

## Appendix Test Data for 2.4G WIFI

## 1. Frequency Error

### 1.1 Test Result

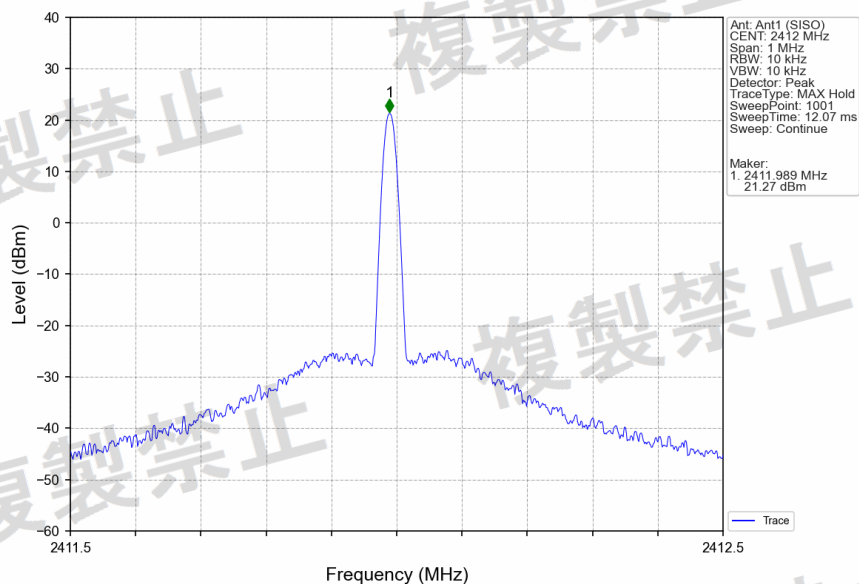
#### 1.1.1 Ant1

| Ant1 |              |         |                 |                          |                 |           |         |
|------|--------------|---------|-----------------|--------------------------|-----------------|-----------|---------|
| ENV  | Mode         | TX Type | Frequency (MHz) | Measured Frequency (MHz) | Tolerance (ppm) |           | Verdict |
|      |              |         |                 |                          | Result          | Limit     |         |
| NTNV | Carrier Wave | SISO    | 2412            | 2411.989                 | -4.56           | -50 to 50 | Pass    |
|      |              |         | 2472            | 2471.989                 | -4.45           | -50 to 50 | Pass    |
|      |              |         | 2422            | 2421.989                 | -4.54           | -50 to 50 | Pass    |
|      |              |         | 2462            | 2461.989                 | -4.47           | -50 to 50 | Pass    |

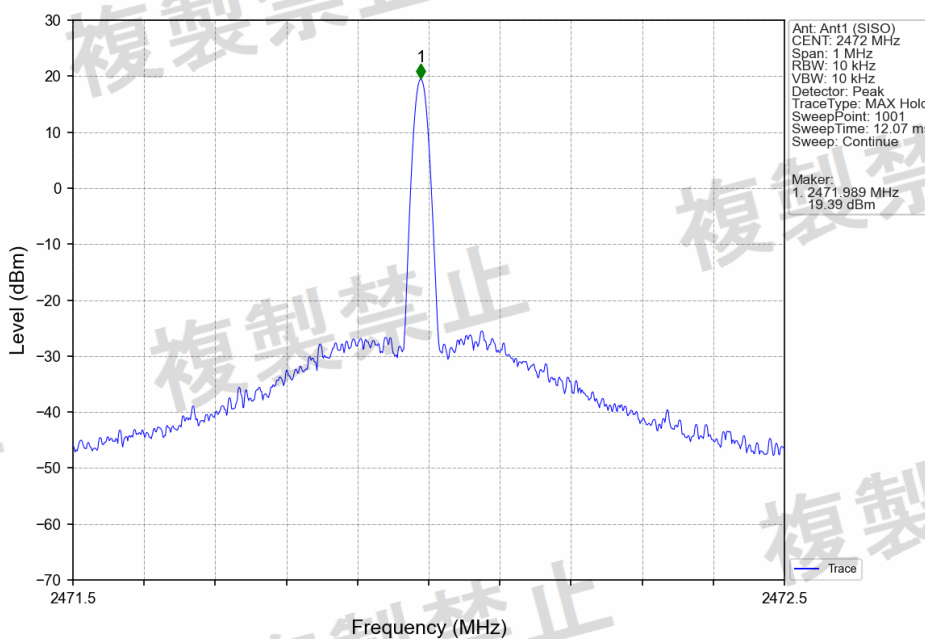
## 1.2 Test Graph

### 1.2.1 Ant1

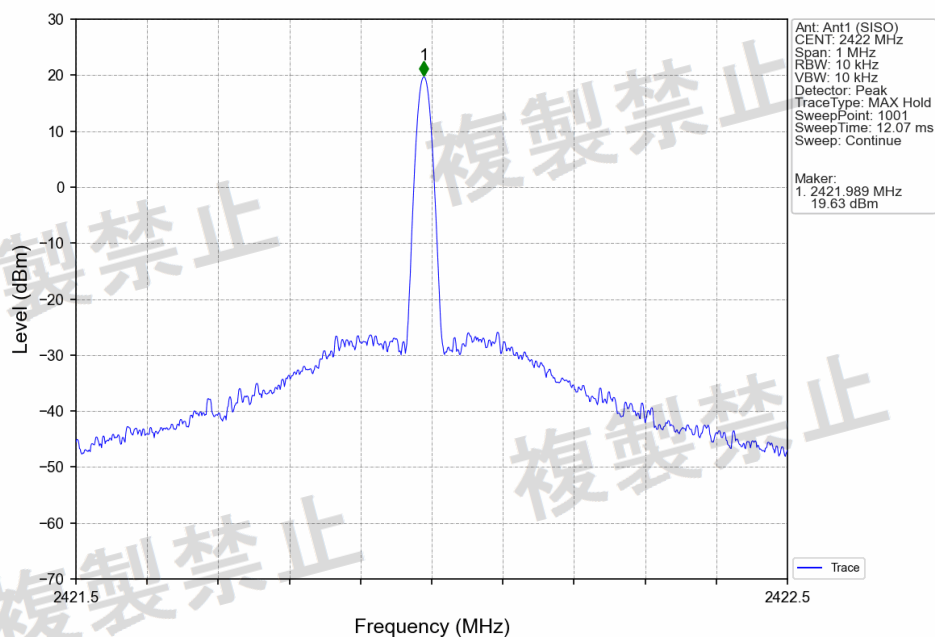
Frequency Error\_NTNV\_Carrier Wave\_2412MHz\_Ant1 (SISO)\_NTNV



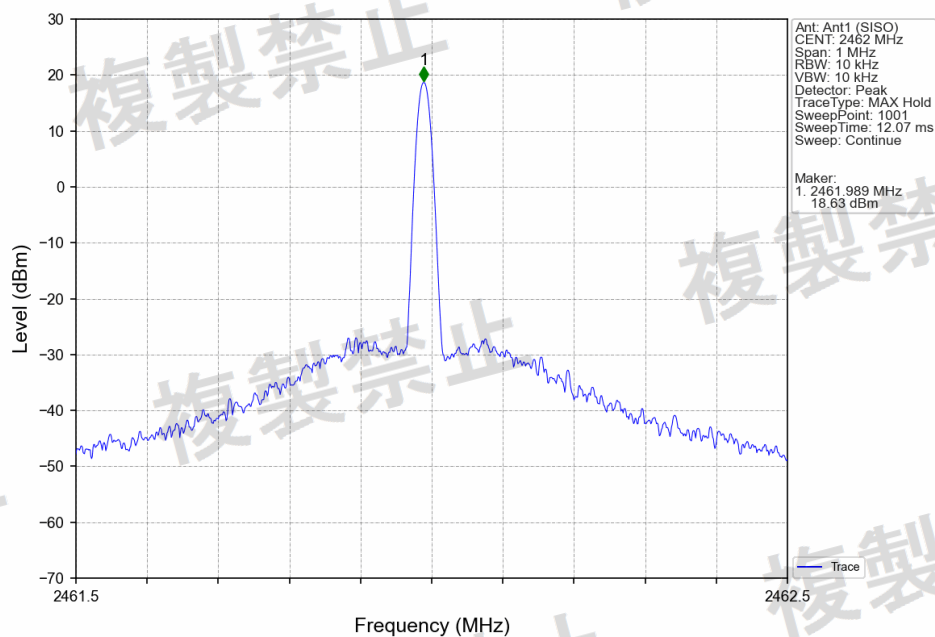
Frequency Error\_NTNV\_Carrier Wave\_2472MHz\_Ant1 (SISO)\_NTNV



Frequency Error\_NTNV\_Carrier Wave\_2422MHz\_Ant1 (SISO)\_NTNV



Frequency Error\_NTNV\_Carrier Wave\_2462MHz\_Ant1 (SISO)\_NTNV



## 2. Occupied Bandwidth

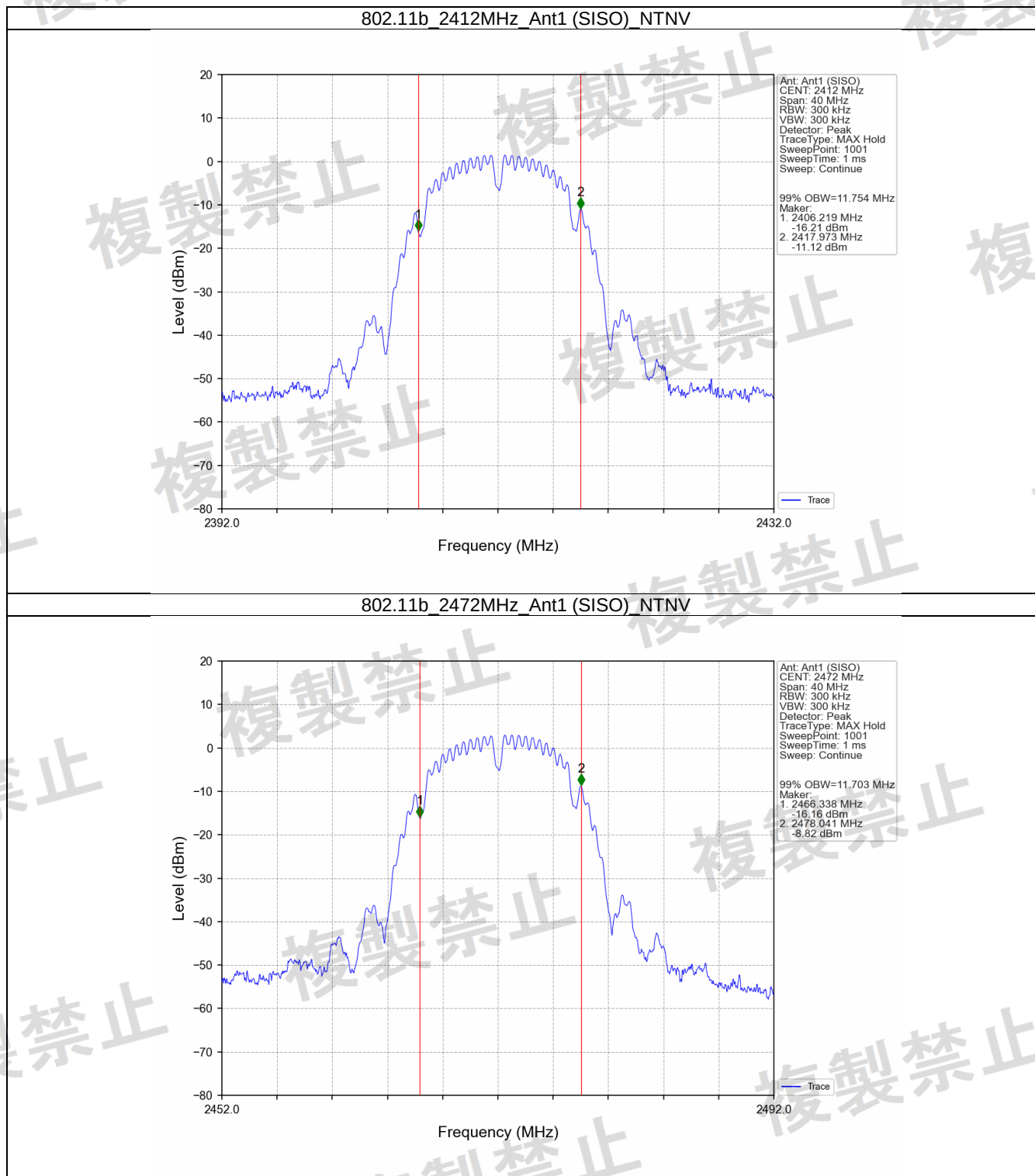
### 2.1 Test Result

#### 2.1.1 OBW

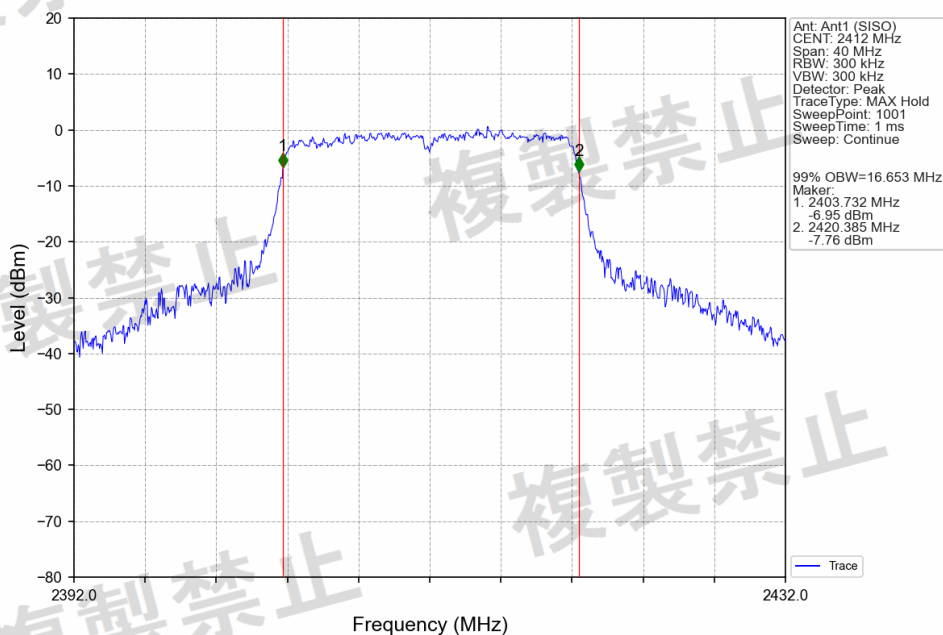
| ENV  | Mode           | TX Type | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |           | Verdict |
|------|----------------|---------|-----------------|------------------------------|-----------|---------|
|      |                |         |                 | ANT1                         | Limit     |         |
| NTNV | 802.11b        | SISO    | 2412            | 11.754                       | $\leq 26$ | Pass    |
|      |                |         | 2472            | 11.703                       | $\leq 26$ | Pass    |
|      | 802.11g        | SISO    | 2412            | 16.653                       | $\leq 40$ | Pass    |
|      |                |         | 2472            | 16.617                       | $\leq 40$ | Pass    |
|      | 802.11n (HT20) | SISO    | 2412            | 17.626                       | $\leq 40$ | Pass    |
|      |                |         | 2472            | 17.592                       | $\leq 40$ | Pass    |
|      | 802.11n (HT40) | SISO    | 2422            | 35.966                       | $\leq 40$ | Pass    |
|      |                |         | 2462            | 36.212                       | $\leq 40$ | Pass    |

