

## Appendix: 2.4G Wi-Fi

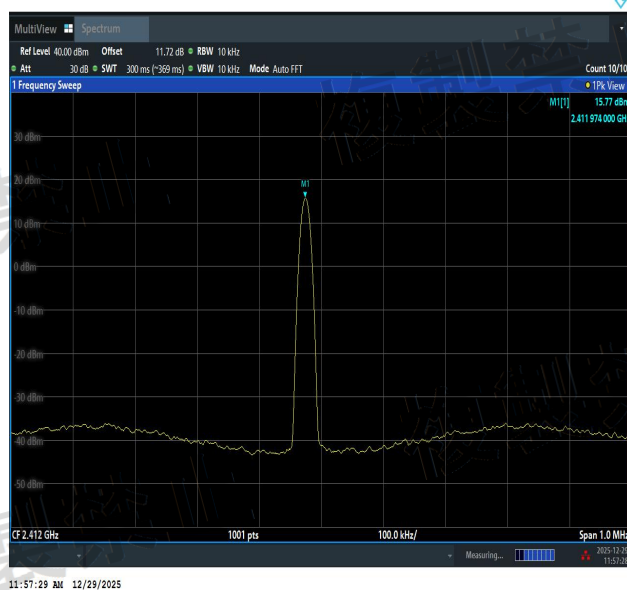
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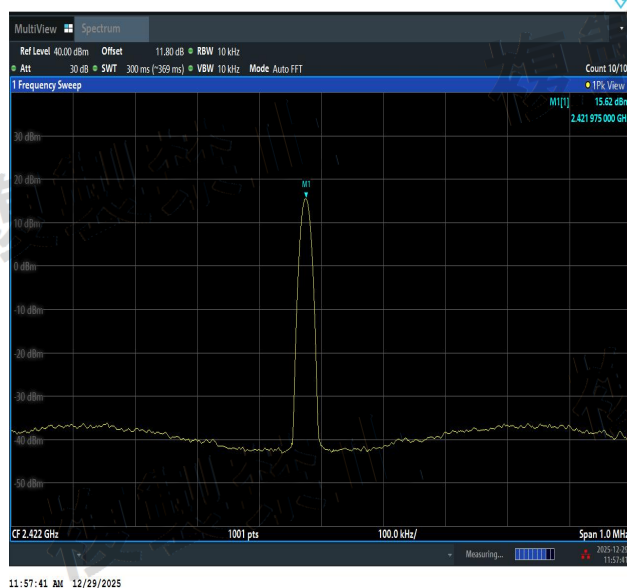
**Appendix A: Frequency Error****Test Result**

| TestCondition | TestMode | Antenna | Frequency[MHz] | CenterFreq[MHz] | Result[ppm] | Limit[ppm] | Verdict |
|---------------|----------|---------|----------------|-----------------|-------------|------------|---------|
| NTNV          | CW       | Ant1    | 2412           | 2411.974        | -10.77944   | ±50        | PASS    |
| NTNV          | CW       | Ant1    | 2422           | 2421.975        | -10.32205   | ±50        | PASS    |
| NTNV          | CW       | Ant1    | 2442           | 2441.975        | -10.23751   | ±50        | PASS    |
| NTNV          | CW       | Ant1    | 2462           | 2461.975        | -10.15435   | ±50        | PASS    |
| NTNV          | CW       | Ant1    | 2472           | 2471.975        | -10.11327   | ±50        | PASS    |

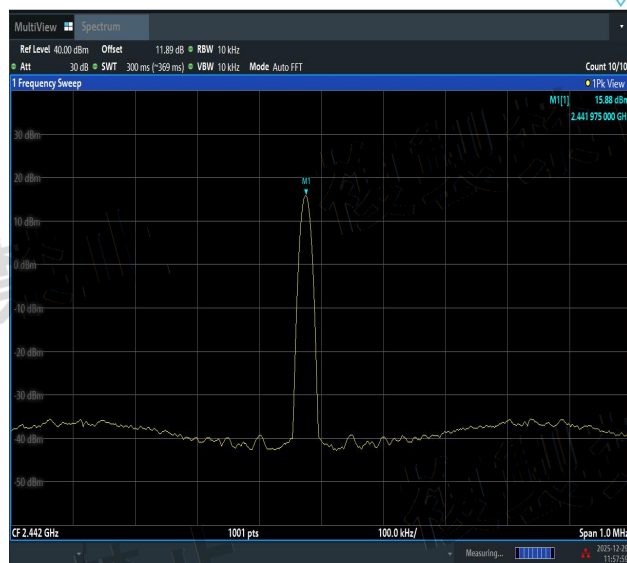
## Test Graphs



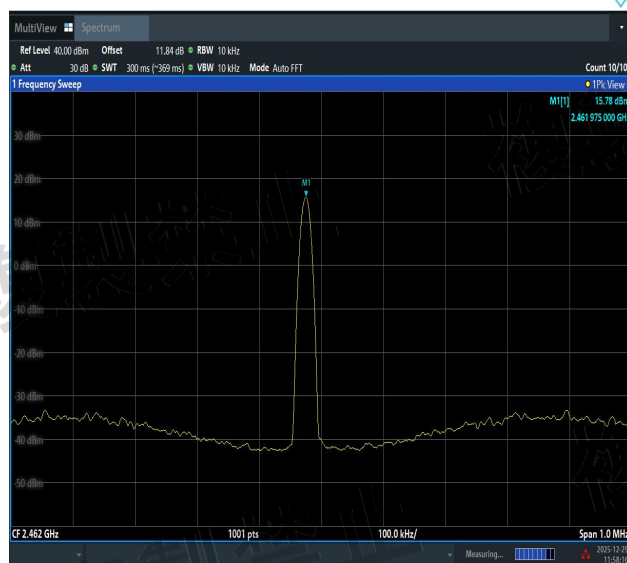
NTNV-CW-Ant1-2412-PASS



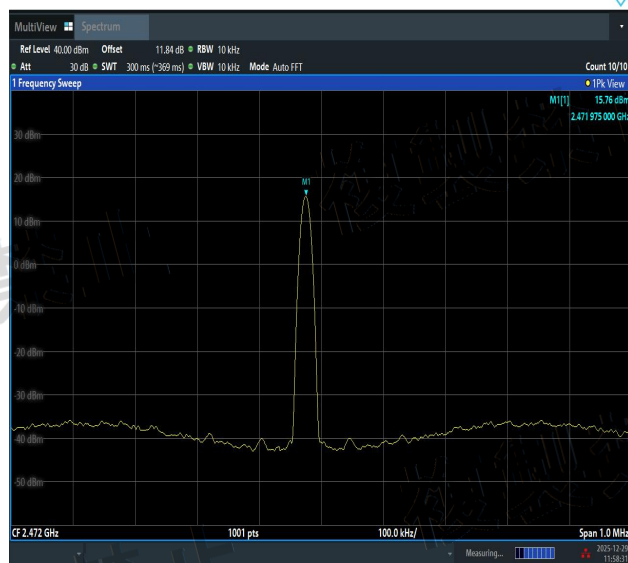
NTNV-CW-Ant1-2422-PASS



NTNV-CW-Ant1-2442-PASS



NTNV-CW-Ant1-2462-PASS



NTNV-CW-Ant1-2472-PASS

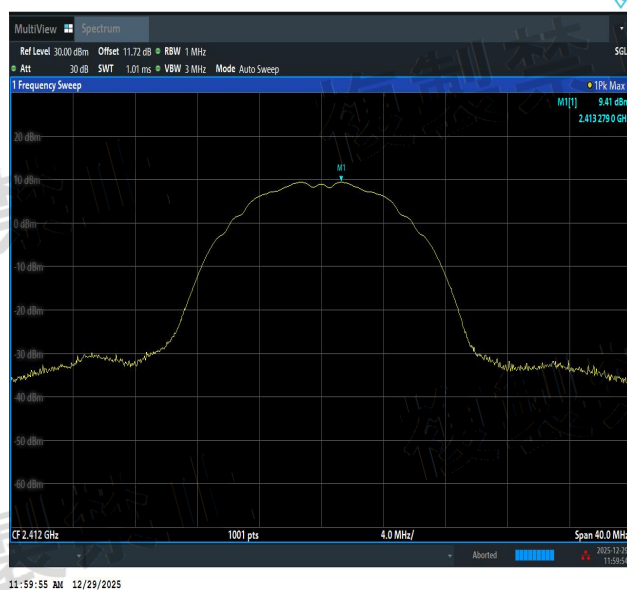
**Appendix B: Antenna Power****Test Result PSD**

| Test Mode  | Antenna | Frequency [MHz] | Raw (dBm/MHz) | DC Factor [dBm] | Result [dBm/MHz] | Result(mW/MHz) | Limit(mW/MHz) | Verdict |
|------------|---------|-----------------|---------------|-----------------|------------------|----------------|---------------|---------|
| 11B        | Ant1    | 2412            | 5.71          | 0.50            | 6.21             | 4.1783         | ≤10           | PASS    |
| 11B        | Ant1    | 2442            | 5.69          | 0.50            | 6.19             | 4.1591         | ≤10           | PASS    |
| 11B        | Ant1    | 2472            | 5.15          | 0.56            | 5.71             | 3.7239         | ≤10           | PASS    |
| 11G        | Ant1    | 2412            | -2.09         | 0.73            | -1.36            | 0.7311         | ≤10           | PASS    |
| 11G        | Ant1    | 2442            | -2.11         | 0.42            | -1.69            | 0.6776         | ≤10           | PASS    |
| 11G        | Ant1    | 2472            | -2.41         | 0.49            | -1.92            | 0.6427         | ≤10           | PASS    |
| 11N20SISO  | Ant1    | 2412            | -3.50         | 0.57            | -2.93            | 0.5093         | ≤10           | PASS    |
| 11N20SISO  | Ant1    | 2442            | -3.47         | 0.42            | -3.05            | 0.4955         | ≤10           | PASS    |
| 11N20SISO  | Ant1    | 2472            | -3.64         | 0.42            | -3.22            | 0.4764         | ≤10           | PASS    |
| 11N40SISO  | Ant1    | 2422            | -7.15         | 0.94            | -6.21            | 0.2393         | ≤5            | PASS    |
| 11N40SISO  | Ant1    | 2442            | -7.10         | 0.82            | -6.28            | 0.2355         | ≤5            | PASS    |
| 11N40SISO  | Ant1    | 2462            | -7.38         | 0.94            | -6.44            | 0.2270         | ≤5            | PASS    |
| 11AX20SISO | Ant1    | 2412            | -3.93         | 0.54            | -3.39            | 0.4581         | ≤10           | PASS    |
| 11AX20SISO | Ant1    | 2442            | -3.91         | 0.41            | -3.50            | 0.4467         | ≤10           | PASS    |
| 11AX20SISO | Ant1    | 2472            | -4.13         | 0.40            | -3.73            | 0.4236         | ≤10           | PASS    |

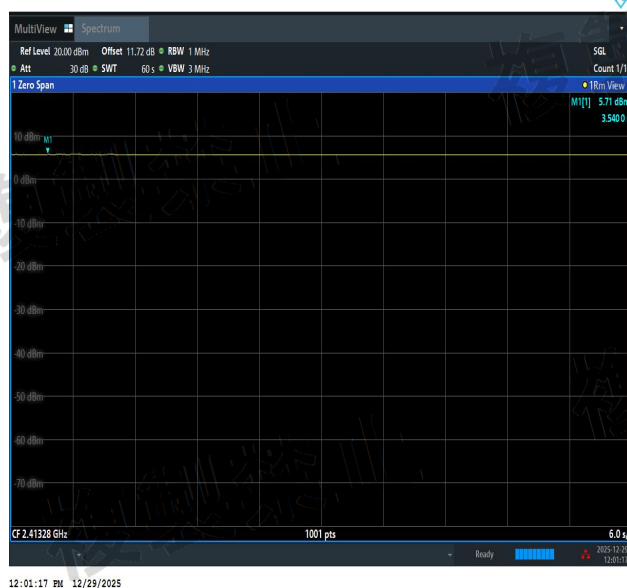
| Test Condition | Test Mode  | Antenna | Frequency [MHz] | Power (mW/MHz) | Rated Power (mW/MHz) | Result (%) | Limit (%) | Verdict |
|----------------|------------|---------|-----------------|----------------|----------------------|------------|-----------|---------|
| NTNV           | 11B        | Ant1    | 2412            | 4.1783         | 5                    | -16.43     | 20        | PASS    |
| NTNV           | 11B        | Ant1    | 2442            | 4.1591         | 5                    | -16.82     | 20        | PASS    |
| NTNV           | 11B        | Ant1    | 2472            | 3.7239         | 5                    | -25.52     | 20        | PASS    |
| NTNV           | 11G        | Ant1    | 2412            | 0.7311         | 0.8                  | -8.61      | 20        | PASS    |
| NTNV           | 11G        | Ant1    | 2442            | 0.6776         | 0.8                  | -15.30     | 20        | PASS    |
| NTNV           | 11G        | Ant1    | 2472            | 0.6427         | 0.8                  | -19.66     | 20        | PASS    |
| NTNV           | 11N20SISO  | Ant1    | 2412            | 0.5093         | 0.5                  | 1.86       | 20        | PASS    |
| NTNV           | 11N20SISO  | Ant1    | 2442            | 0.4955         | 0.5                  | -0.90      | 20        | PASS    |
| NTNV           | 11N20SISO  | Ant1    | 2472            | 0.4764         | 0.5                  | -4.72      | 20        | PASS    |
| NTNV           | 11N40SISO  | Ant1    | 2422            | 0.2393         | 0.3                  | -20.23     | 20        | PASS    |
| NTNV           | 11N40SISO  | Ant1    | 2442            | 0.2355         | 0.3                  | -21.50     | 20        | PASS    |
| NTNV           | 11N40SISO  | Ant1    | 2462            | 0.2270         | 0.3                  | -24.33     | 20        | PASS    |
| NTNV           | 11AX20SISO | Ant1    | 2412            | 0.4581         | 0.5                  | -8.38      | 20        | PASS    |
| NTNV           | 11AX20SISO | Ant1    | 2442            | 0.4467         | 0.5                  | -10.66     | 20        | PASS    |
| NTNV           | 11AX20SISO | Ant1    | 2472            | 0.4236         | 0.5                  | -15.28     | 20        | PASS    |

