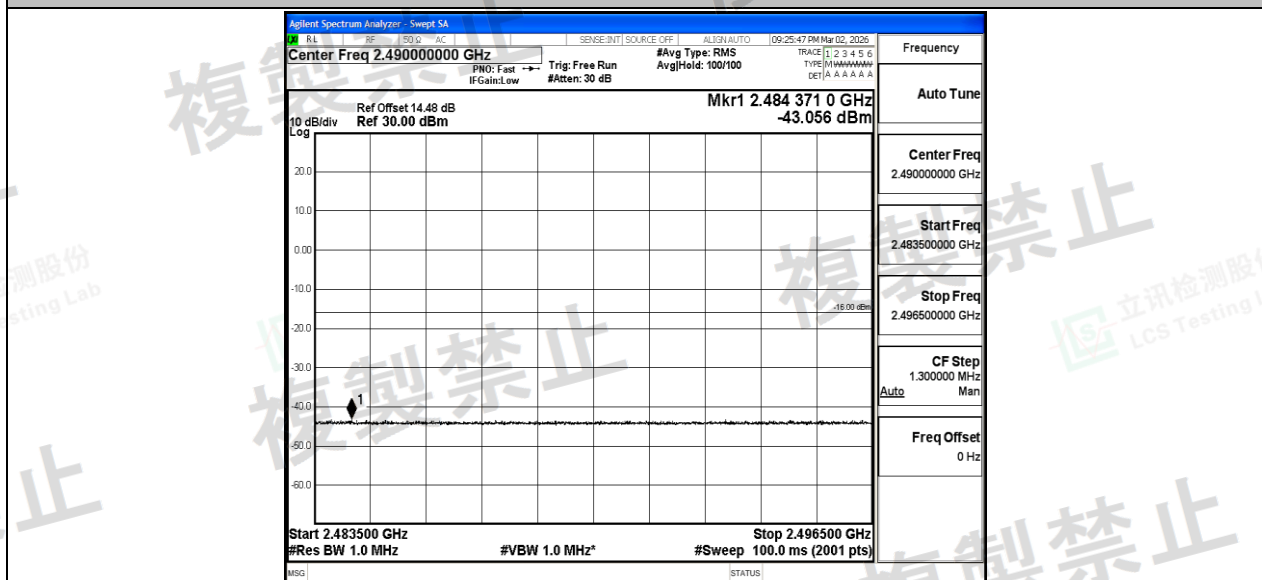
NTNV\_3DH5\_Ant1\_2480\_30~1000





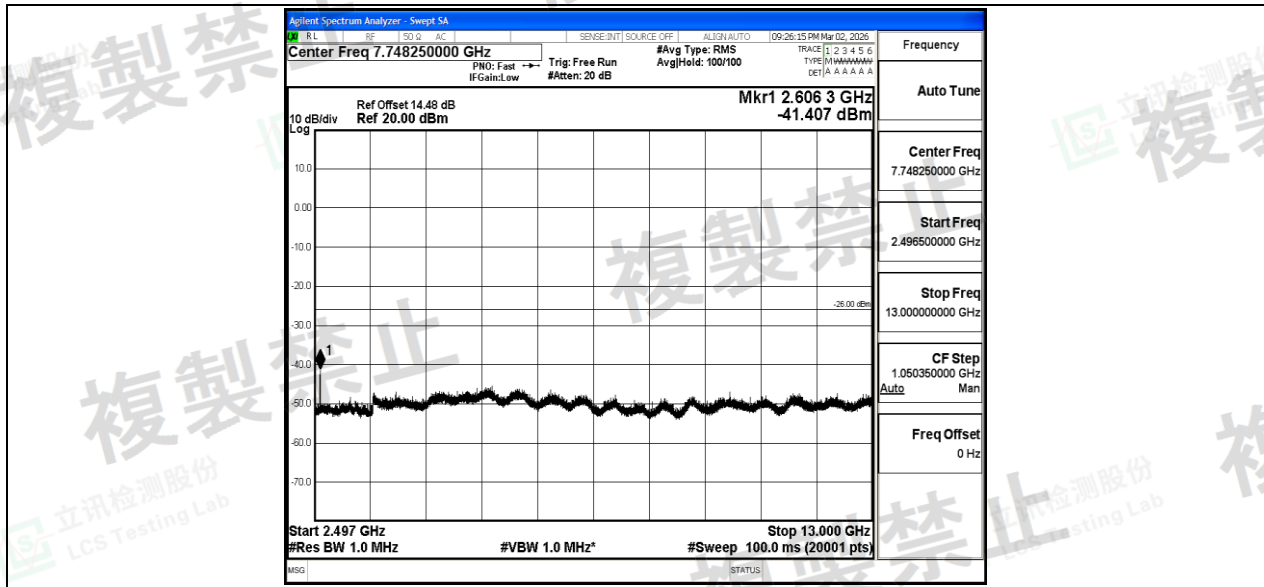


NTNV\_3DH5\_Ant1\_2480\_2483.5~2496.5



NTNV\_3DH5\_Ant1\_2480\_2496.5~13000







## A.6 Spurious Emission of RX

### Test Result

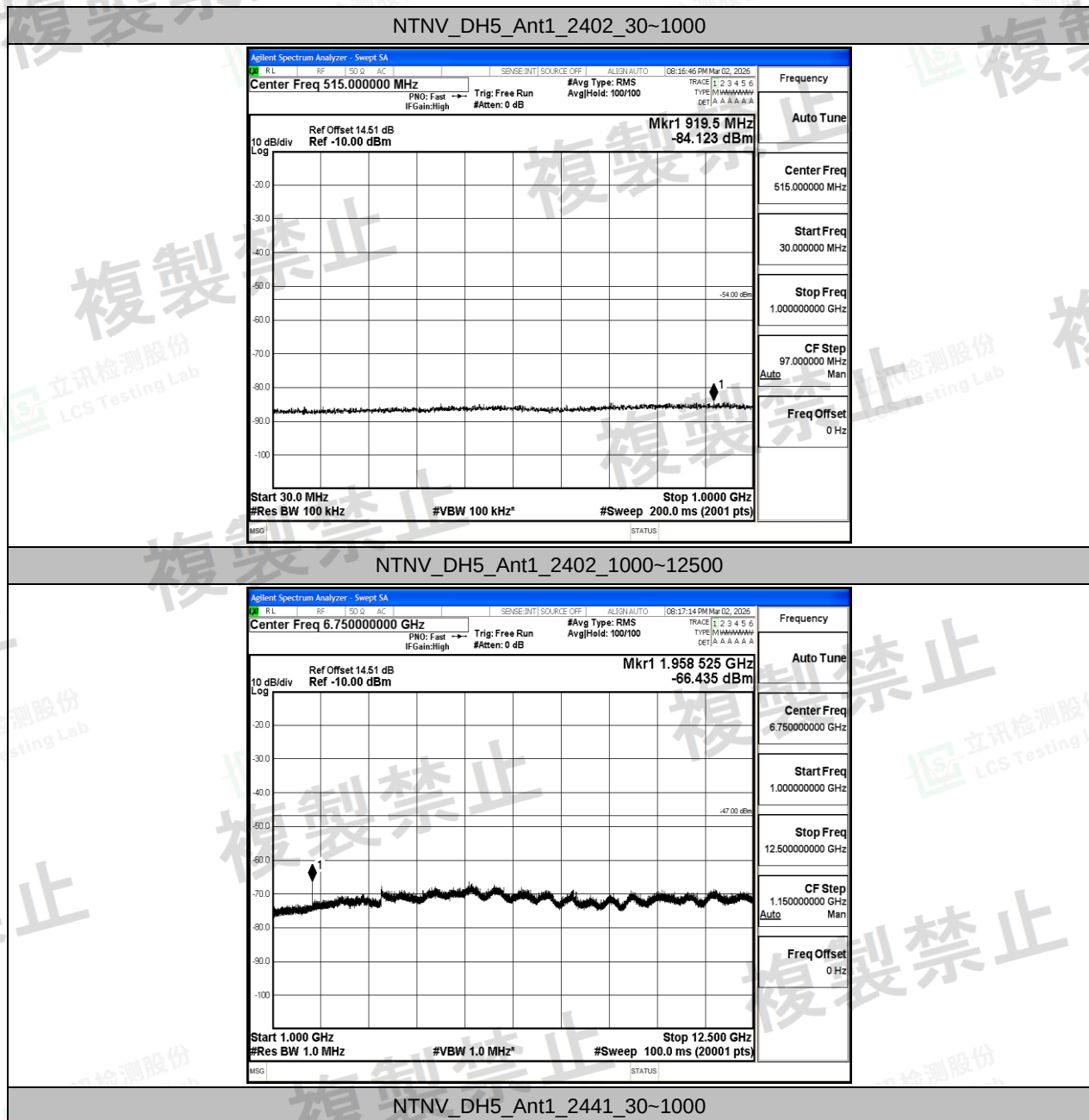
| TestCondition | TestMode | Antenna | Frequency[MHz] | Freq.Range [MHz] | Result [dBm] | Limit [dBm] | Result [nW] | Limit [nW] | Verdict |
|---------------|----------|---------|----------------|------------------|--------------|-------------|-------------|------------|---------|
| NTNV          | DH5      | Ant1    | 2402           | 30~1000          | -84.12       | ≤-54        | 0.00387     | ≤4         | PASS    |
|               |          |         |                | 1000~12500       | -66.44       | ≤-47        | 0.22699     | ≤20        | PASS    |
|               |          |         | 2441           | 30~1000          | -84.03       | ≤-54        | 0.00395     | ≤4         | PASS    |
|               |          |         |                | 1000~12500       | -67          | ≤-47        | 0.19953     | ≤20        | PASS    |
|               |          |         | 2480           | 30~1000          | -83.71       | ≤-54        | 0.00426     | ≤4         | PASS    |
|               |          |         |                | 1000~12500       | -67.19       | ≤-47        | 0.19099     | ≤20        | PASS    |
|               | 2DH5     | Ant1    | 2402           | 30~1000          | -84.31       | ≤-54        | 0.00371     | ≤4         | PASS    |