## 2.2 Test Graph

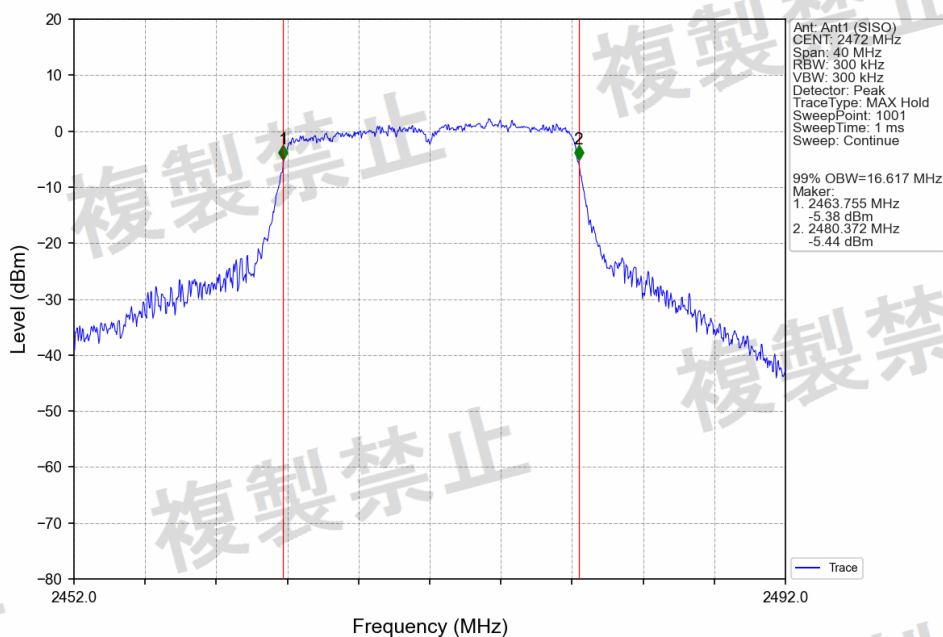
### 2.2.1 OBW



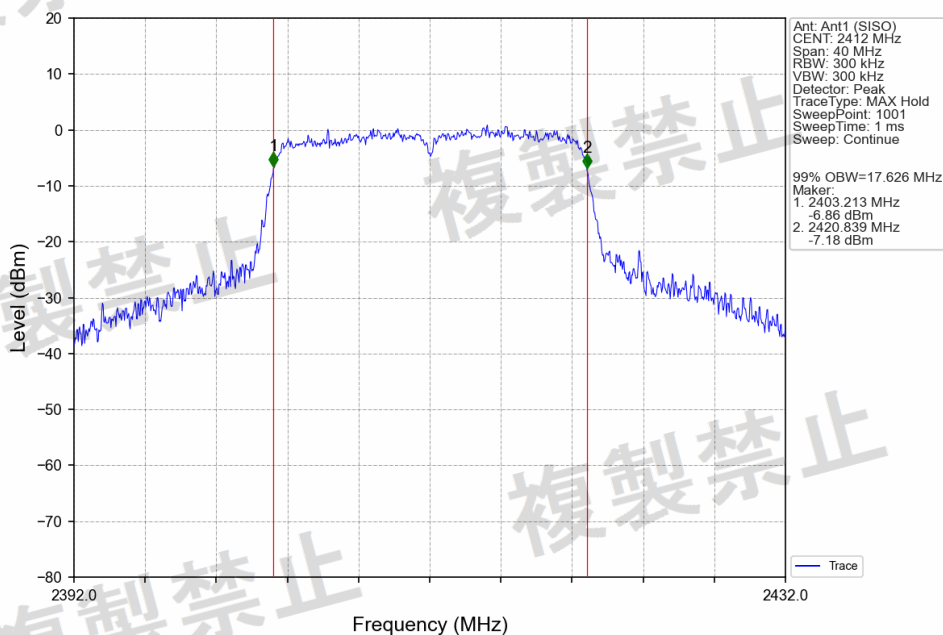
802.11g 2412MHz\_Ant1 (SISO)\_NTNV



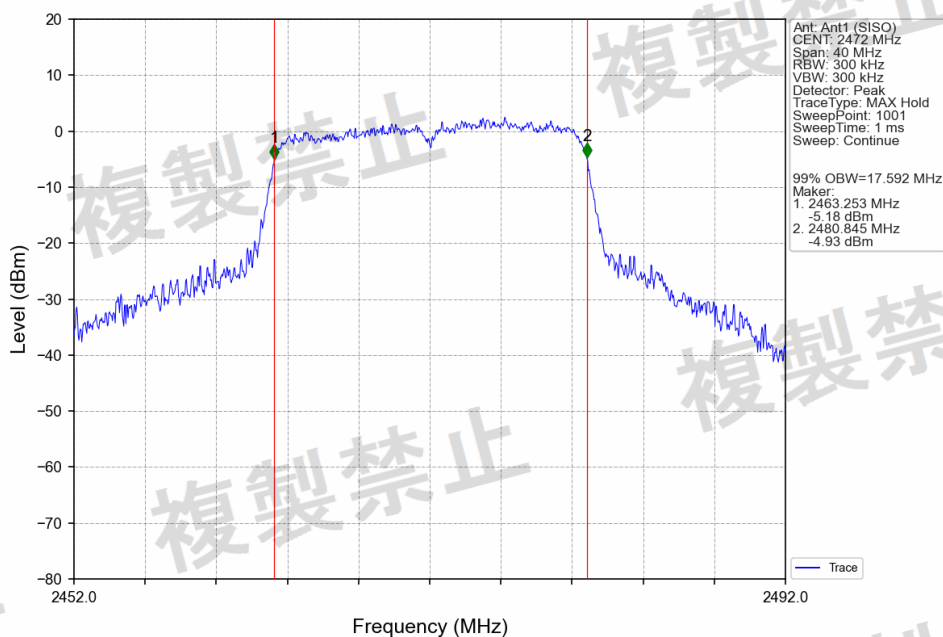
802.11g 2472MHz\_Ant1 (SISO)\_NTNV



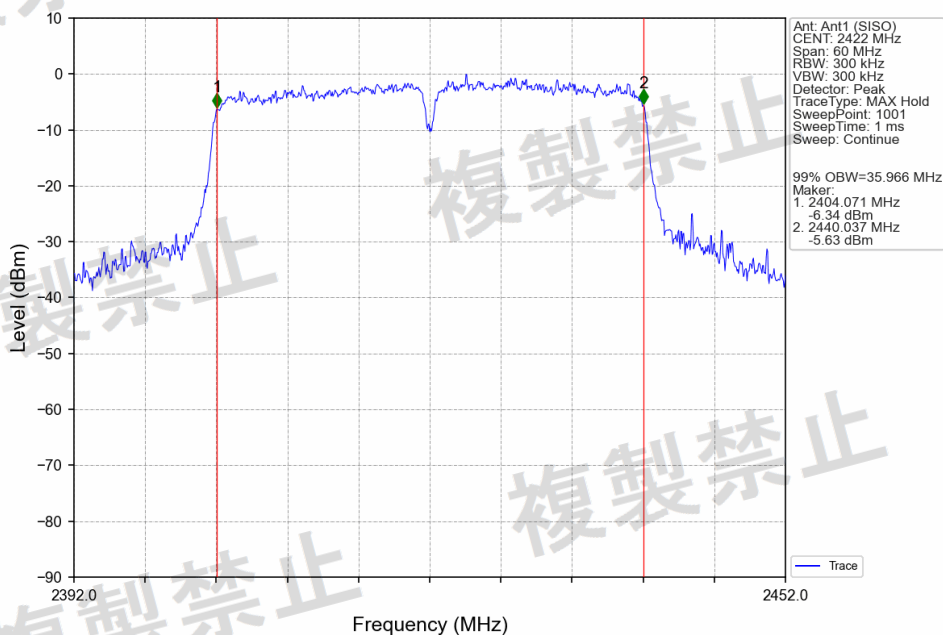
802.11n(HT20) 2412MHz Ant1 (SISO) NTVN



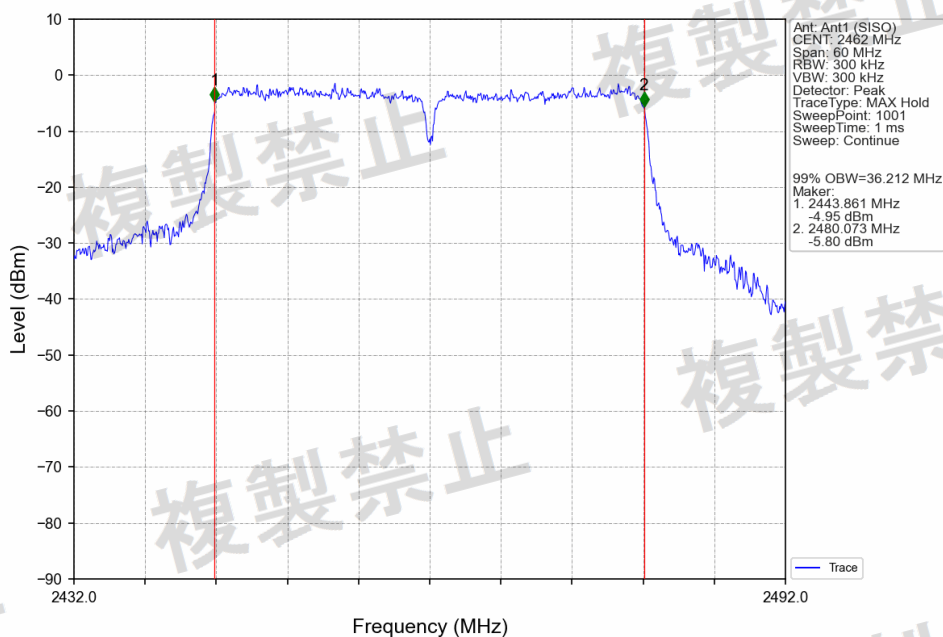
802.11n(HT20) 2472MHz Ant1 (SISO) NTVN



802.11n(HT40) 2422MHz Ant1 (SISO) NTVN



802.11n(HT40) 2462MHz Ant1 (SISO) NTVN



### 3. Antenna Power

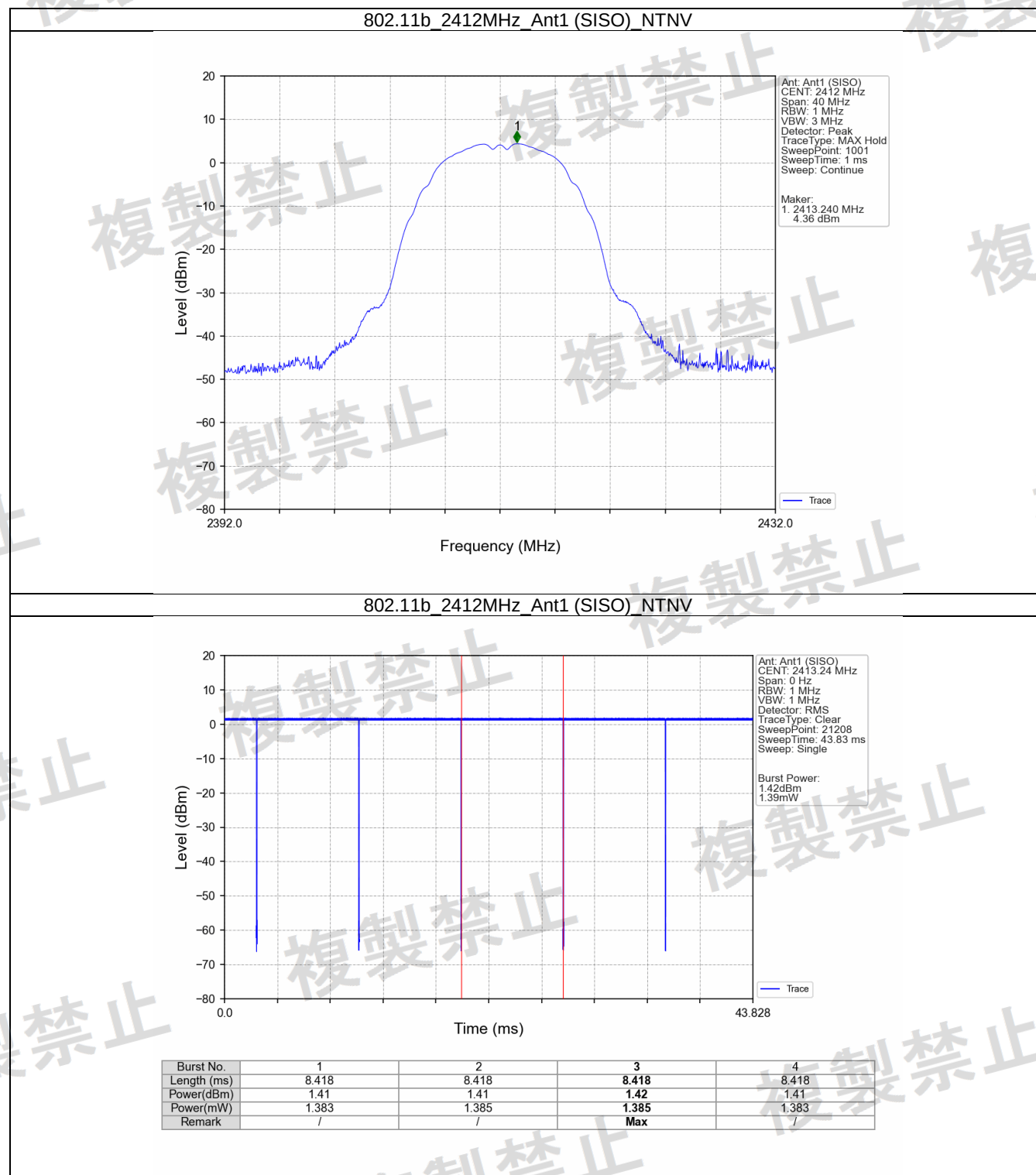
#### 3.1 Test Result

##### 3.1.1 Power

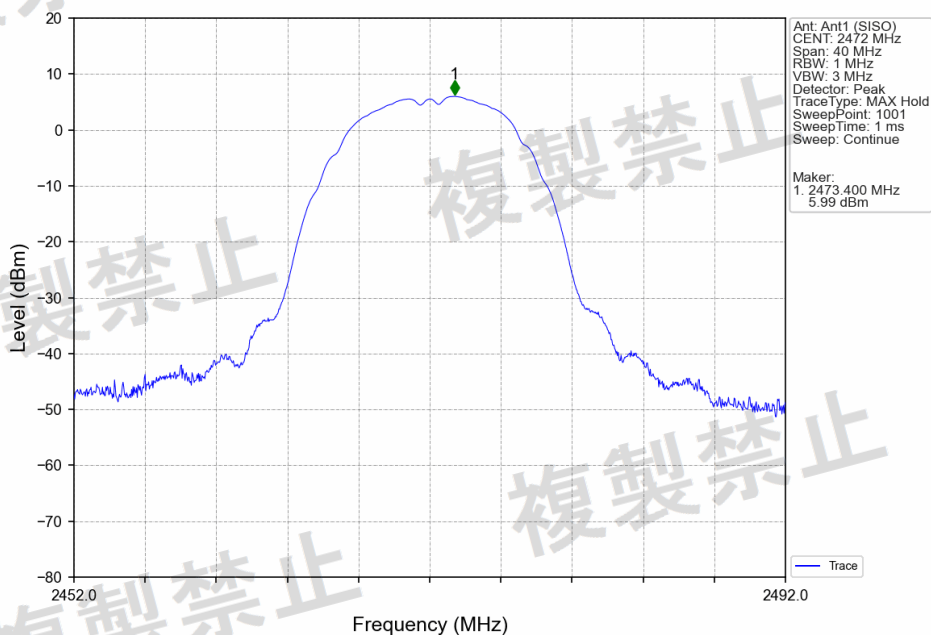
| ENV  | Mode           | TX Type | Frequency (MHz) | ANT | Antenna Power (mW/MHz) |              | Nominal Power (mW/MHz) | Tolerance (%) |           | Verdict |
|------|----------------|---------|-----------------|-----|------------------------|--------------|------------------------|---------------|-----------|---------|
|      |                |         |                 |     | Measured               | Limit        |                        | Measured      | Limit     |         |
| NTNV | 802.11b        | SISO    | 2412            | 1   | 1.385                  | $\leq 10.00$ | 2.000                  | -30.75        | $\leq 20$ | Pass    |
|      |                |         | 2472            | 1   | 1.998                  | $\leq 10.00$ | 2.000                  | -0.10         | $\leq 20$ | Pass    |
|      | 802.11g        | SISO    | 2412            | 1   | 0.609                  | $\leq 10.00$ | 0.960                  | -36.56        | $\leq 20$ | Pass    |
|      |                |         | 2472            | 1   | 0.958                  | $\leq 10.00$ | 0.960                  | -0.21         | $\leq 20$ | Pass    |
|      | 802.11n (HT20) | SISO    | 2412            | 1   | 0.630                  | $\leq 10.00$ | 0.910                  | -30.77        | $\leq 20$ | Pass    |
|      |                |         | 2472            | 1   | 0.907                  | $\leq 10.00$ | 0.910                  | -0.33         | $\leq 20$ | Pass    |
|      | 802.11n (HT40) | SISO    | 2422            | 1   | 0.398                  | $\leq 5.00$  | 0.400                  | -0.50         | $\leq 20$ | Pass    |
|      |                |         | 2462            | 1   | 0.353                  | $\leq 5.00$  | 0.400                  | -11.75        | $\leq 20$ | Pass    |

