



## Appendix A

### RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Robot vacuum cleaner

Test Model: X20ProAI

#### Environmental Conditions

|                    |                  |
|--------------------|------------------|
| Temperature:       | 23.8° C          |
| Relative Humidity: | 52.1%            |
| ATM Pressure:      | 100.0 kPa        |
| Test Engineer:     | Nick Peng        |
|                    | <i>Nick Peng</i> |
| Supervised by:     | Ling Zhu         |
|                    | <i>Ling Zhu</i>  |





## A.1 -6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | b    | 2412            | Ant1    | 8.566                 | $\geq 0.5$                  | Pass    |
| NVNT      | b    | 2437            | Ant1    | 7.776                 | $\geq 0.5$                  | Pass    |
| NVNT      | b    | 2462            | Ant1    | 9.123                 | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2412            | Ant1    | 16.294                | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2437            | Ant1    | 15.894                | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2462            | Ant1    | 15.161                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 16.542                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 16.867                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 17.594                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 35.126                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2437            | Ant1    | 35.009                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2452            | Ant1    | 35.087                | $\geq 0.5$                  | Pass    |



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## Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1



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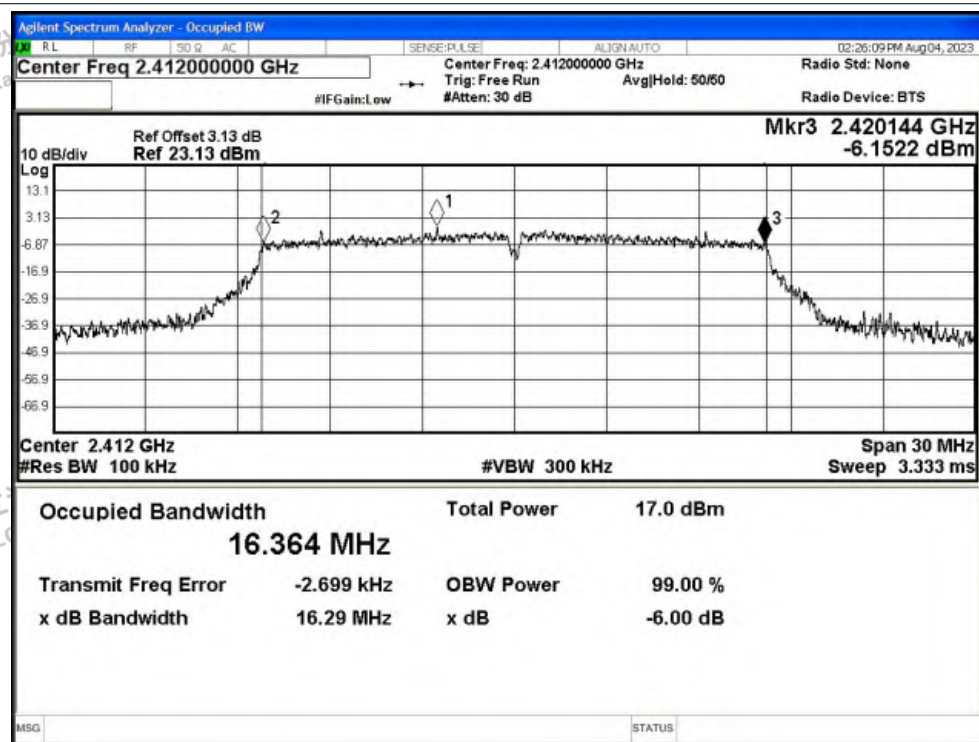
Scan code to check authenticity



-6dB Bandwidth NVNT b 2462MHz Ant1



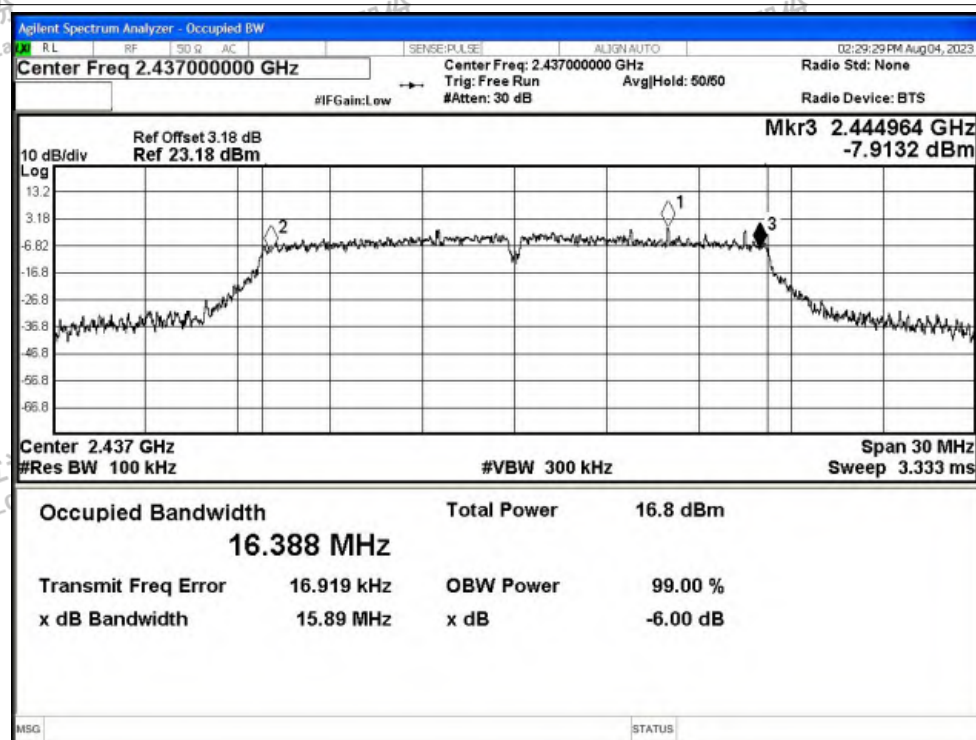
-6dB Bandwidth NVNT g 2412MHz Ant1



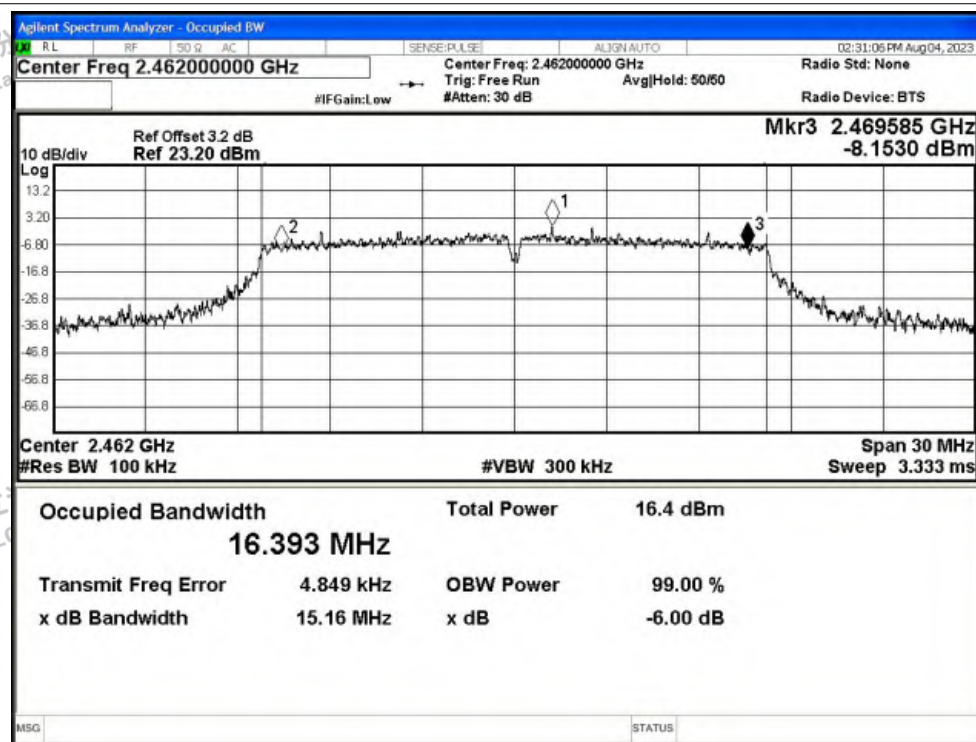




## -6dB Bandwidth NVNT g 2437MHz Ant1



## -6dB Bandwidth NVNT g 2462MHz Ant1



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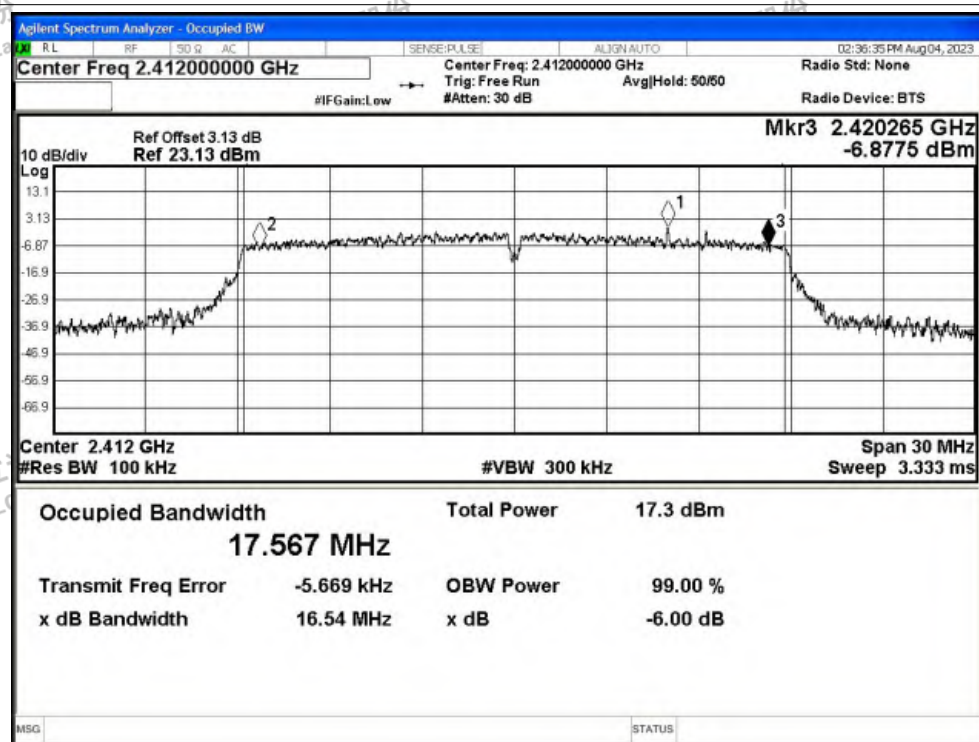
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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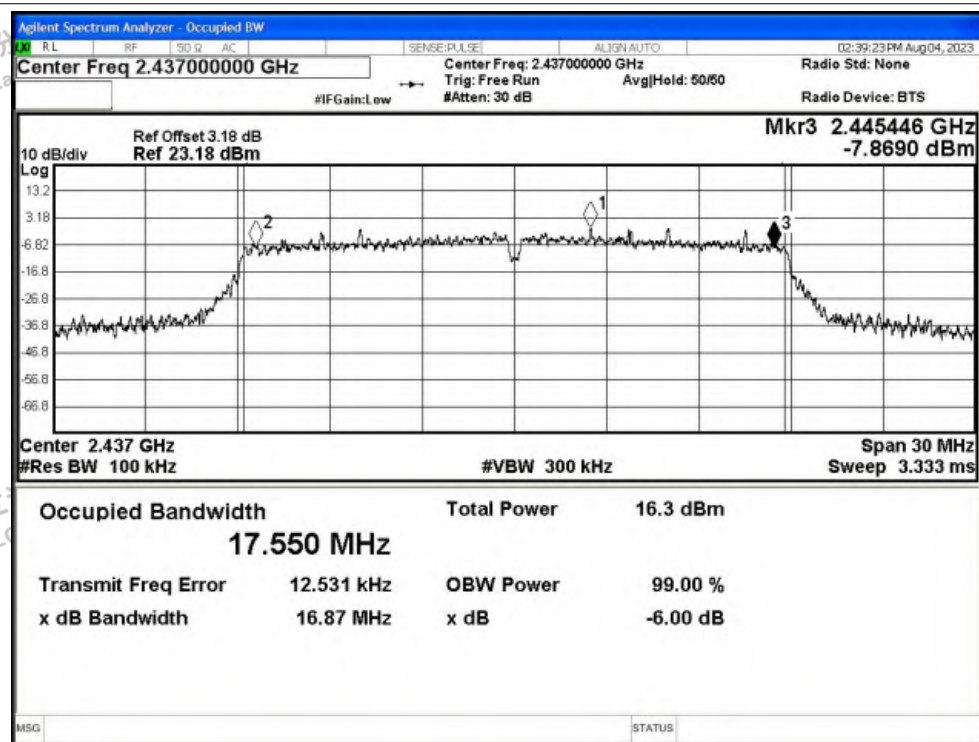
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-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



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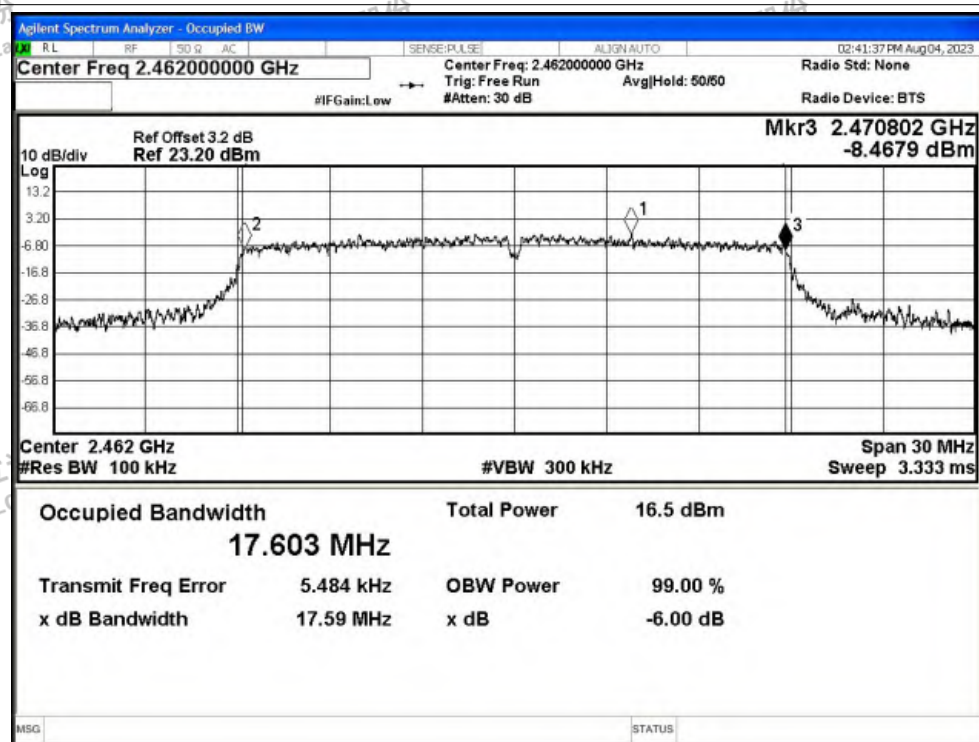
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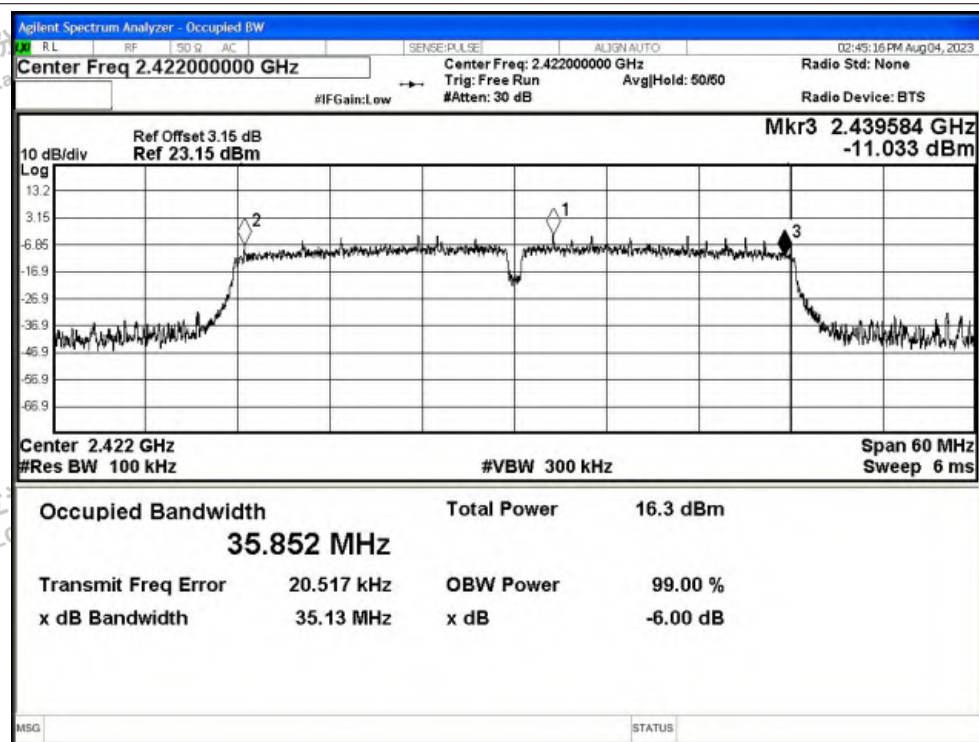
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## -6dB Bandwidth NVNT n20 2462MHz Ant1