|               |          |         |                | 1000~12500       | -66.77       | ≤-47        | 0.21038     | ≤20        | PASS    |
|               |          |         | 2441           | 30~1000          | -84.01       | ≤-54        | 0.00397     | ≤4         | PASS    |
|               |          |         |                | 1000~12500       | -67          | ≤-47        | 0.19953     | ≤20        | PASS    |
|               |          |         | 2480           | 30~1000          | -83.91       | ≤-54        | 0.00406     | ≤4         | PASS    |
|               |          |         |                | 1000~12500       | -66.94       | ≤-47        | 0.20230     | ≤20        | PASS    |
|               | 3DH5     | Ant1    | 2402           | 30~1000          | -83.97       | ≤-54        | 0.00401     | ≤4         | PASS    |
|               |          |         |                | 1000~12500       | -66.2        | ≤-47        | 0.23988     | ≤20        | PASS    |
|               |          |         | 2441           | 30~1000          | -84.25       | ≤-54        | 0.00376     | ≤4         | PASS    |
|               |          |         |                | 1000~12500       | -67.18       | ≤-47        | 0.19143     | ≤20        | PASS    |
|               |          |         | 2480           | 30~1000          | -84.31       | ≤-54        | 0.00371     | ≤4         | PASS    |
|               |          |         |                | 1000~12500       | -66.96       | ≤-47        | 0.20137     | ≤20        | PASS    |