## 3.2 Test Graph

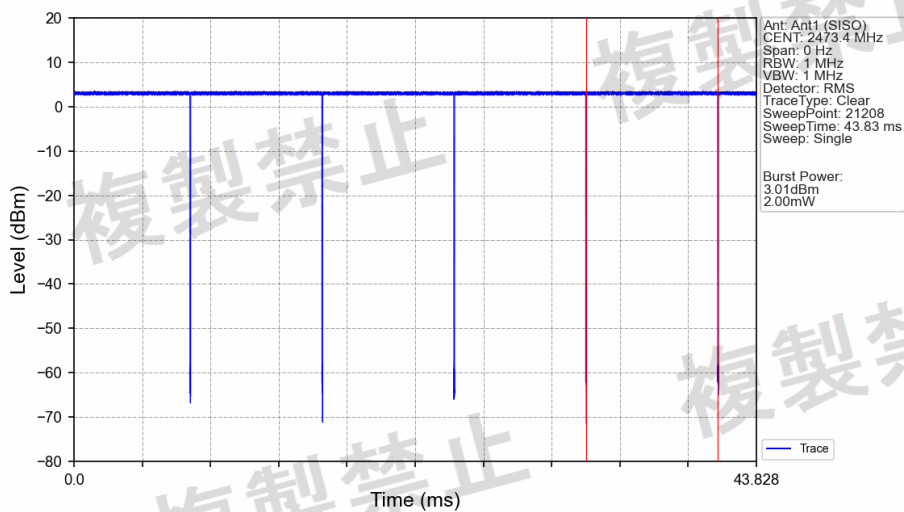
### 3.2.1 Power



802.11b 2472MHz\_Ant1 (SISO)\_NTNV

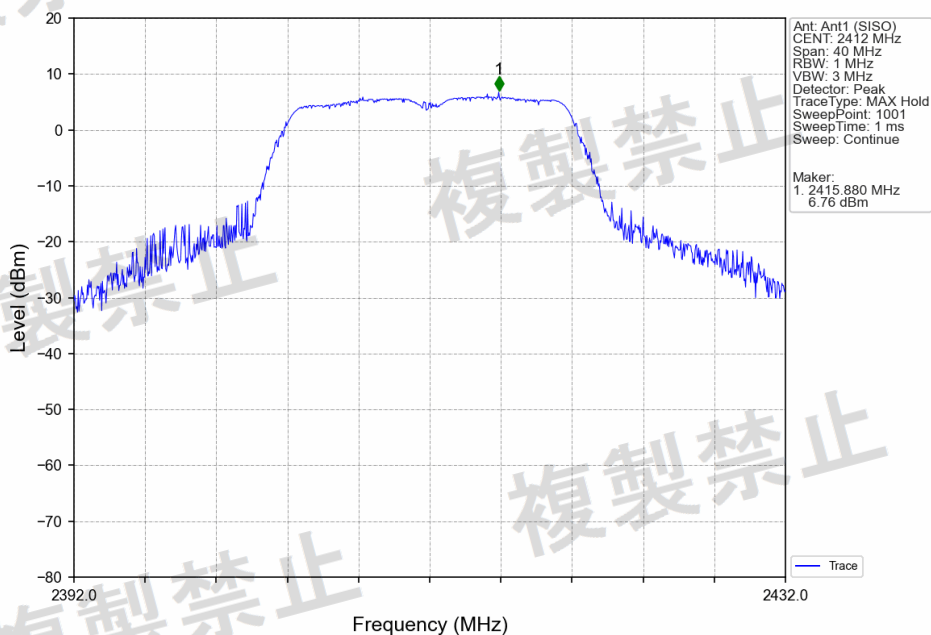


802.11b\_2472MHz\_Ant1 (SISO)\_NTNV

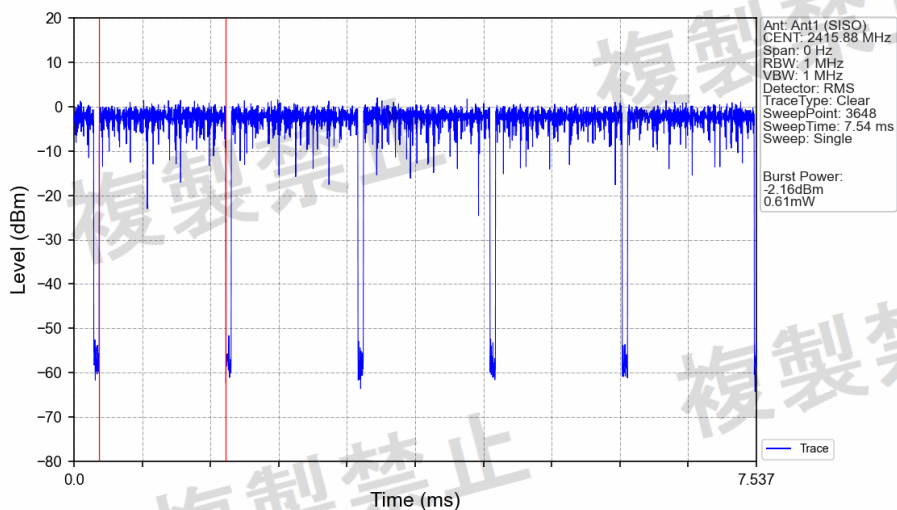


| Burst No.   | 1     | 2     | 3     | 4     |
|-------------|-------|-------|-------|-------|
| Length (ms) | 8.418 | 8.418 | 8.418 | 8.415 |
| Power(dBm)  | 3.00  | 3.00  | 3.00  | 3.01  |
| Power(mW)   | 1.996 | 1.994 | 1.996 | 1.998 |
| Remark      | /     | /     | /     | Max   |

802.11g 2412MHz Ant1 (SISO) NTNV

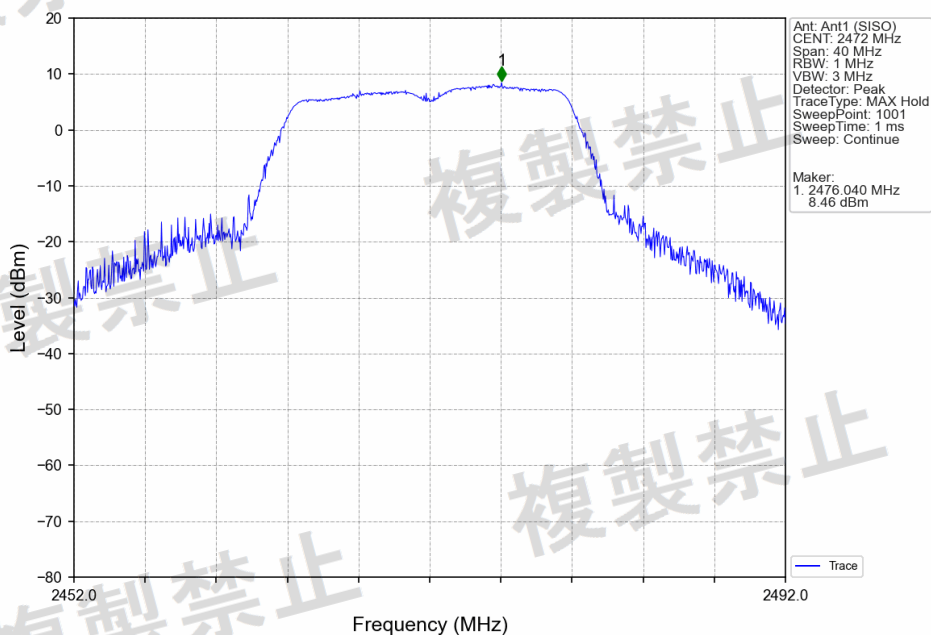


802.11g 2412MHz Ant1 (SISO) NTNV

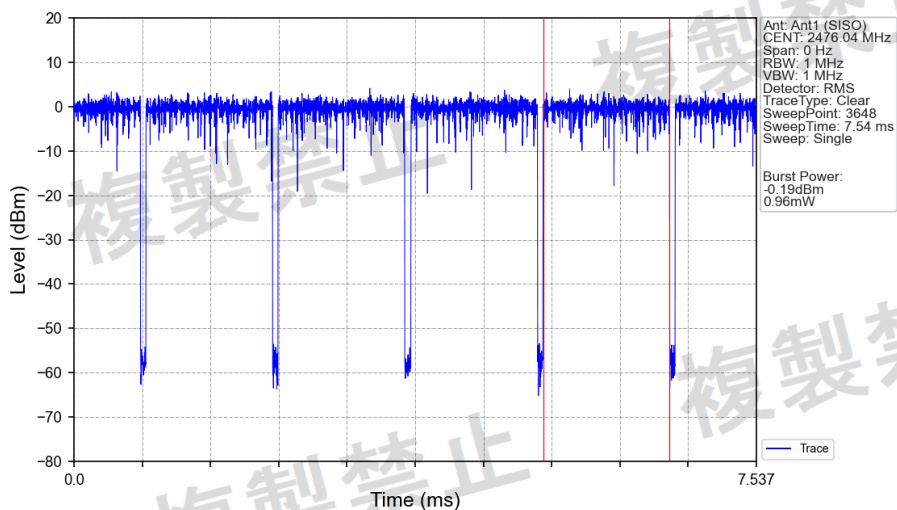


| Burst No.   | 1     | 2     | 3     | 4     | 5     |
|-------------|-------|-------|-------|-------|-------|
| Length (ms) | 1.397 | 1.397 | 1.397 | 1.397 | 1.397 |
| Power(dBm)  | -2.16 | -2.18 | -2.18 | -2.22 | -2.19 |
| Power(mW)   | 0.609 | 0.605 | 0.605 | 0.600 | 0.603 |
| Remark      | Max   | /     | /     | /     | /     |

802.11g 2472MHz\_Ant1 (SISO)\_NTNV

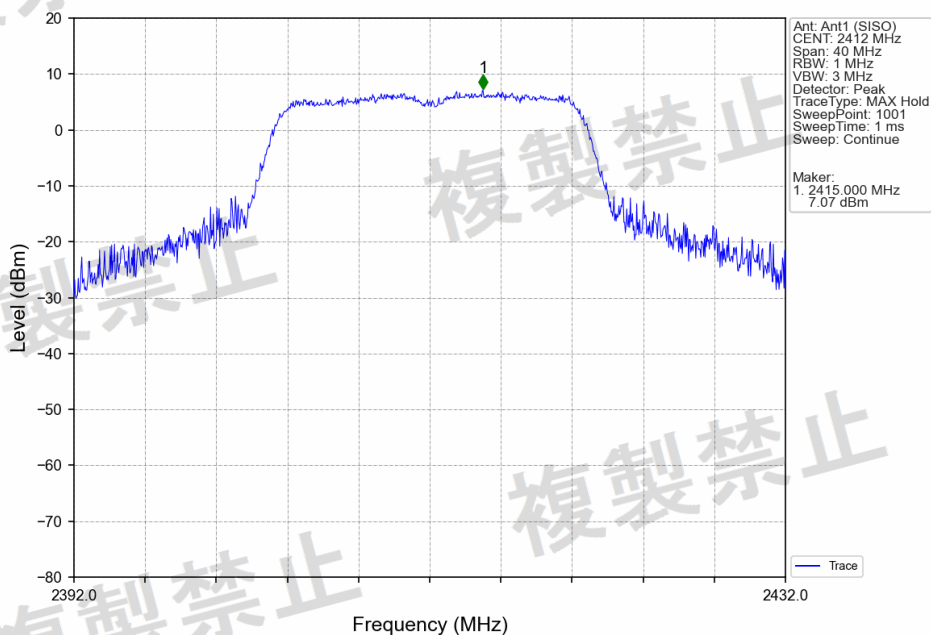


802.11g 2472MHz\_Ant1 (SISO)\_NTNV

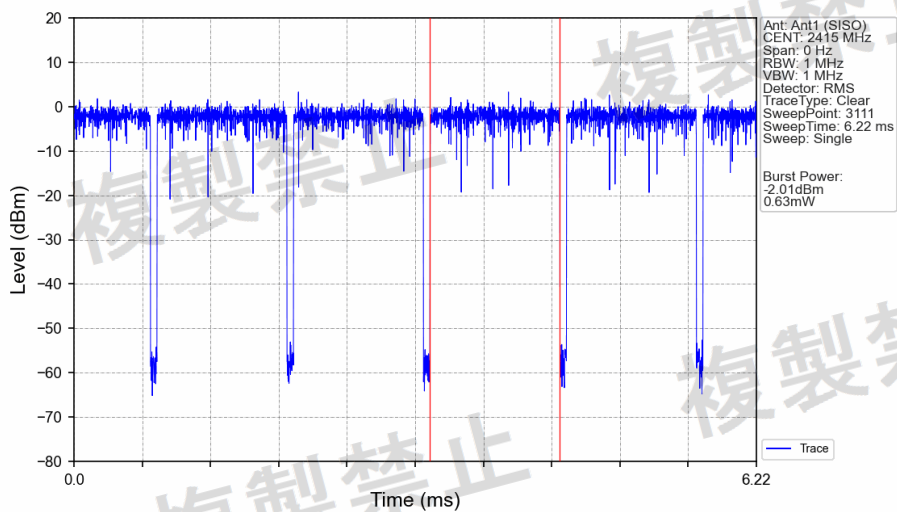


| Burst No.   | 1     | 2     | 3     | 4     |
|-------------|-------|-------|-------|-------|
| Length (ms) | 1.397 | 1.397 | 1.397 | 1.397 |
| Power(dBm)  | -0.21 | -0.20 | -0.19 | -0.19 |
| Power(mW)   | 0.953 | 0.954 | 0.957 | 0.958 |
| Remark      | /     | /     | /     | Max   |

802.11n(HT20) 2412MHz Ant1 (SISO) NTVN

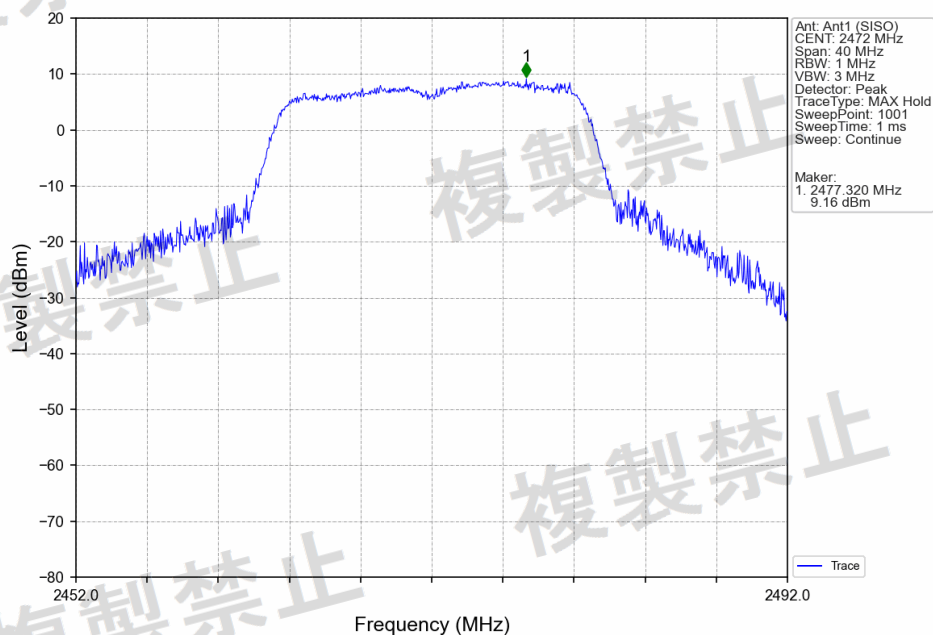


802.11n(HT20) 2412MHz Ant1 (SISO) NTVN

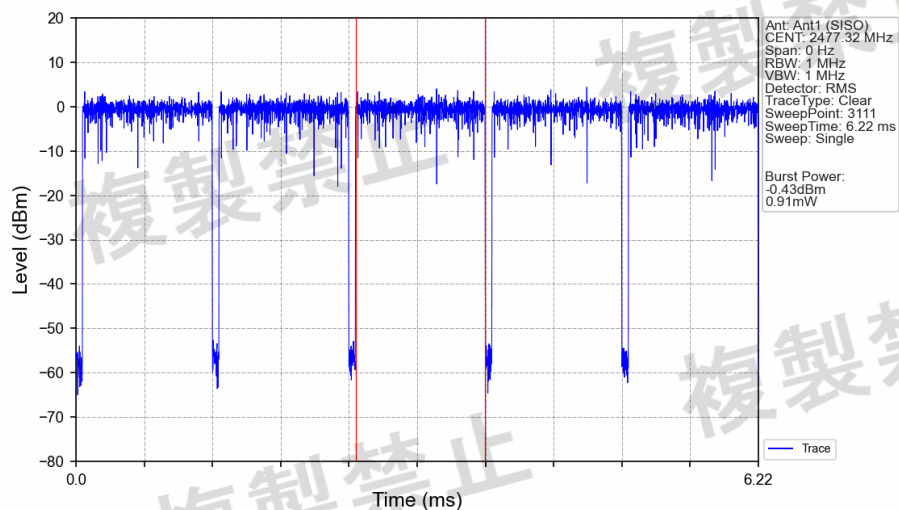


| Burst No.   | 1     | 2     | 3     | 4     |
|-------------|-------|-------|-------|-------|
| Length (ms) | 1.182 | 1.182 | 1.182 | 1.182 |
| Power(dBm)  | -2.10 | -2.06 | -2.01 | -2.08 |
| Power(mW)   | 0.616 | 0.622 | 0.630 | 0.620 |
| Remark      | /     | /     | Max   | /     |