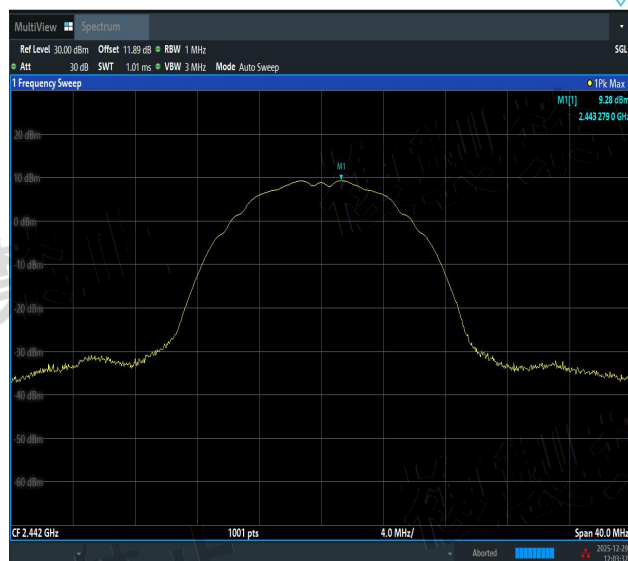
| Test Condition | Test Mode  | Antenna | Frequency[MHz] | Result(dBm/MHz) | EIRP(dBm/MHz) | Limit(dBm/MHz) | Verdict |
|----------------|------------|---------|----------------|-----------------|---------------|----------------|---------|
| NTNV           | 11B        | Ant1    | 2412           | 6.21            | 7.62          | ≤12.14         | PASS    |
| NTNV           | 11B        | Ant1    | 2442           | 6.19            | 7.60          | ≤12.14         | PASS    |
| NTNV           | 11B        | Ant1    | 2472           | 5.71            | 7.12          | ≤12.14         | PASS    |
| NTNV           | 11G        | Ant1    | 2412           | -1.36           | 0.05          | ≤12.14         | PASS    |
| NTNV           | 11G        | Ant1    | 2442           | -1.69           | -0.28         | ≤12.14         | PASS    |
| NTNV           | 11G        | Ant1    | 2472           | -1.92           | -0.51         | ≤12.14         | PASS    |
| NTNV           | 11N20SISO  | Ant1    | 2412           | -2.93           | -1.52         | ≤12.14         | PASS    |
| NTNV           | 11N20SISO  | Ant1    | 2442           | -3.05           | -1.64         | ≤12.14         | PASS    |
| NTNV           | 11N20SISO  | Ant1    | 2472           | -3.22           | -1.81         | ≤12.14         | PASS    |
| NTNV           | 11N40SISO  | Ant1    | 2422           | -6.21           | -4.80         | ≤9.13          | PASS    |
| NTNV           | 11N40SISO  | Ant1    | 2442           | -6.28           | -4.87         | ≤9.13          | PASS    |
| NTNV           | 11N40SISO  | Ant1    | 2462           | -6.44           | -5.03         | ≤9.13          | PASS    |
| NTNV           | 11AX20SISO | Ant1    | 2412           | -3.39           | -1.98         | ≤12.14         | PASS    |
| NTNV           | 11AX20SISO | Ant1    | 2442           | -3.50           | -2.09         | ≤12.14         | PASS    |
| NTNV           | 11AX20SISO | Ant1    | 2472           | -3.73           | -2.32         | ≤12.14         | PASS    |

## Test Graphs



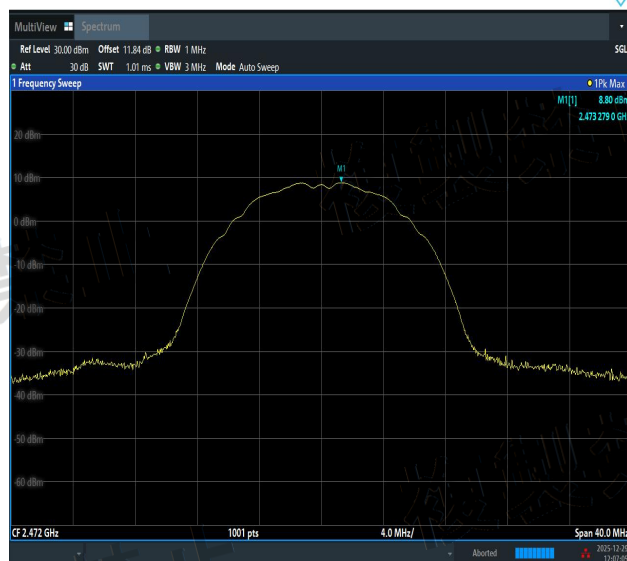
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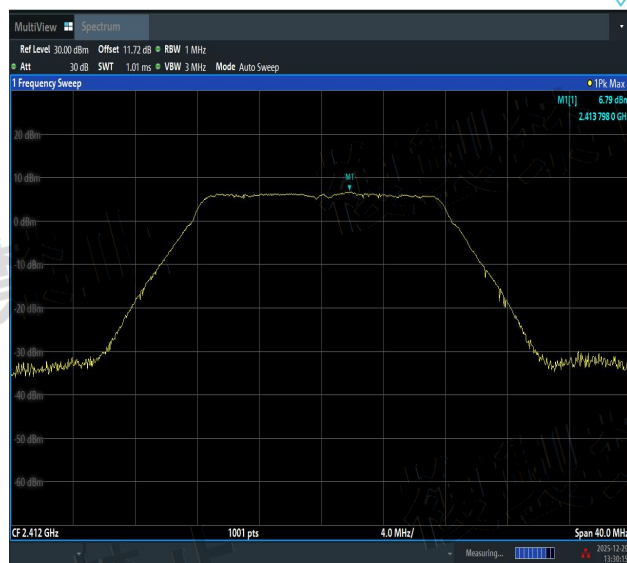
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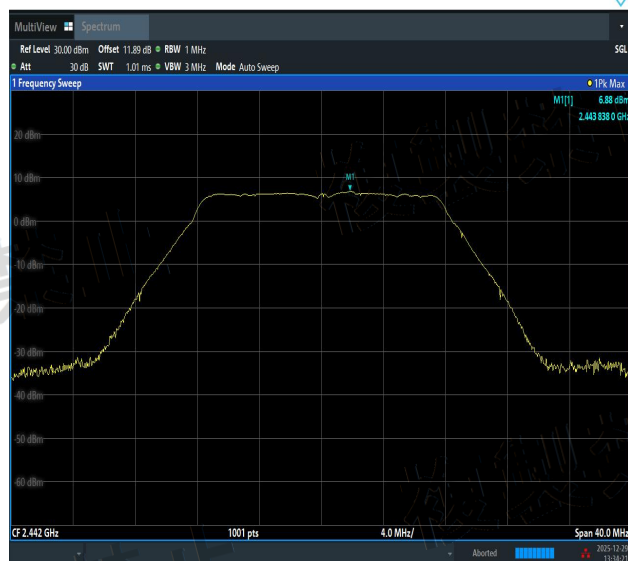
NTNV-11B-Ant1-2472-PASS





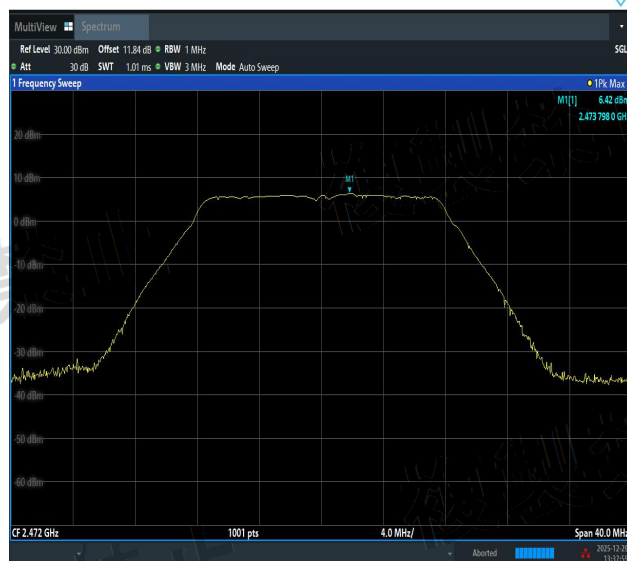
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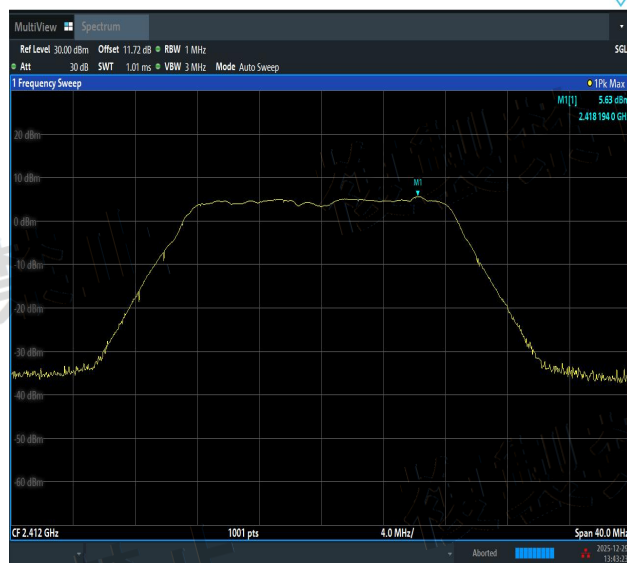
NTNV-11G-Ant1-2442-PASS





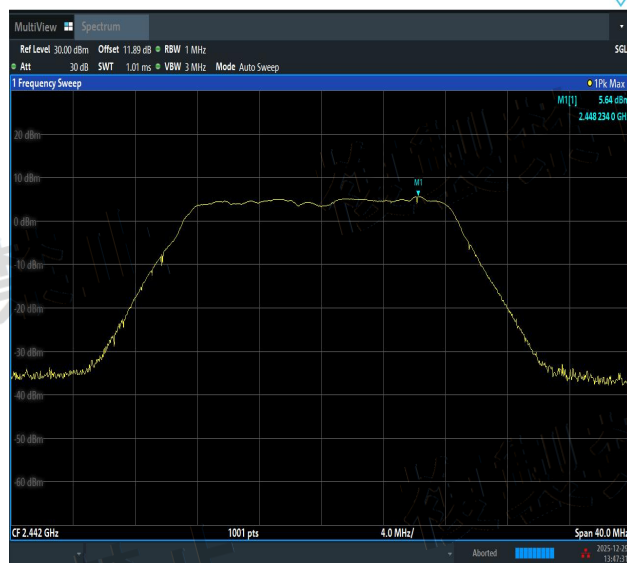
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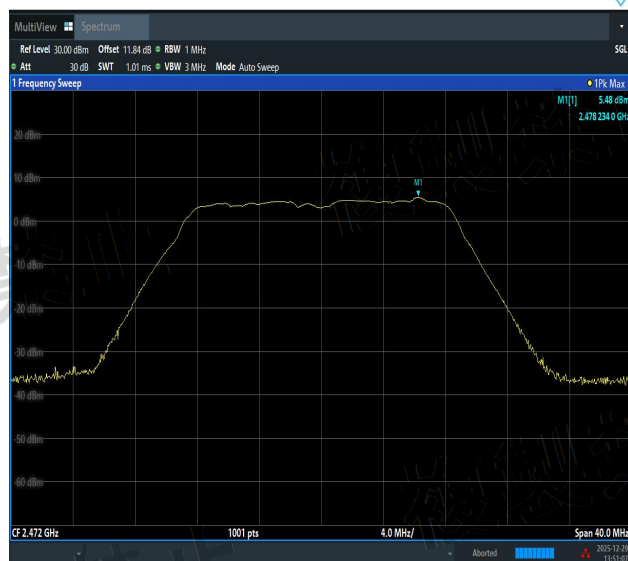
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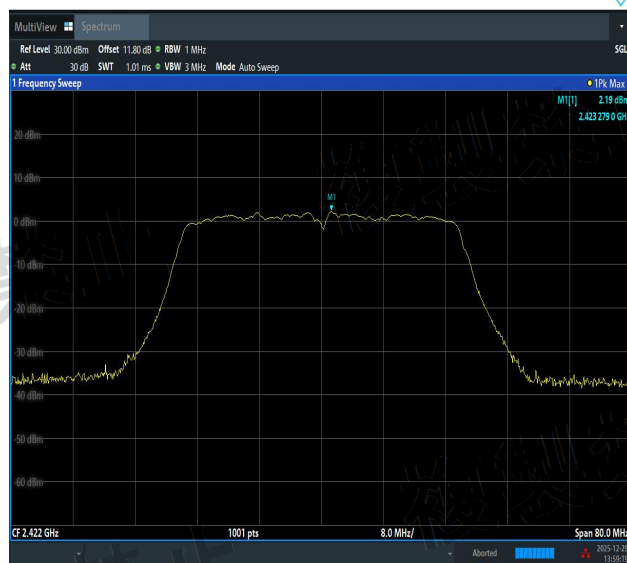
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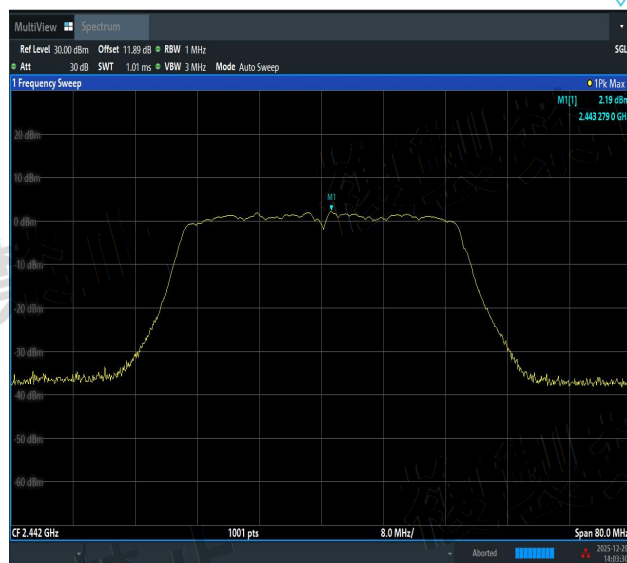
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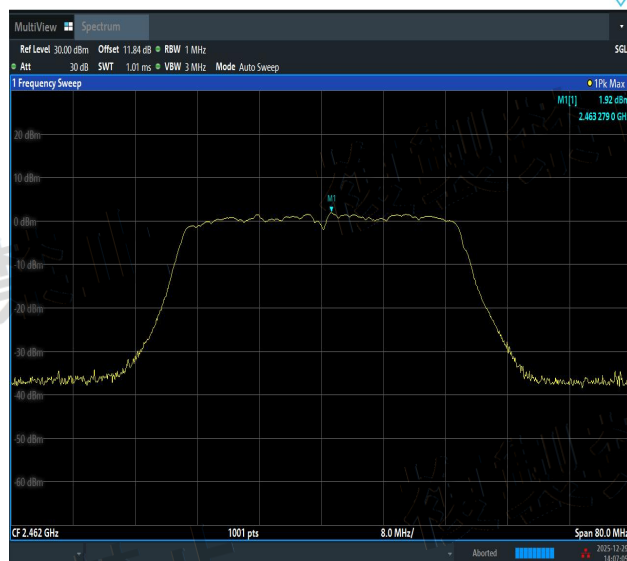
NTNV-11N40SISO-Ant1-2422-PASS