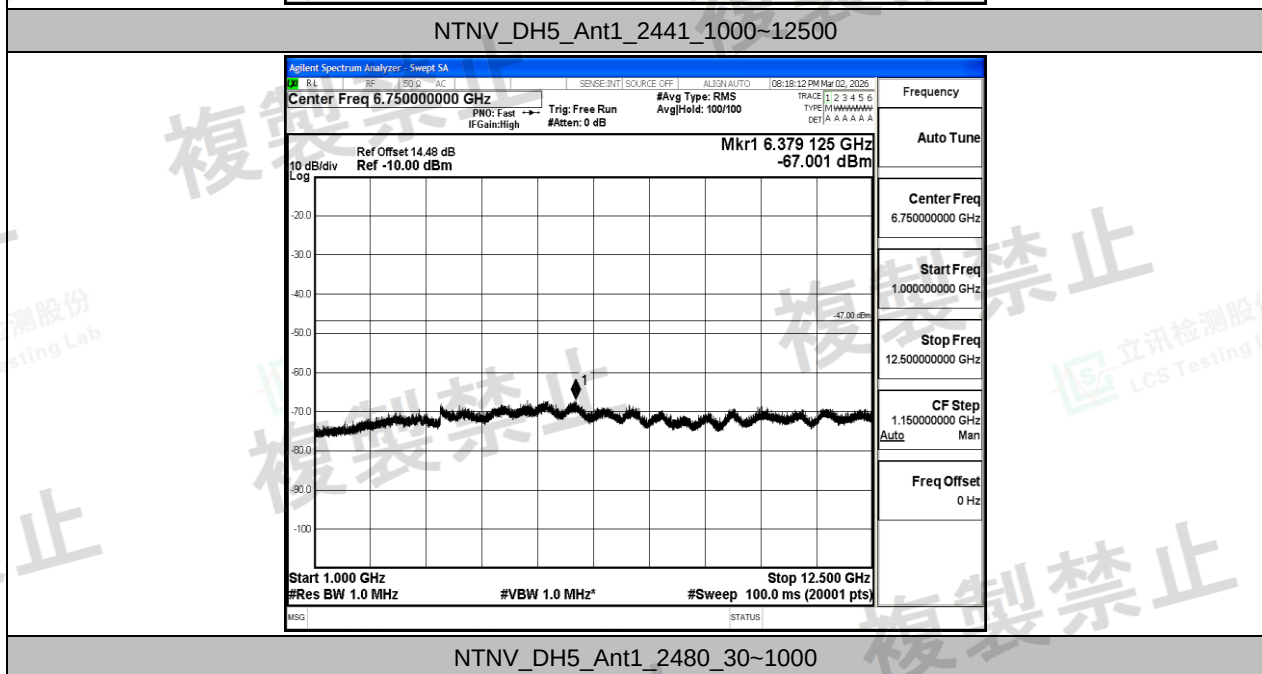
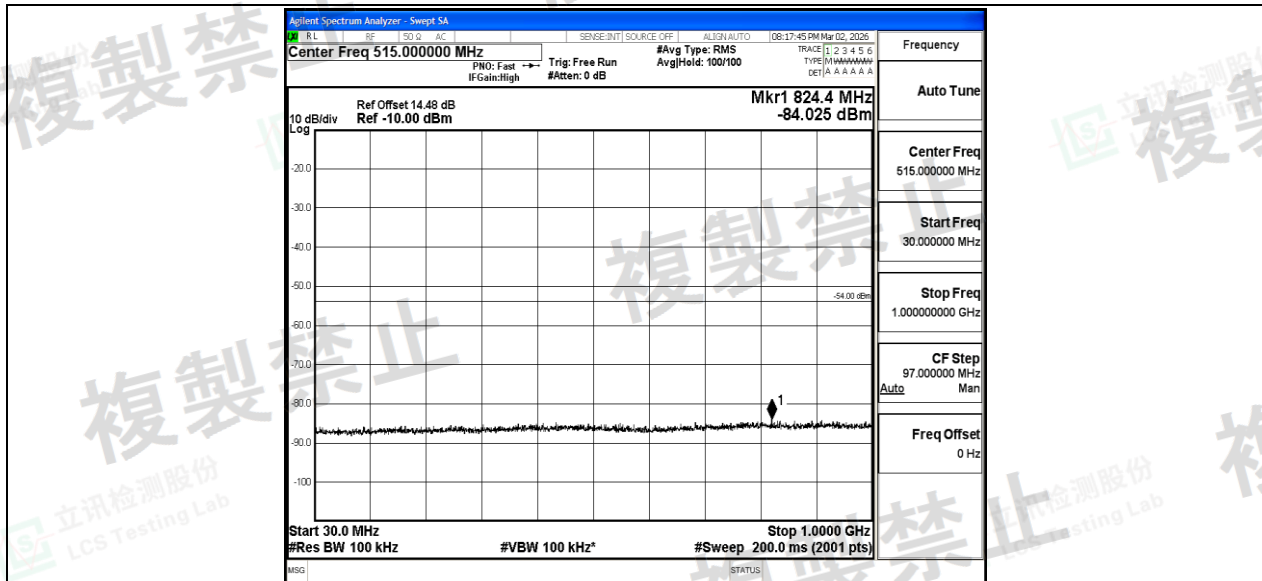


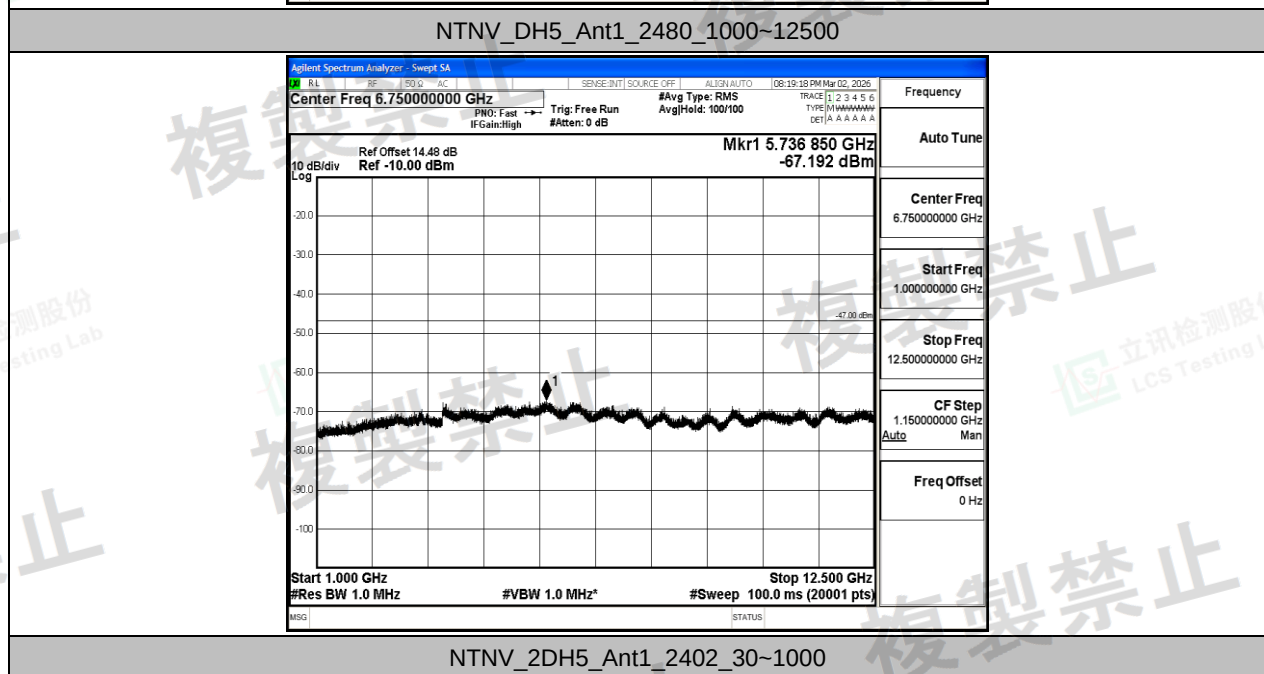
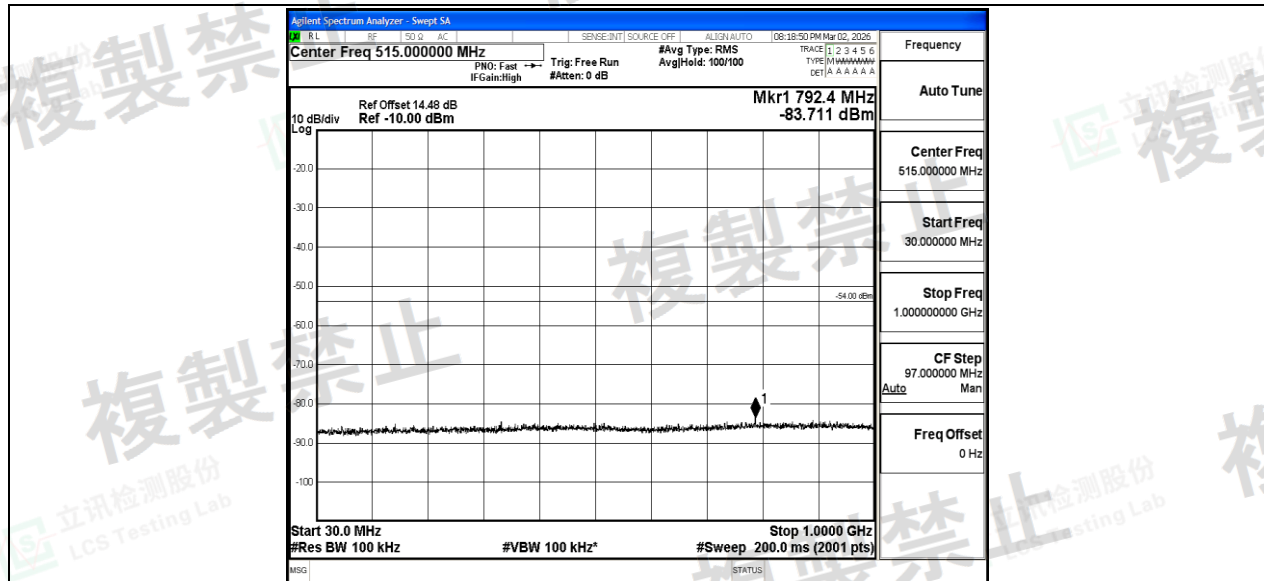
Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: Room 101/201, Building A, and Room 101/301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