802.11n(HT20) 2472MHz Ant1 (SISO) NTVN

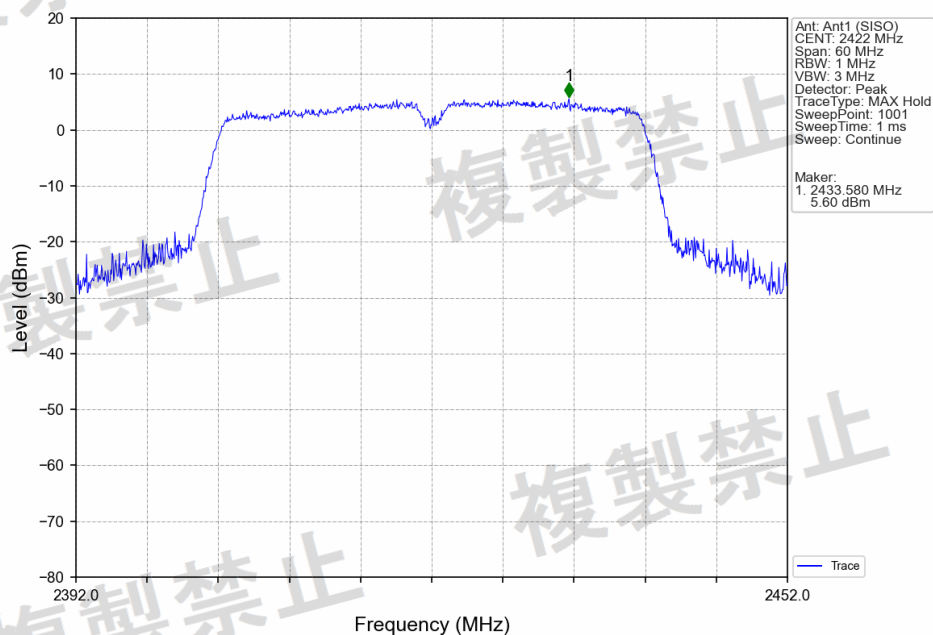


802.11n(HT20) 2472MHz Ant1 (SISO) NTVN

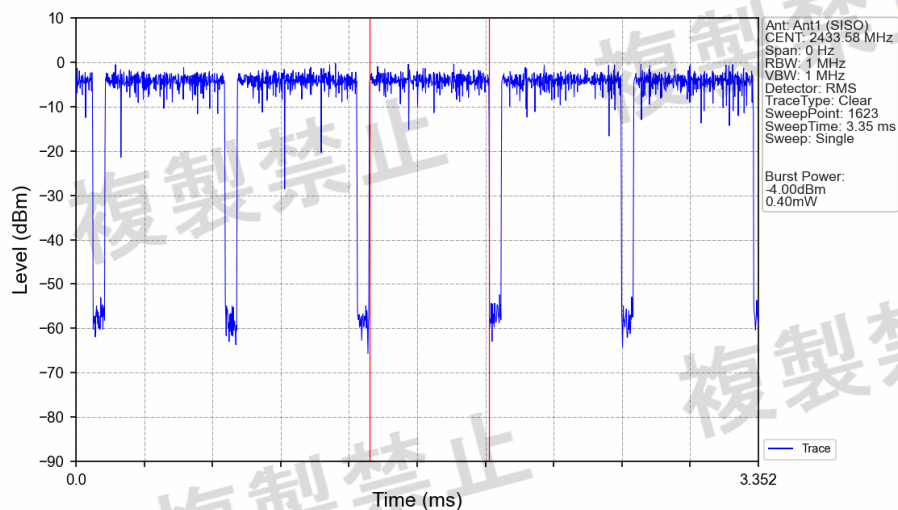


| Burst No.   | 1     | 2     | 3     | 4     |
|-------------|-------|-------|-------|-------|
| Length (ms) | 1.182 | 1.182 | 1.182 | 1.182 |
| Power(dBm)  | -0.49 | -0.43 | -0.43 | -0.46 |
| Power(mW)   | 0.892 | 0.906 | 0.907 | 0.899 |
| Remark      | /     | /     | Max   | /     |

802.11n(HT40) 2422MHz Ant1 (SISO) NTVN

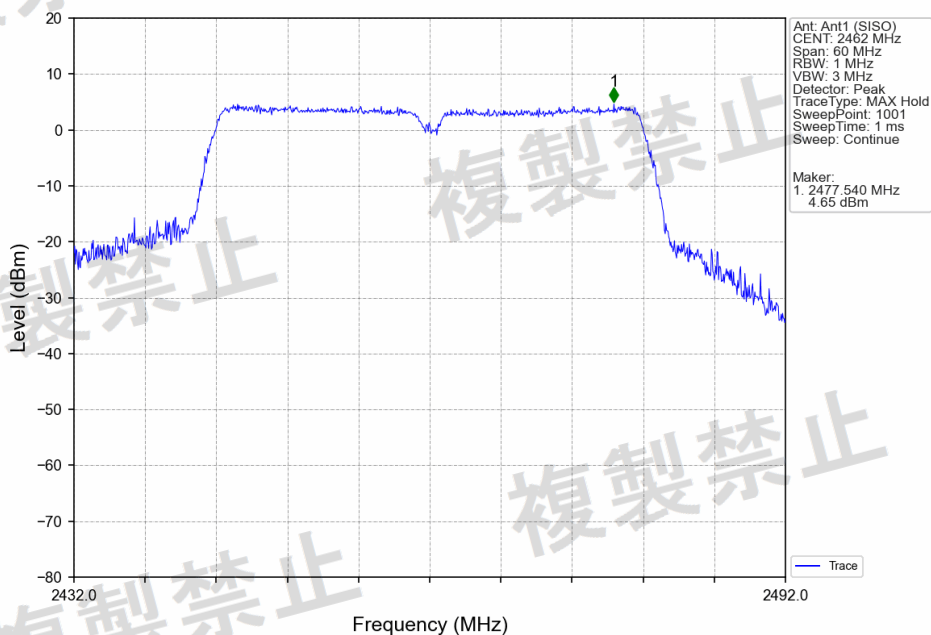


802.11n(HT40) 2422MHz Ant1 (SISO) NTVN

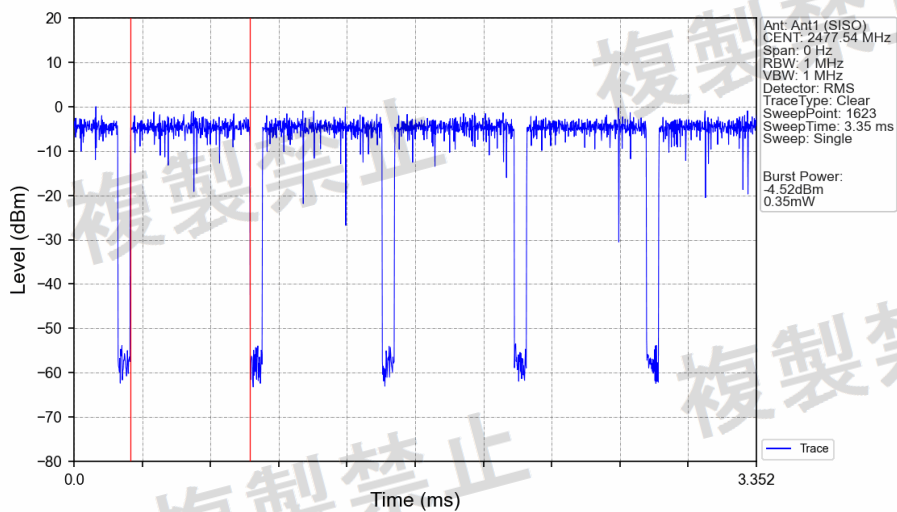


| Burst No.   | 1     | 2     | 3     | 4     | 5     |
|-------------|-------|-------|-------|-------|-------|
| Length (ms) | 0.589 | 0.589 | 0.589 | 0.589 | 0.589 |
| Power(dBm)  | -4.10 | -4.01 | -4.00 | -4.04 | -4.02 |
| Power(mW)   | 0.389 | 0.397 | 0.398 | 0.394 | 0.396 |
| Remark      | /     | /     | Max   | /     | /     |

802.11n(HT40) 2462MHz Ant1 (SISO) NTNV



802.11n(HT40) 2462MHz Ant1 (SISO) NTNV



| Burst No.   | 1     | 2     | 3     | 4     |
|-------------|-------|-------|-------|-------|
| Length (ms) | 0.587 | 0.587 | 0.587 | 0.587 |
| Power(dBm)  | -4.52 | -4.56 | -4.54 | -4.56 |
| Power(mW)   | 0.353 | 0.350 | 0.352 | 0.350 |
| Remark      | Max   | /     | /     | /     |

## 4. Spurious Emission Intensity

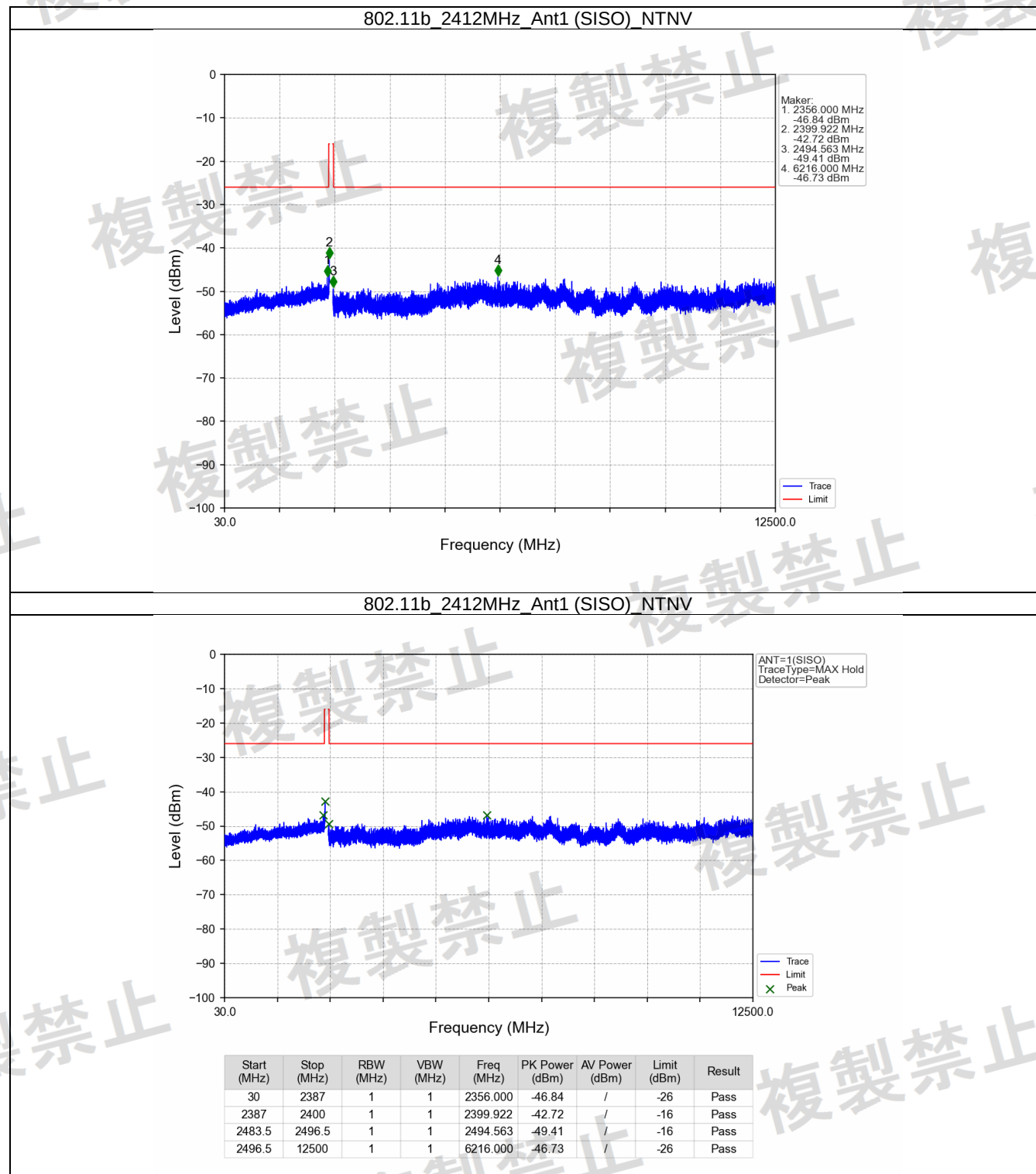
### 4.1 Test Result

#### 4.1.1 TxSe\_NTNV

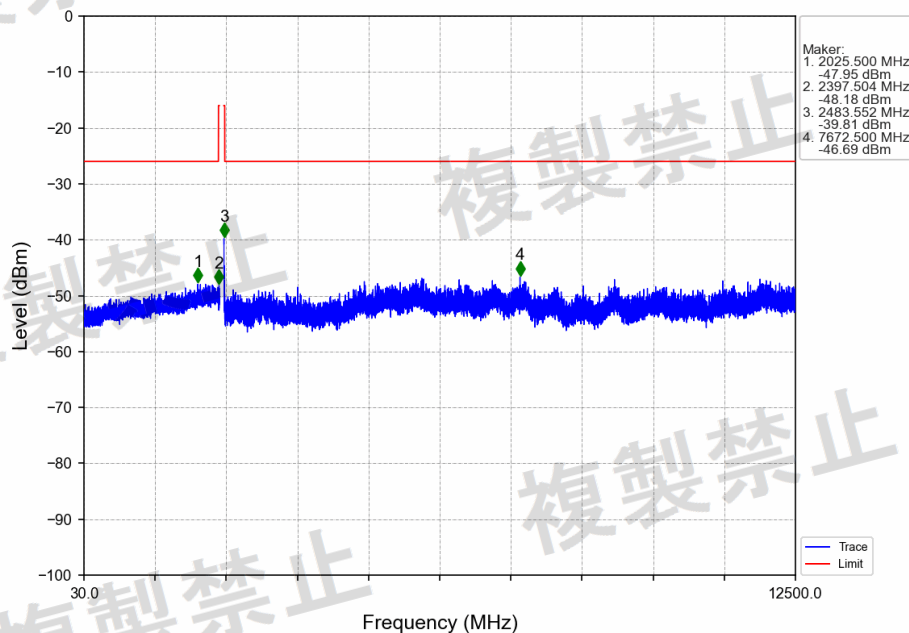
| NTNV           |         |             |     |             |            |             |                     |                    |                     |                    |                 |         |
|----------------|---------|-------------|-----|-------------|------------|-------------|---------------------|--------------------|---------------------|--------------------|-----------------|---------|
| Mode           | TX Type | Freq. (MHz) | ANT | Freq. Range |            | Marker      |                     |                    |                     |                    | Limit (uW /MHz) | Verdict |
|                |         |             |     | Start (MHz) | Stop (MHz) | Freq. (MHz) | PK Power (dBm /MHz) | PK Power (uW /MHz) | AV Power (dBm /MHz) | AV Power (uW /MHz) |                 |         |
| 802.11b        | SISO    | 2412        | 1   | 30          | 2387       | 2356        | -46.84              | 0.021              | /                   | /                  | 2.5             | Pass    |
|                |         |             |     | 2387        | 2400       | 2399.922    | -42.72              | 0.053              | /                   | /                  | 25              | Pass    |
|                |         |             |     | 2483.5      | 2496.5     | 2494.563    | -49.41              | 0.011              | /                   | /                  | 25              | Pass    |
|                |         |             |     | 2496.5      | 12500      | 6216        | -46.73              | 0.021              | /                   | /                  | 2.5             | Pass    |
|                |         | 2472        | 1   | 30          | 2387       | 2025.5      | -47.95              | 0.016              | /                   | /                  | 2.5             | Pass    |
|                |         |             |     | 2387        | 2400       | 2397.504    | -48.18              | 0.015              | /                   | /                  | 25              | Pass    |
|                |         |             |     | 2483.5      | 2496.5     | 2483.552    | -39.81              | 0.104              | /                   | /                  | 25              | Pass    |
|                |         |             |     | 2496.5      | 12500      | 7672.5      | -46.69              | 0.021              | /                   | /                  | 2.5             | Pass    |
| 802.11g        | SISO    | 2412        | 1   | 30          | 2387       | 2386.5      | -42.84              | 0.052              | /                   | /                  | 2.5             | Pass    |
|                |         |             |     | 2387        | 2400       | 2399.922    | -16.34              | 23.227             | -38.14              | 0.153              | 25              | Pass    |
|                |         |             |     | 2483.5      | 2496.5     | 2483.773    | -45.81              | 0.026              | /                   | /                  | 25              | Pass    |
|                |         |             |     | 2496.5      | 12500      | 12030       | -41.68              | 0.068              | /                   | /                  | 2.5             | Pass    |
|                |         | 2472        | 1   | 30          | 2387       | 2367        | -43.71              | 0.043              | /                   | /                  | 2.5             | Pass    |
|                |         |             |     | 2387        | 2400       | 2399.636    | -45.33              | 0.029              | /                   | /                  | 25              | Pass    |
|                |         |             |     | 2483.5      | 2496.5     | 2483.526    | -14.81              | 33.037             | -36.93              | 0.203              | 25              | Pass    |
|                |         |             |     | 2496.5      | 12500      | 11946       | -43.14              | 0.049              | /                   | /                  | 2.5             | Pass    |
| 802.11n (HT20) | SISO    | 2412        | 1   | 30          | 2387       | 2386        | -41.90              | 0.065              | /                   | /                  | 2.5             | Pass    |
|                |         |             |     | 2387        | 2400       | 2399.493    | -14.59              | 34.754             | -38.34              | 0.147              | 25              | Pass    |
|                |         |             |     | 2483.5      | 2496.5     | 2488.843    | -45.34              | 0.029              | /                   | /                  | 25              | Pass    |
|                |         |             |     | 2496.5      | 12500      | 7249        | -42.78              | 0.053              | /                   | /                  | 2.5             | Pass    |
|                |         | 2472        | 1   | 30          | 2387       | 2211        | -44.28              | 0.037              | /                   | /                  | 2.5             | Pass    |
|                |         |             |     | 2387        | 2400       | 2392.187    | -45.00              | 0.032              | /                   | /                  | 25              | Pass    |
|                |         |             |     | 2483.5      | 2496.5     | 2483.591    | -12.63              | 54.576             | -34.23              | 0.378              | 25              | Pass    |
|                |         |             |     | 2496.5      | 12500      | 11930.5     | -42.79              | 0.053              | /                   | /                  | 2.5             | Pass    |
| 802.11n (HT40) | SISO    | 2422        | 1   | 30          | 2387       | 2386.5      | -36.78              | 0.210              | /                   | /                  | 2.5             | Pass    |
|                |         |             |     | 2387        | 2400       | 2399.389    | -19.57              | 11.041             | /                   | /                  | 25              | Pass    |
|                |         |             |     | 2483.5      | 2496.5     | 2483.526    | -40.50              | 0.089              | /                   | /                  | 25              | Pass    |
|                |         |             |     | 2496.5      | 12500      | 5809        | -43.22              | 0.048              | /                   | /                  | 2.5             | Pass    |
|                |         | 2462        | 1   | 30          | 2387       | 2364.5      | -43.65              | 0.043              | /                   | /                  | 2.5             | Pass    |
|                |         |             |     | 2387        | 2400       | 2399.649    | -44.99              | 0.032              | /                   | /                  | 25              | Pass    |
|                |         |             |     | 2483.5      | 2496.5     | 2484.371    | -18.52              | 14.060             | -38.90              | 0.129              | 25              | Pass    |
|                |         |             |     | 2496.5      | 12500      | 5925        | -42.36              | 0.058              | /                   | /                  | 2.5             | Pass    |