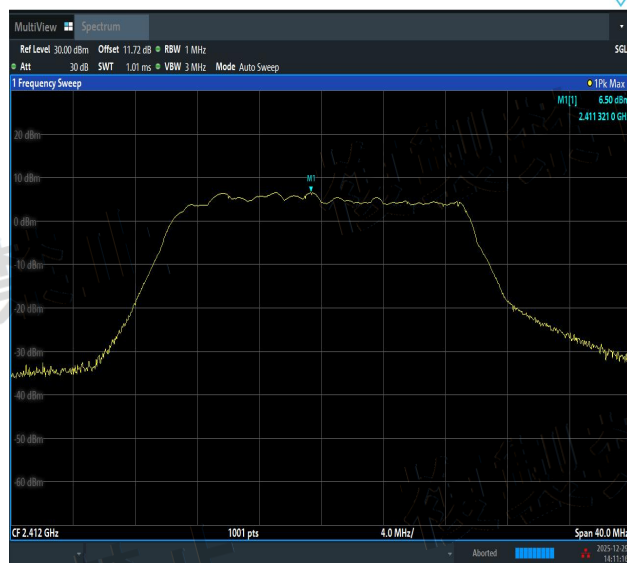
NTNV-11N40SISO-Ant1-2442-PASS





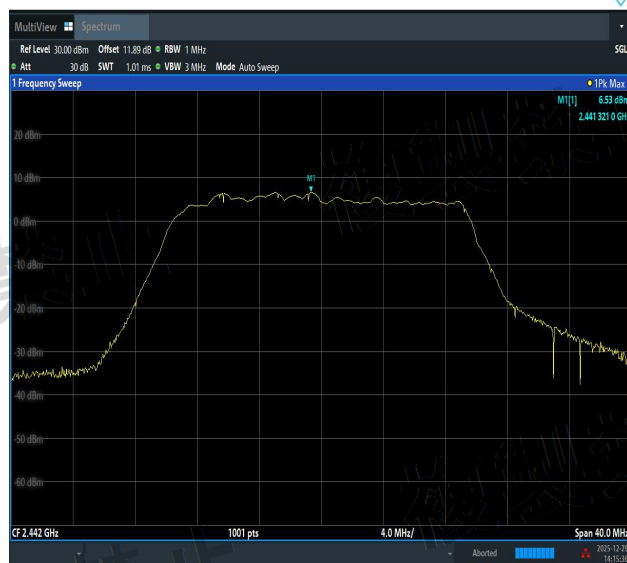
NTNV-11N40SISO-Ant1-2462-PASS





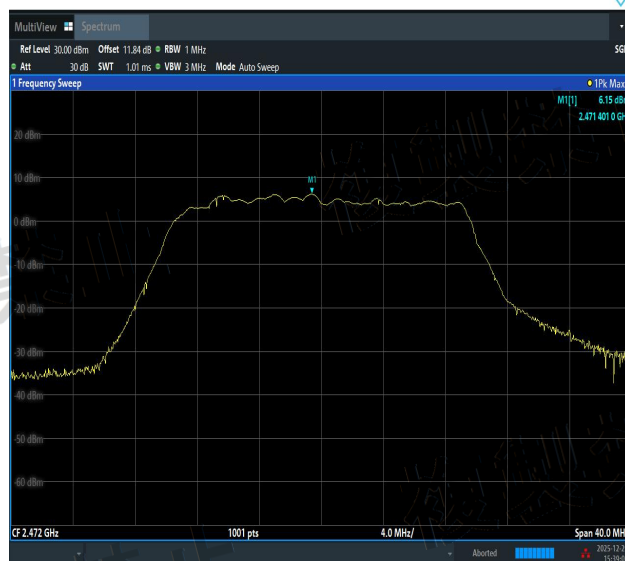
NTNV-11AX20SISO-Ant1-2412-PASS





NTNV-11AX20SISO-Ant1-2442-PASS





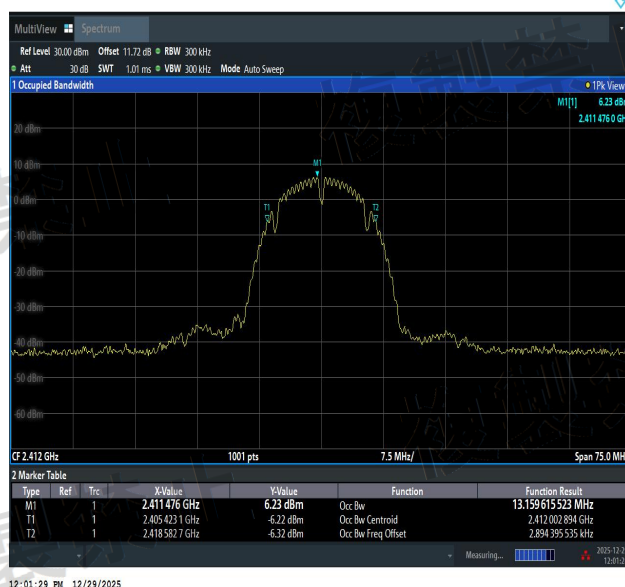
NTNV-11AX20SISO-Ant1-2472-PASS



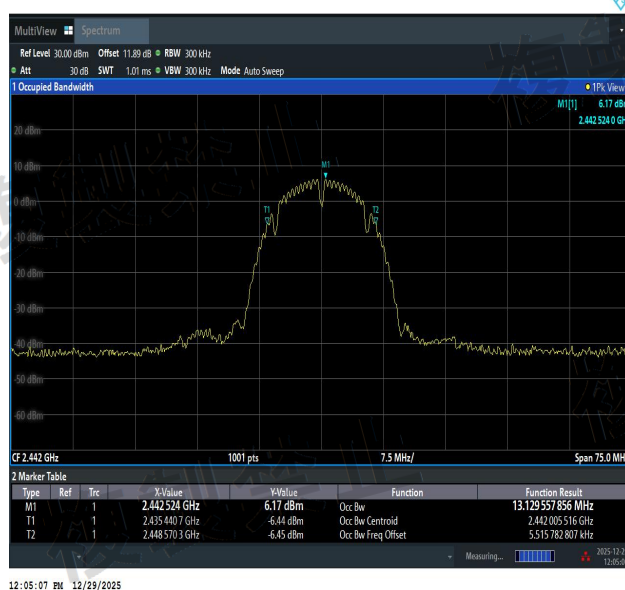
**Appendix C: Occupied Bandwidth****Test Result**

| Test Condition | TestMode   | Antenna | Frequency[MHz] | Result [MHz] | Limit [MHz] | Verdict |
|----------------|------------|---------|----------------|--------------|-------------|---------|
| NTNV           | 11B        | Ant1    | 2412           | 13.160       | ≤26         | PASS    |
| NTNV           | 11B        | Ant1    | 2442           | 13.130       | ≤26         | PASS    |
| NTNV           | 11B        | Ant1    | 2472           | 13.148       | ≤26         | PASS    |
| NTNV           | 11G        | Ant1    | 2412           | 16.961       | ≤26         | PASS    |
| NTNV           | 11G        | Ant1    | 2442           | 16.965       | ≤26         | PASS    |
| NTNV           | 11G        | Ant1    | 2472           | 16.967       | ≤26         | PASS    |
| NTNV           | 11N20SISO  | Ant1    | 2412           | 17.933       | ≤26         | PASS    |
| NTNV           | 11N20SISO  | Ant1    | 2442           | 17.917       | ≤26         | PASS    |
| NTNV           | 11N20SISO  | Ant1    | 2472           | 17.917       | ≤26         | PASS    |
| NTNV           | 11N40SISO  | Ant1    | 2422           | 36.139       | 26-40       | PASS    |
| NTNV           | 11N40SISO  | Ant1    | 2442           | 36.140       | 26-40       | PASS    |
| NTNV           | 11N40SISO  | Ant1    | 2462           | 36.145       | 26-40       | PASS    |
| NTNV           | 11AX20SISO | Ant1    | 2412           | 19.081       | ≤26         | PASS    |
| NTNV           | 11AX20SISO | Ant1    | 2442           | 19.073       | ≤26         | PASS    |
| NTNV           | 11AX20SISO | Ant1    | 2472           | 19.074       | ≤26         | PASS    |

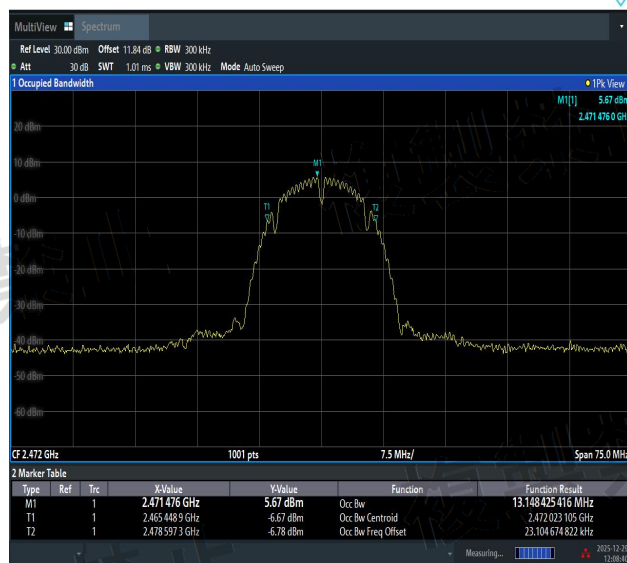
## Test Graphs



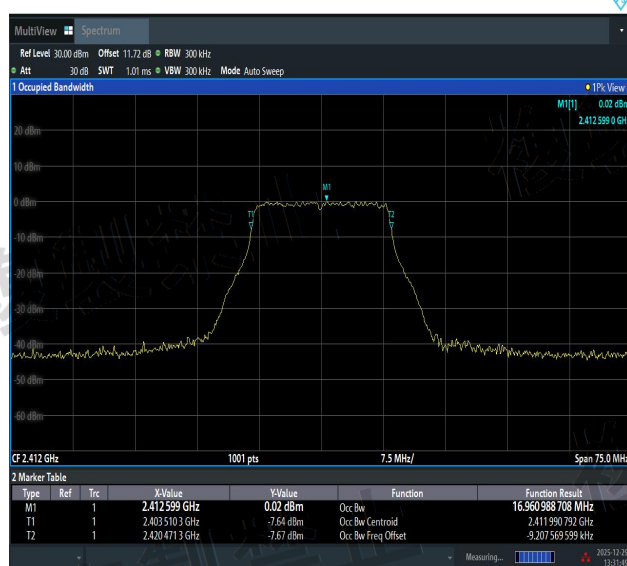
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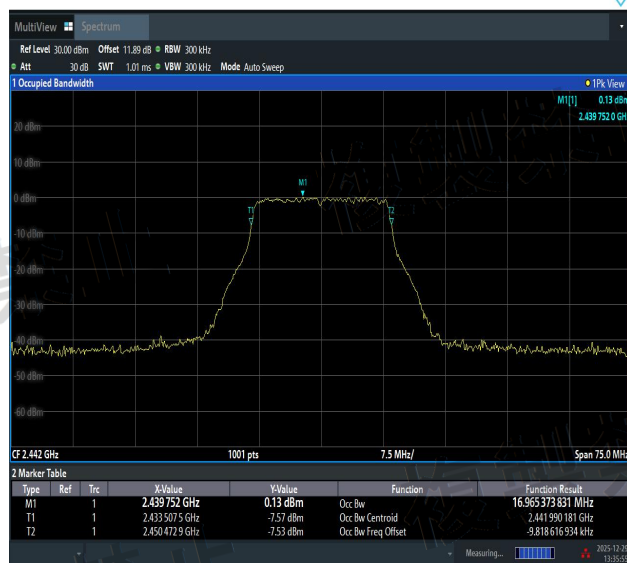
NTNV-11B-Ant1-2442-PASS