## -6dB Bandwidth NVNT n40 2422MHz Ant1



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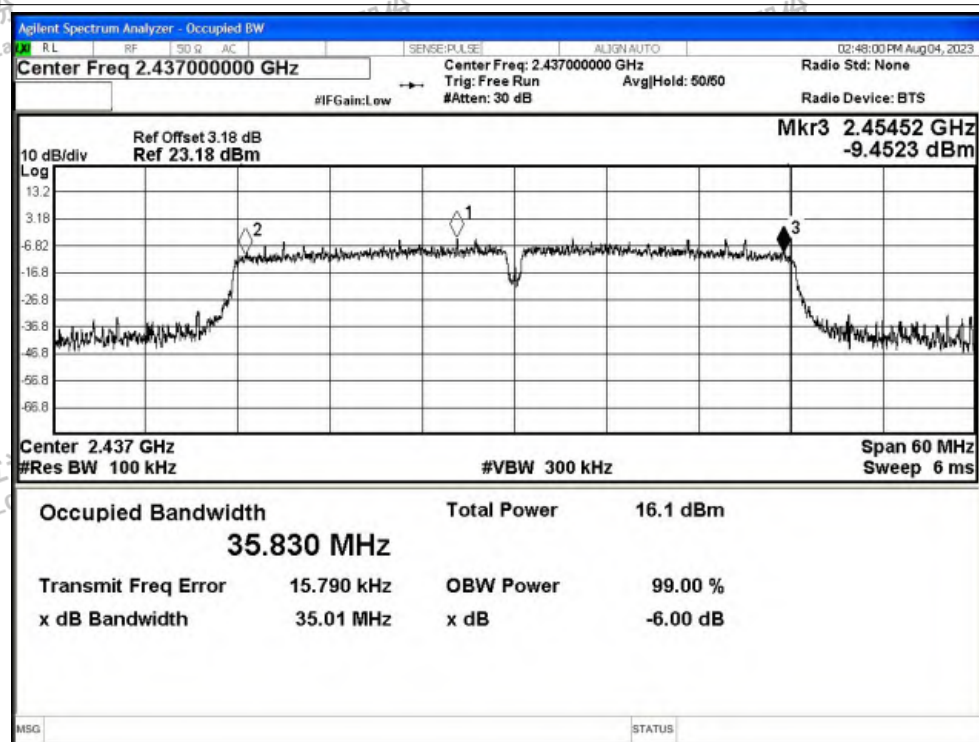
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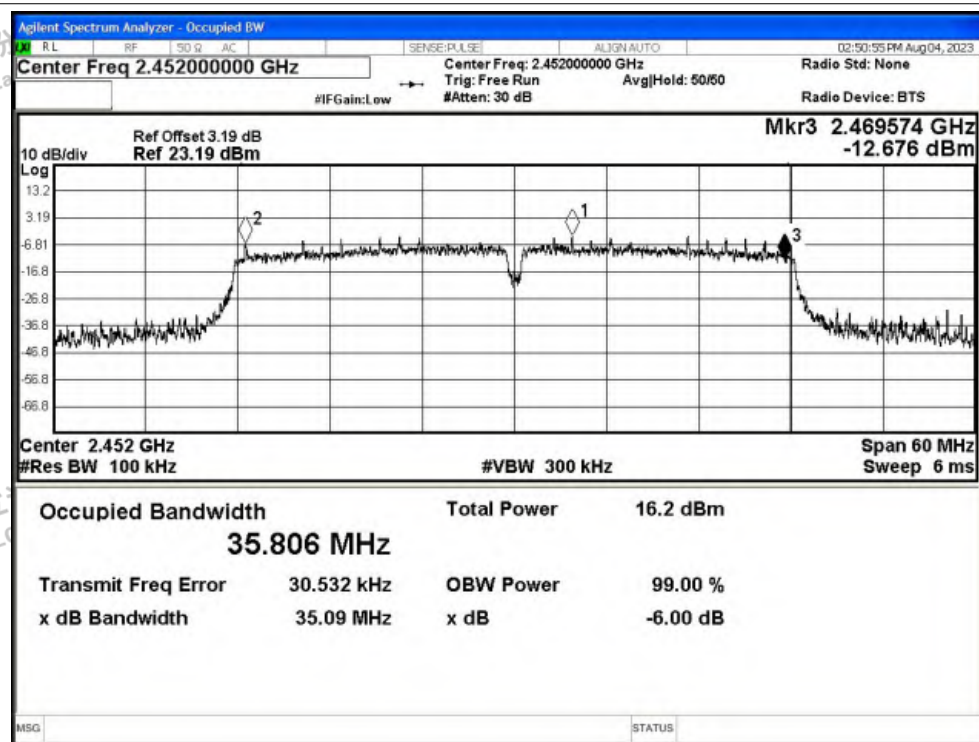




-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1



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## A.2 Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | 14.74             | 30          | Pass    |
| NVNT      | b    | 2437            | Ant1    | 14.6              | 30          | Pass    |
| NVNT      | b    | 2462            | Ant1    | 14.11             | 30          | Pass    |
| NVNT      | g    | 2412            | Ant1    | 14.5              | 30          | Pass    |
| NVNT      | g    | 2437            | Ant1    | 14.29             | 30          | Pass    |
| NVNT      | g    | 2462            | Ant1    | 13.94             | 30          | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 14.8              | 30          | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 13.81             | 30          | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 15.71             | 30          | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 13.47             | 30          | Pass    |
| NVNT      | n40  | 2437            | Ant1    | 13.32             | 30          | Pass    |
| NVNT      | n40  | 2452            | Ant1    | 13.31             | 30          | Pass    |



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### A.3 Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Total PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|------|-----------------|---------|----------------------|------------------|---------|
| NVNT      | b    | 2412            | Ant1    | -9.13                | 8                | Pass    |
| NVNT      | b    | 2437            | Ant1    | -10.79               | 8                | Pass    |
| NVNT      | b    | 2462            | Ant1    | -9.46                | 8                | Pass    |
| NVNT      | g    | 2412            | Ant1    | -13.27               | 8                | Pass    |
| NVNT      | g    | 2437            | Ant1    | -13.36               | 8                | Pass    |
| NVNT      | g    | 2462            | Ant1    | -13.09               | 8                | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -13.15               | 8                | Pass    |
| NVNT      | n20  | 2437            | Ant1    | -14.52               | 8                | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -12.8                | 8                | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -17.97               | 8                | Pass    |
| NVNT      | n40  | 2437            | Ant1    | -17.33               | 8                | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -17.33               | 8                | Pass    |



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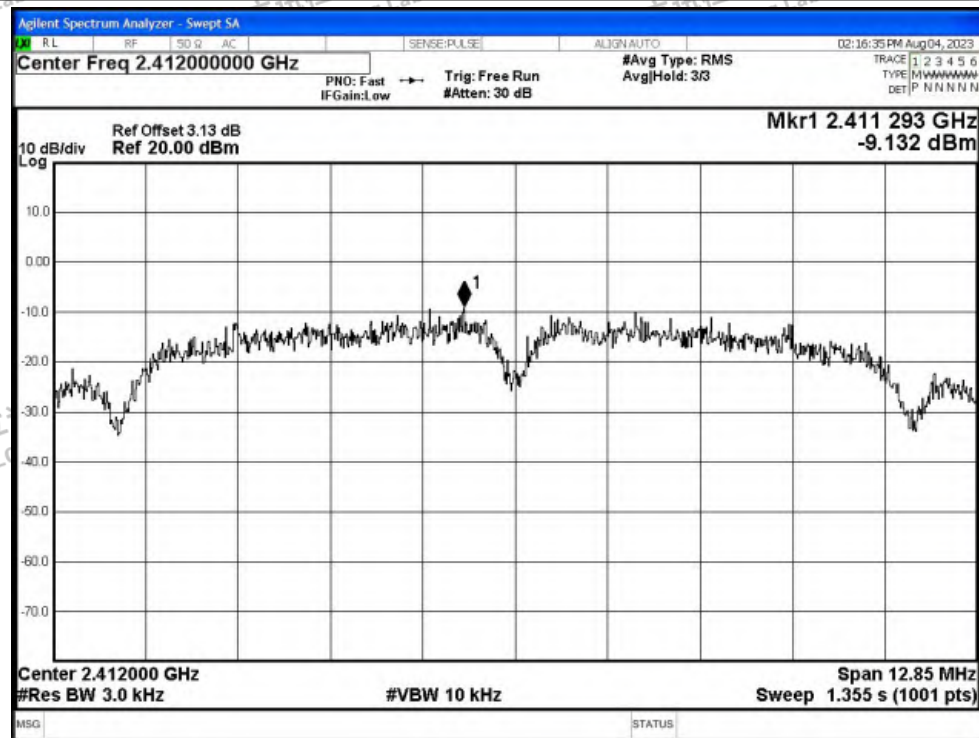
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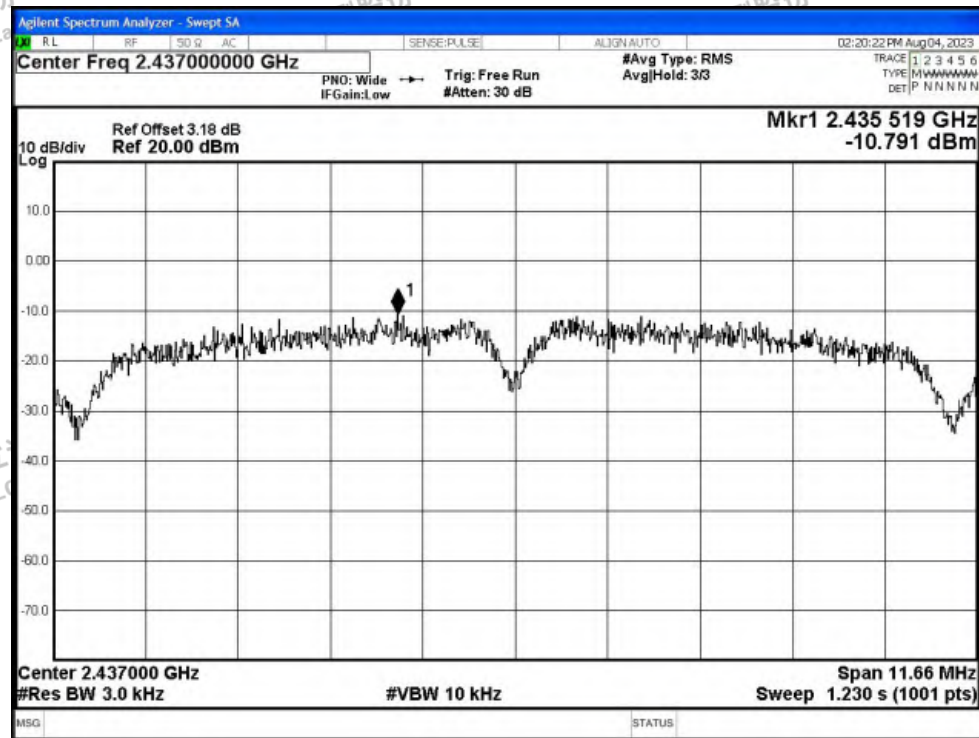


## Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



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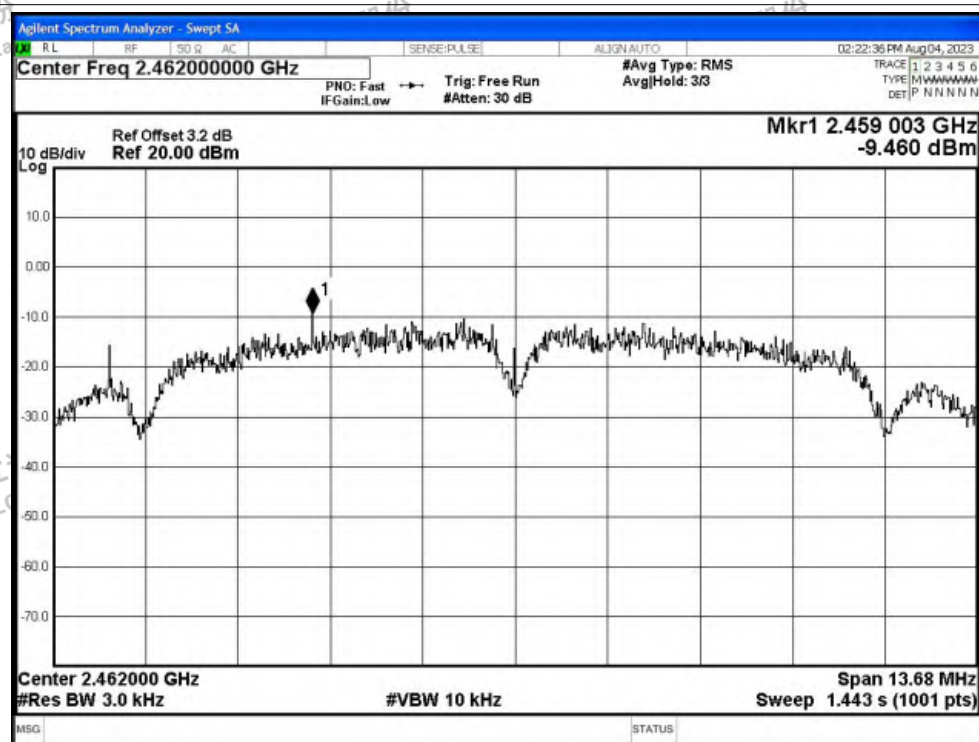
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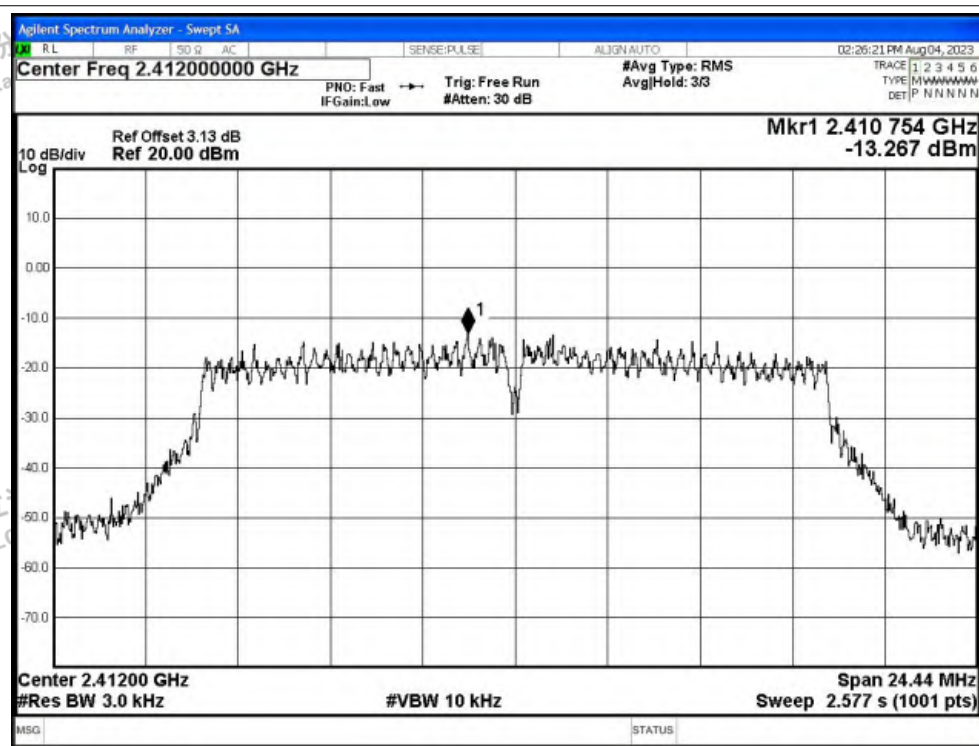
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PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1