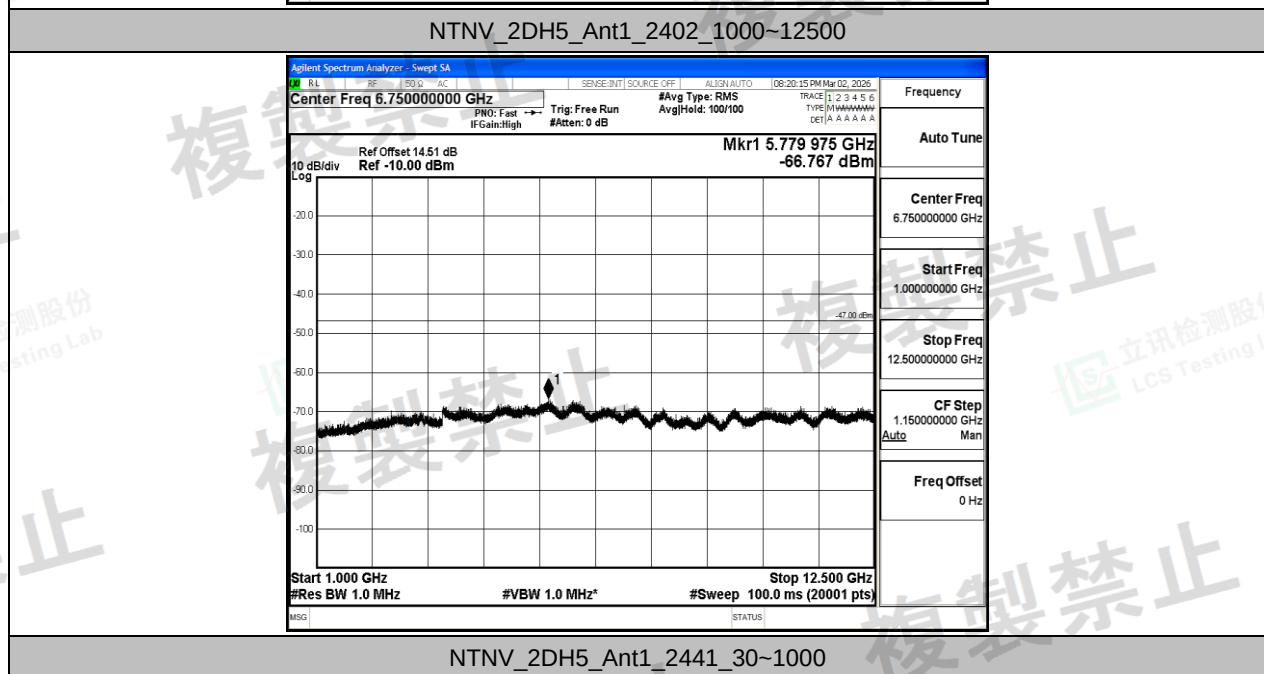
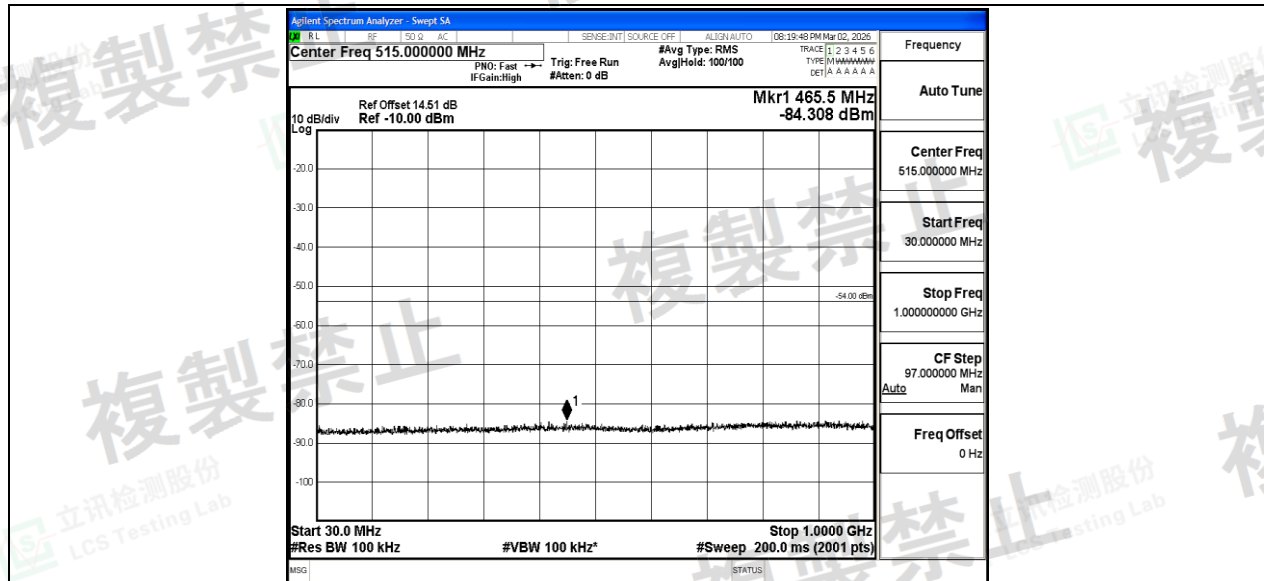