NTNV-11B-Ant1-2472-PASS



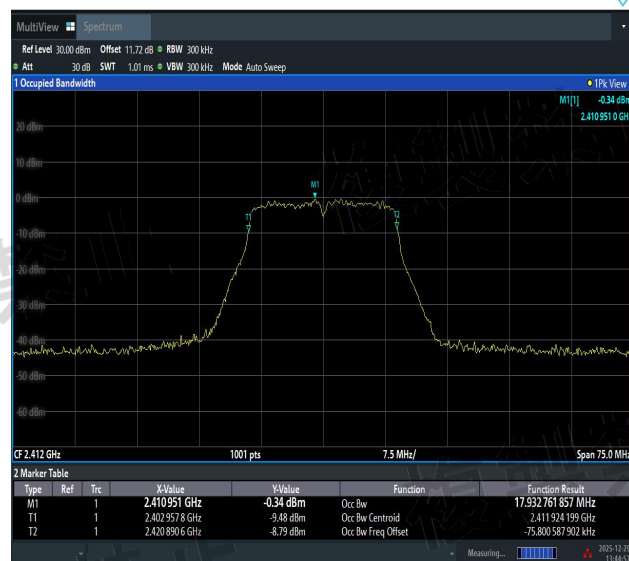
NTNV-11G-Ant1-2412-PASS



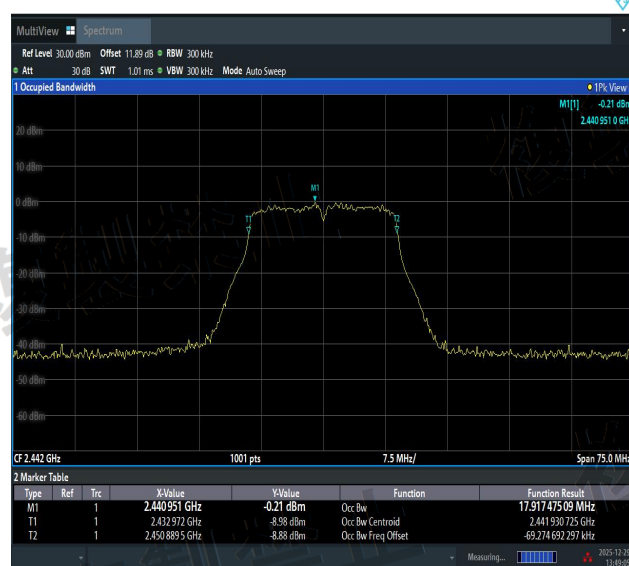
NTNV-11G-Ant1-2442-PASS



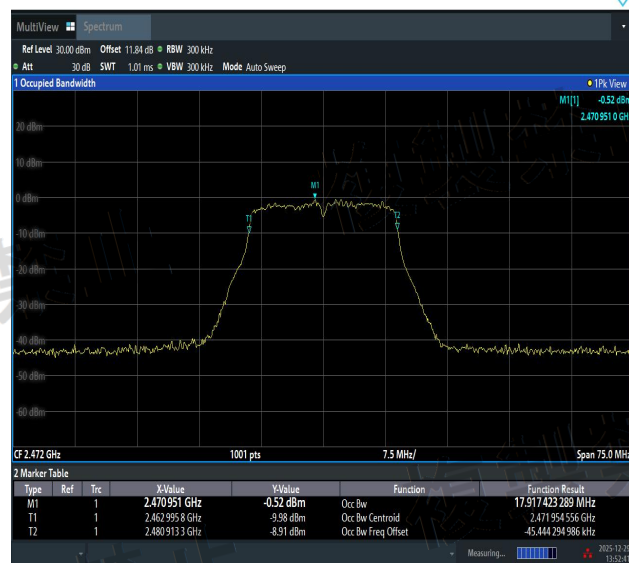
NTNV-11G-Ant1-2472-PASS



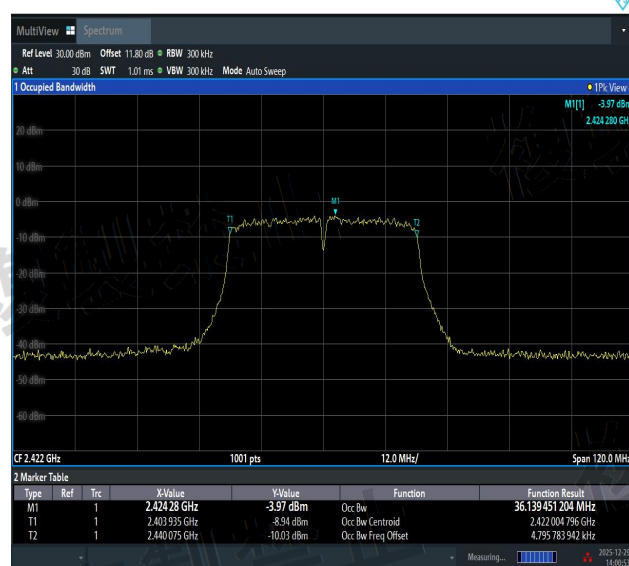
NTNV-11N20SISO-Ant1-2412-PASS



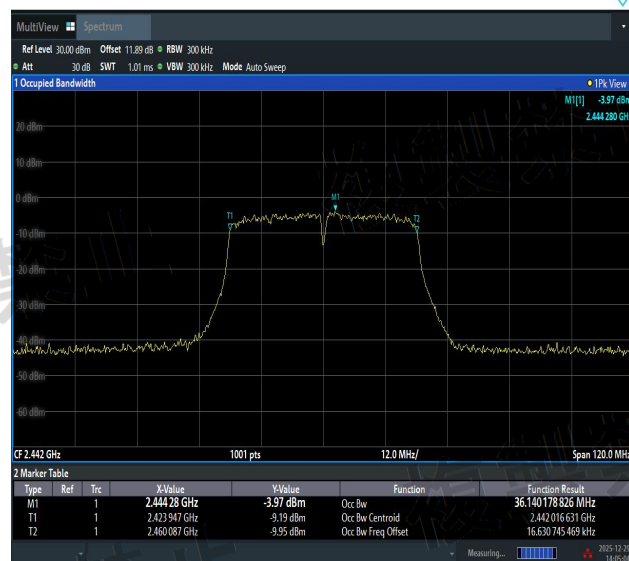
NTNV-11N20SISO-Ant1-2442-PASS



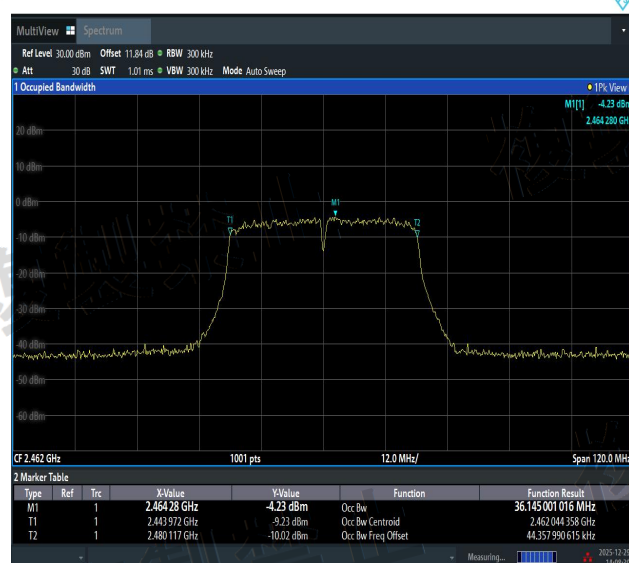
NTNV-11N20SISO-Ant1-2472-PASS



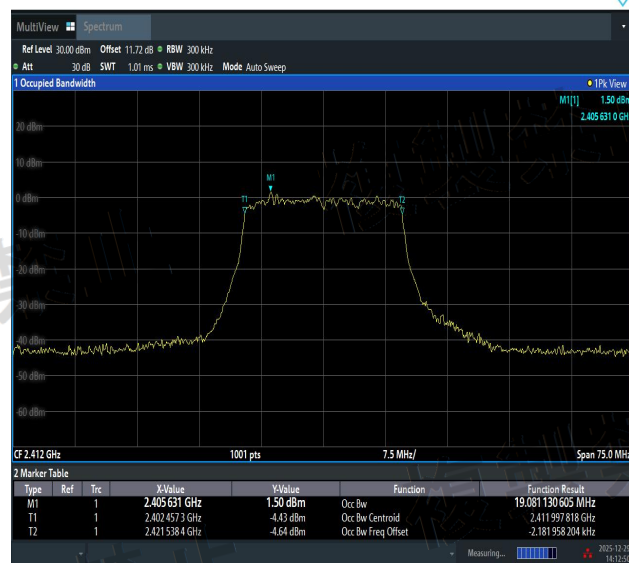
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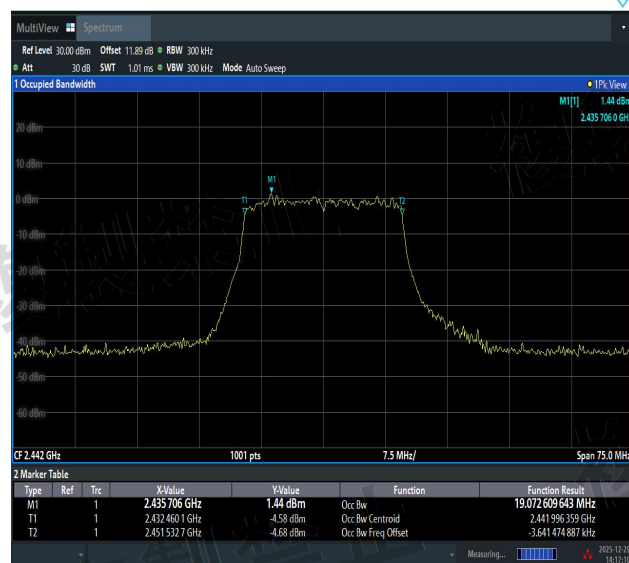
NTNV-11N40SISO-Ant1-2442-PASS



NTNV-11N40SISO-Ant1-2462-PASS



NTNV-11AX20SISO-Ant1-2412-PASS



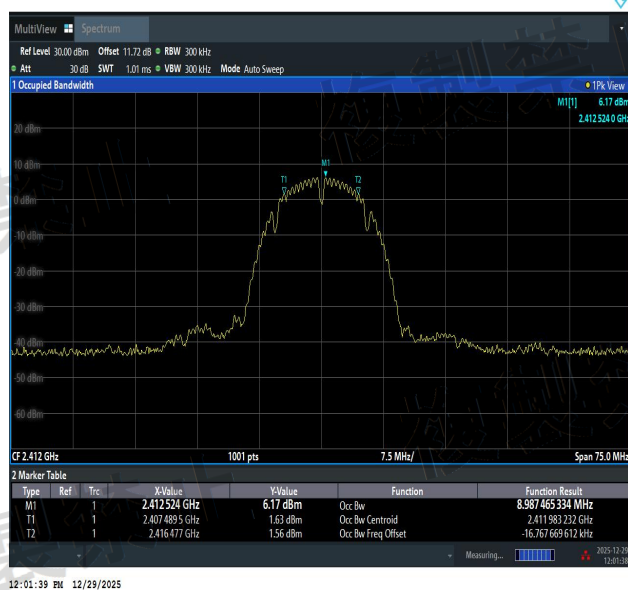
NTNV-11AX20SISO-Ant1-2442-PASS



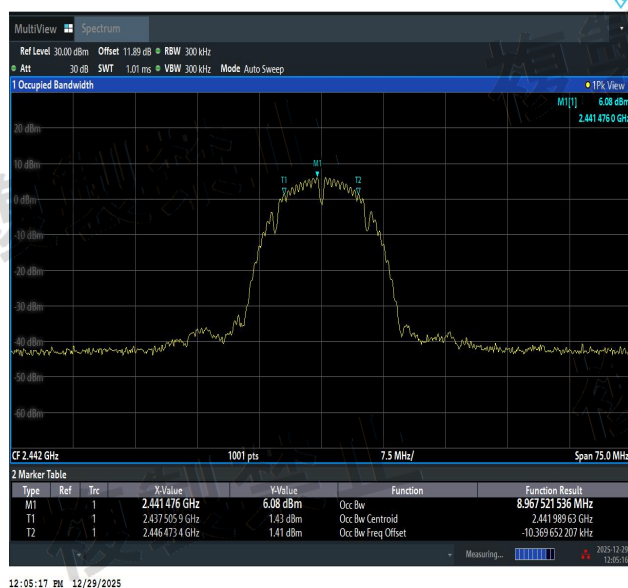
**Appendix D: Spread Bandwidth****Test Result**

| Test Condition | TestMode   | Antenna | Frequency[MHz] | Result [MHz] |
|----------------|------------|---------|----------------|--------------|
| NTNV           | 11B        | Ant1    | 2412           | 8.988        |
| NTNV           | 11B        | Ant1    | 2442           | 8.968        |
| NTNV           | 11B        | Ant1    | 2472           | 8.973        |
| NTNV           | 11G        | Ant1    | 2412           | 14.760       |
| NTNV           | 11G        | Ant1    | 2442           | 14.726       |
| NTNV           | 11G        | Ant1    | 2472           | 14.735       |
| NTNV           | 11N20SISO  | Ant1    | 2412           | 15.552       |
| NTNV           | 11N20SISO  | Ant1    | 2442           | 15.545       |
| NTNV           | 11N20SISO  | Ant1    | 2472           | 15.534       |
| NTNV           | 11N40SISO  | Ant1    | 2422           | 31.500       |
| NTNV           | 11N40SISO  | Ant1    | 2442           | 31.515       |
| NTNV           | 11N40SISO  | Ant1    | 2462           | 31.496       |
| NTNV           | 11AX20SISO | Ant1    | 2412           | 16.699       |
| NTNV           | 11AX20SISO | Ant1    | 2442           | 16.668       |
| NTNV           | 11AX20SISO | Ant1    | 2472           | 16.660       |

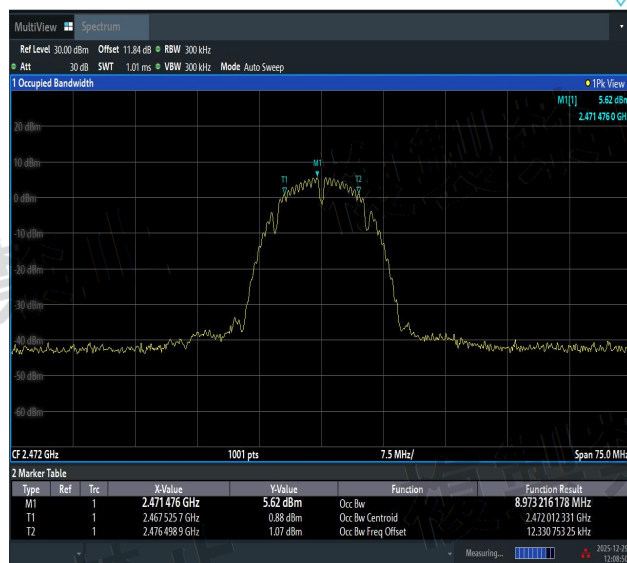
## Test Graphs



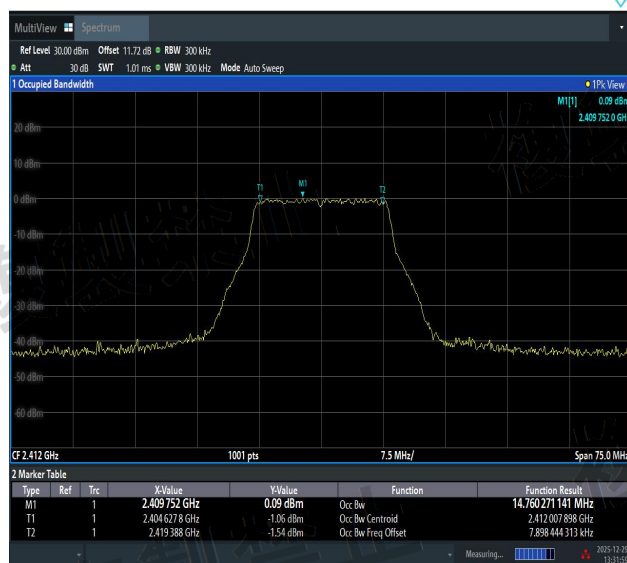
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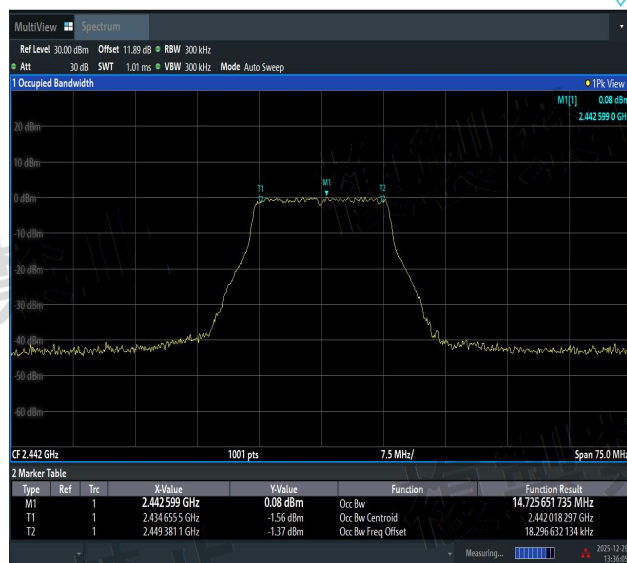
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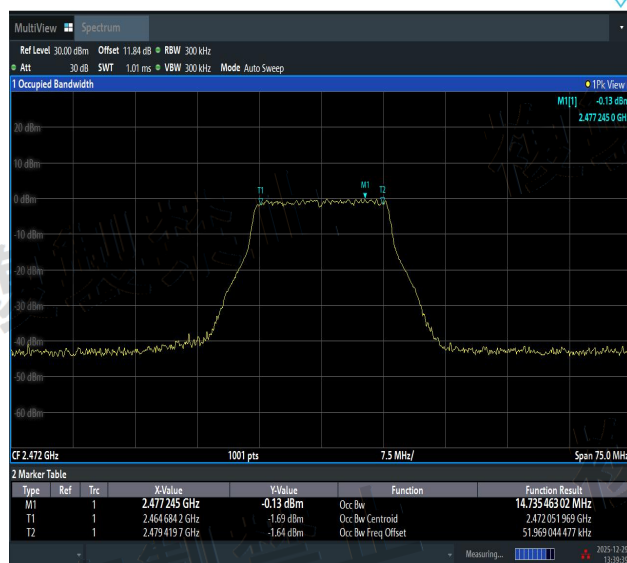
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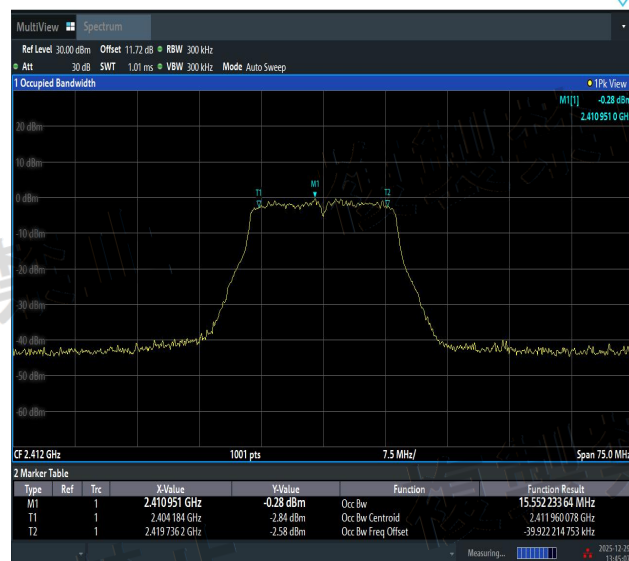
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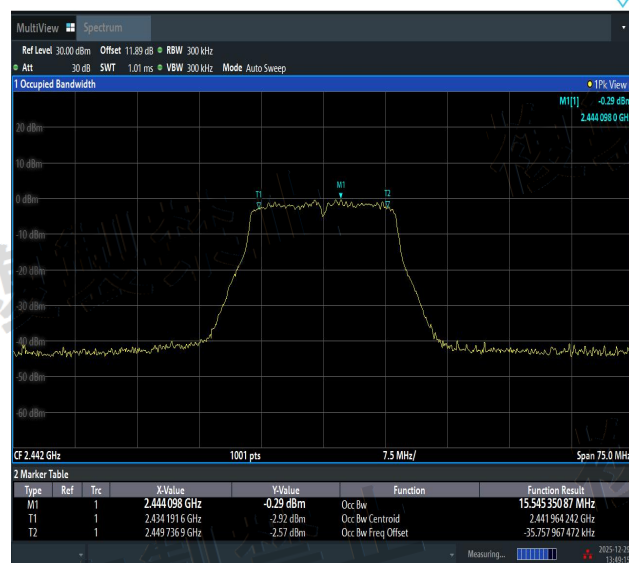
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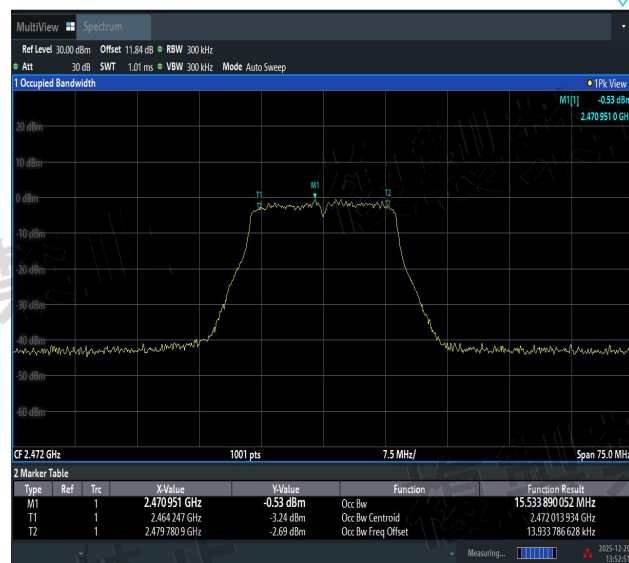
NTNV-11G-Ant1-2472-PASS