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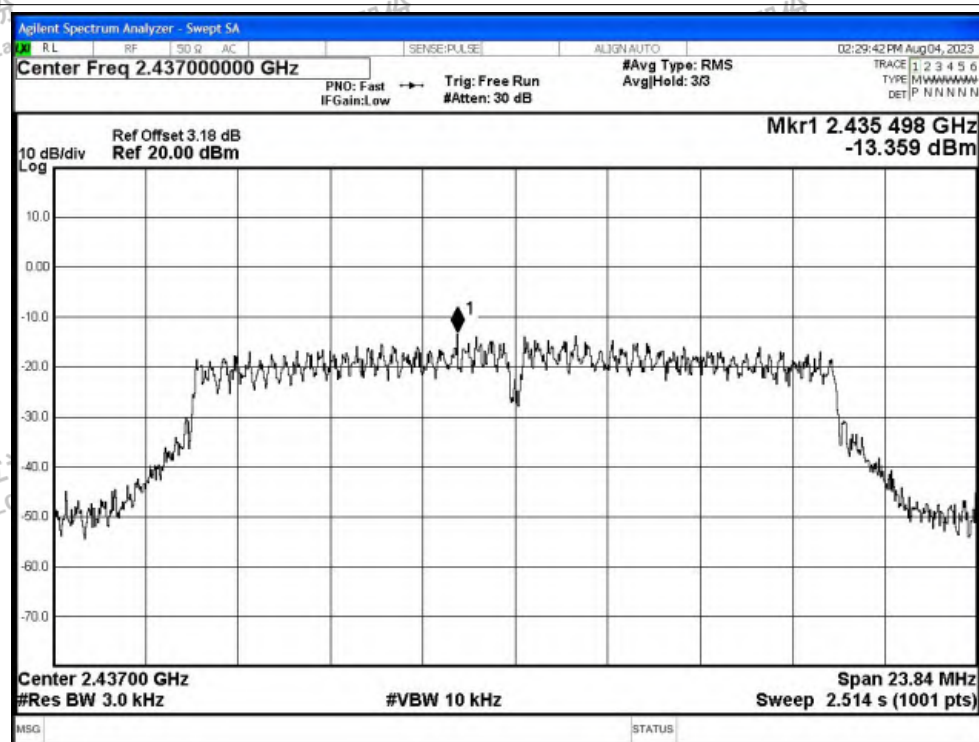
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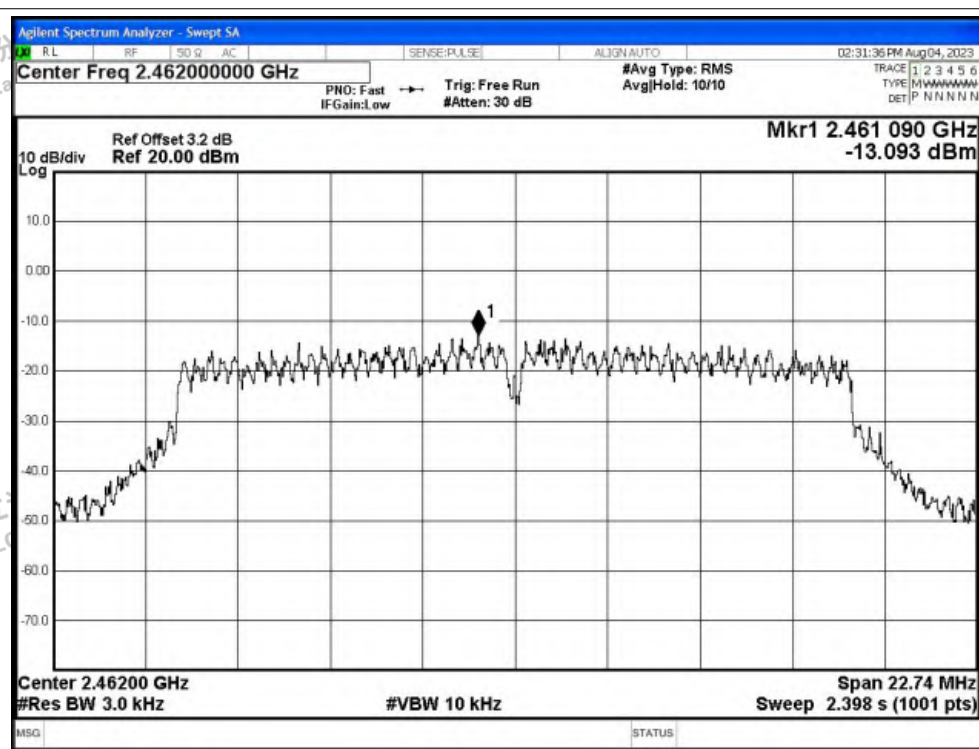




PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1



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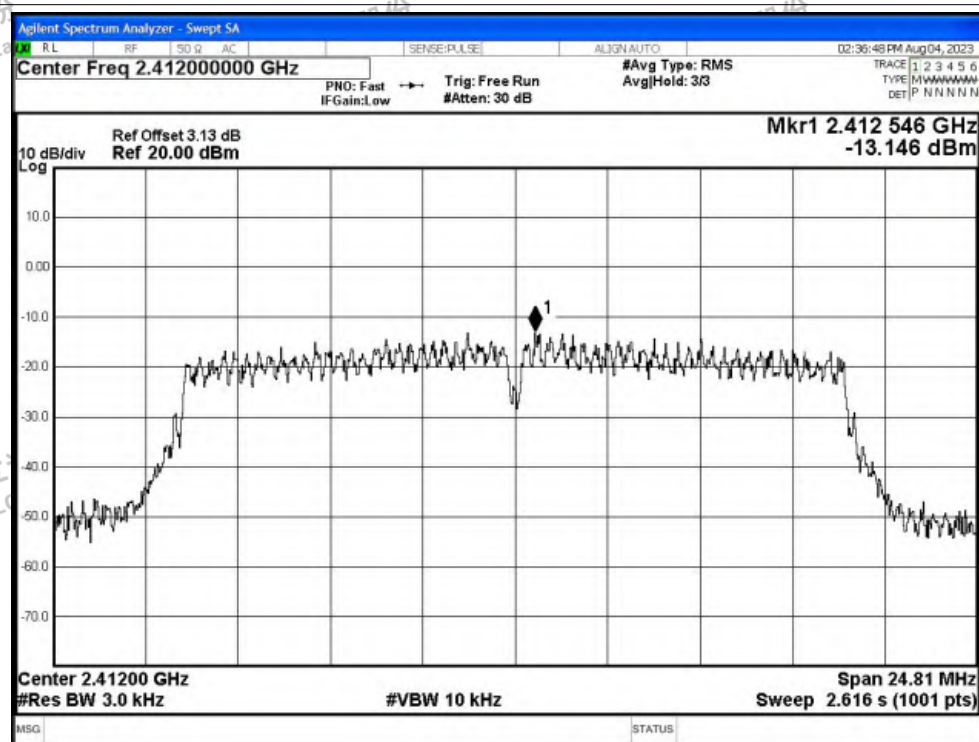
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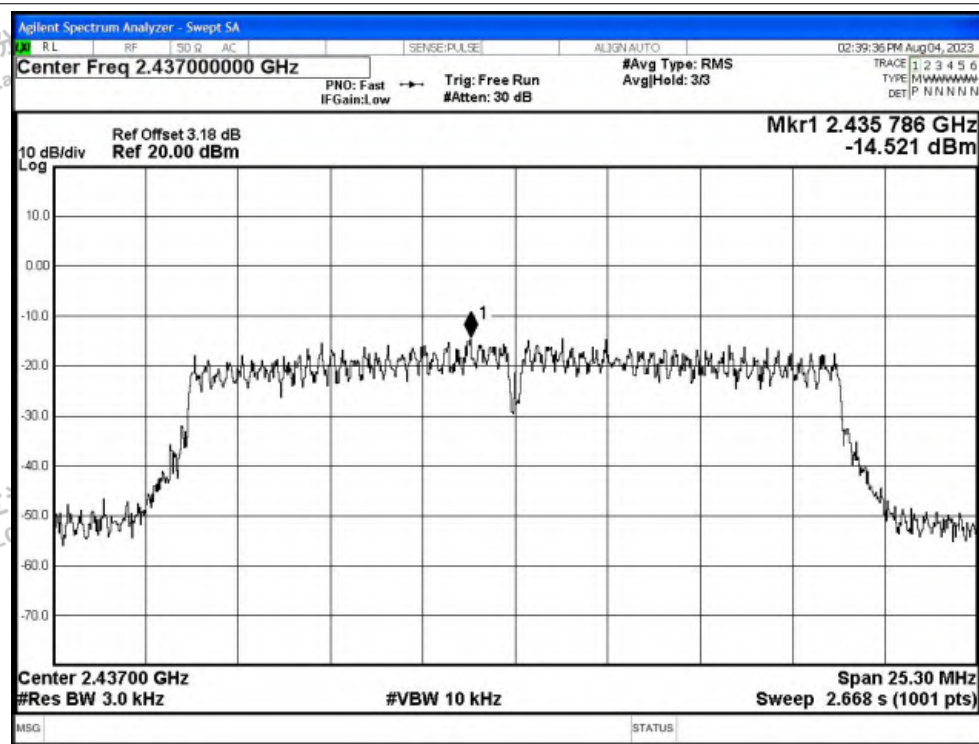
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PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



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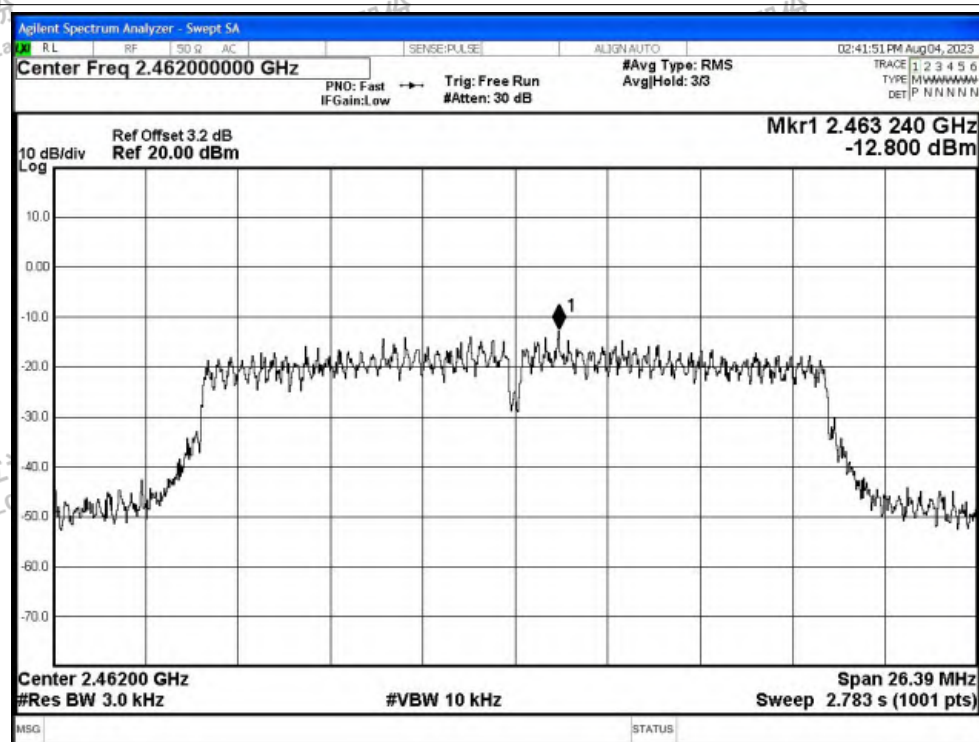
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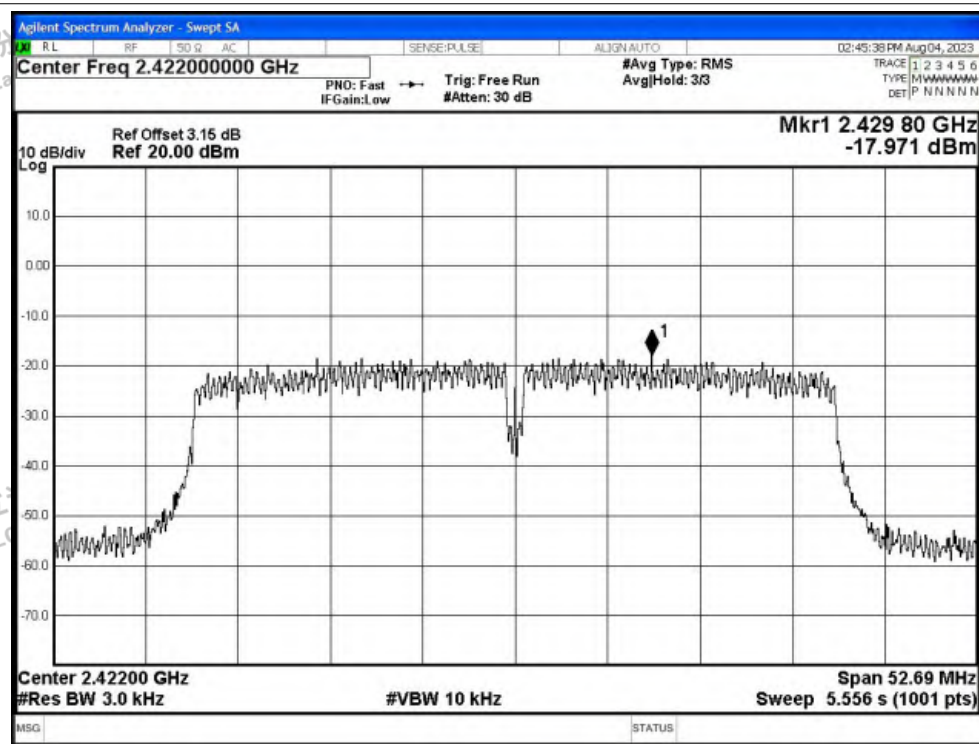
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PSD NVNT n20 2462MHz Ant1