## 4.2 Test Graph

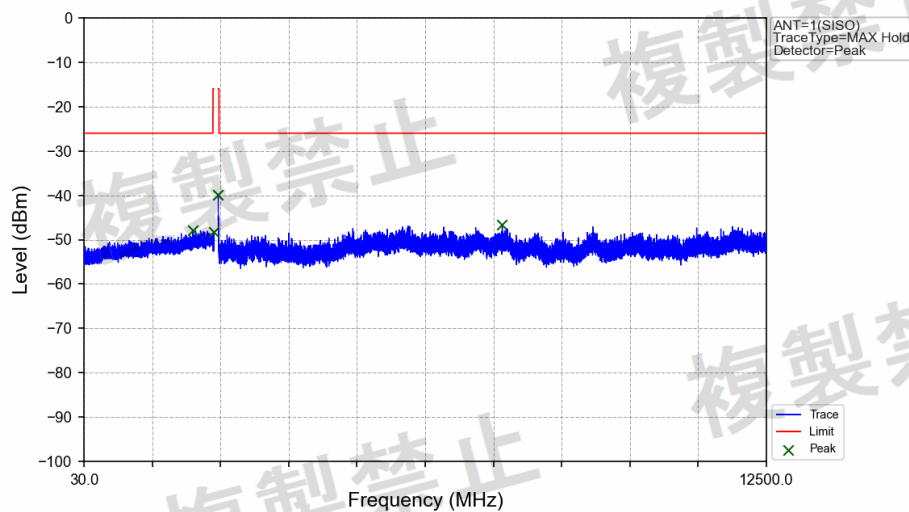
### 4.2.1 TxSe\_NTNV



802.11b 2472MHz\_Ant1 (SISO)\_NTNV

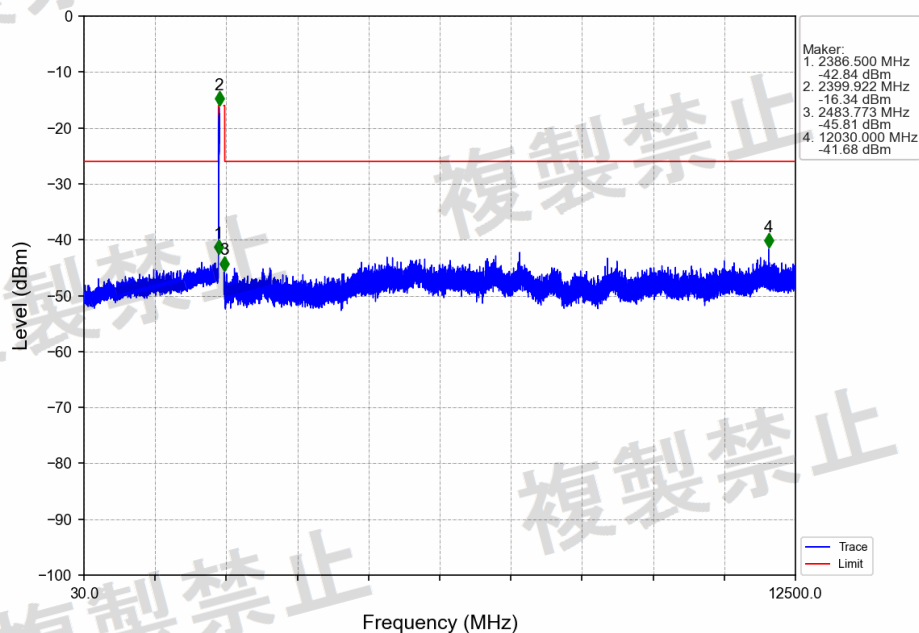


802.11b\_2472MHz\_Ant1 (SISO)\_NTNV

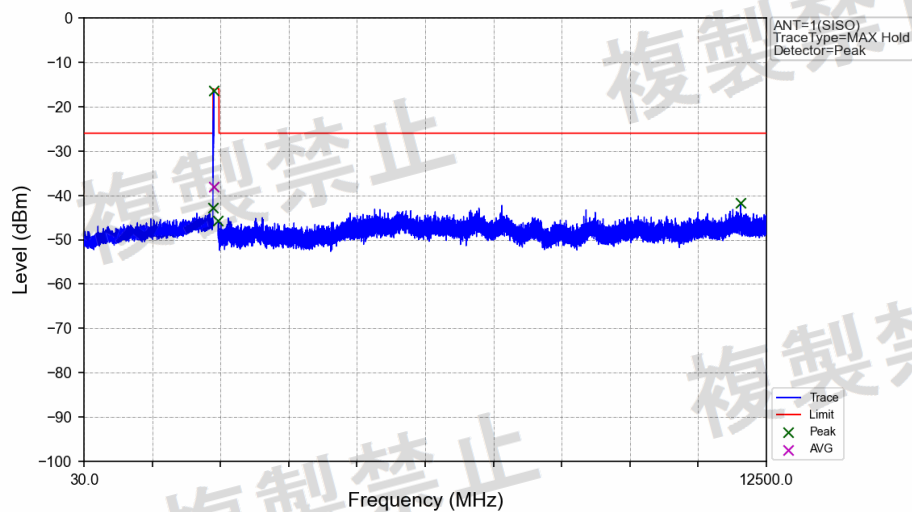


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 2025.500   | -47.95         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2397.504   | -48.18         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2483.552   | -39.81         | /              | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 7672.500   | -46.69         | /              | -26         | Pass   |

802.11g 2412MHz Ant1 (SISO) NTNV

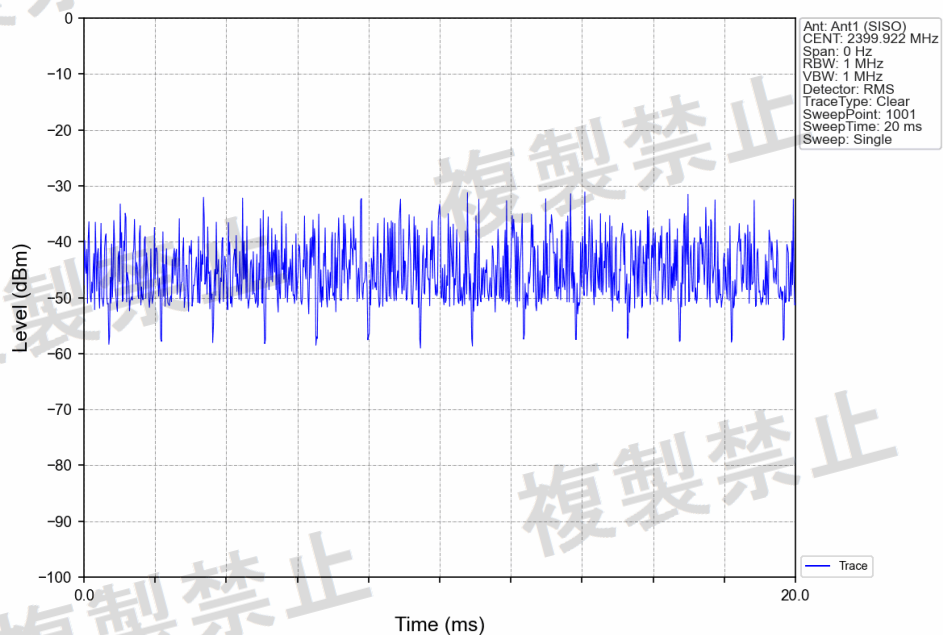


802.11g 2412MHz Ant1 (SISO) NTNV

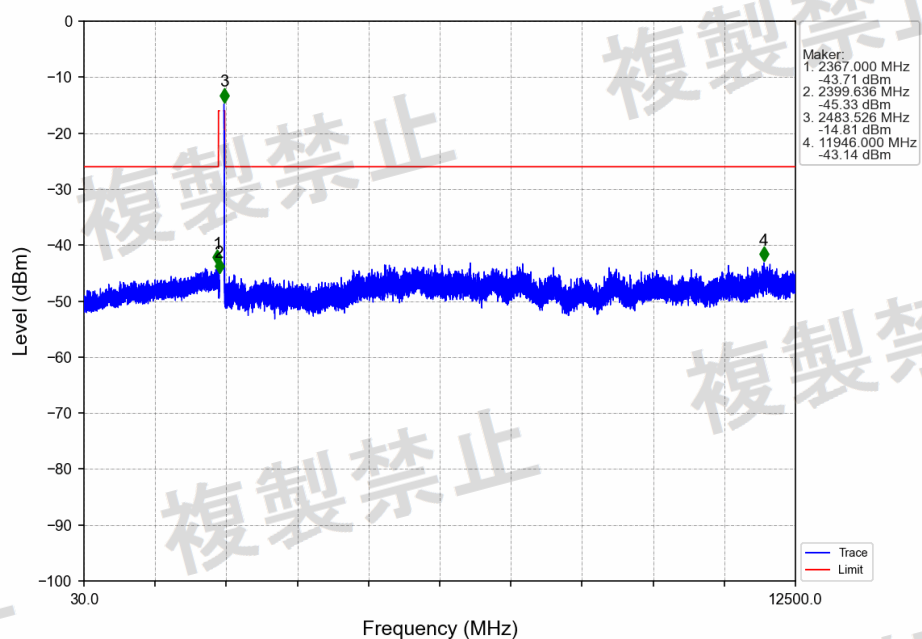


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 2386.500   | -42.84         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2399.922   | -16.34         | -38.14         | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2483.773   | -45.81         | /              | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 12030.000  | -41.68         | /              | -26         | Pass   |

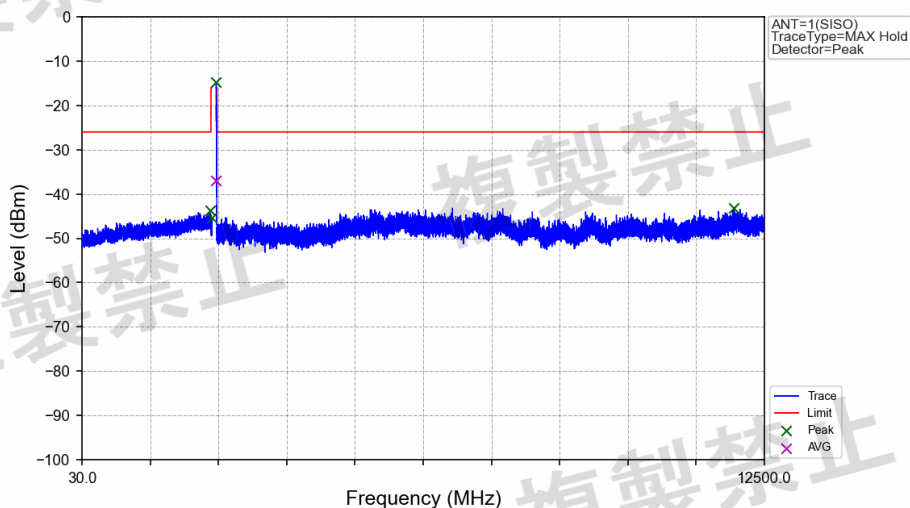
802.11g 2412MHz\_Ant1 (SISO)\_NTNV



802.11g 2472MHz\_Ant1 (SISO)\_NTNV

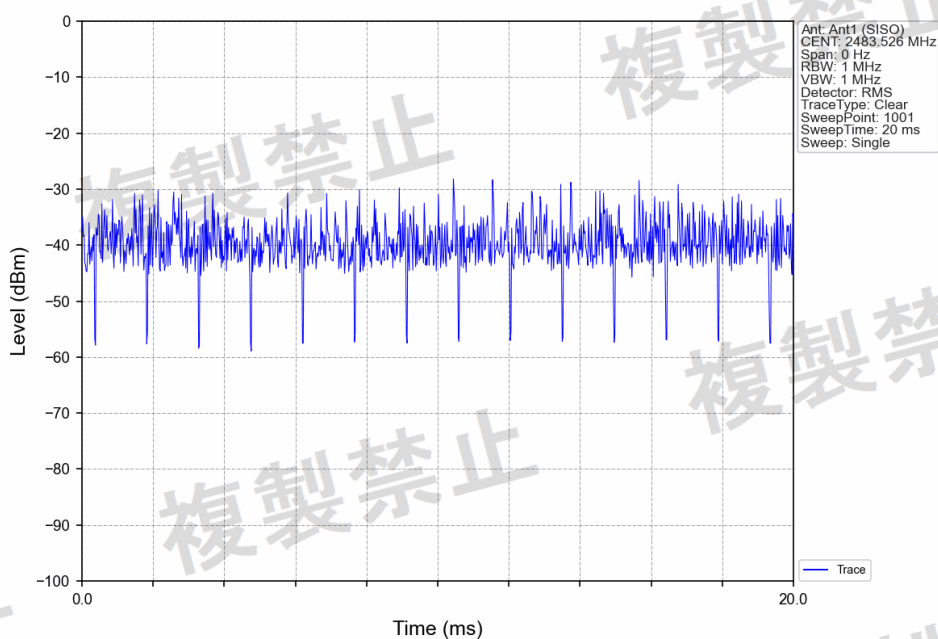


802.11g 2472MHz\_Ant1 (SISO)\_NTNV

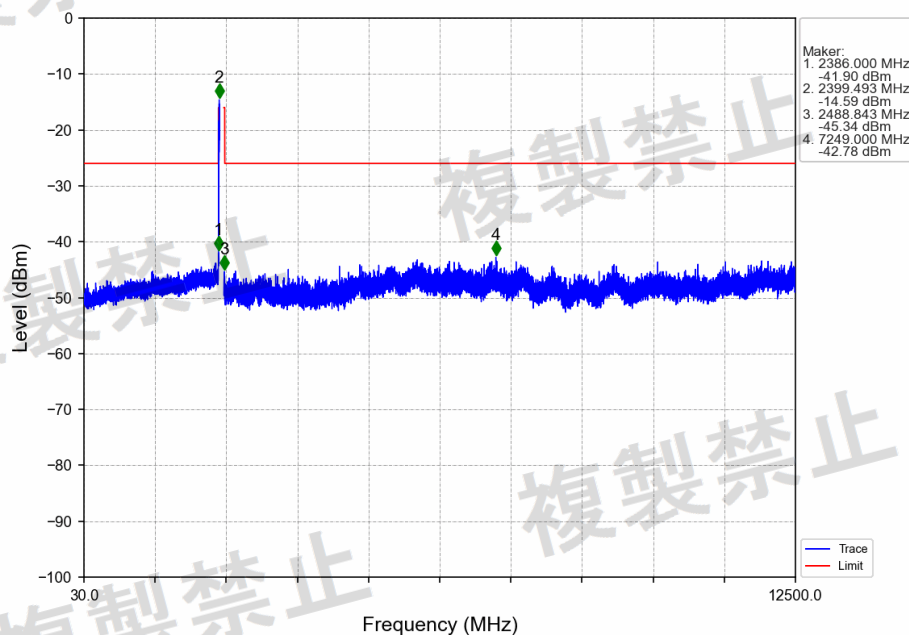


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 2367.000   | -43.71         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2399.636   | -45.33         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2483.526   | -14.81         | -36.93         | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 11946.000  | -43.14         | /              | -26         | Pass   |

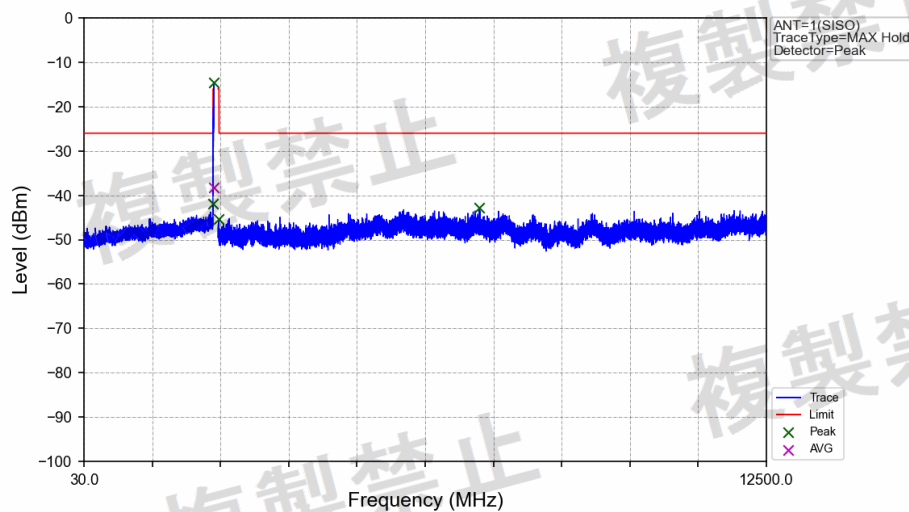
802.11g 2472MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20) 2412MHz Ant1 (SISO) NTVN