NTNV-11N20SISO-Ant1-2412-PASS



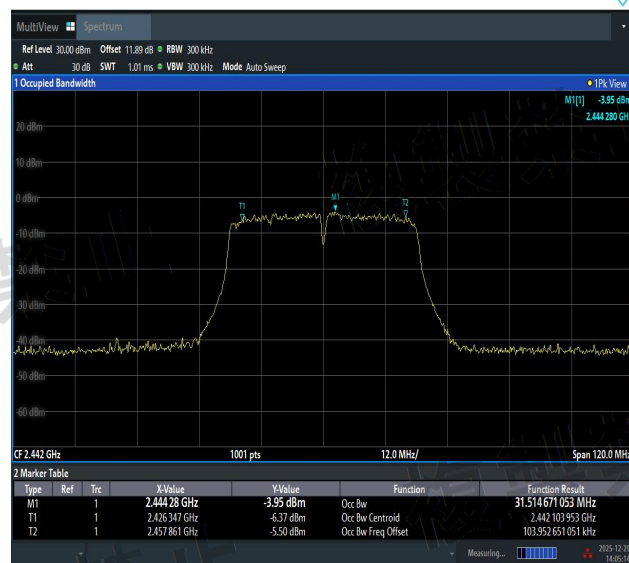
NTNV-11N20SISO-Ant1-2442-PASS



NTNV-11N20SISO-Ant1-2472-PASS



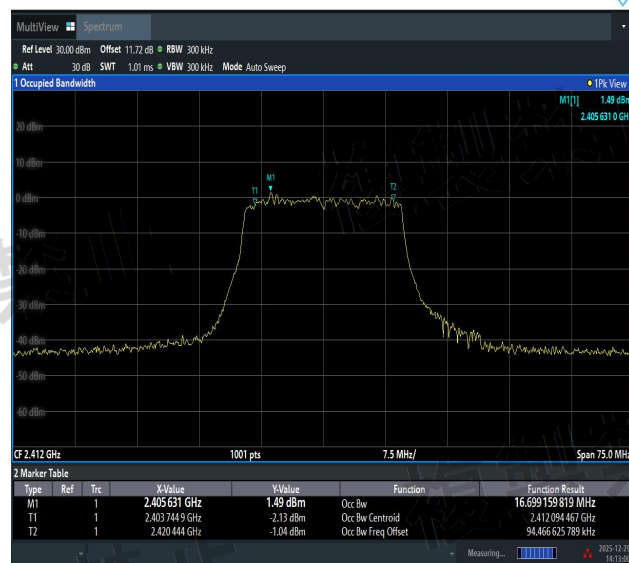
NTNV-11N40SISO-Ant1-2422-PASS



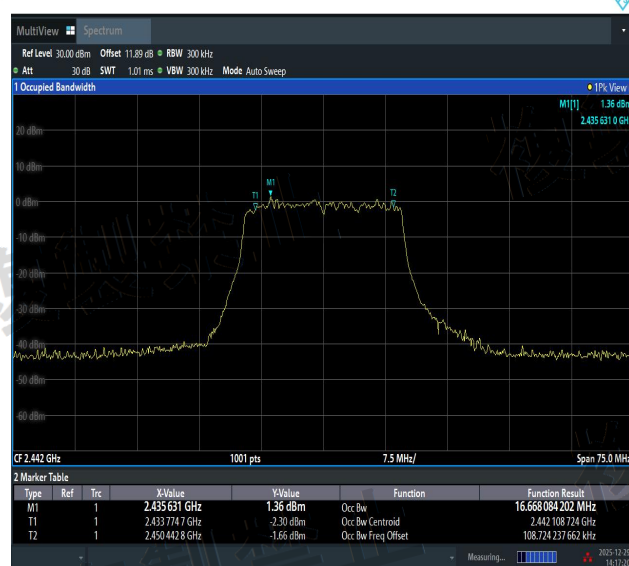
NTNV-11N40SISO-Ant1-2442-PASS



NTNV-11N40SISO-Ant1-2462-PASS



NTNV-11AX20SISO-Ant1-2412-PASS



NTNV-11AX20SISO-Ant1-2442-PASS



**Appendix E: Unwanted Emission Strength****Test Result**

| Test Condition | TestMode | Antenna | Frequency [MHz] | Freq. Range [MHz] | Result [MHz] | Result [dBm/MHz] | Result [ $\mu$ W/MHz] | Limit [ $\mu$ W/MHz] | Verdict         |
|----------------|----------|---------|-----------------|-------------------|--------------|------------------|-----------------------|----------------------|-----------------|
| NTNV           | 11B      | Ant1    | 2412            | 30~1000           | 57.65        | -61.64           | 0.00069               | $\leq 2.5$           | PASS            |
| NTNV           | 11B      | Ant1    | 2412            | 1000~2387         | 2385.61      | -42.27           | 0.05929               | $\leq 2.5$           | PASS            |
| NTNV           | 11B      | Ant1    | 2412            | 2387~2400         | 2397.48      | -30.93           | 0.80724               | $\leq 25$            | PASS            |
| NTNV           | 11B      | Ant1    | 2412            | 2483.5~2496.5     | 2494.21      | -37.96           | 0.15996               | $\leq 25$            | PASS            |
| NTNV           | 11B      | Ant1    | 2412            | 2496.5~13000      | 2516.98      | -43.09           | 0.04909               | $\leq 2.5$           | PASS            |
| NTNV           | 11B      | Ant1    | 2442            | 30~1000           | 31.94        | -61.77           | 0.00067               | $\leq 2.5$           | PASS            |
| NTNV           | 11B      | Ant1    | 2442            | 1000~2387         | 2382.15      | -45.71           | 0.02685               | $\leq 2.5$           | PASS            |
| NTNV           | 11B      | Ant1    | 2442            | 2387~2400         | 2387.49      | -39.17           | 0.12106               | $\leq 25$            | PASS            |
| NTNV           | 11B      | Ant1    | 2442            | 2483.5~2496.5     | 2484.94      | -38.10           | 0.15488               | $\leq 25$            | PASS            |
| NTNV           | 11B      | Ant1    | 2442            | 2496.5~13000      | 2563.20      | -43.16           | 0.04831               | $\leq 2.5$           | PASS            |
| NTNV           | 11B      | Ant1    | 2472            | 30~1000           | 31.21        | -61.25           | 0.00075               | $\leq 2.5$           | PASS            |
| NTNV           | 11B      | Ant1    | 2472            | 1000~2387         | 2386.65      | -45.25           | 0.02985               | $\leq 2.5$           | PASS            |
| NTNV           | 11B      | Ant1    | 2472            | 2387~2400         | 2389.31      | -38.85           | 0.13032               | $\leq 25$            | PASS            |
| NTNV           | 11B      | Ant1    | 2472            | 2483.5~2496.5     | 2485.03      | -32.41           | 0.57412               | $\leq 25$            | PASS            |
| NTNV           | 11B      | Ant1    | 2472            | 2496.5~13000      | 2502.80      | -42.09           | 0.06180               | $\leq 2.5$           | PASS            |
| NTNV           | 11G      | Ant1    | 2412            | 30~1000           | 35.82        | -61.39           | 0.00073               | $\leq 2.5$           | PASS            |
| NTNV           | 11G      | Ant1    | 2412            | 1000~2387         | 2385.96      | -35.26           | 0.29785               | $\leq 2.5$           | See table below |
| NTNV           | 11G      | Ant1    | 2412            | 2387~2400         | 2399.98      | -25.02           | 3.14775               | $\leq 25$            | See table below |
| NTNV           | 11G      | Ant1    | 2412            | 2483.5~2496.5     | 2487.28      | -39.79           | 0.10495               | $\leq 25$            | PASS            |
| NTNV           | 11G      | Ant1    | 2412            | 2496.5~13000      | 8592.21      | -49.30           | 0.01175               | $\leq 2.5$           | PASS            |
| NTNV           | 11G      | Ant1    | 2442            | 30~1000           | 825.40       | -54.49           | 0.00356               | $\leq 2.5$           | PASS            |
| NTNV           | 11G      | Ant1    | 2442            | 1000~2387         | 2365.15      | -48.10           | 0.01549               | $\leq 2.5$           | PASS            |
| NTNV           | 11G      | Ant1    | 2442            | 2387~2400         | 2388.14      | -39.57           | 0.11041               | $\leq 25$            | PASS            |
| NTNV           | 11G      | Ant1    | 2442            | 2483.5~2496.5     | 2484.55      | -39.55           | 0.11092               | $\leq 25$            | PASS            |
| NTNV           | 11G      | Ant1    | 2442            | 2496.5~13000      | 8771.82      | -49.66           | 0.01081               | $\leq 2.5$           | PASS            |
| NTNV           | 11G      | Ant1    | 2472            | 30~1000           | 833.16       | -53.69           | 0.00428               | $\leq 2.5$           | PASS            |
| NTNV           | 11G      | Ant1    | 2472            | 1000~2387         | 2300.66      | -48.01           | 0.01581               | $\leq 2.5$           | PASS            |
| NTNV           | 11G      | Ant1    | 2472            | 2387~2400         | 2391.04      | -40.22           | 0.09506               | $\leq 25$            | PASS            |
| NTNV           | 11G      | Ant1    | 2472            | 2483.5~2496.5     | 2483.5       | -16.47           | 22.54239              | $\leq 25$            | See table below |

|      |            |      |      |               |         |        |              |      |                       |
|------|------------|------|------|---------------|---------|--------|--------------|------|-----------------------|
| NTNV | 11G        | Ant1 | 2472 | 2496.5~13000  | 8719.30 | -49.15 | 0.01216      | ≤2.5 | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2412 | 30~1000       | 831.22  | -53.75 | 0.00422      | ≤2.5 | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2412 | 1000~2387     | 2387.00 | -41.93 | 0.06412      | ≤2.5 | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2412 | 2387~2400     | 2399.98 | -17.46 | 17.9473<br>4 | ≤25  | See<br>table<br>below |
| NTNV | 11N20SISO  | Ant1 | 2412 | 2483.5~2496.5 | 2493.04 | -39.10 | 0.12303      | ≤25  | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2412 | 2496.5~13000  | 8680.96 | -49.92 | 0.01019      | ≤2.5 | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2442 | 30~1000       | 913.19  | -49.48 | 0.01127      | ≤2.5 | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2442 | 1000~2387     | 2384.23 | -48.09 | 0.01552      | ≤2.5 | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2442 | 2387~2400     | 2390.91 | -39.86 | 0.10328      | ≤25  | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2442 | 2483.5~2496.5 | 2484.34 | -39.50 | 0.11220      | ≤25  | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2442 | 2496.5~13000  | 8715.10 | -49.37 | 0.01156      | ≤2.5 | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2472 | 30~1000       | 827.83  | -61.50 | 0.00071      | ≤2.5 | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2472 | 1000~2387     | 2328.75 | -46.95 | 0.02018      | ≤2.5 | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2472 | 2387~2400     | 2387.46 | -39.98 | 0.10046      | ≤25  | PASS                  |
| NTNV | 11N20SISO  | Ant1 | 2472 | 2483.5~2496.5 | 2483.5  | -17.35 | 18.4077<br>2 | ≤25  | See<br>table<br>below |
| NTNV | 11N20SISO  | Ant1 | 2472 | 2496.5~13000  | 8554.92 | -49.69 | 0.01074      | ≤2.5 | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2422 | 30~1000       | 36.06   | -61.75 | 0.00067      | ≤2.5 | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2422 | 1000~2387     | 2387.00 | -40.55 | 0.08810      | ≤2.5 | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2422 | 2387~2400     | 2399.99 | -24.99 | 3.16957      | ≤25  | See<br>table<br>below |
| NTNV | 11N40SISO  | Ant1 | 2422 | 2483.5~2496.5 | 2484.31 | -40.03 | 0.09931      | ≤25  | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2422 | 2496.5~13000  | 8698.82 | -48.93 | 0.01279      | ≤2.5 | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2442 | 30~1000       | 30.00   | -60.71 | 0.00085      | ≤2.5 | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2442 | 1000~2387     | 2386.65 | -48.25 | 0.01496      | ≤2.5 | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2442 | 2387~2400     | 2399.27 | -38.55 | 0.13964      | ≤25  | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2442 | 2483.5~2496.5 | 2492.61 | -39.85 | 0.10351      | ≤25  | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2442 | 2496.5~13000  | 8782.84 | -49.52 | 0.01117      | ≤2.5 | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2462 | 30~1000       | 30.24   | -60.77 | 0.00084      | ≤2.5 | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2462 | 1000~2387     | 2306.90 | -48.86 | 0.01300      | ≤2.5 | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2462 | 2387~2400     | 2391.54 | -39.30 | 0.11749      | ≤25  | PASS                  |
| NTNV | 11N40SISO  | Ant1 | 2462 | 2483.5~2496.5 | 2483.52 | -20.80 | 8.31764      | ≤25  | See<br>table<br>below |
| NTNV | 11N40SISO  | Ant1 | 2462 | 2496.5~13000  | 8696.72 | -49.13 | 0.01222      | ≤2.5 | PASS                  |
| NTNV | 11AX20SISO | Ant1 | 2412 | 30~1000       | 35.82   | -61.59 | 0.00069      | ≤2.5 | PASS                  |
| NTNV | 11AX20SISO | Ant1 | 2412 | 1000~2387     | 2386.31 | -41.11 | 0.07745      | ≤2.5 | PASS                  |
| NTNV | 11AX20SISO | Ant1 | 2412 | 2387~2400     | 2399.99 | -18.50 | 14.1253      | ≤25  | See                   |