PSD NVNT n40 2422MHz Ant1



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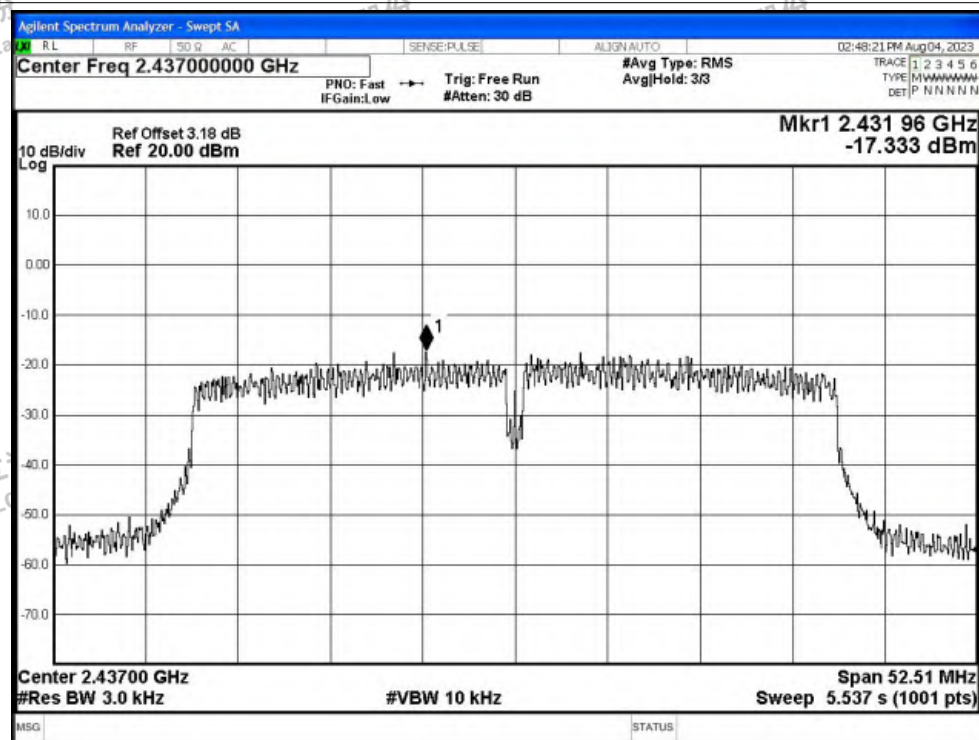
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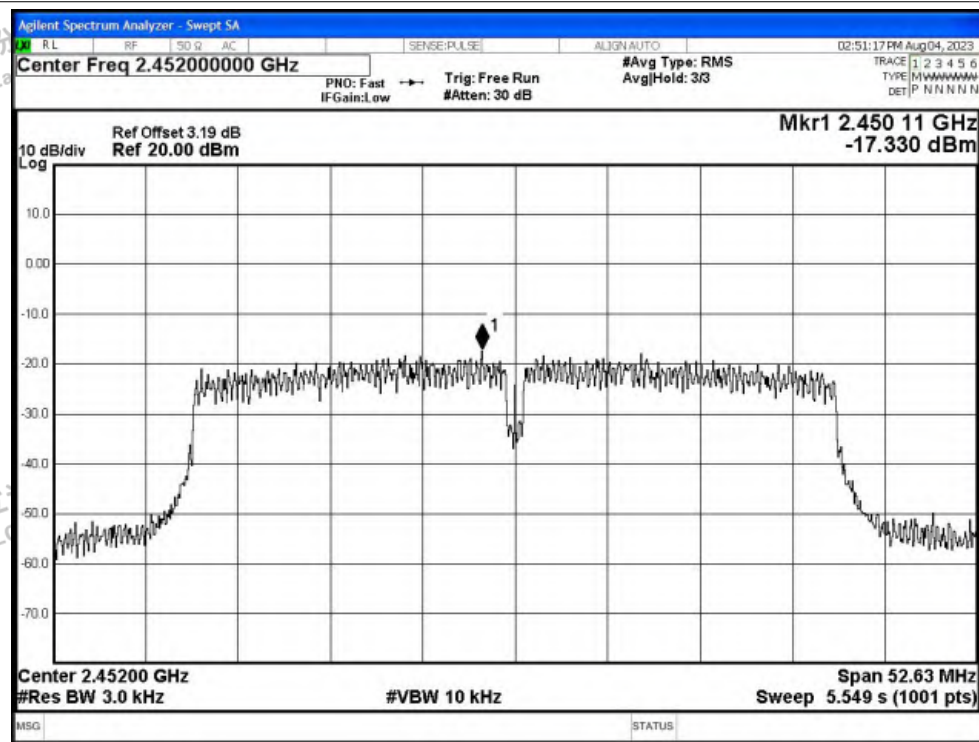
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PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1



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## A.4 Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | -46.85          | -20         | Pass    |
| NVNT      | b    | 2462            | Ant1    | -59.15          | -20         | Pass    |
| NVNT      | g    | 2412            | Ant1    | -35.62          | -20         | Pass    |
| NVNT      | g    | 2462            | Ant1    | -45.13          | -20         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -34.35          | -20         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -42.13          | -20         | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -34.42          | -20         | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -33.6           | -20         | Pass    |



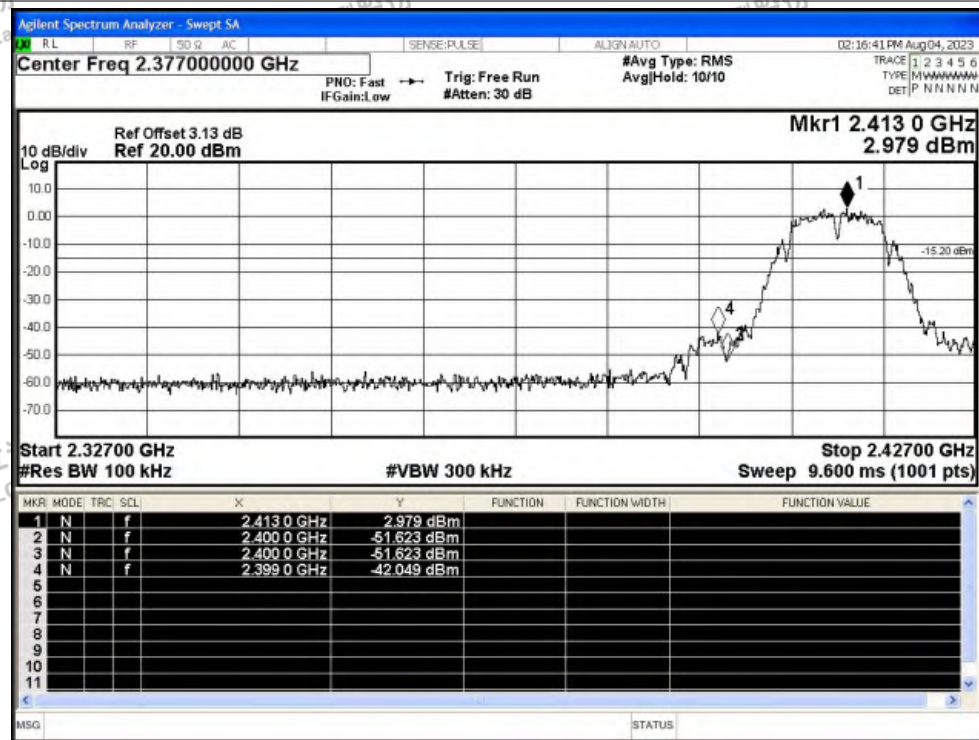


## Test Graphs

## Band Edge NVNT b 2412MHz Ant1 Ref



## Band Edge NVNT b 2412MHz Ant1 Emission



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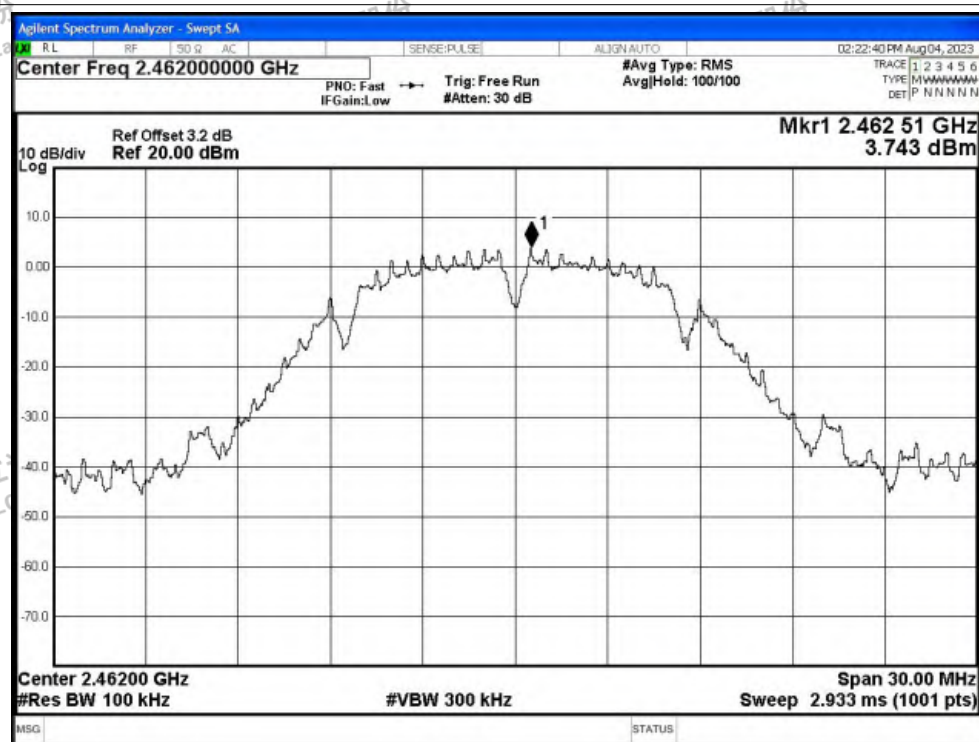
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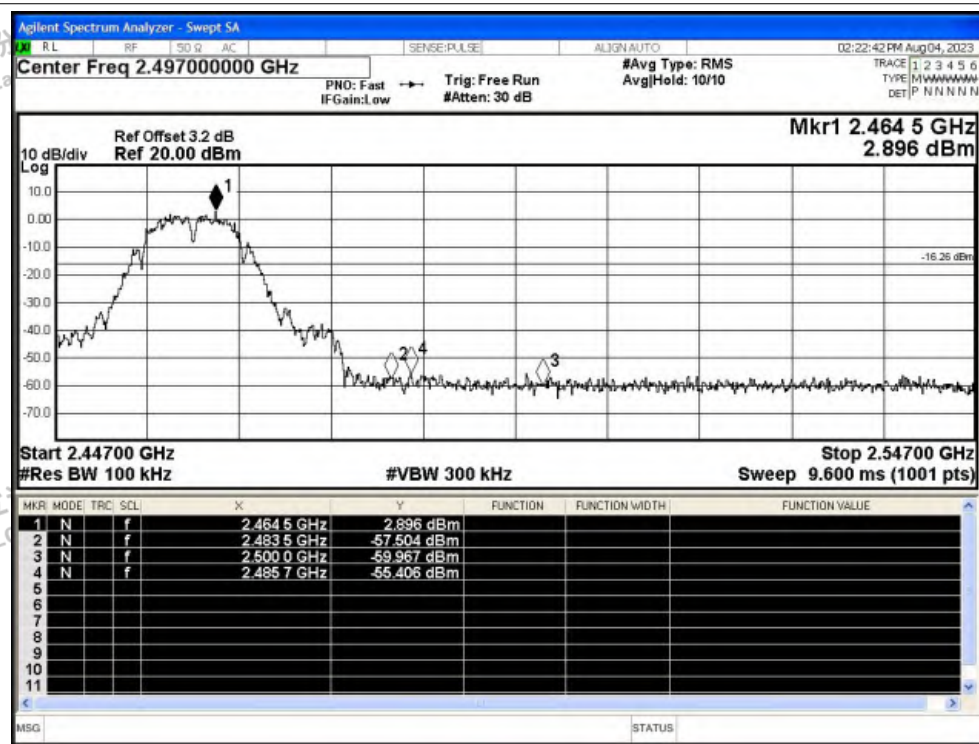
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Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



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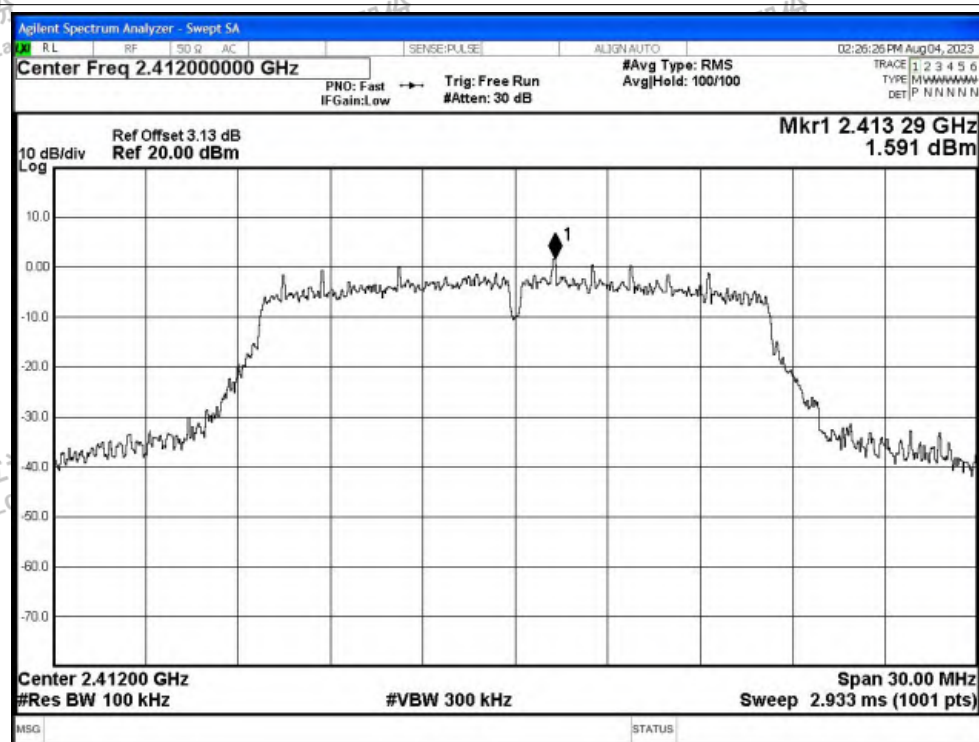
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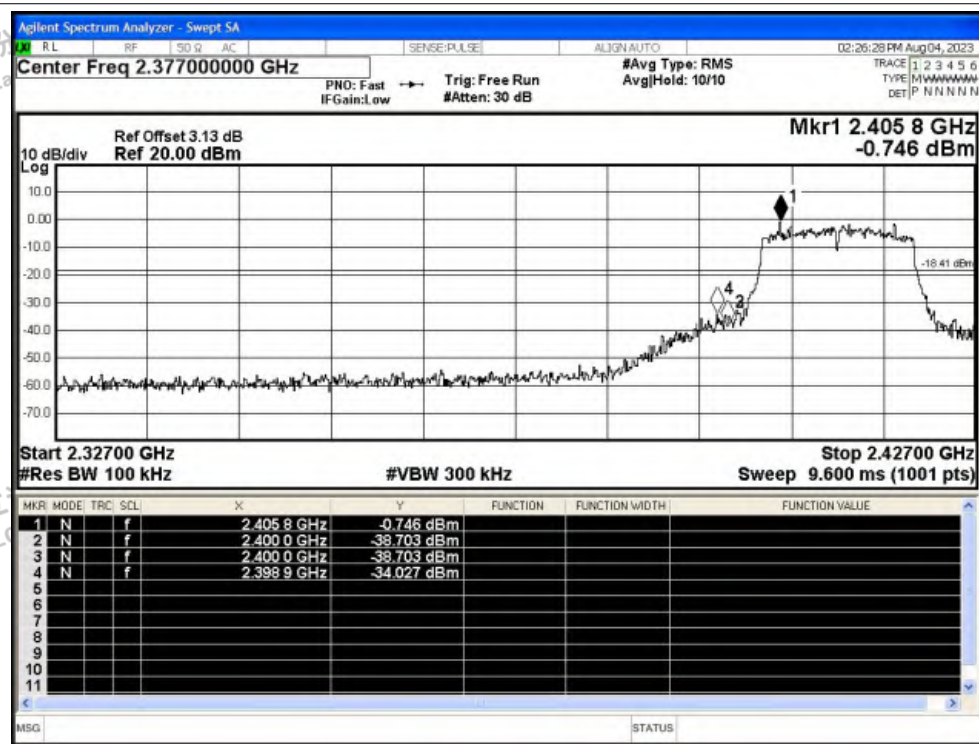
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## Band Edge NVNT g 2412MHz Ant1 Ref