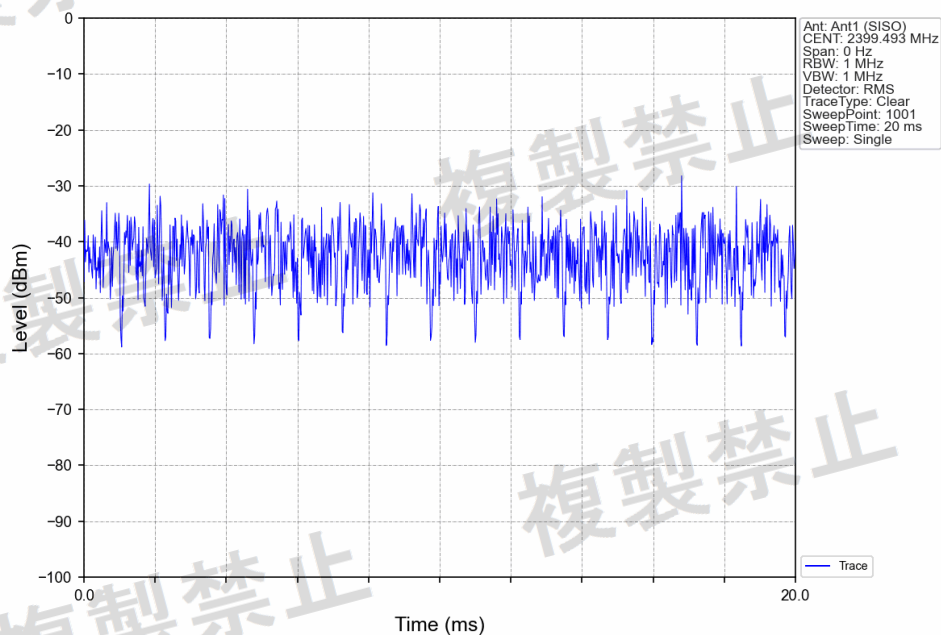


802.11n(HT20) 2412MHz Ant1 (SISO) NTVN

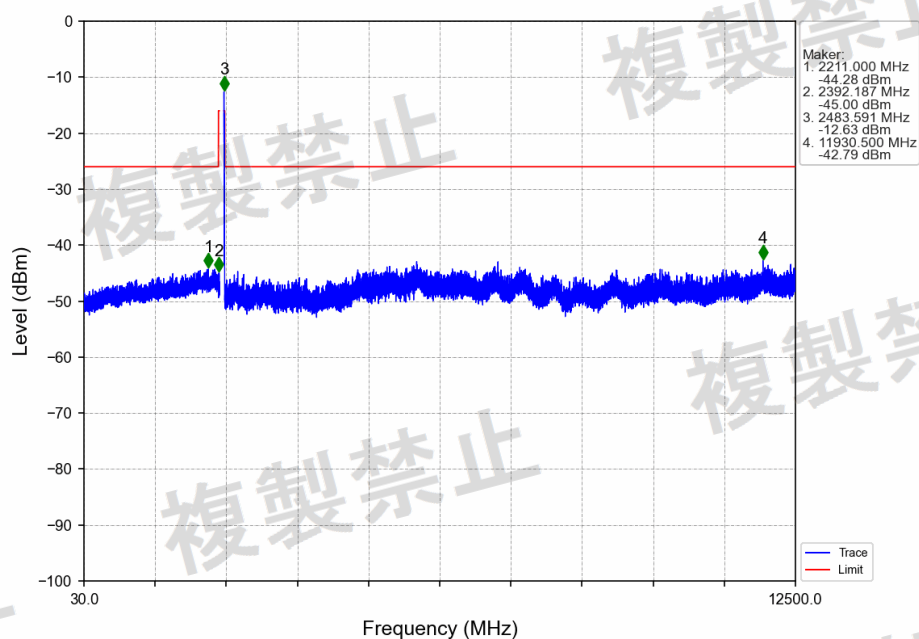


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 2386.000   | -41.90         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2399.493   | -14.59         | -38.34         | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2488.843   | -45.34         | /              | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 7249.000   | -42.78         | /              | -26         | Pass   |

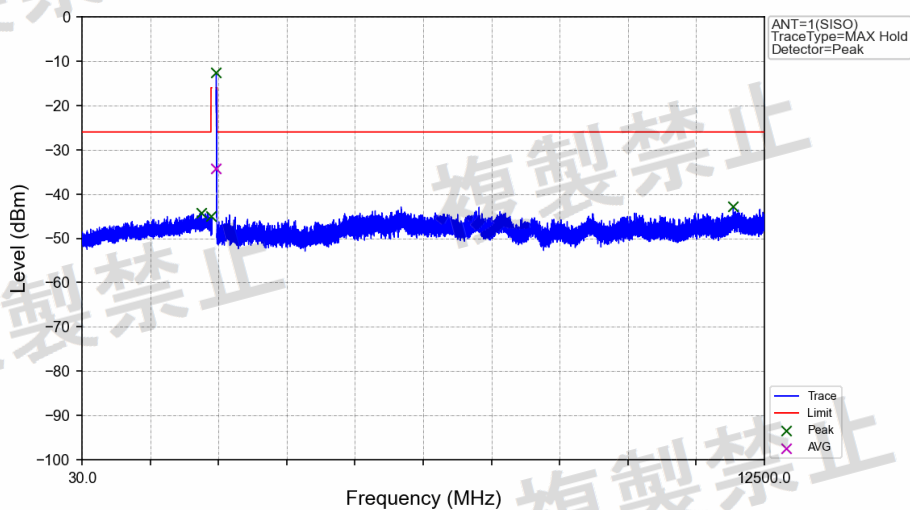
802.11n(HT20) 2412MHz Ant1 (SISO) NTVN



802.11n(HT20) 2472MHz Ant1 (SISO) NTVN

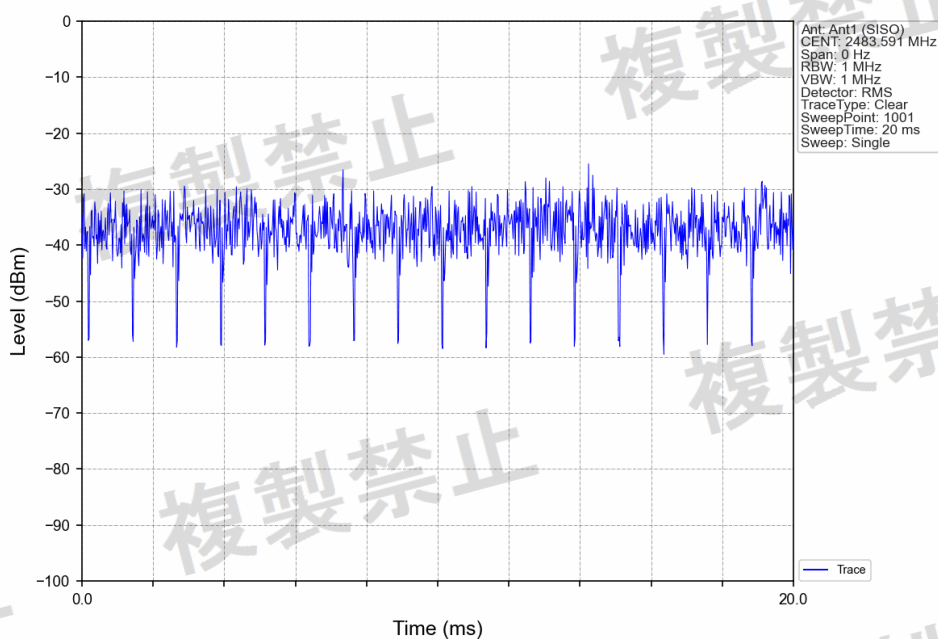


802.11n(HT20) 2472MHz Ant1 (SISO) NTVN

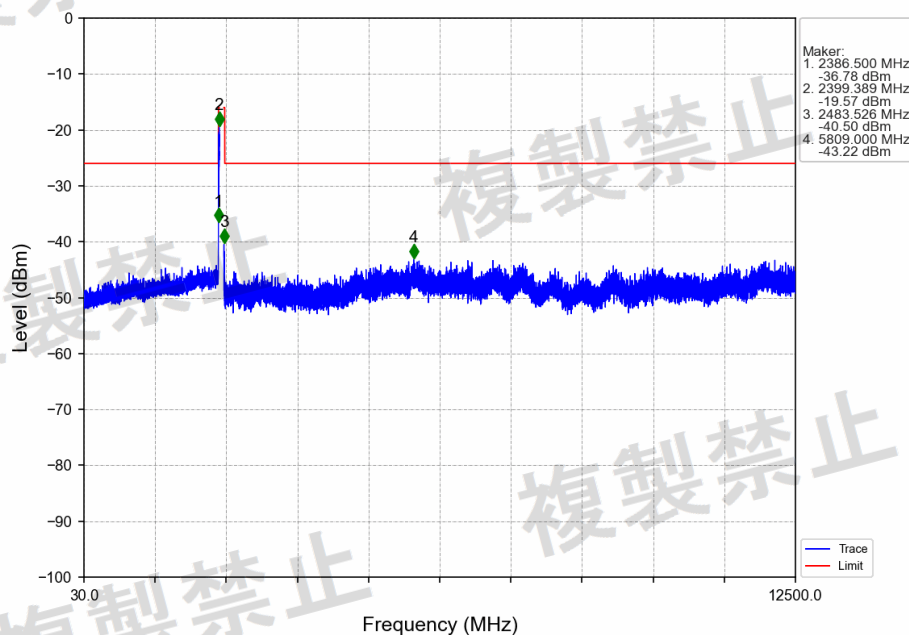


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 2211.000   | -44.28         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2392.187   | -45.00         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2483.591   | -12.63         | -34.23         | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 11930.500  | -42.79         | /              | -26         | Pass   |

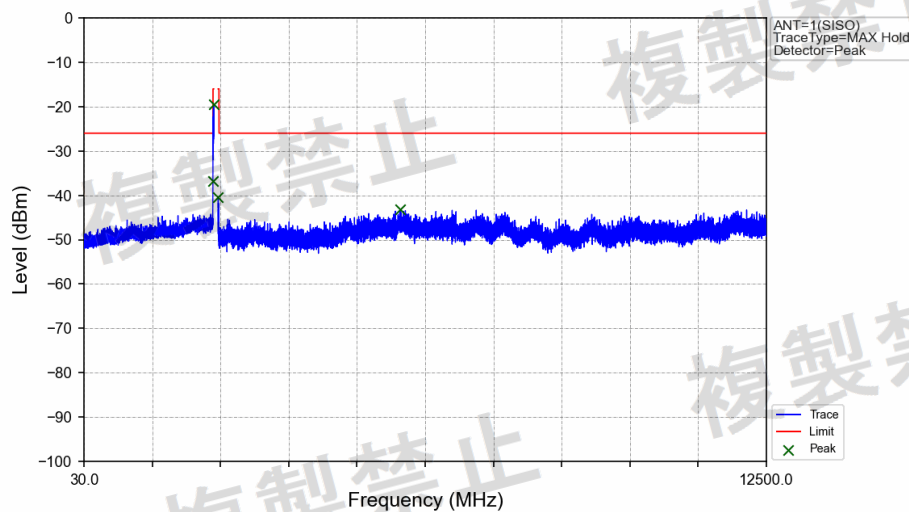
802.11n(HT20) 2472MHz Ant1 (SISO) NTVN



802.11n(HT40) 2422MHz Ant1 (SISO) NTVN

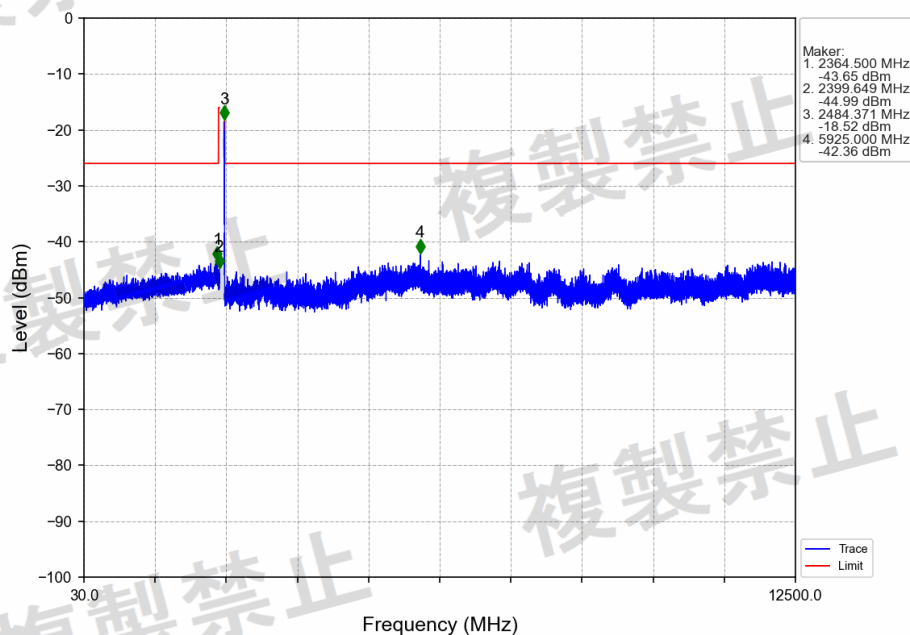


802.11n(HT40) 2422MHz Ant1 (SISO) NTVN

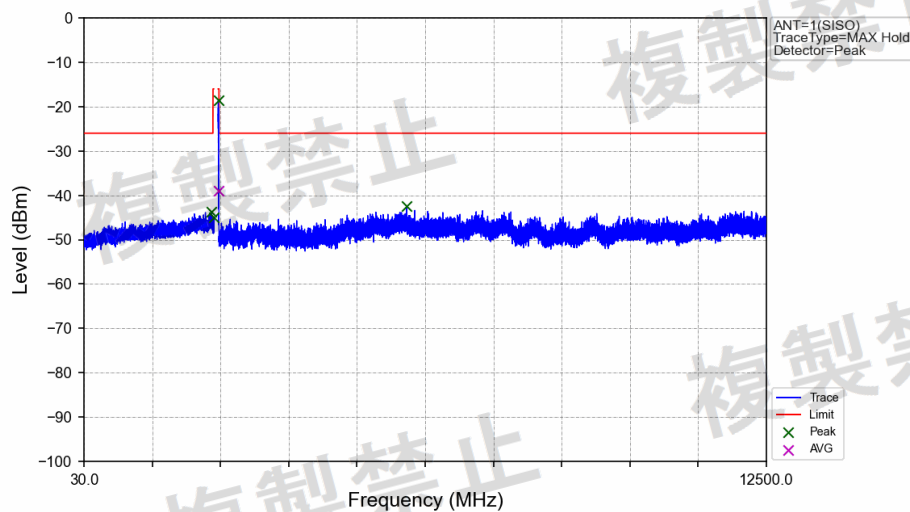


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 2386.500   | -36.78         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2399.389   | -19.57         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2483.526   | -40.50         | /              | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 5809.000   | -43.22         | /              | -26         | Pass   |