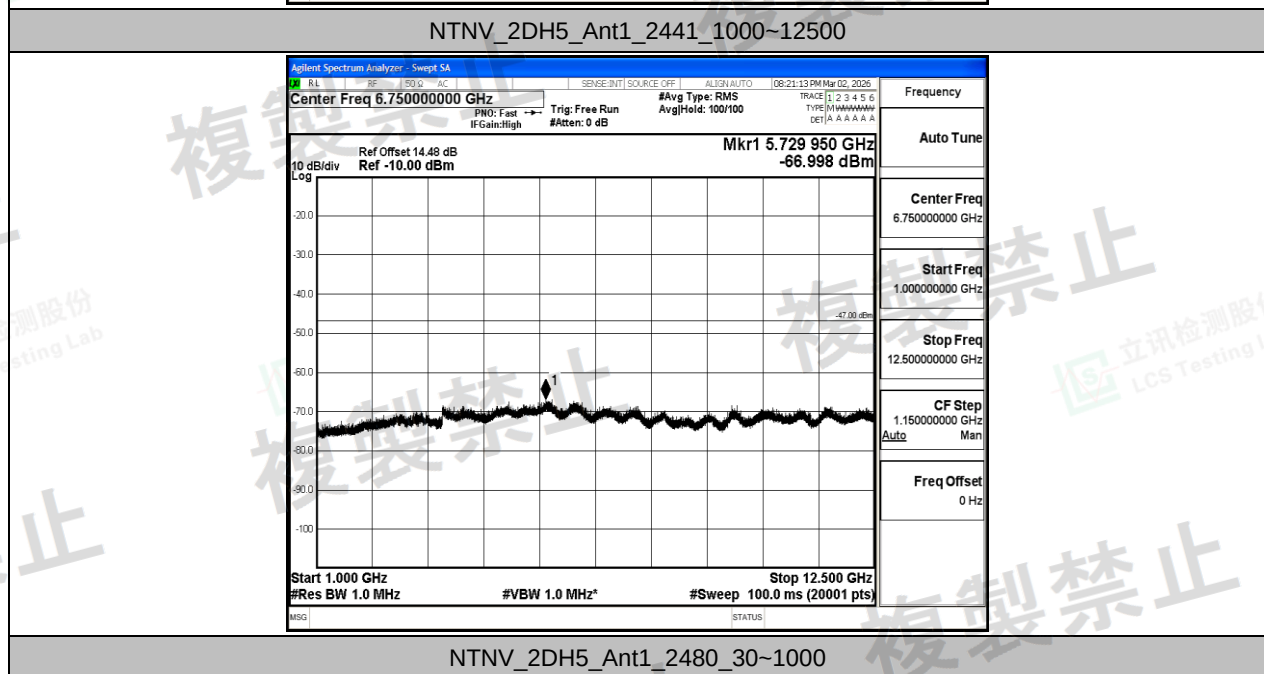
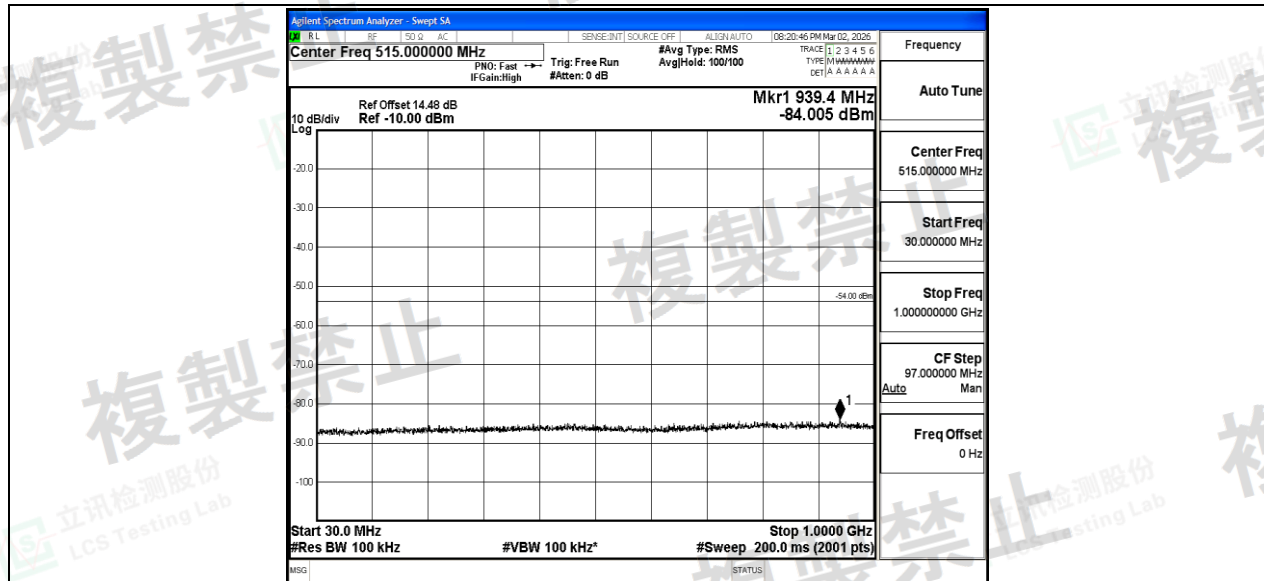
## Test Graphs