## Band Edge NVNT g 2412MHz Ant1 Emission



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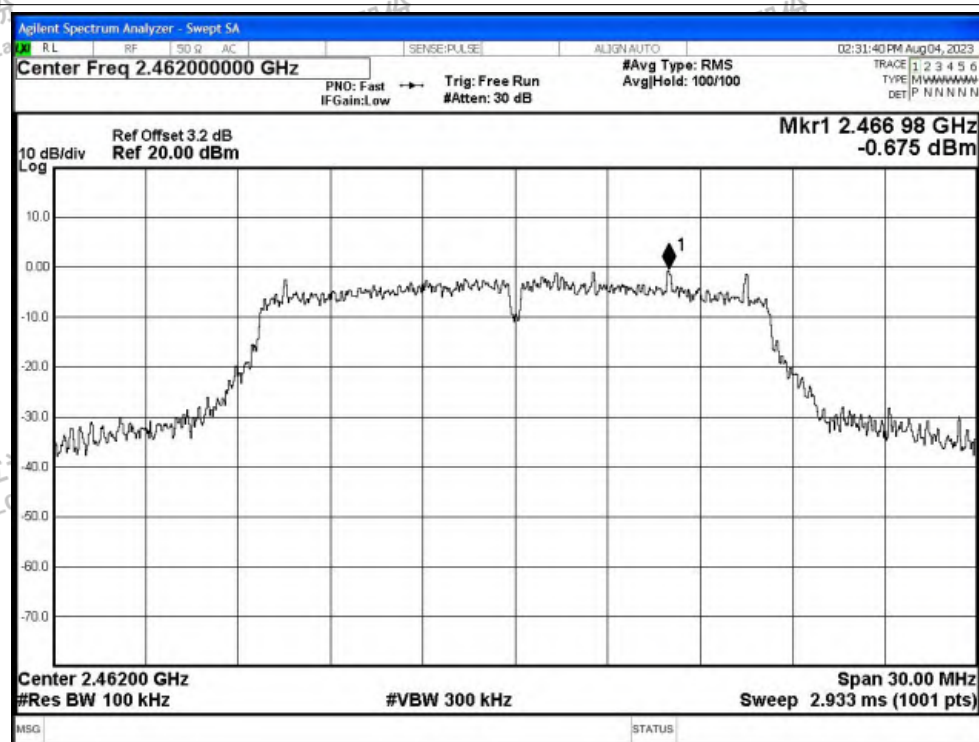
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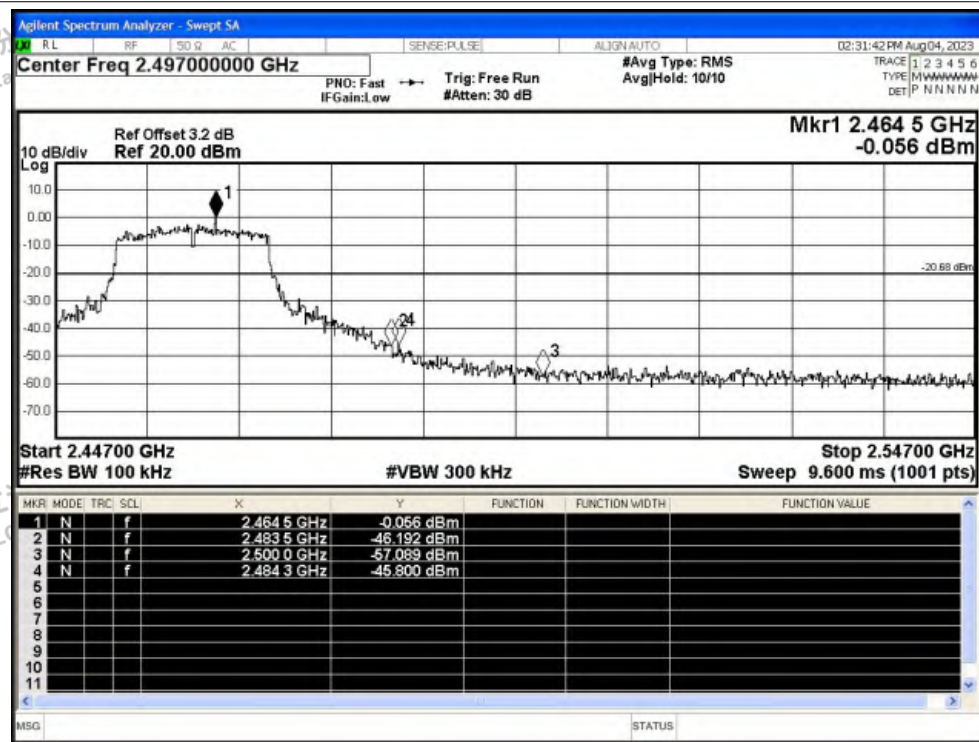




## Band Edge NVNT g 2462MHz Ant1 Ref



## Band Edge NVNT g 2462MHz Ant1 Emission



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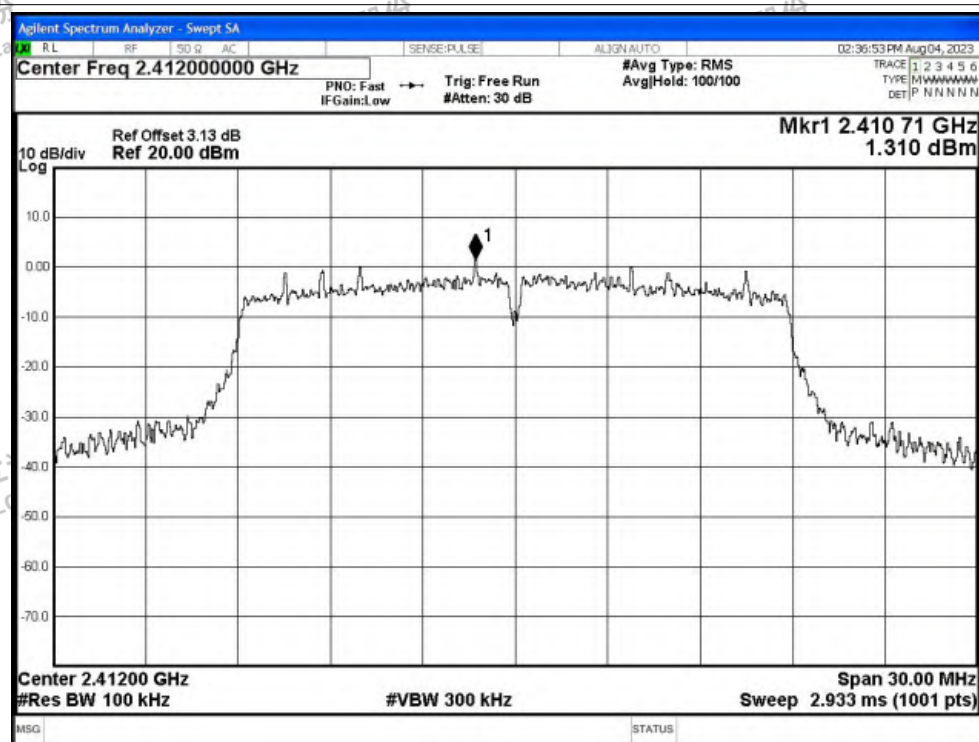
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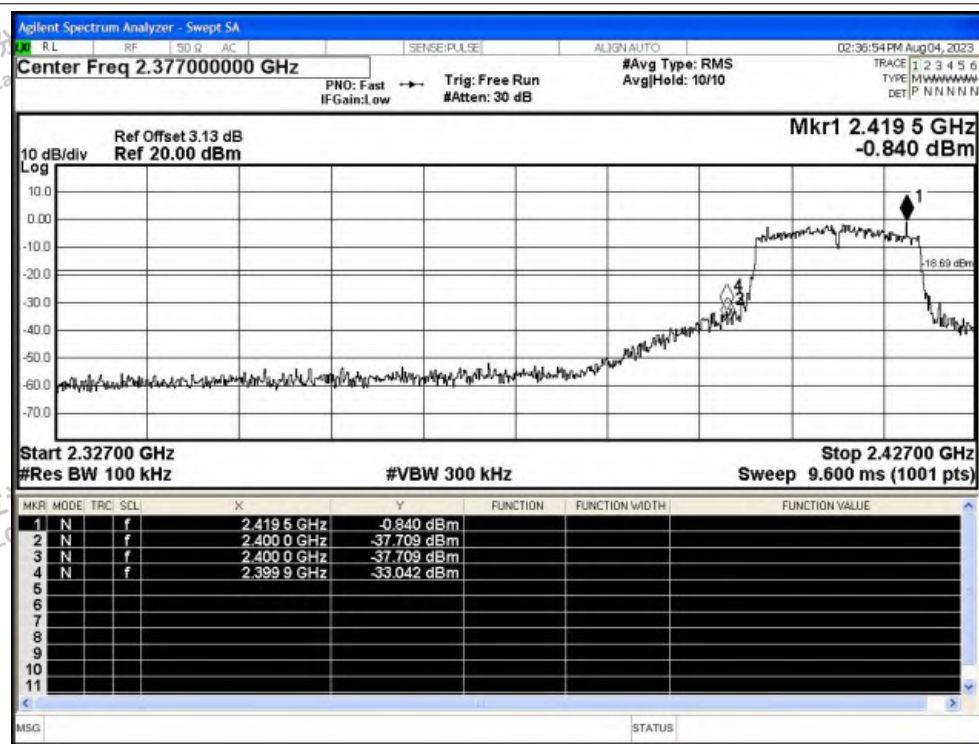
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## Band Edge NVNT n20 2412MHz Ant1 Ref



## Band Edge NVNT n20 2412MHz Ant1 Emission



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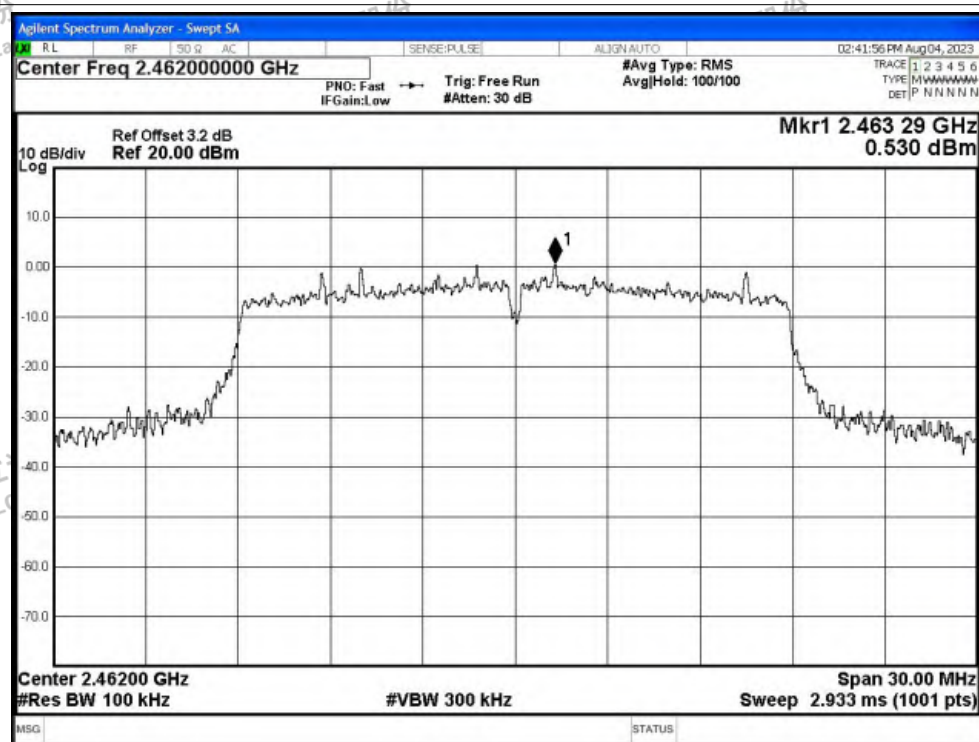
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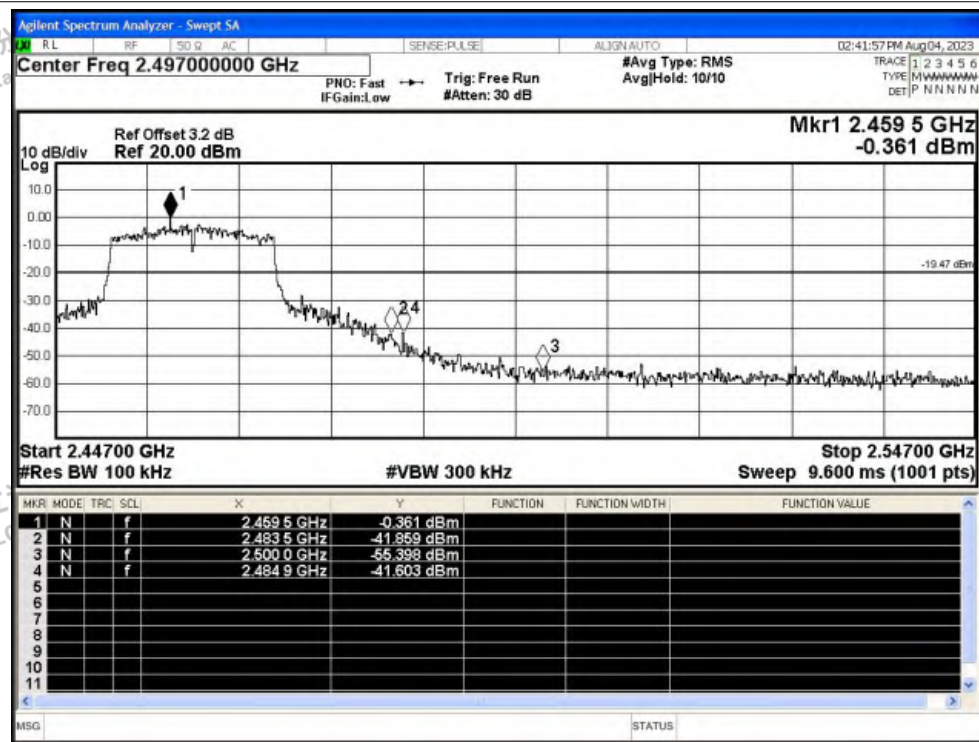
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Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission



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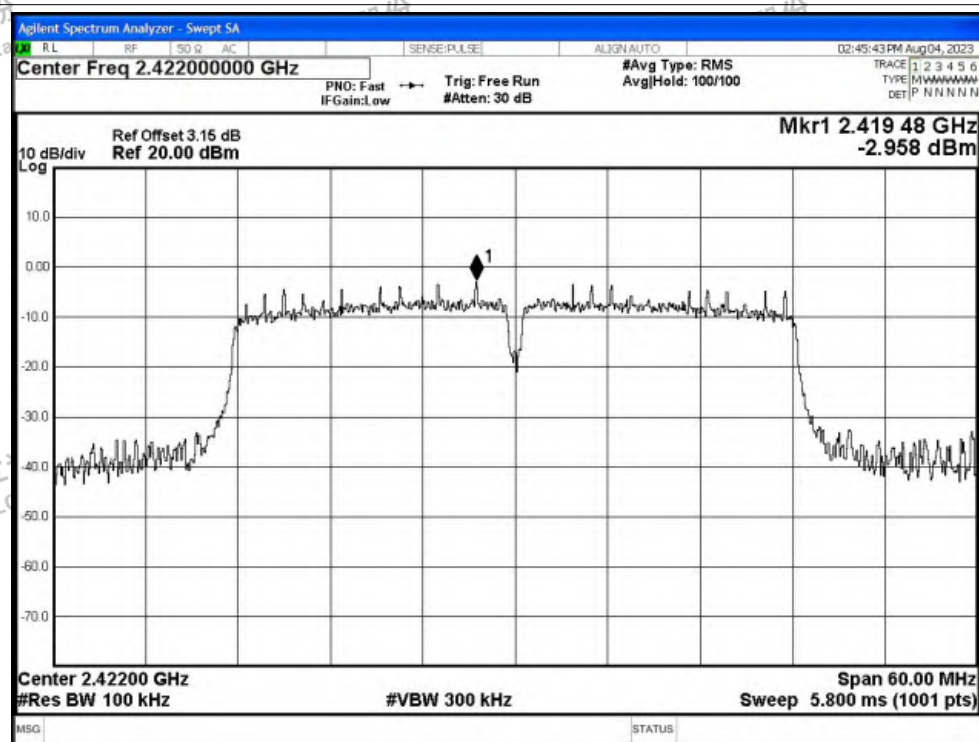
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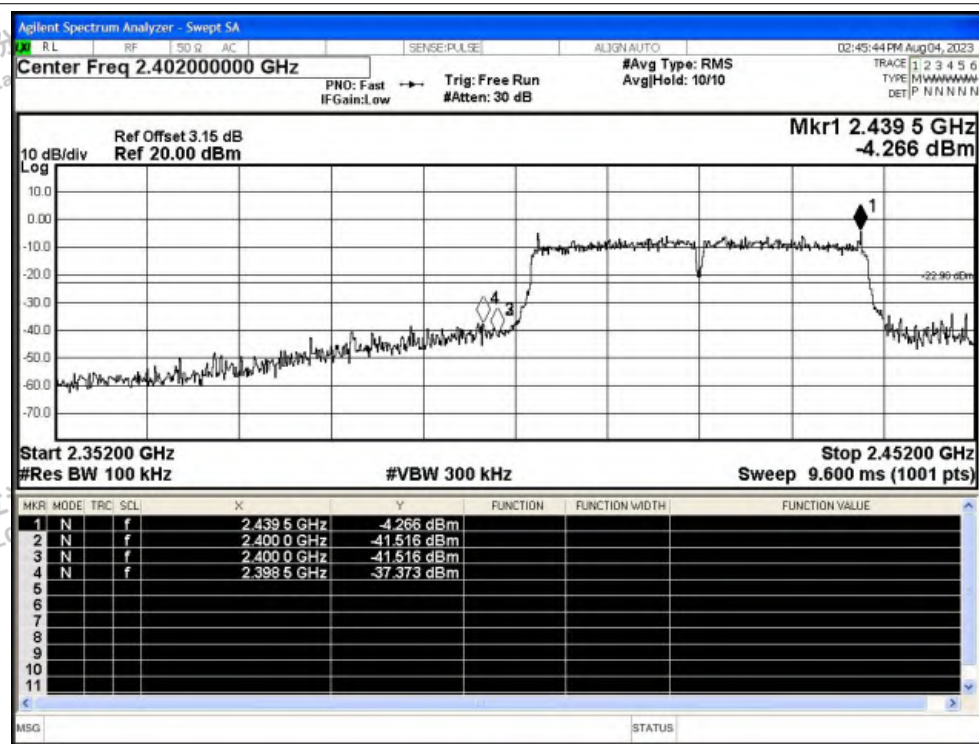




## Band Edge NVNT n40 2422MHz Ant1 Ref



## Band Edge NVNT n40 2422MHz Ant1 Emission



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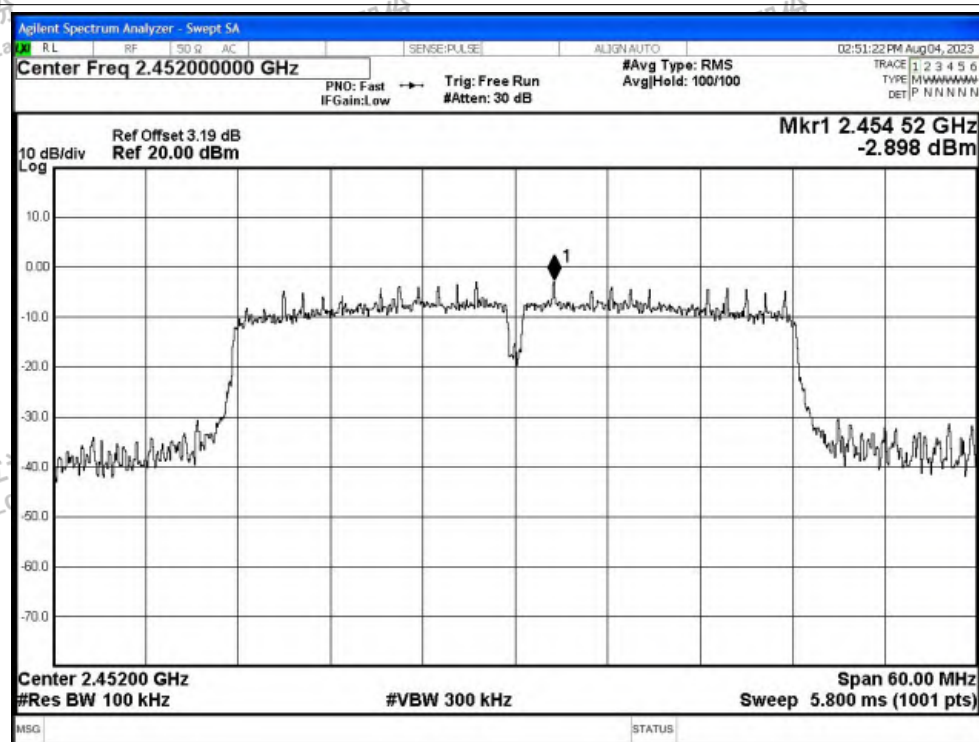
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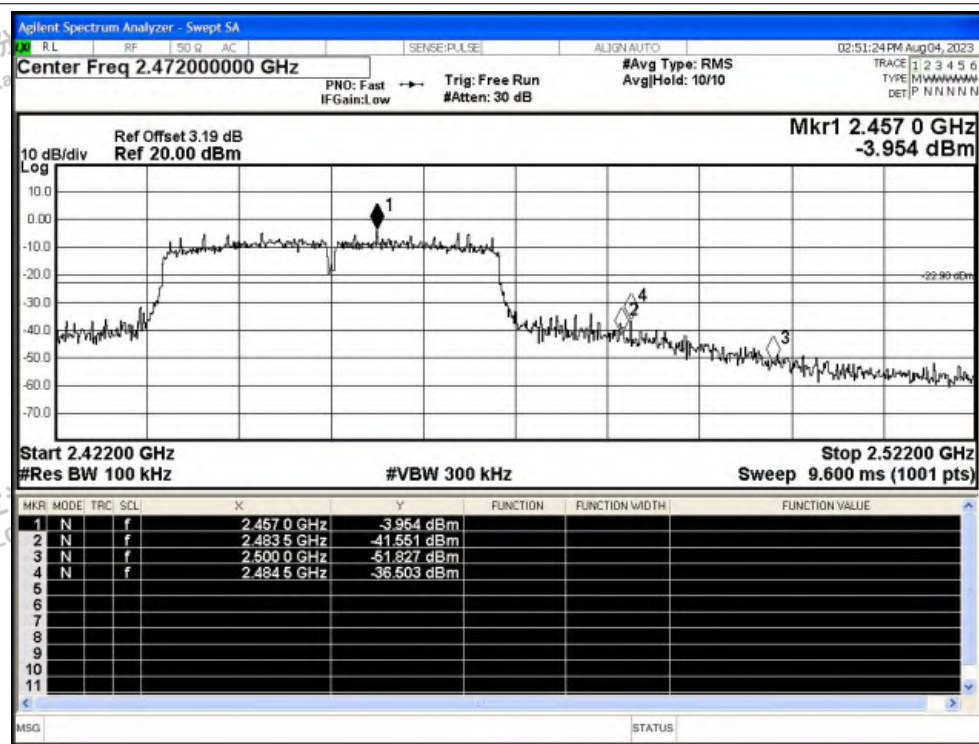




## Band Edge NVNT n40 2452MHz Ant1 Ref



## Band Edge NVNT n40 2452MHz Ant1 Emission



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## A.5 Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | -49.06          | -20         | Pass    |
| NVNT      | b    | 2437            | Ant1    | -48.8           | -20         | Pass    |
| NVNT      | b    | 2462            | Ant1    | -47.46          | -20         | Pass    |
| NVNT      | g    | 2412            | Ant1    | -44.81          | -20         | Pass    |
| NVNT      | g    | 2437            | Ant1    | -44.02          | -20         | Pass    |
| NVNT      | g    | 2462            | Ant1    | -44.22          | -20         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -45.02          | -20         | Pass    |
| NVNT      | n20  | 2437            | Ant1    | -43.69          | -20         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -45.78          | -20         | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -41.3           | -20         | Pass    |
| NVNT      | n40  | 2437            | Ant1    | -41.46          | -20         | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -41.96          | -20         | Pass    |



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Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

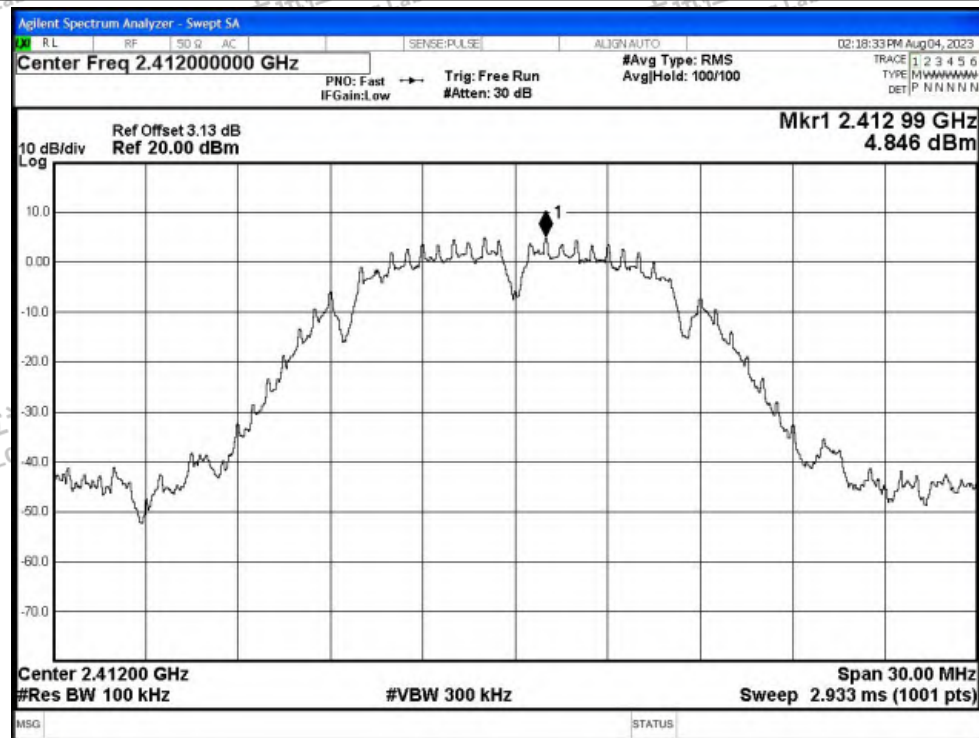
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

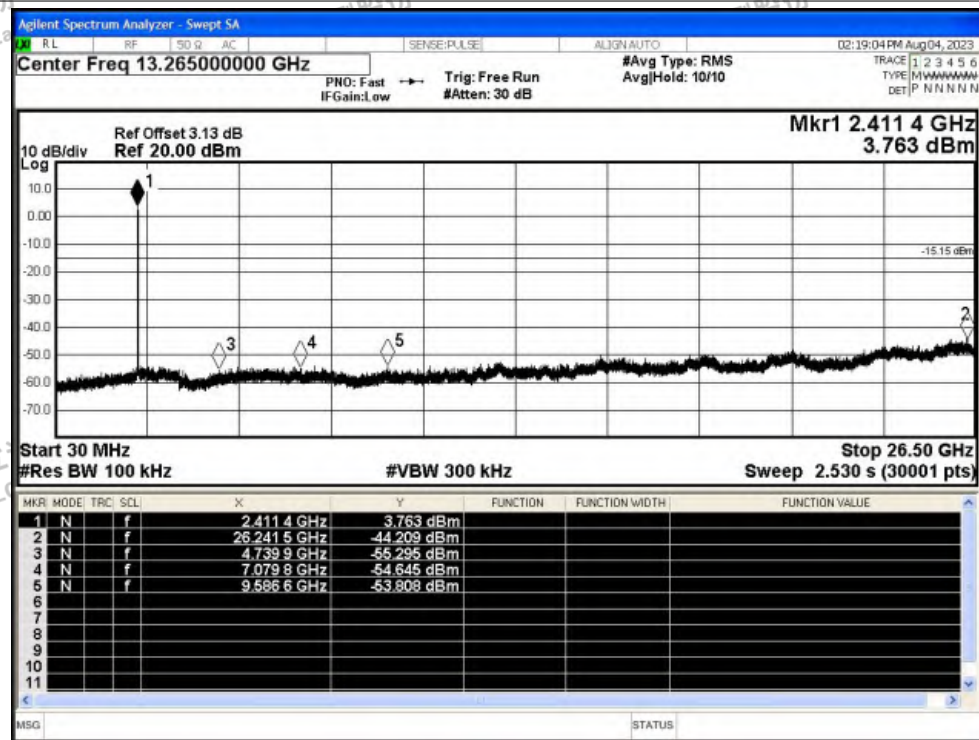


## Test Graphs

Tx: Spurious NVNT b 2412MHz Ant1 Ref



Tx: Spurious NVNT b 2412MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

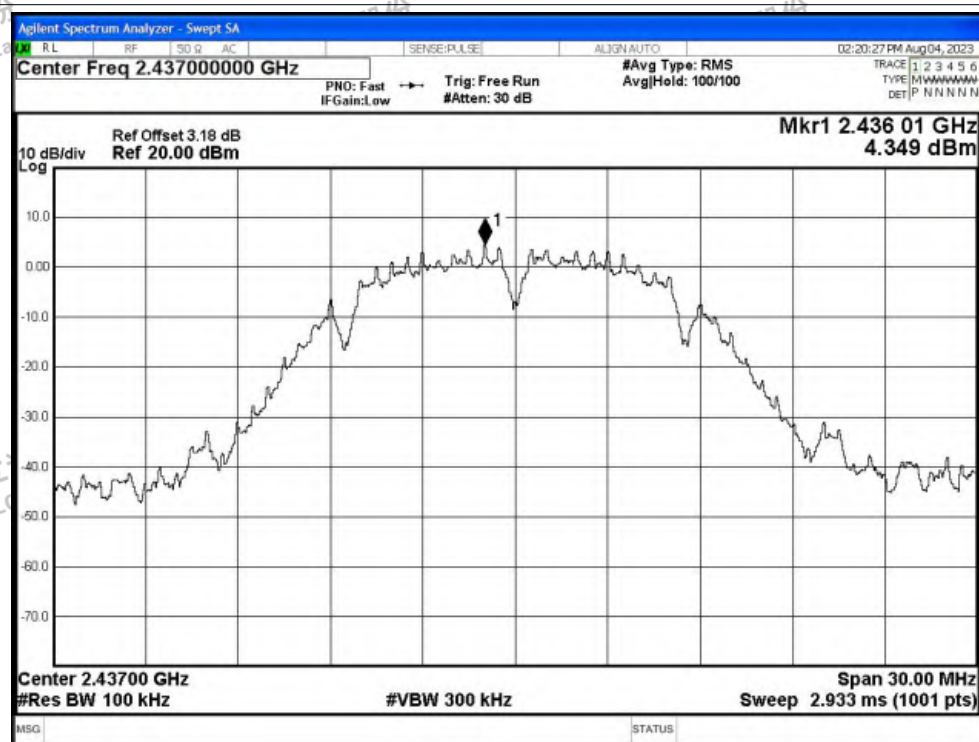
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