|      |            |      |      |               |         |        | 8            |      | table below     |
|------|------------|------|------|---------------|---------|--------|--------------|------|-----------------|
| NTNV | 11AX20SISO | Ant1 | 2412 | 2483.5~2496.5 | 2483.55 | -40.05 | 0.09886      | ≤25  | PASS            |
| NTNV | 11AX20SISO | Ant1 | 2412 | 2496.5~13000  | 8663.10 | -49.42 | 0.01143      | ≤2.5 | PASS            |
| NTNV | 11AX20SISO | Ant1 | 2442 | 30~1000       | 35.82   | -62.01 | 0.00063      | ≤2.5 | PASS            |
| NTNV | 11AX20SISO | Ant1 | 2442 | 1000~2387     | 2279.16 | -48.07 | 0.01560      | ≤2.5 | PASS            |
| NTNV | 11AX20SISO | Ant1 | 2442 | 2387~2400     | 2391.77 | -40.12 | 0.09727      | ≤25  | PASS            |
| NTNV | 11AX20SISO | Ant1 | 2442 | 2483.5~2496.5 | 2484.10 | -38.52 | 0.14060      | ≤25  | PASS            |
| NTNV | 11AX20SISO | Ant1 | 2442 | 2496.5~13000  | 2497.03 | -47.38 | 0.01828      | ≤2.5 | PASS            |
| NTNV | 11AX20SISO | Ant1 | 2472 | 30~1000       | 34.37   | -62.08 | 0.00062      | ≤2.5 | PASS            |
| NTNV | 11AX20SISO | Ant1 | 2472 | 1000~2387     | 2328.40 | -48.30 | 0.01479      | ≤2.5 | PASS            |
| NTNV | 11AX20SISO | Ant1 | 2472 | 2387~2400     | 2395.65 | -40.57 | 0.08770      | ≤25  | PASS            |
| NTNV | 11AX20SISO | Ant1 | 2472 | 2483.5~2496.5 | 2483.5  | -16.20 | 23.9883<br>3 | ≤25  | See table below |
| NTNV | 11AX20SISO | Ant1 | 2472 | 2496.5~13000  | 2503.85 | -49.12 | 0.01225      | ≤2.5 | PASS            |

### Test Result\_Step2

| Test Condition | TestMode   | Antenna | Frequency [MHz] | Freq. [MHz]   | Result [dBm/MHz] | Result [μW/MHz] | Limit [μW/MHz] | Verdict |
|----------------|------------|---------|-----------------|---------------|------------------|-----------------|----------------|---------|
| NTNV           | 11G        | Ant1    | 2412            | 1000~2387     | -54.15           | 0.00385         | ≤2.5           | PASS    |
| NTNV           | 11G        | Ant1    | 2412            | 2387~2400     | -42.69           | 0.05383         | ≤25            | PASS    |
| NTNV           | 11G        | Ant1    | 2472            | 2483.5~2496.5 | -40.76           | 0.08395         | ≤25            | PASS    |
| NTNV           | 11N20SISO  | Ant1    | 2412            | 2387~2400     | -42.67           | 0.05408         | ≤25            | PASS    |
| NTNV           | 11N20SISO  | Ant1    | 2472            | 2483.5~2496.5 | -40.81           | 0.08299         | ≤25            | PASS    |
| NTNV           | 11N40SISO  | Ant1    | 2422            | 2387~2400     | -47.08           | 0.01959         | ≤25            | PASS    |
| NTNV           | 11N40SISO  | Ant1    | 2462            | 2483.5~2496.5 | -45.09           | 0.03097         | ≤25            | PASS    |
| NTNV           | 11AX20SISO | Ant1    | 2412            | 2387~2400     | -45.17           | 0.03041         | ≤25            | PASS    |
| NTNV           | 11AX20SISO | Ant1    | 2472            | 2483.5~2496.5 | -43.96           | 0.04018         | ≤25            | PASS    |

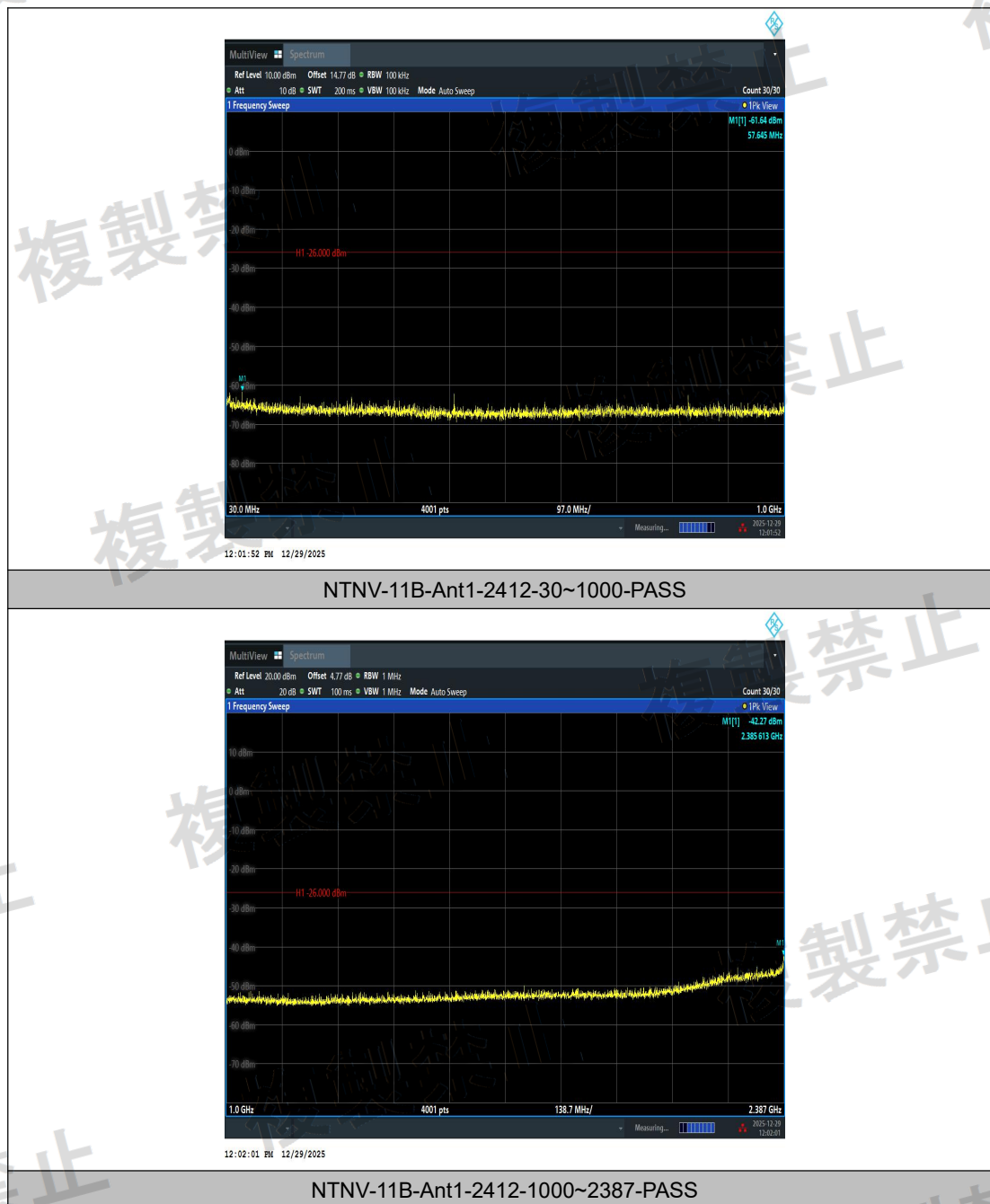
Note:

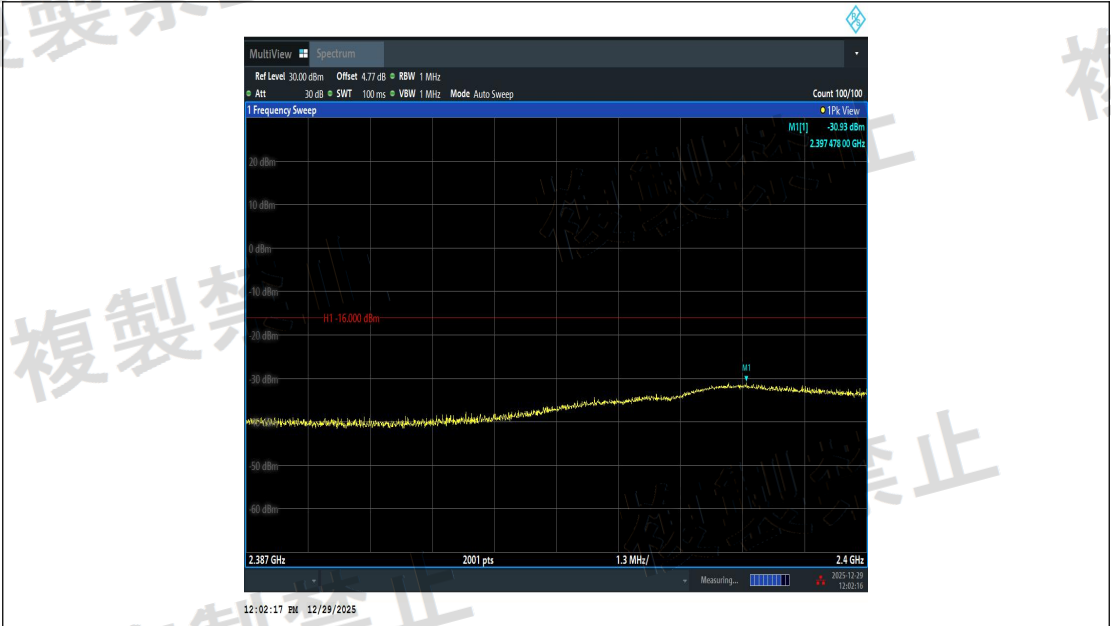
$\text{dBm/1MHz} = \text{dBm/100kHz} + 10 \times \log_{10} (1\text{MHz}/100\text{KHz})$

$\text{dBm/1MHz} = \text{dBm/100kHz} + 10$

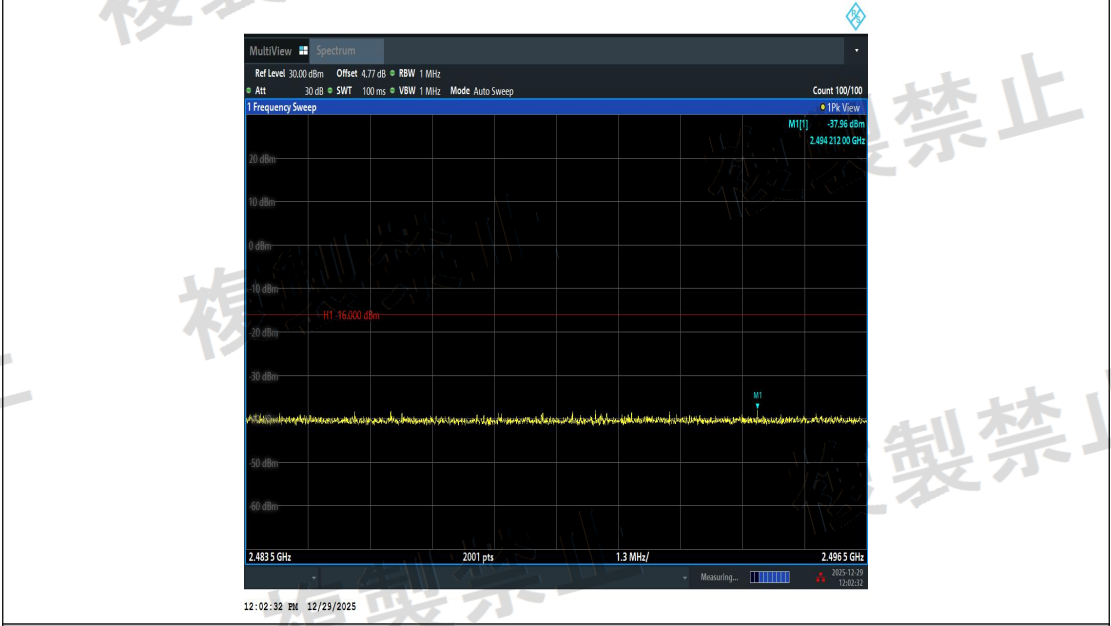
During the 30M-1000M testing process, a 10 dB factor was added for the test.