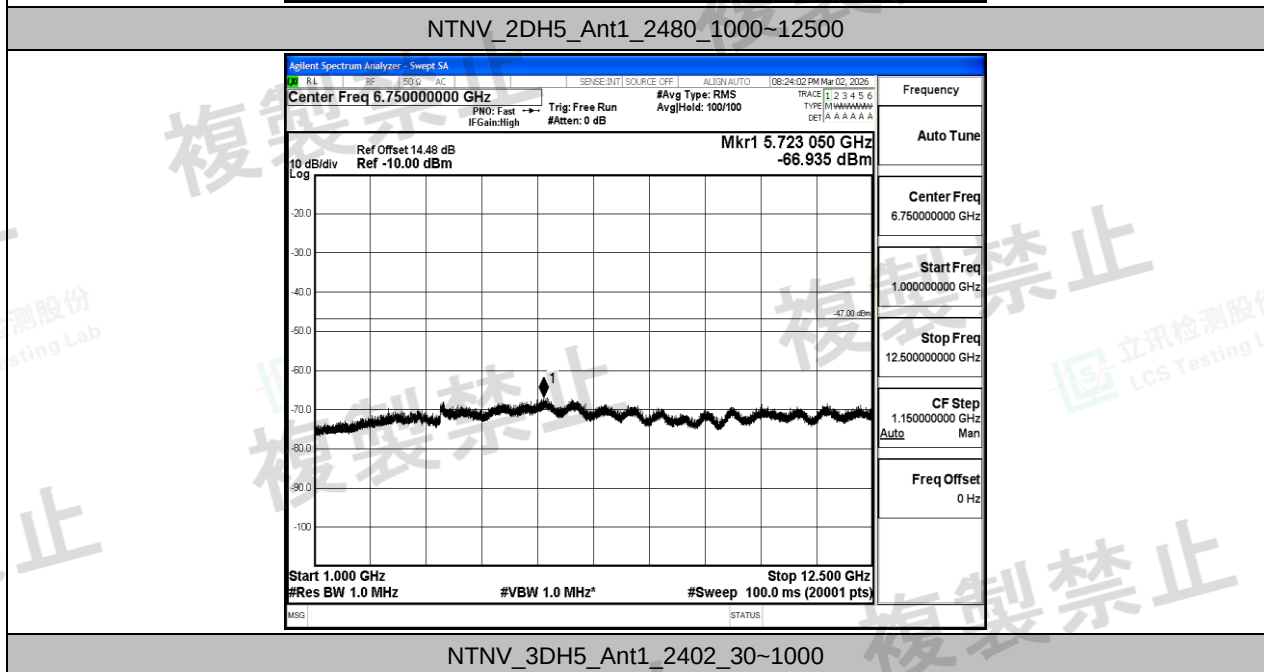
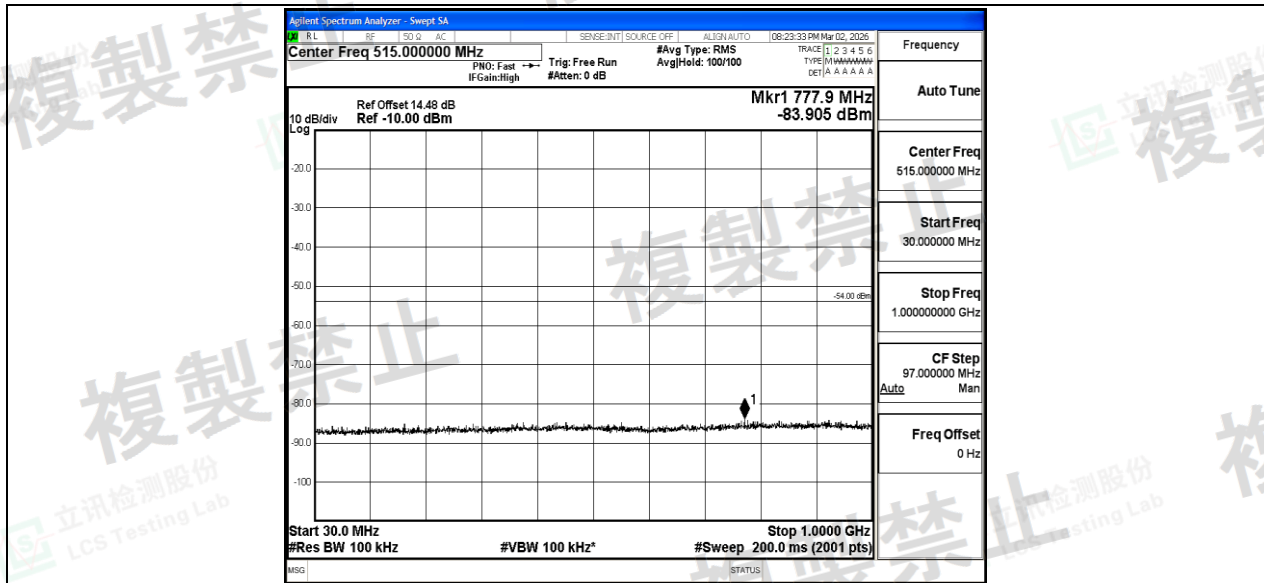


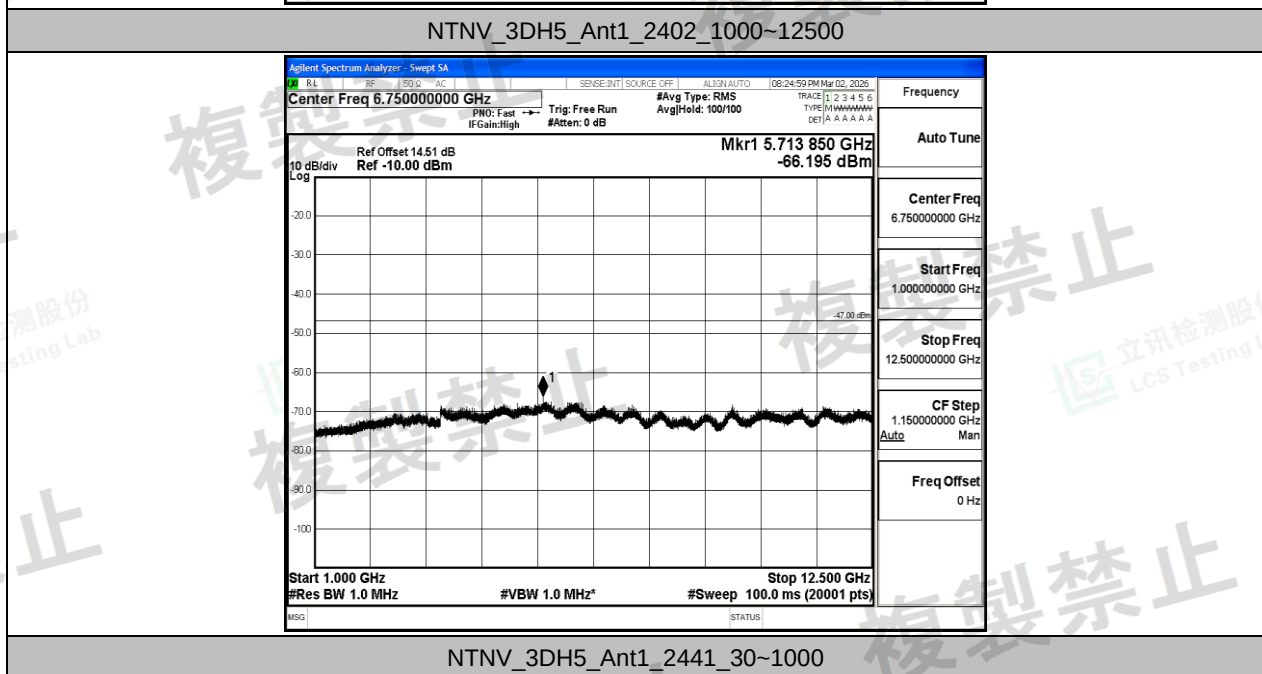
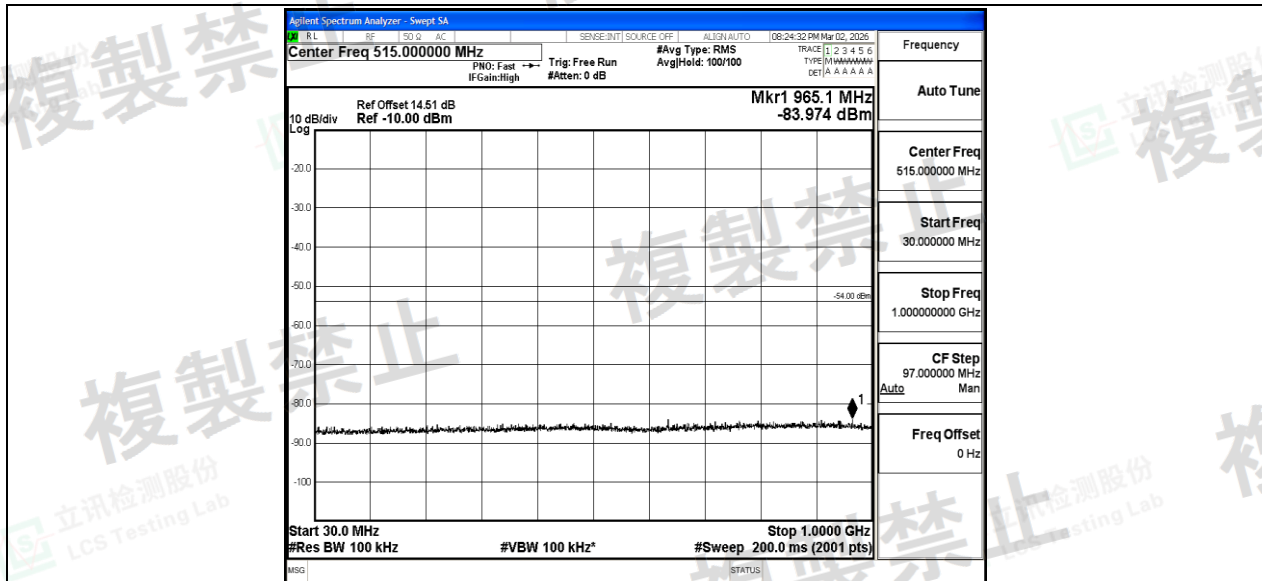