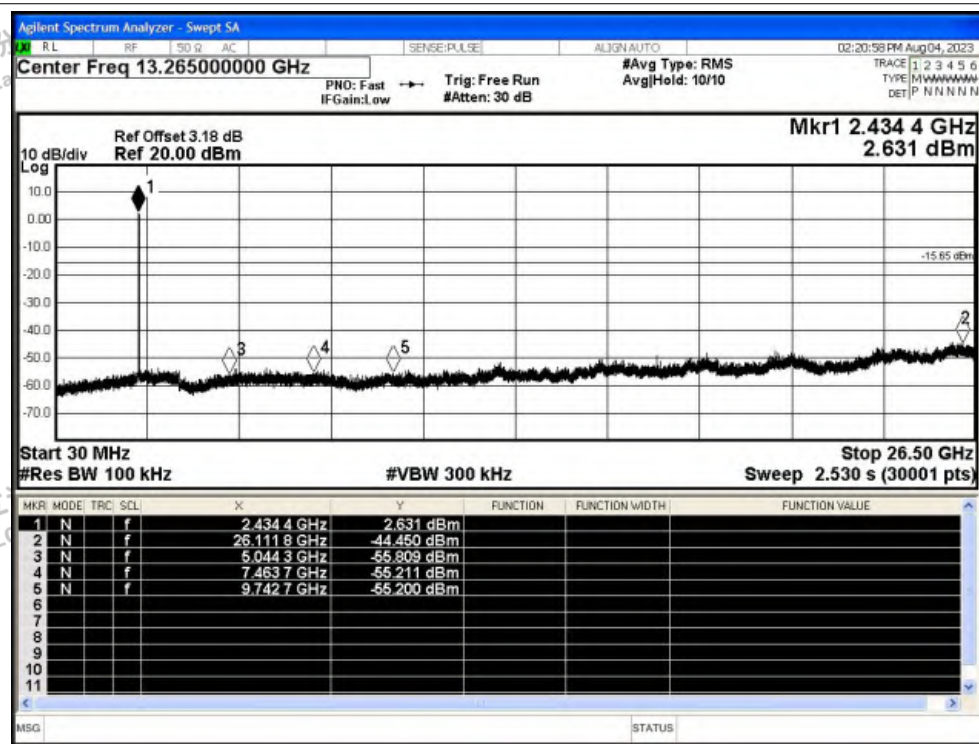
Scan code to check authenticity



## Tx. Spurious NVNT b 2437MHz Ant1 Ref



## Tx. Spurious NVNT b 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

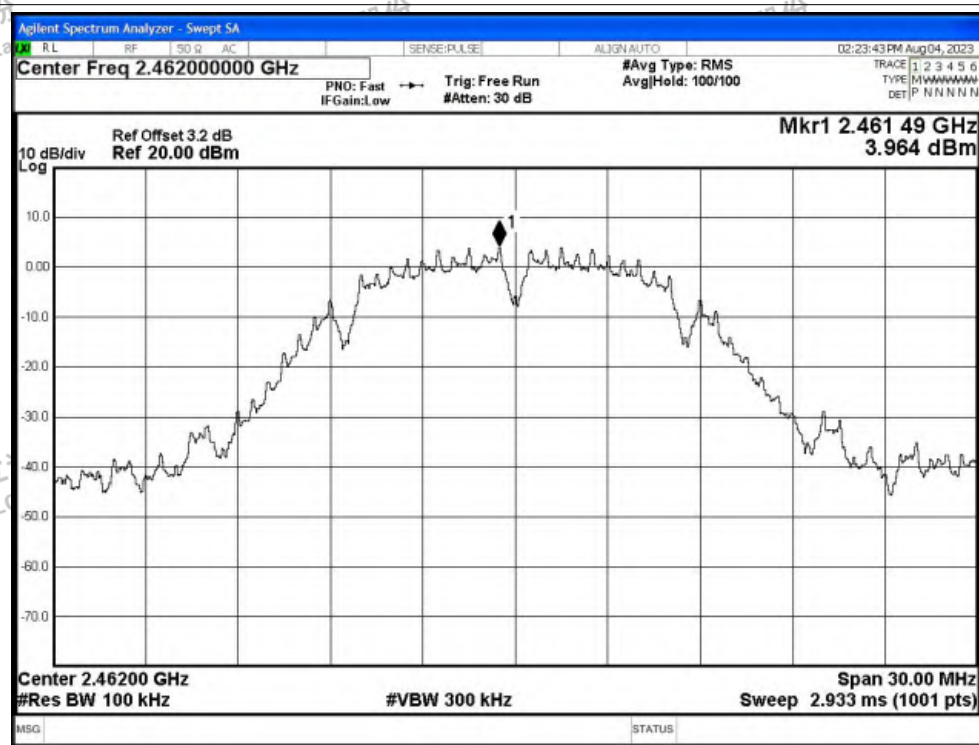
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

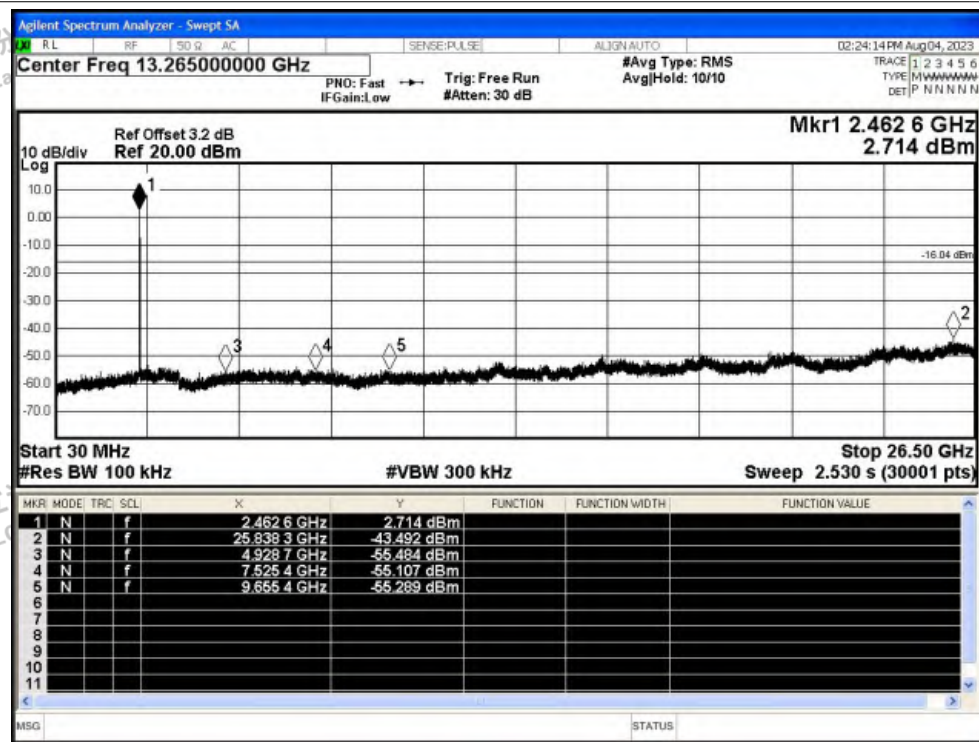




## Tx. Spurious NVNT b 2462MHz Ant1 Ref



## Tx. Spurious NVNT b 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

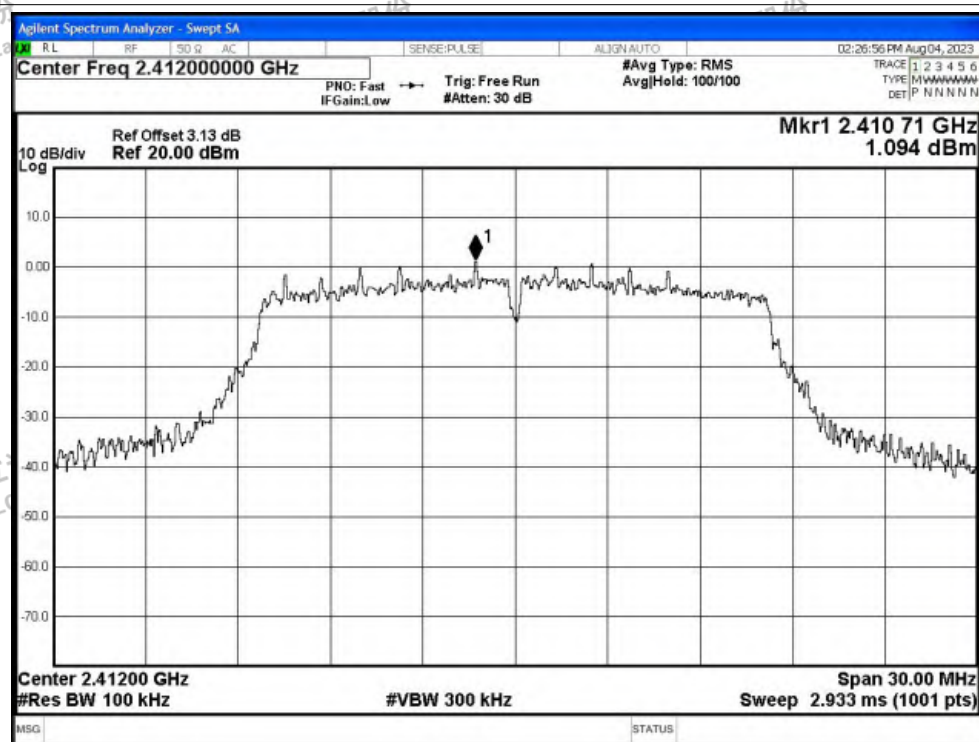
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

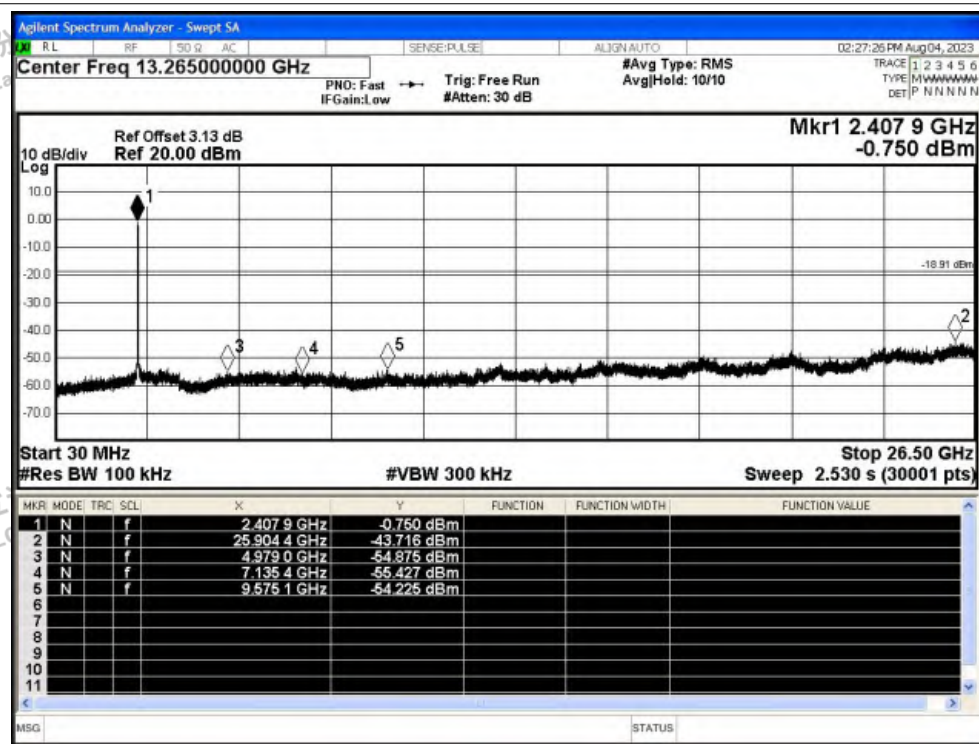
Scan code to check authenticity



Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

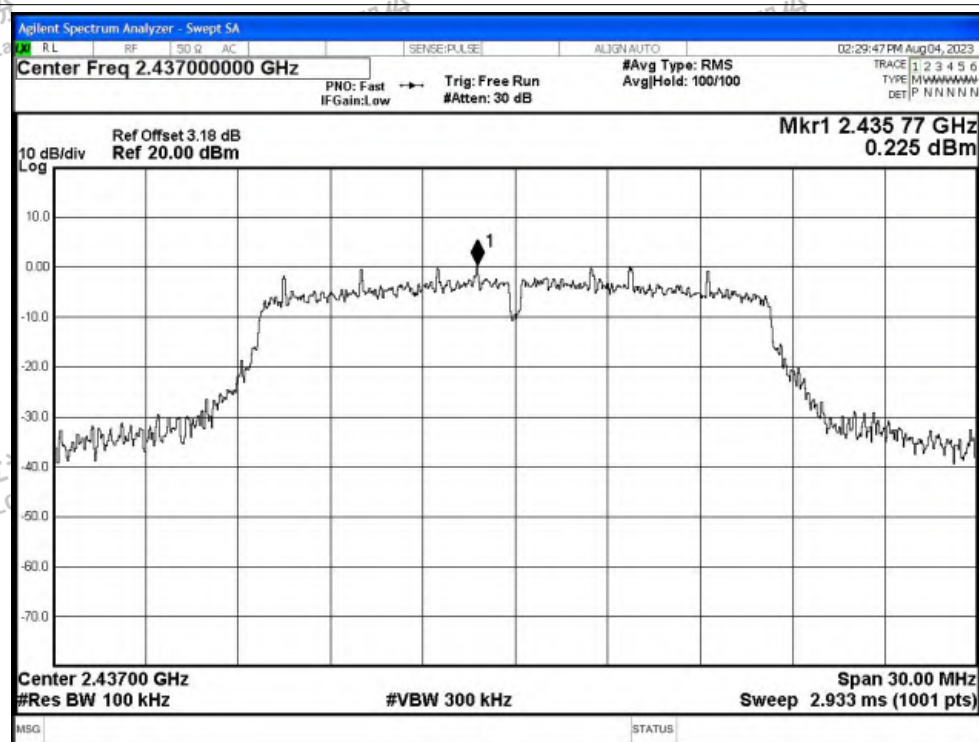
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

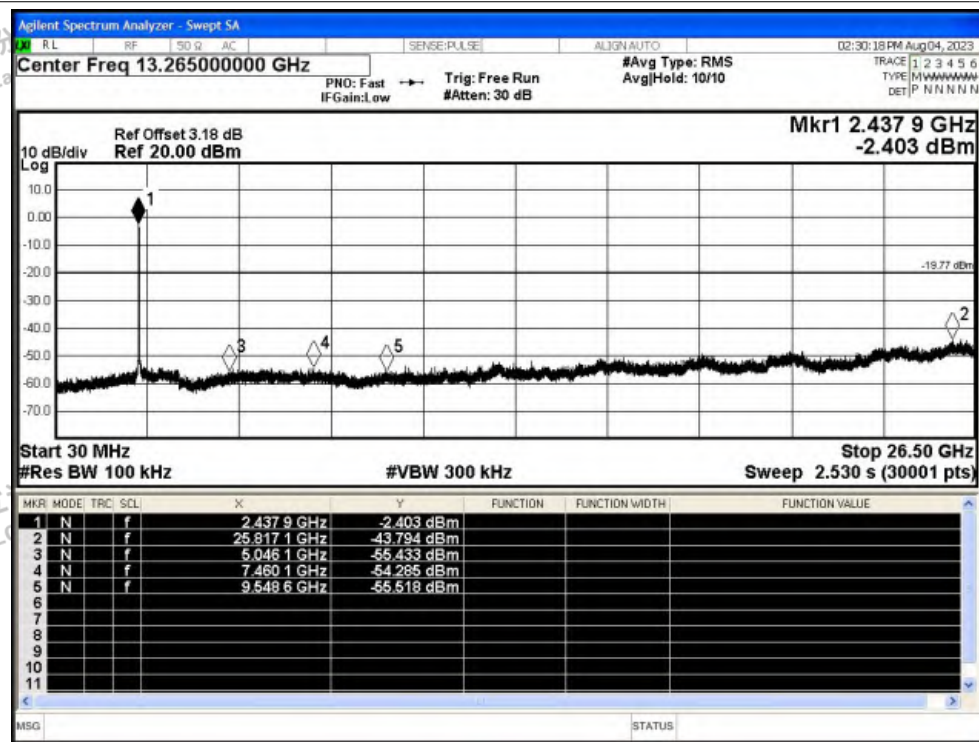
Scan code to check authenticity



## Tx. Spurious NVNT g 2437MHz Ant1 Ref



## Tx. Spurious NVNT g 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

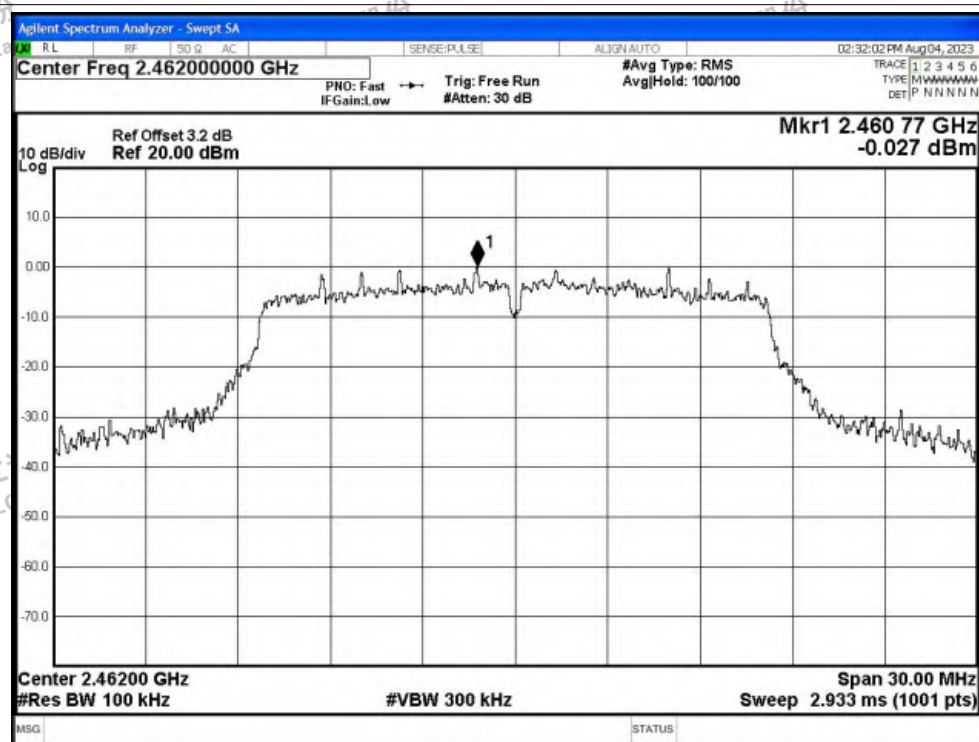
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