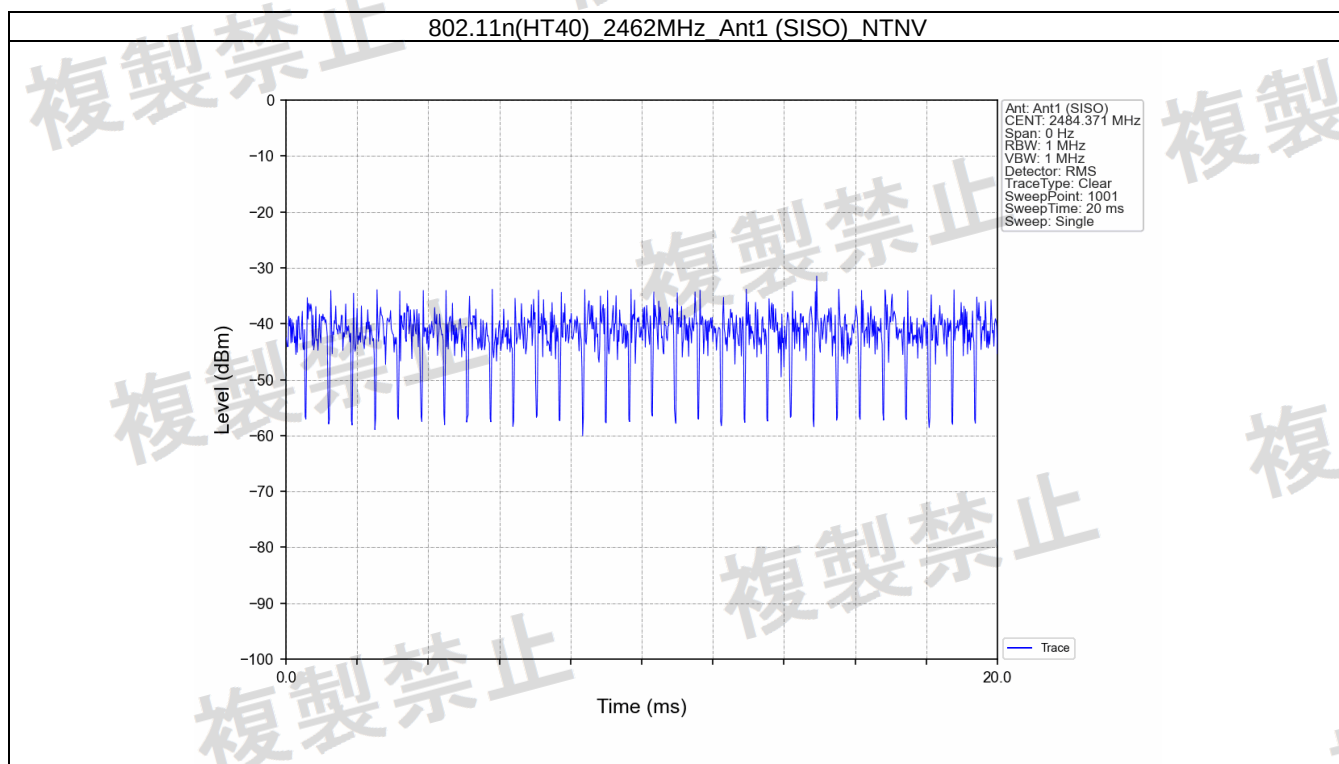
802.11n(HT40) 2462MHz Ant1 (SISO) NTVN



802.11n(HT40) 2462MHz Ant1 (SISO) NTVN



| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 2387       | 1         | 1         | 2364.500   | -43.65         | /              | -26         | Pass   |
| 2387        | 2400       | 1         | 1         | 2399.649   | -44.99         | /              | -16         | Pass   |
| 2483.5      | 2496.5     | 1         | 1         | 2484.371   | -18.52         | -38.90         | -16         | Pass   |
| 2496.5      | 12500      | 1         | 1         | 5925.000   | -42.36         | /              | -26         | Pass   |



## 5. Secondary Radiated Emission

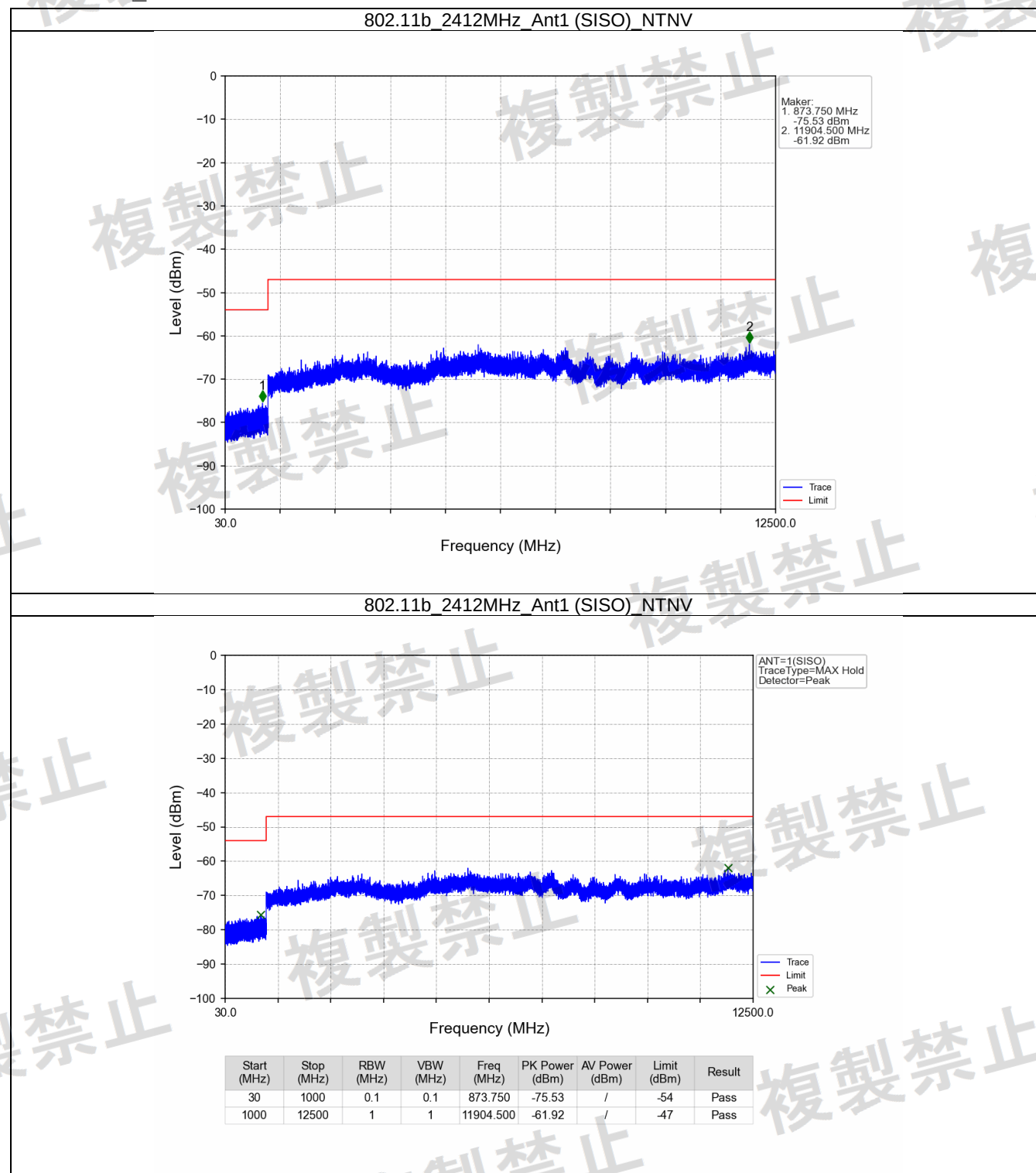
### 5.1 Test Result

#### 5.1.1 RxSe\_NTNV

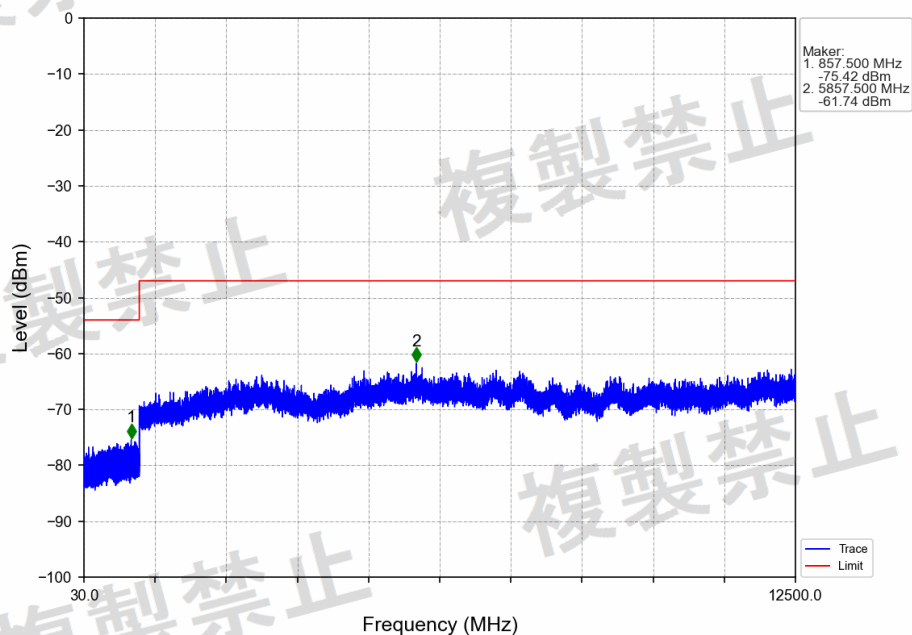
| NTNV           |         |             |     |             |            |             |                |               |                |               |            |         |
|----------------|---------|-------------|-----|-------------|------------|-------------|----------------|---------------|----------------|---------------|------------|---------|
| Mode           | TX Type | Freq. (MHz) | ANT | Freq. Range |            | Marker      |                |               |                |               | Limit (nW) | Verdict |
|                |         |             |     | Start (MHz) | Stop (MHz) | Freq. (MHz) | PK Power (dBm) | PK Power (nW) | AV Power (dBm) | AV Power (nW) |            |         |
| 802.11b        | SISO    | 2412        | 1   | 30          | 1000       | 873.75      | -75.53         | 0.028         | /              | /             | 4          | Pass    |
|                |         |             |     | 1000        | 12500      | 11904.5     | -61.92         | 0.643         | /              | /             | 20         | Pass    |
|                |         | 2472        | 1   | 30          | 1000       | 857.5       | -75.42         | 0.029         | /              | /             | 4          | Pass    |
|                |         |             |     | 1000        | 12500      | 5857.5      | -61.74         | 0.670         | /              | /             | 20         | Pass    |
| 802.11g        | SISO    | 2412        | 1   | 30          | 1000       | 833.7       | -75.44         | 0.029         | /              | /             | 4          | Pass    |
|                |         |             |     | 1000        | 12500      | 11984.5     | -62.53         | 0.558         | /              | /             | 20         | Pass    |
|                |         | 2472        | 1   | 30          | 1000       | 926         | -74.96         | 0.032         | /              | /             | 4          | Pass    |
|                |         |             |     | 1000        | 12500      | 11837       | -62.27         | 0.593         | /              | /             | 20         | Pass    |
| 802.11n (HT20) | SISO    | 2412        | 1   | 30          | 1000       | 750.95      | -74.08         | 0.039         | /              | /             | 4          | Pass    |
|                |         |             |     | 1000        | 12500      | 7282.5      | -62.91         | 0.512         | /              | /             | 20         | Pass    |
|                |         | 2472        | 1   | 30          | 1000       | 828.8       | -75.92         | 0.026         | /              | /             | 4          | Pass    |
|                |         |             |     | 1000        | 12500      | 11962.5     | -62.47         | 0.566         | /              | /             | 20         | Pass    |
| 802.11n (HT40) | SISO    | 2422        | 1   | 30          | 1000       | 933         | -75.32         | 0.029         | /              | /             | 4          | Pass    |
|                |         |             |     | 1000        | 12500      | 6680.5      | -62.60         | 0.550         | /              | /             | 20         | Pass    |
|                |         | 2462        | 1   | 30          | 1000       | 747.1       | -74.70         | 0.034         | /              | /             | 4          | Pass    |
|                |         |             |     | 1000        | 12500      | 5822.5      | -62.60         | 0.550         | /              | /             | 20         | Pass    |

## 5.2 Test Graph

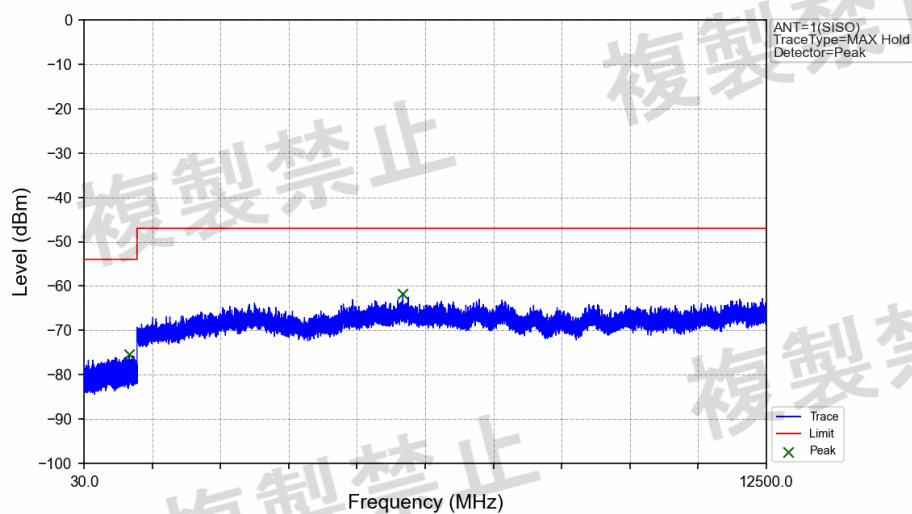
### 5.2.1 RxSe\_NTNV



802.11b 2472MHz\_Ant1 (SISO)\_NTNV

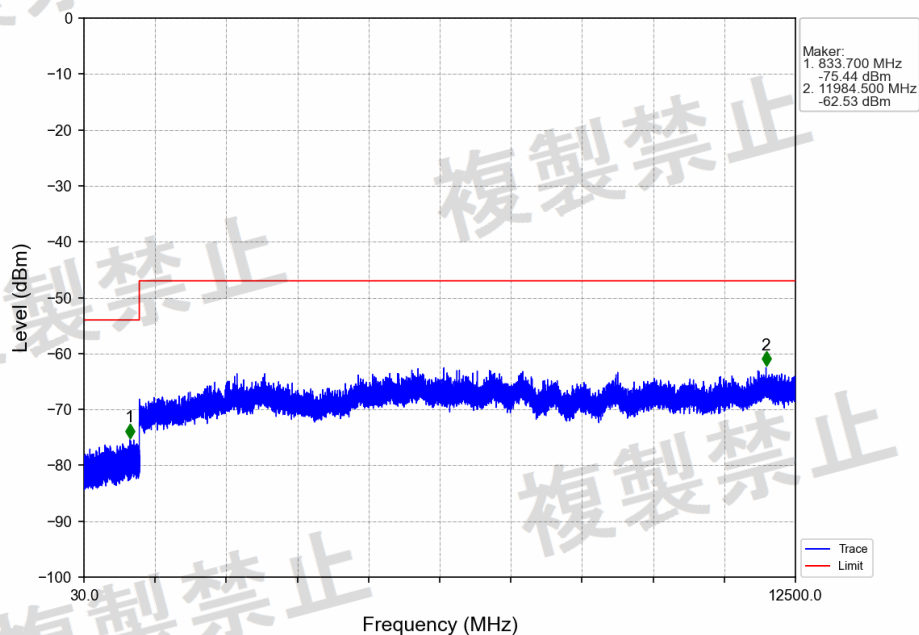


802.11b 2472MHz\_Ant1 (SISO)\_NTNV

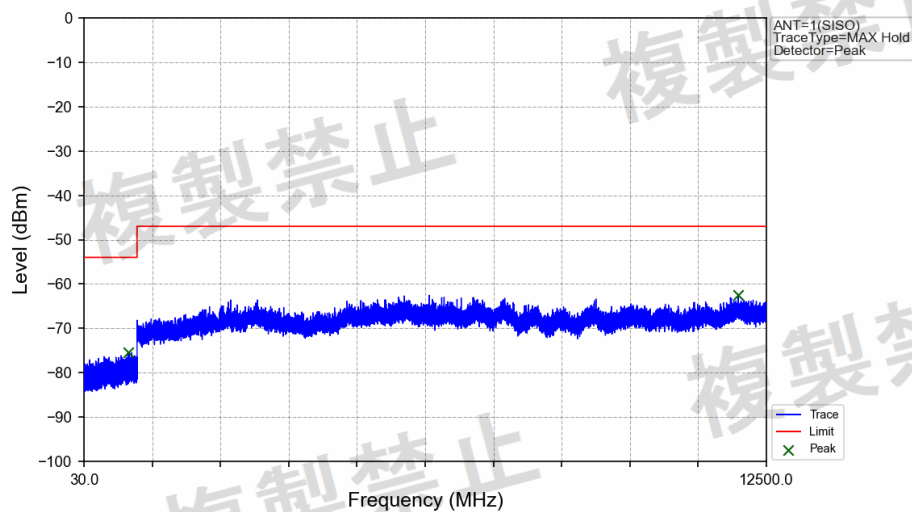


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 857.500    | -75.42         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 5857.500   | -61.74         | /              | -47         | Pass   |