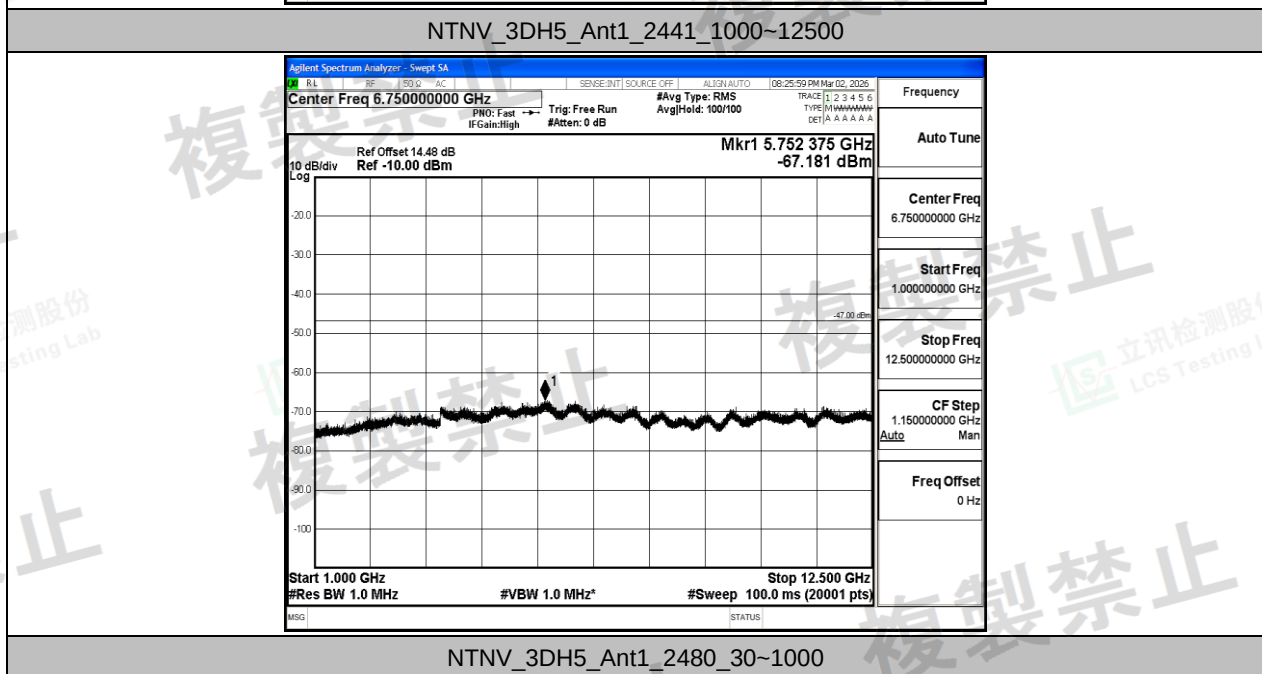
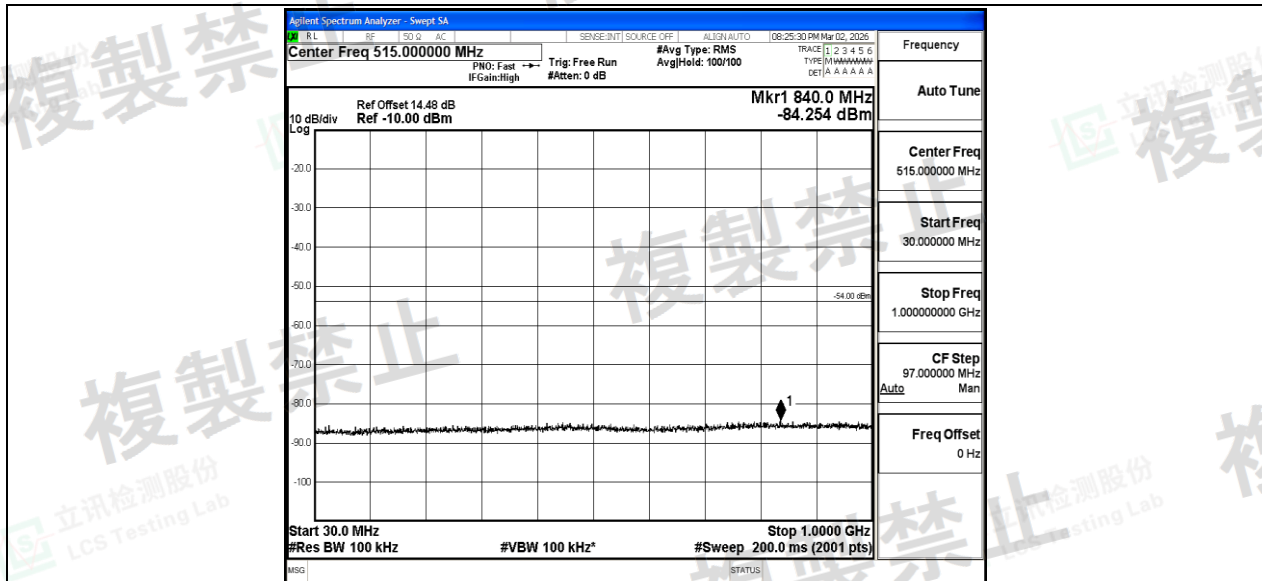