## Test Graphs

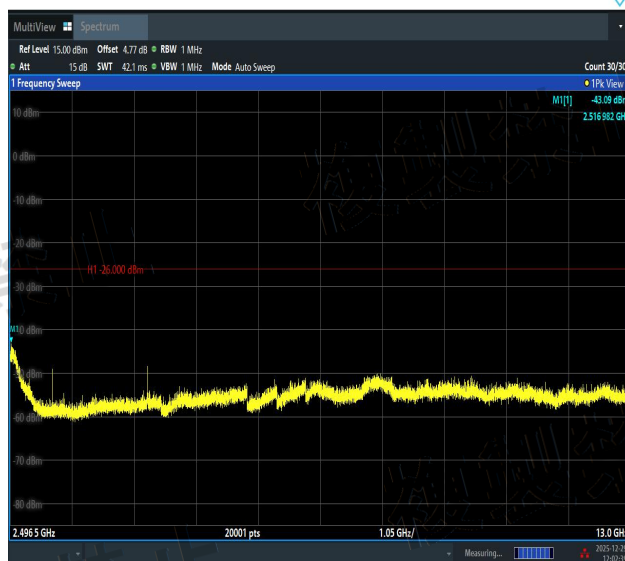




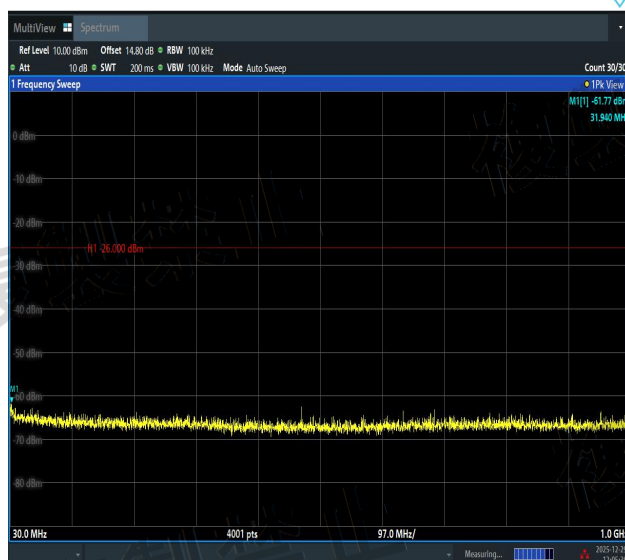
NTNV-11B-Ant1-2412-2387~2400-PASS



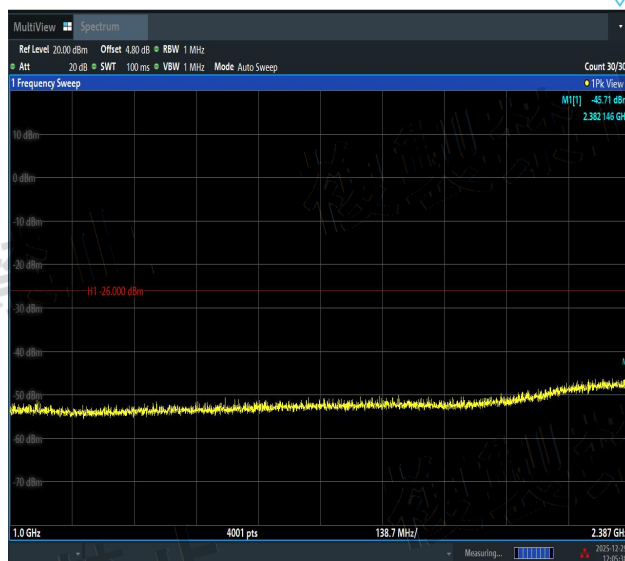
NTNV-11B-Ant1-2412-2483.5~2496.5-PASS



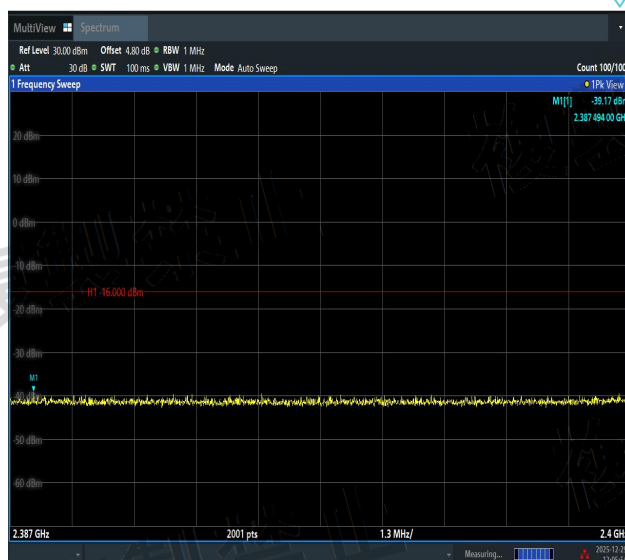
NTNV-11B-Ant1-2412-2496.5~13000-PASS



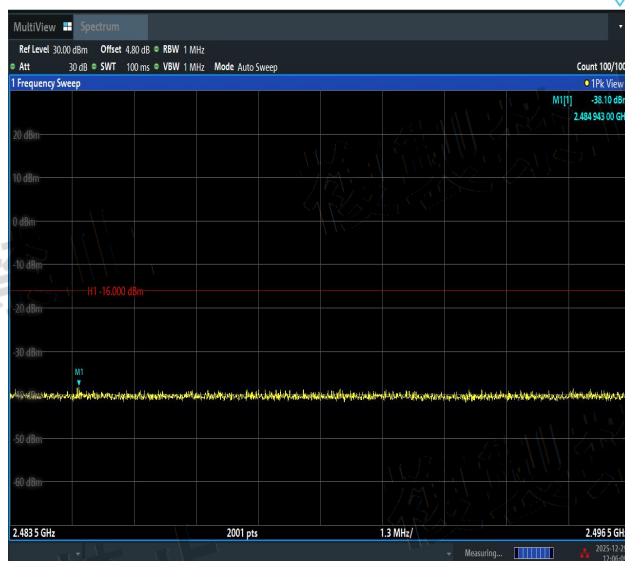
NTNV-11B-Ant1-2442-30~1000-PASS



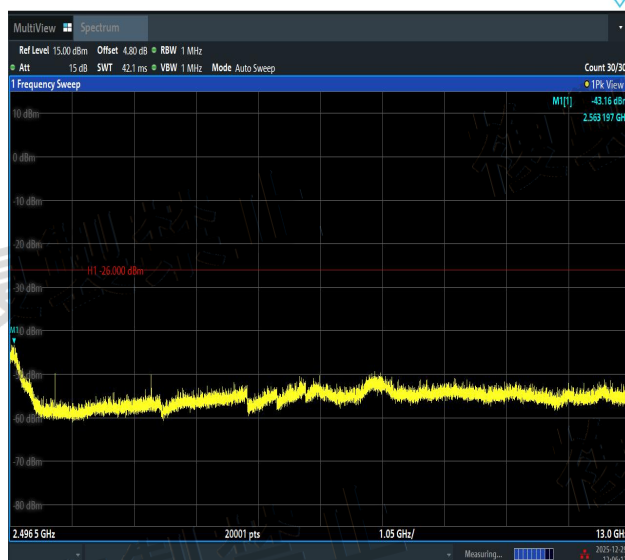
NTNV-11B-Ant1-2442-1000~2387-PASS



NTNV-11B-Ant1-2442-2387~2400-PASS



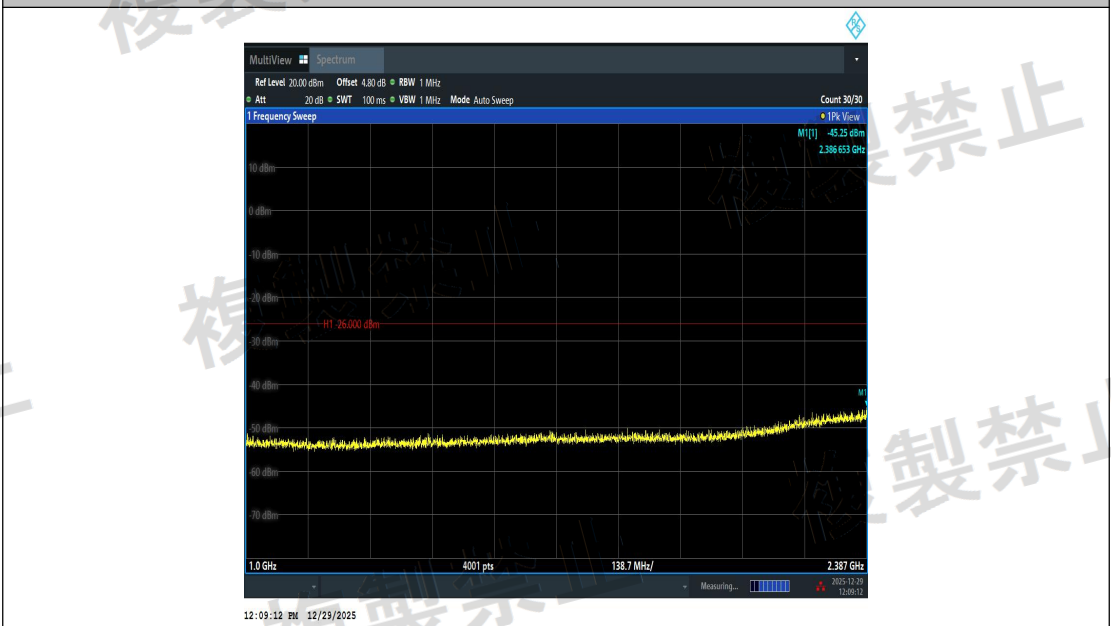
NTNV-11B-Ant1-2442-2483.5~2496.5-PASS



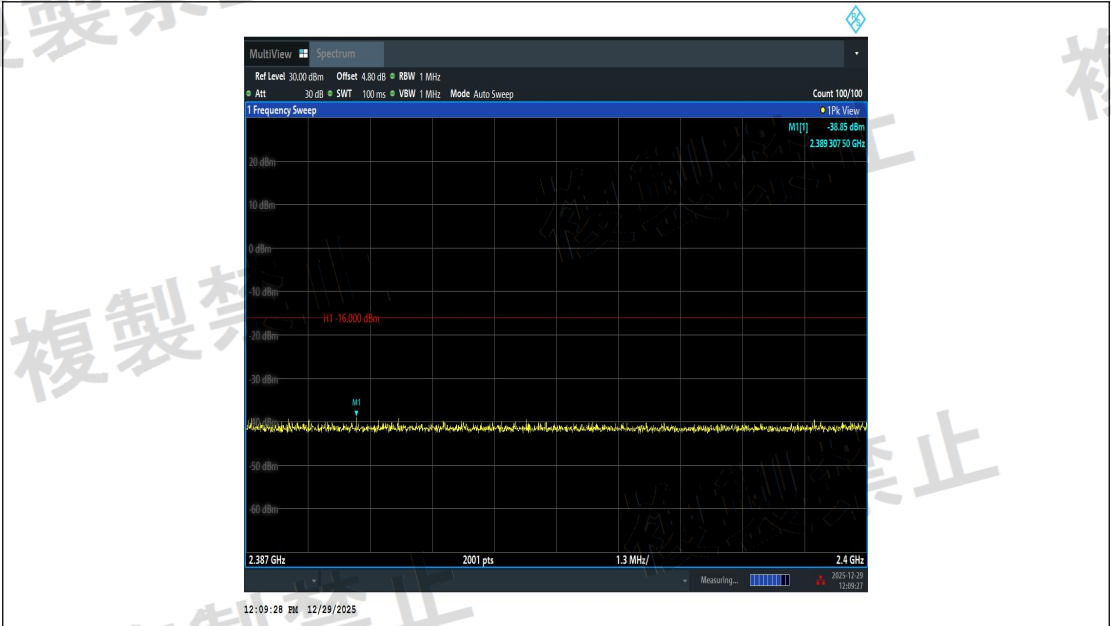
NTNV-11B-Ant1-2442-2496.5~13000-PASS



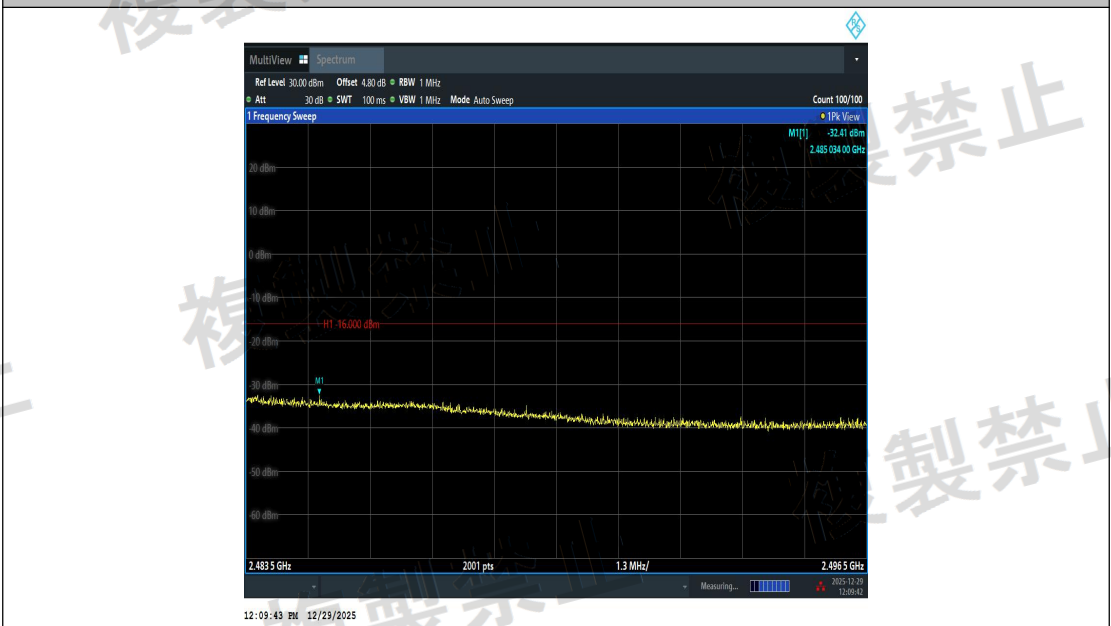
NTNV-11B-Ant1-2472-30~1000-PASS



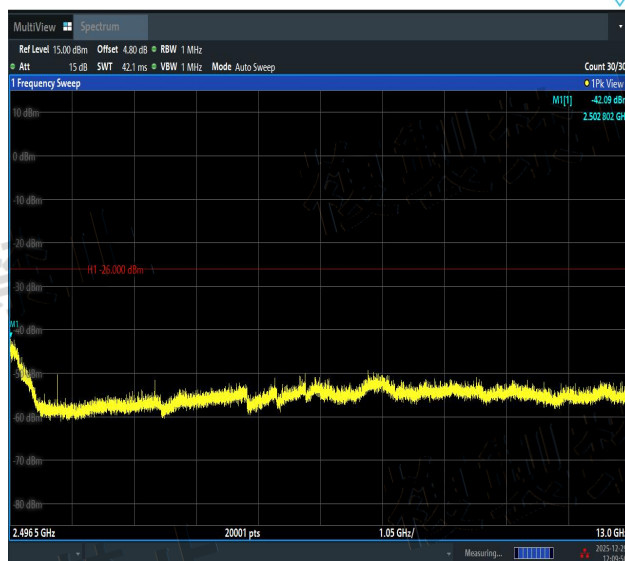
NTNV-11B-Ant1-2472-1000~2387-PASS



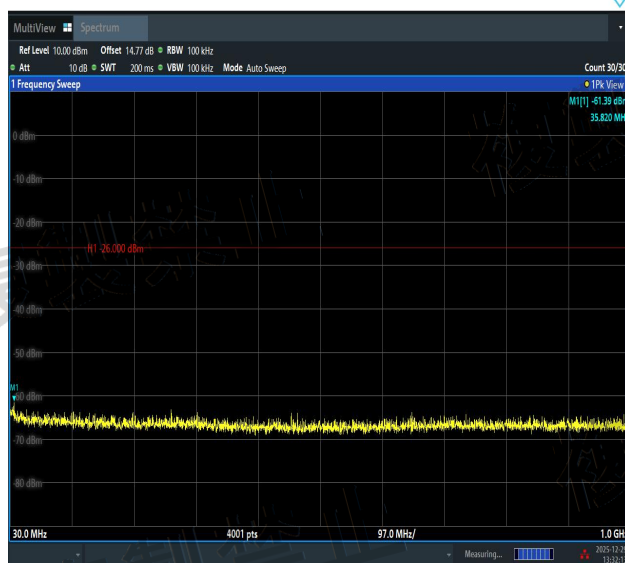
NTNV-11B-Ant1-2472-2387~2400-PASS