802.11g 2412MHz Ant1 (SISO) NTN

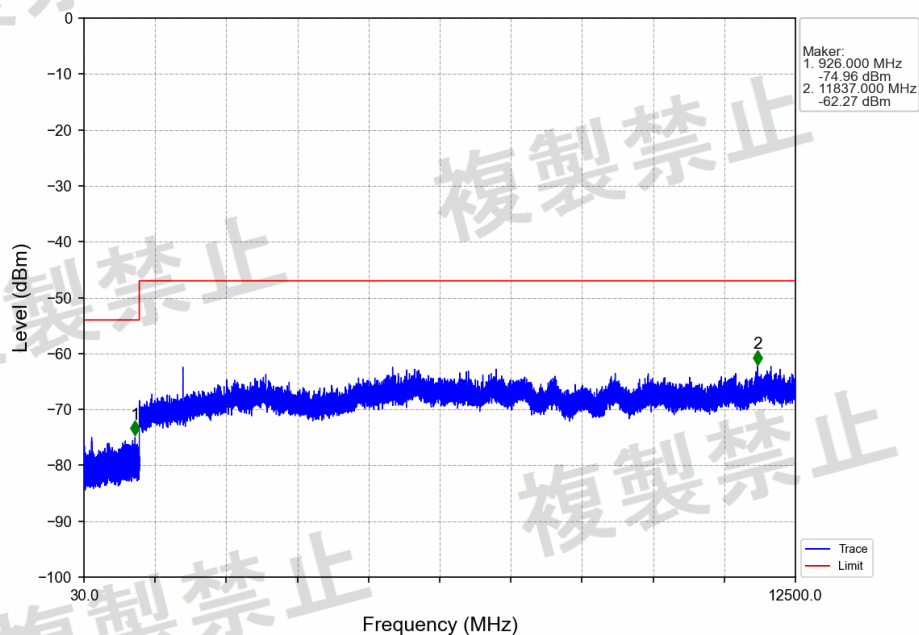


802.11g 2412MHz Ant1 (SISO) NTN

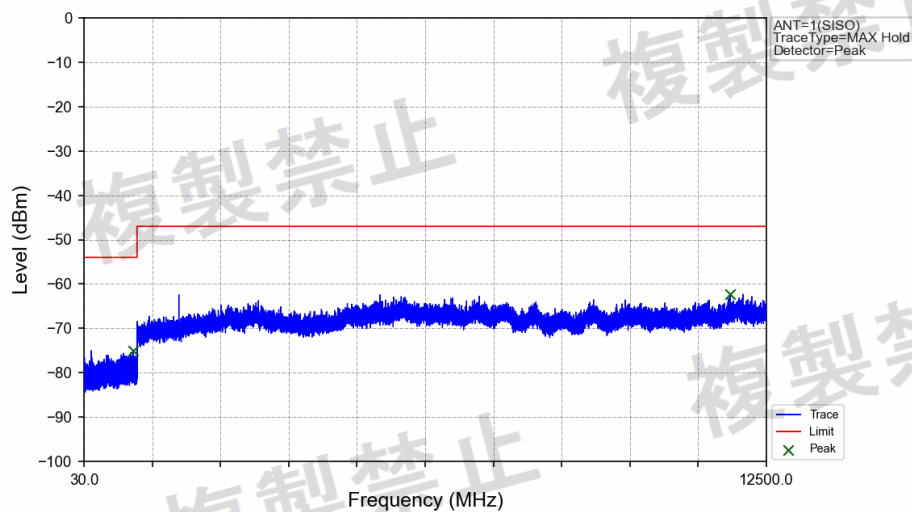


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 833.700    | -75.44         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 11984.500  | -62.53         | /              | -47         | Pass   |

802.11g\_2472MHz\_Ant1 (SISO) NTN

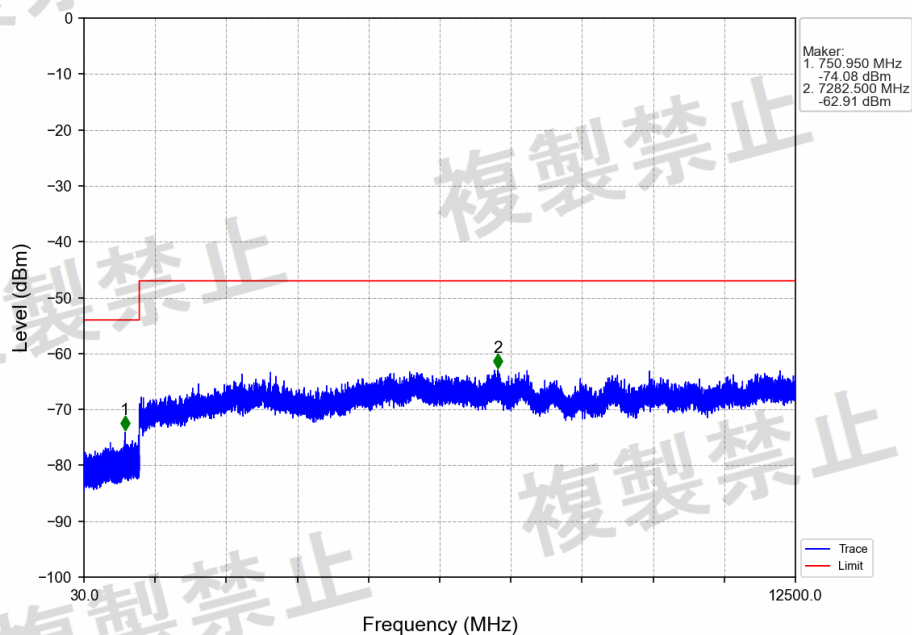


802.11g\_2472MHz\_Ant1 (SISO) NTN

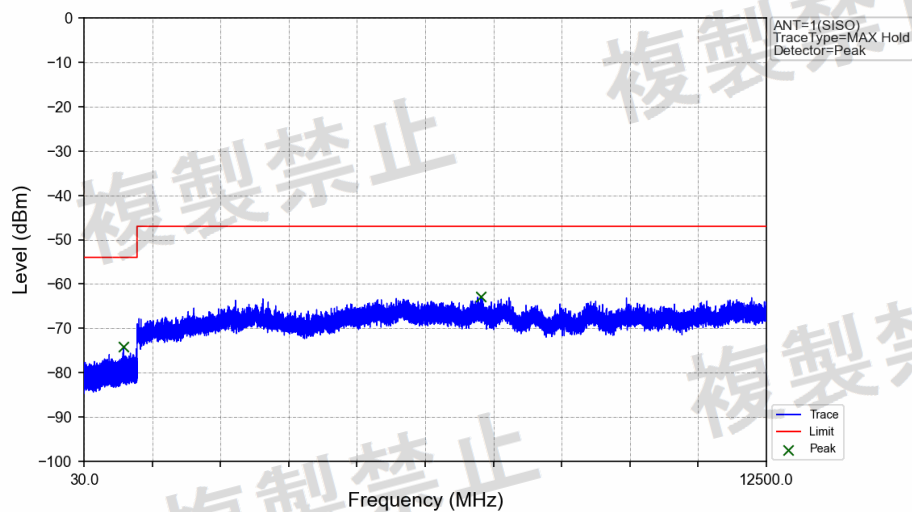


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 926.000    | -74.96         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 11837.000  | -62.27         | /              | -47         | Pass   |

802.11n(HT20) 2412MHz Ant1 (SISO) NTVN

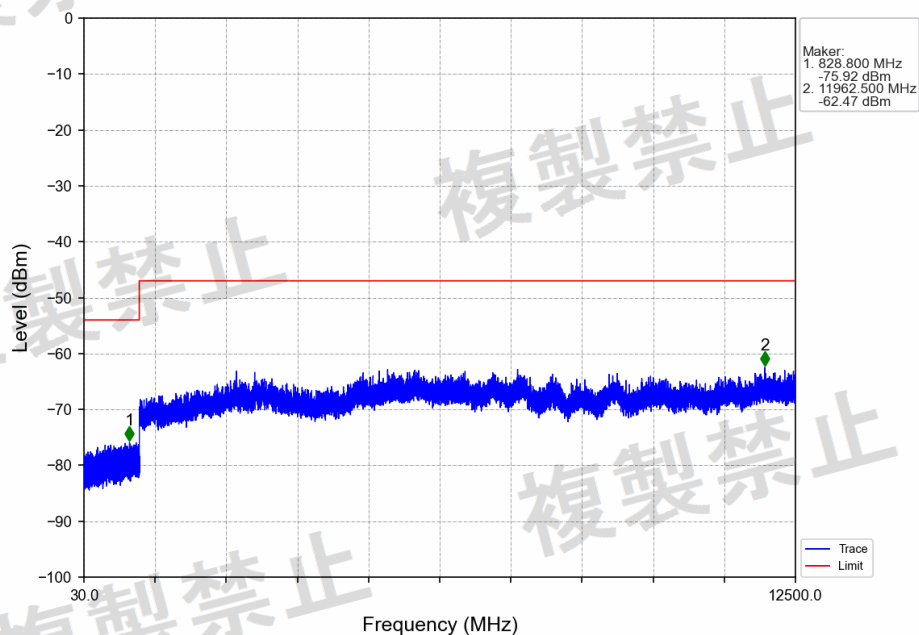


802.11n(HT20) 2412MHz Ant1 (SISO) NTVN

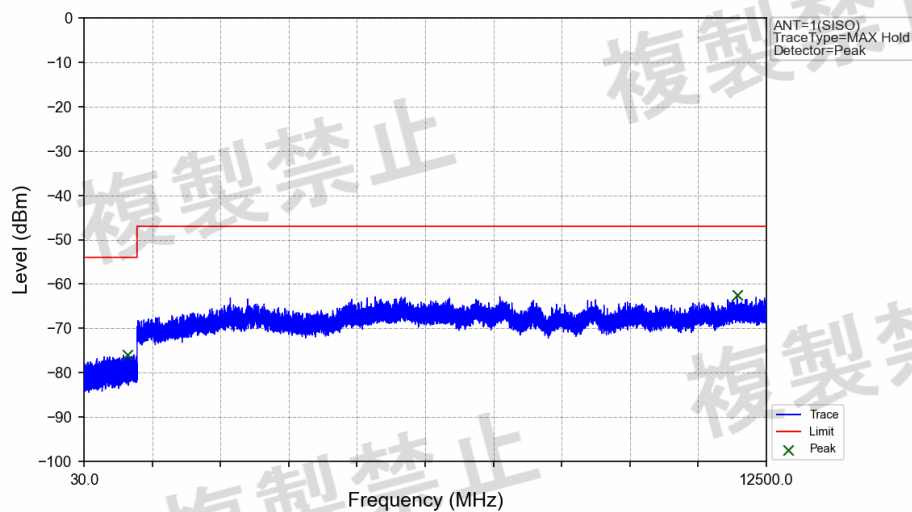


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 750.950    | -74.08         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 7282.500   | -62.91         | /              | -47         | Pass   |

802.11n(HT20) 2472MHz Ant1 (SISO) NTVN

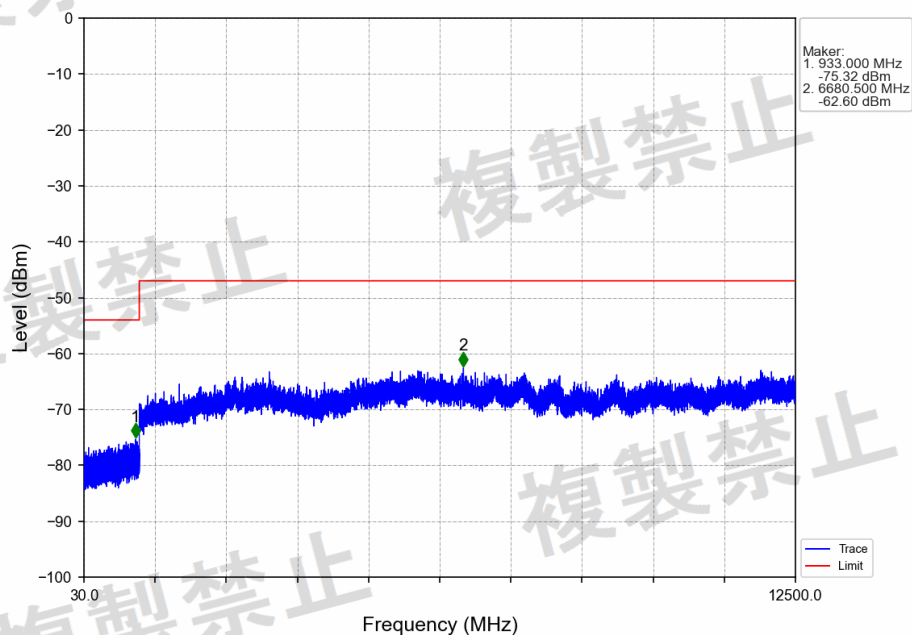


802.11n(HT20) 2472MHz Ant1 (SISO) NTVN

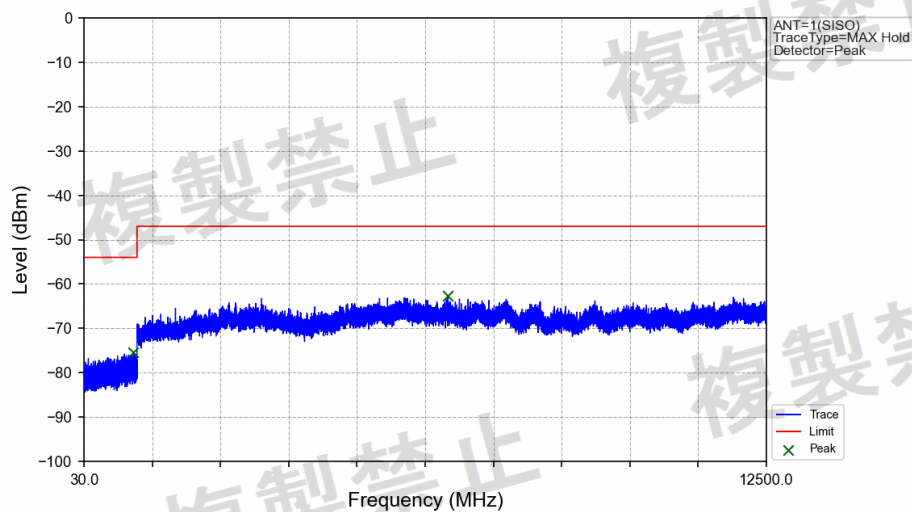


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 828.800    | -75.92         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 11962.500  | -62.47         | /              | -47         | Pass   |

802.11n(HT40) 2422MHz Ant1 (SISO) NTVN

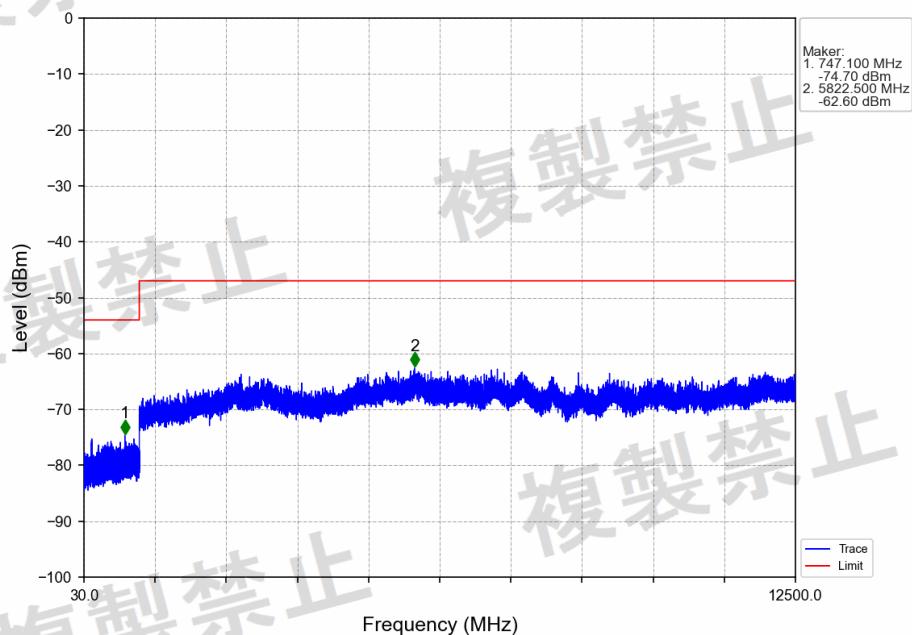


802.11n(HT40) 2422MHz Ant1 (SISO) NTVN

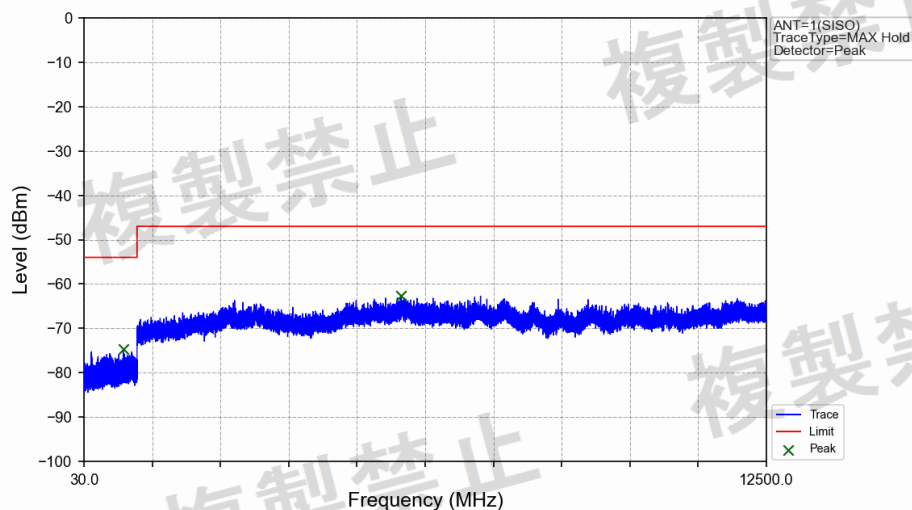


| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 933.000    | -75.32         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 6680.500   | -62.60         | /              | -47         | Pass   |

802.11n(HT40) 2462MHz Ant1 (SISO) NTVN



802.11n(HT40) 2462MHz Ant1 (SISO) NTVN



| Start (MHz) | Stop (MHz) | RBW (MHz) | VBW (MHz) | Freq (MHz) | PK Power (dBm) | AV Power (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------|------------|----------------|----------------|-------------|--------|
| 30          | 1000       | 0.1       | 0.1       | 747.100    | -74.70         | /              | -54         | Pass   |
| 1000        | 12500      | 1         | 1         | 5822.500   | -62.60         | /              | -47         | Pass   |

\*\*\*\*\* End of Report \*\*\*\*\*