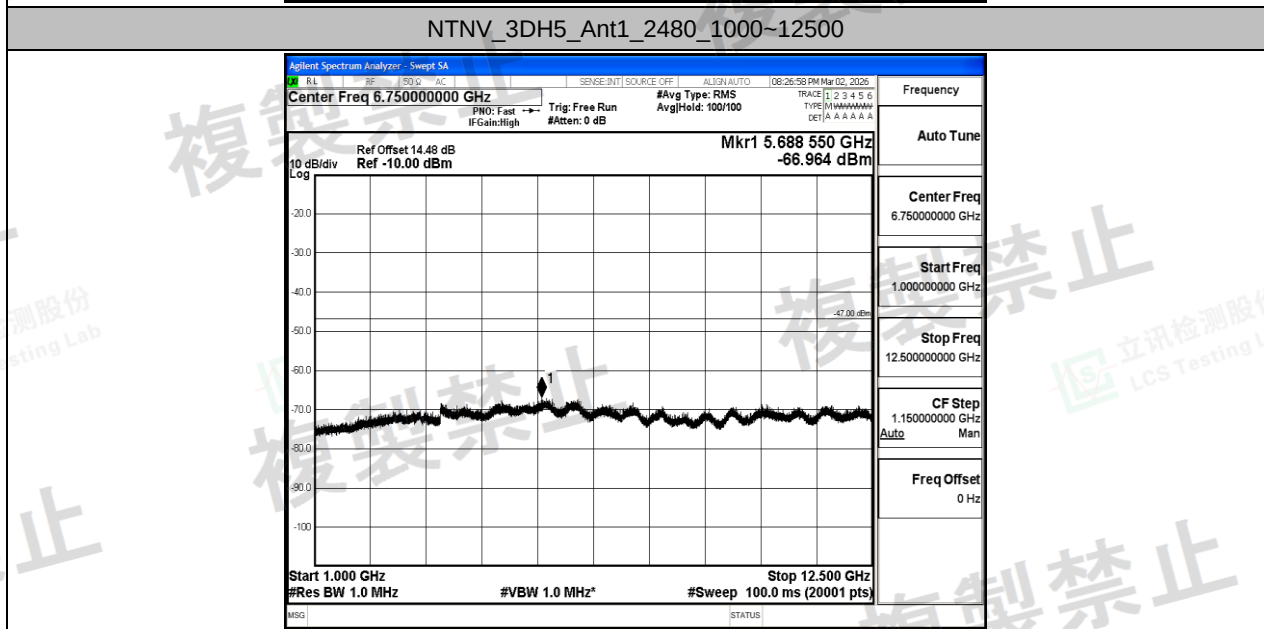
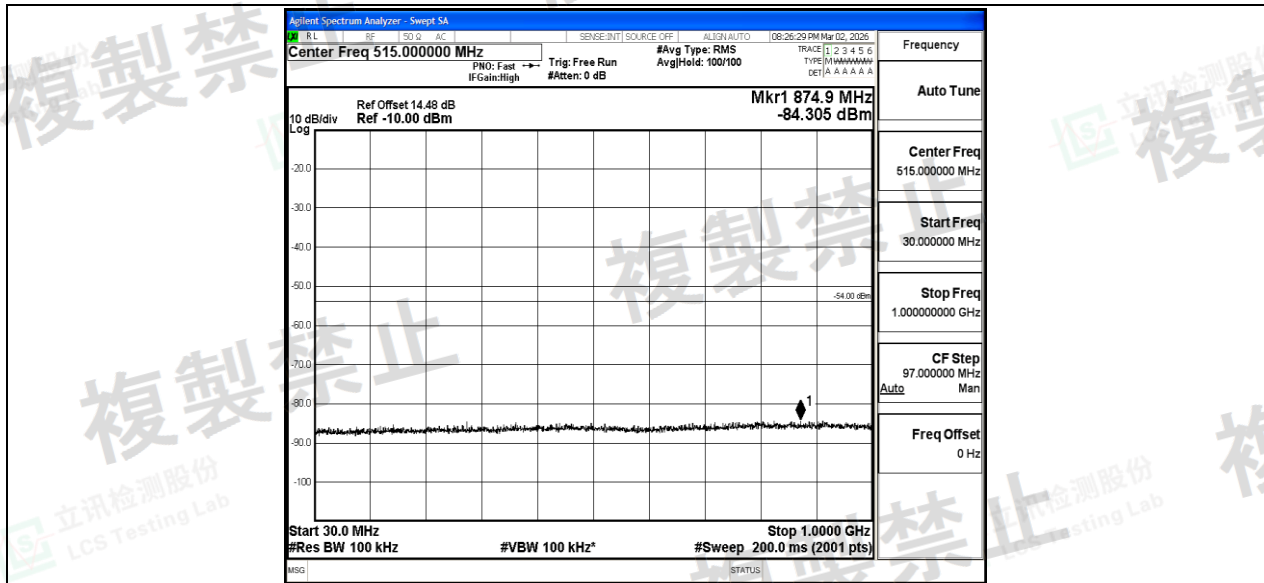














## A.7 Dwell Time

### Test Result

| TestCondition | TestMode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit<br>[s] | Verdict |
|---------------|----------|---------|----------------|--------------------|--------------------|-----------|--------------|---------|
| NTNV          | DH5      | Ant1    | Hop            | 2.91               | 100                | 0.291     | ≤0.4         | PASS    |
|               | 2DH5     | Ant1    | Hop            | 2.90               | 60                 | 0.174     | ≤0.4         | PASS    |
|               | 3DH5     | Ant1    | Hop            | 2.90               | 90                 | 0.261     | ≤0.4         | PASS    |



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## Test Graphs