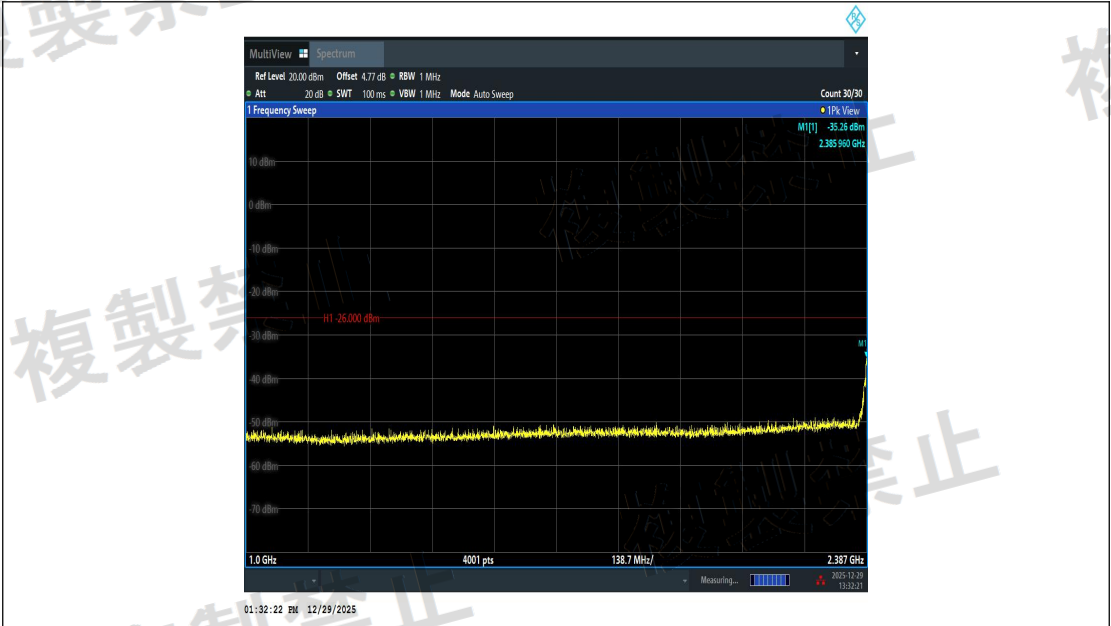
NTNV-11B-Ant1-2472-2483.5~2496.5-PASS



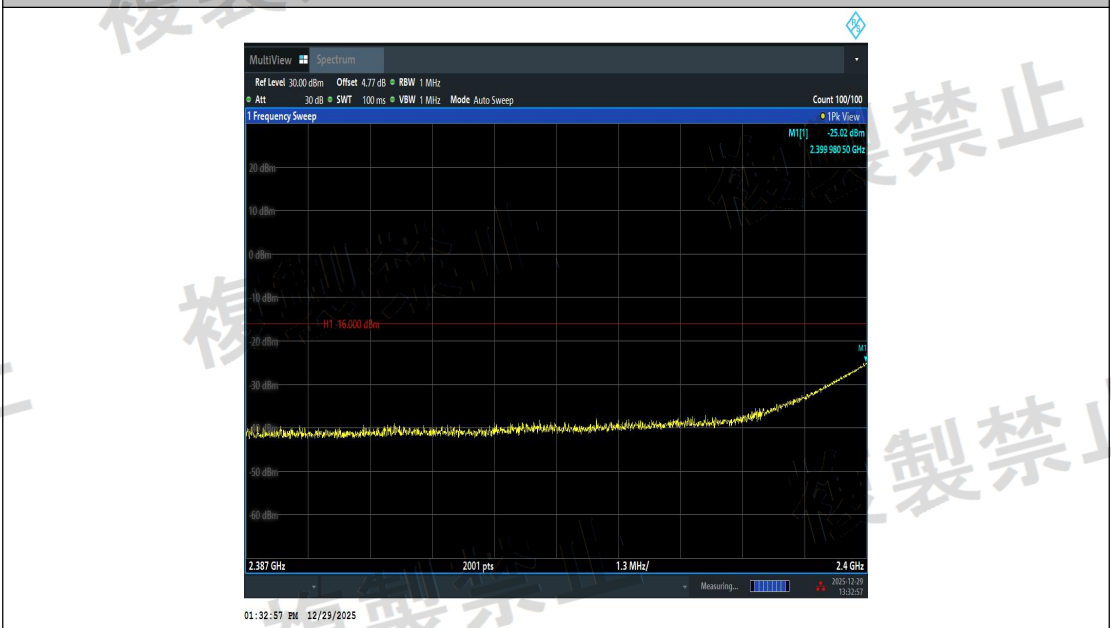
NTNV-11B-Ant1-2472-2496.5~13000-PASS



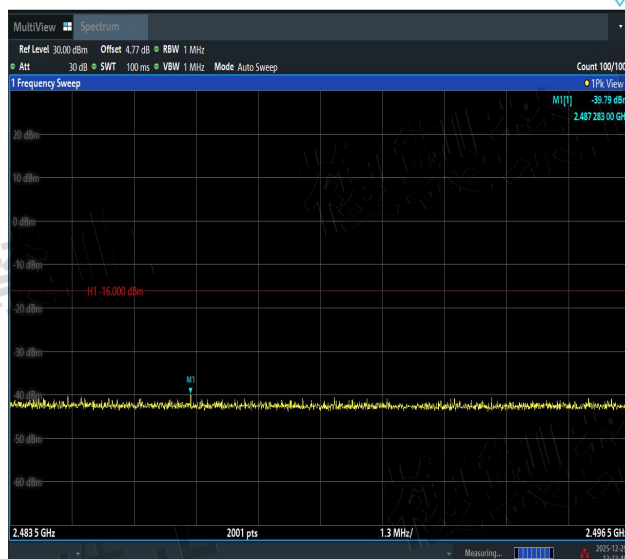
NTNV-11G-Ant1-2412-30~1000-PASS



NTNV-11G-Ant1-2412-1000~2387-See table below

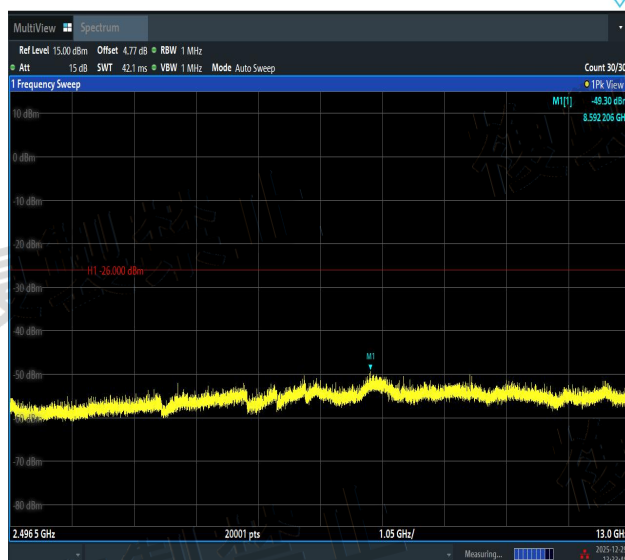


NTNV-11G-Ant1-2412-2387~2400-See table below



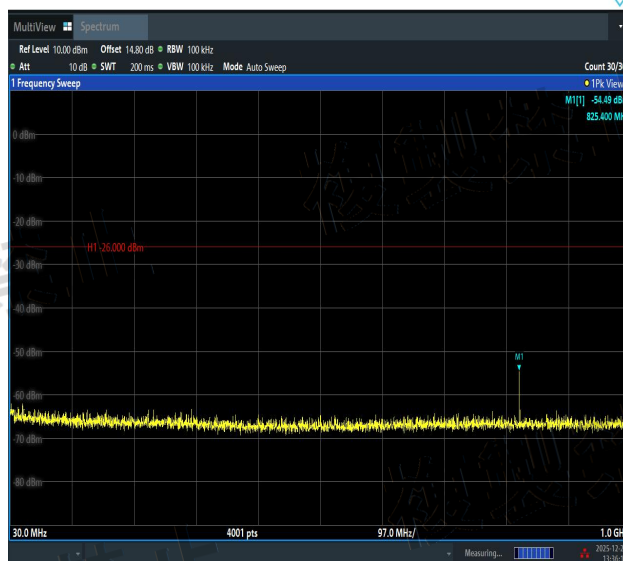
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NTNV-11G-Ant1-2412-2483.5~2496.5-PASS

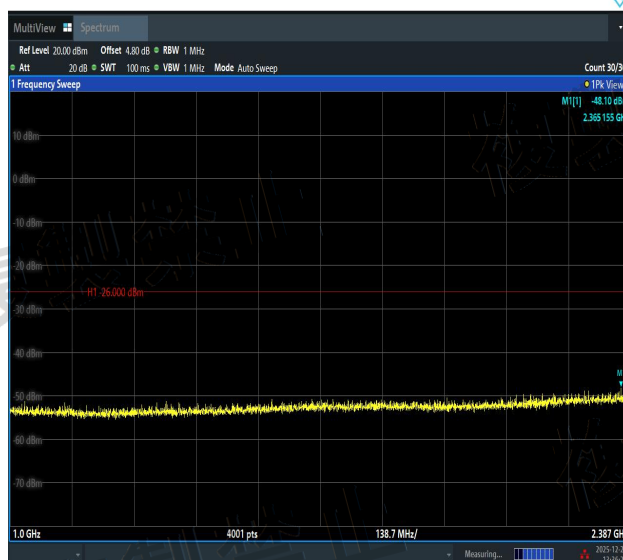


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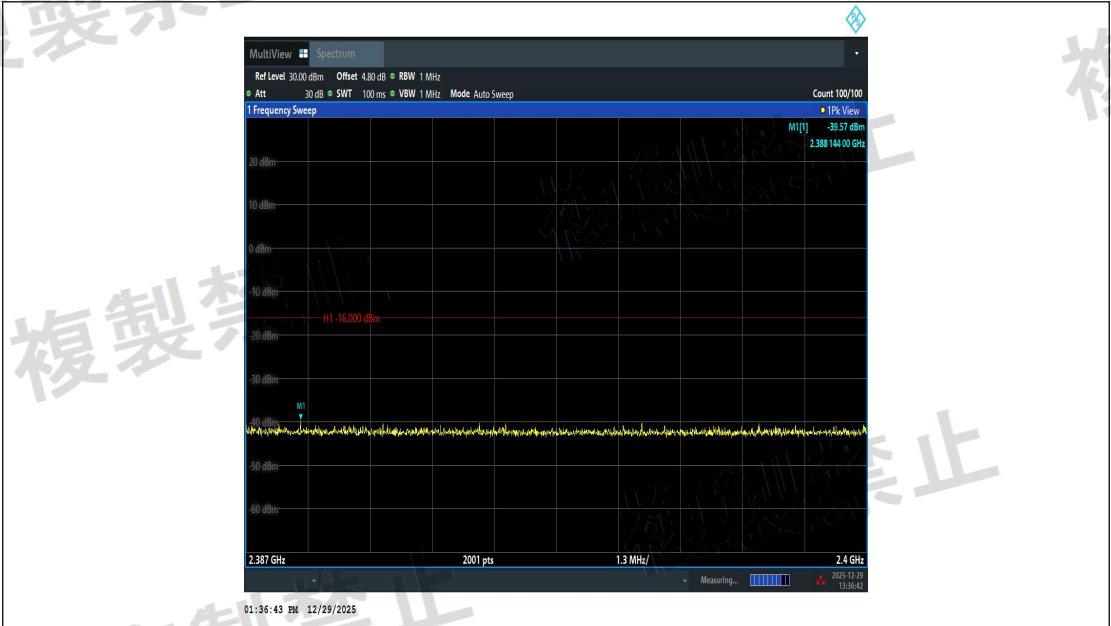
NTNV-11G-Ant1-2412-2496.5~13000-PASS



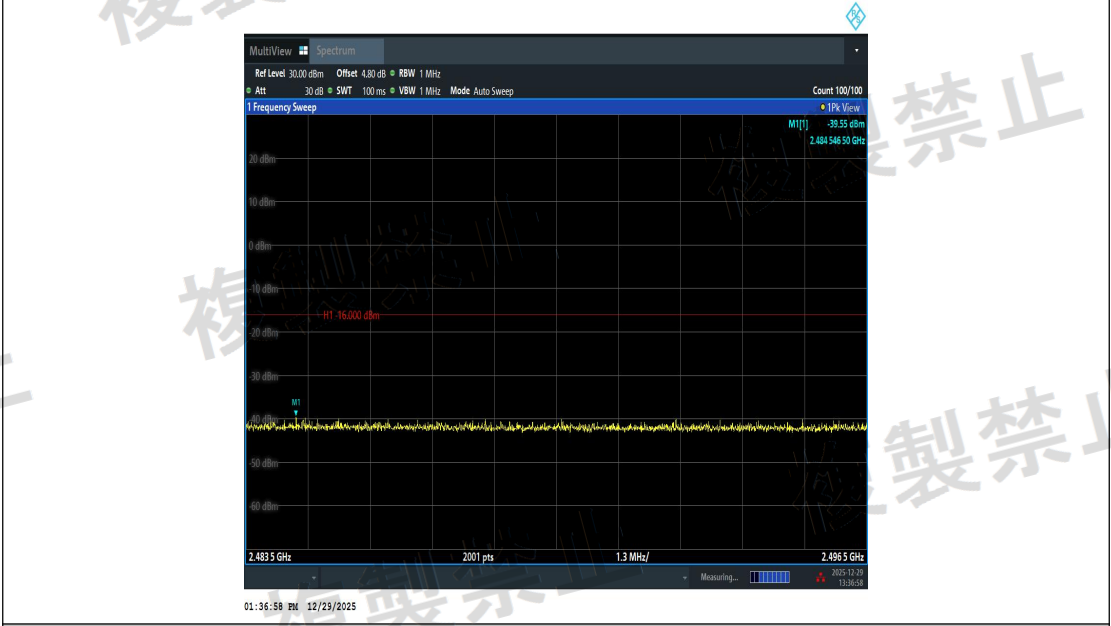
NTNV-11G-Ant1-2442-30~1000-PASS



NTNV-11G-Ant1-2442-1000~2387-PASS



NTNV-11G-Ant1-2442-2387~2400-PASS



NTNV-11G-Ant1-2442-2483.5~2496.5-PASS