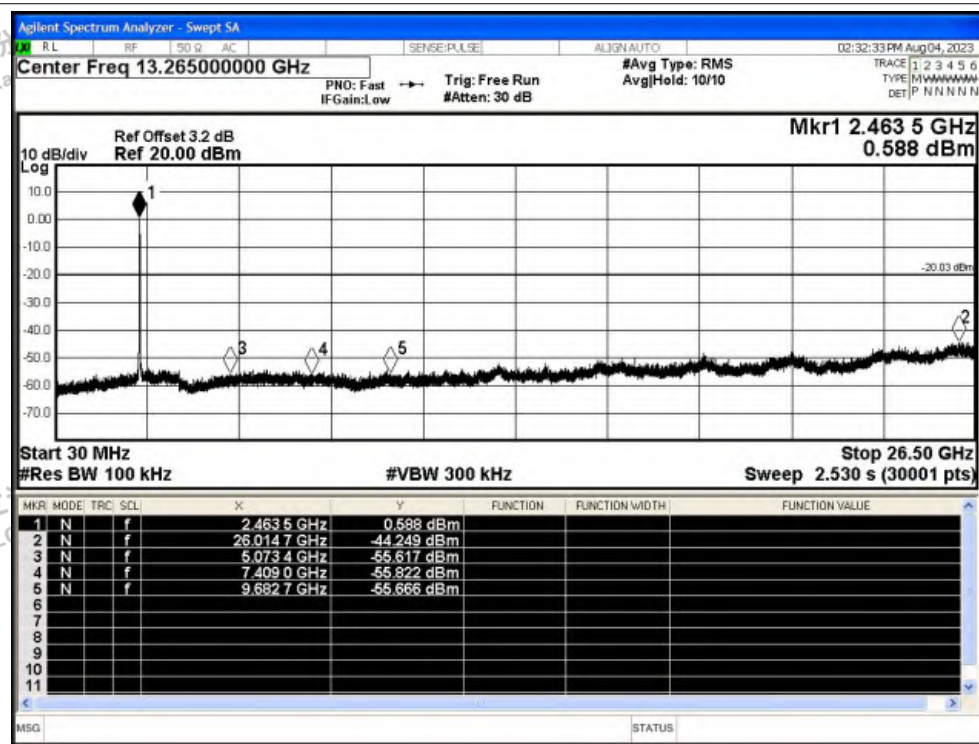




Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

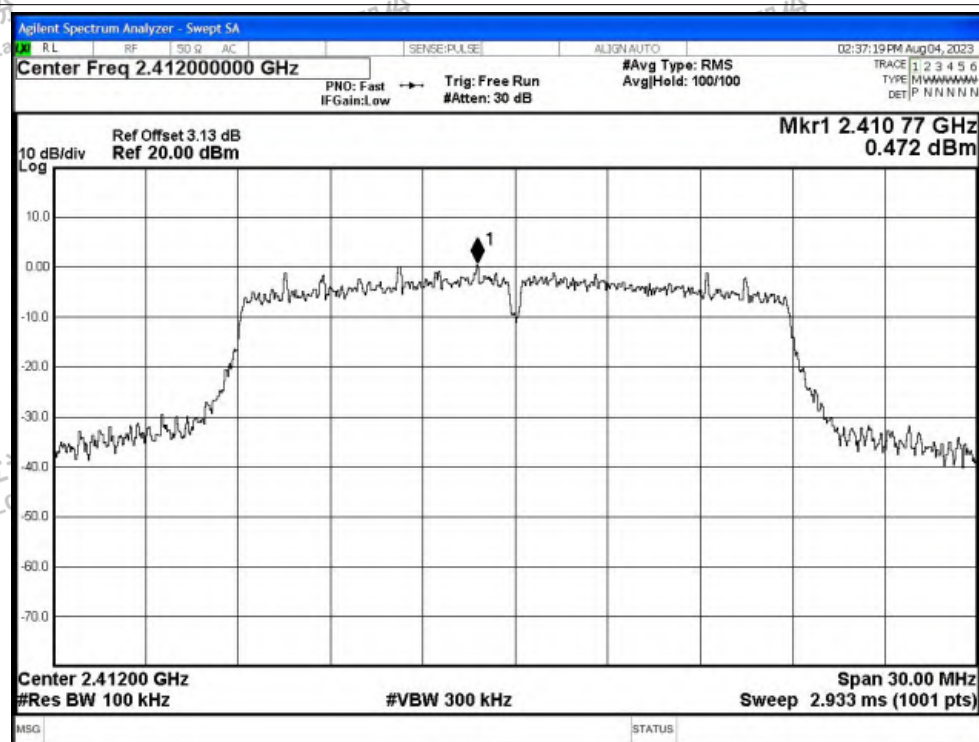
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

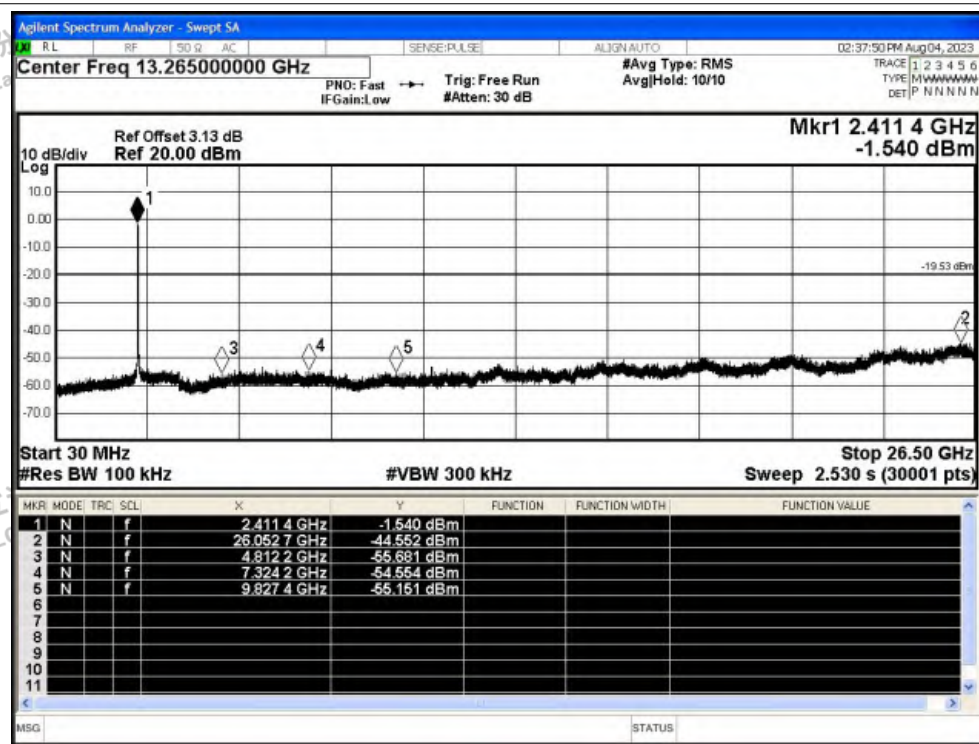




## Tx. Spurious NVNT n20 2412MHz Ant1 Ref



## Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

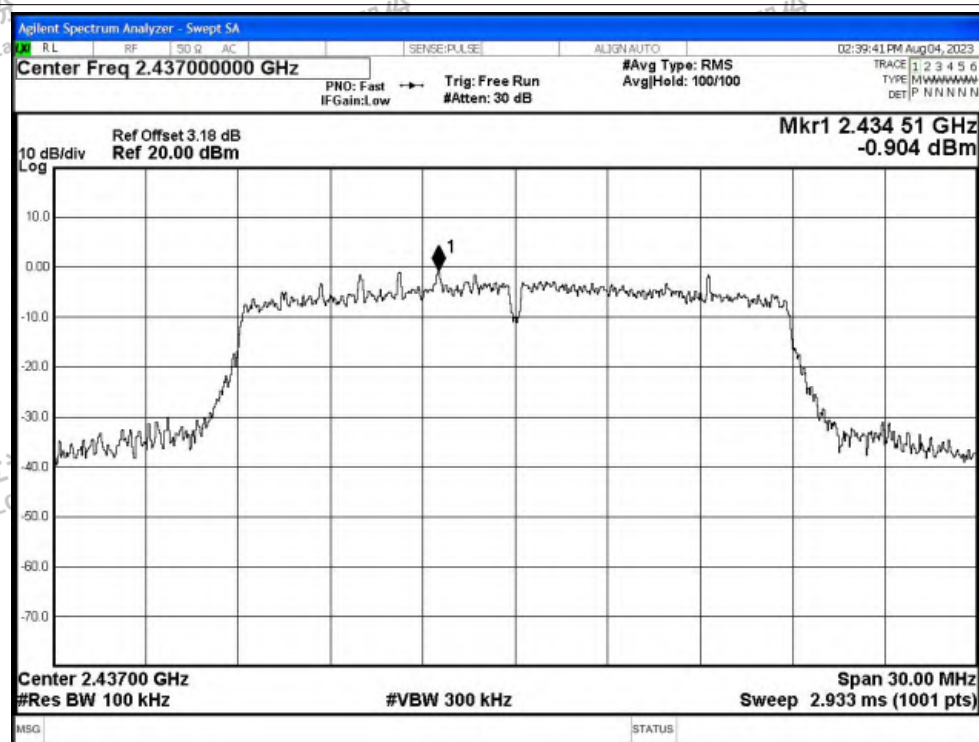
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

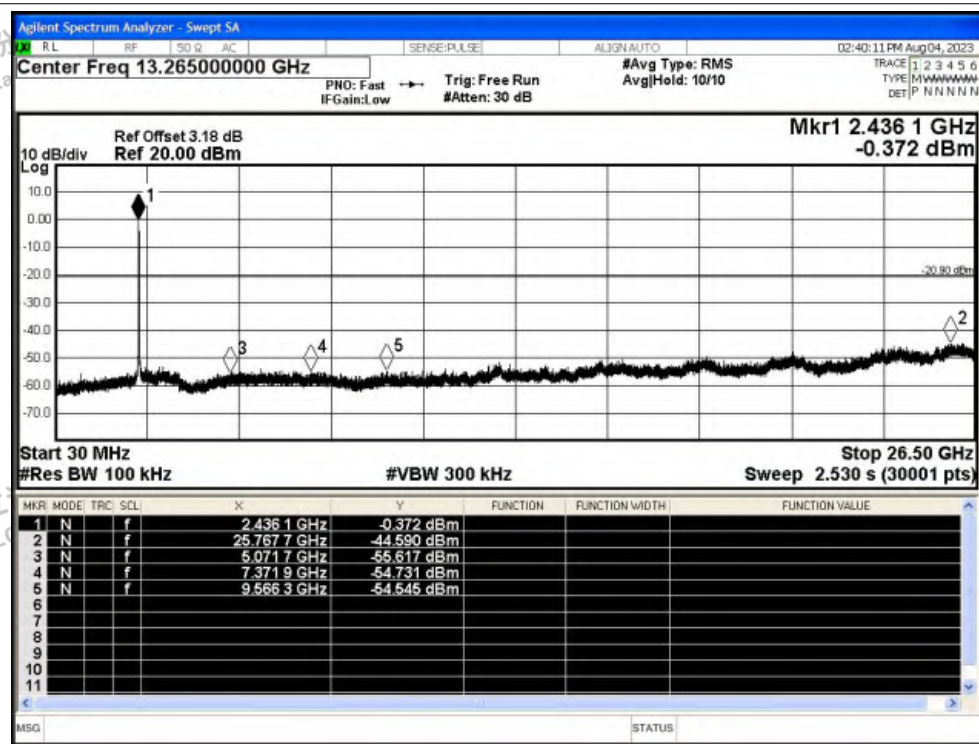
Scan code to check authenticity



## Tx. Spurious NVNT n20 2437MHz Ant1 Ref



## Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

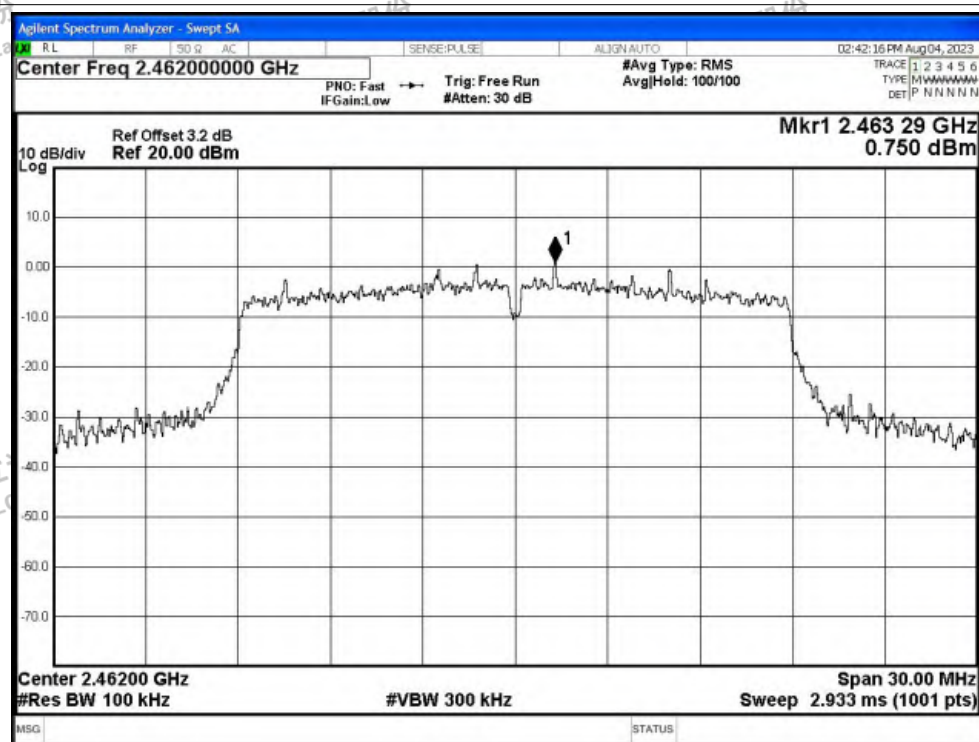
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

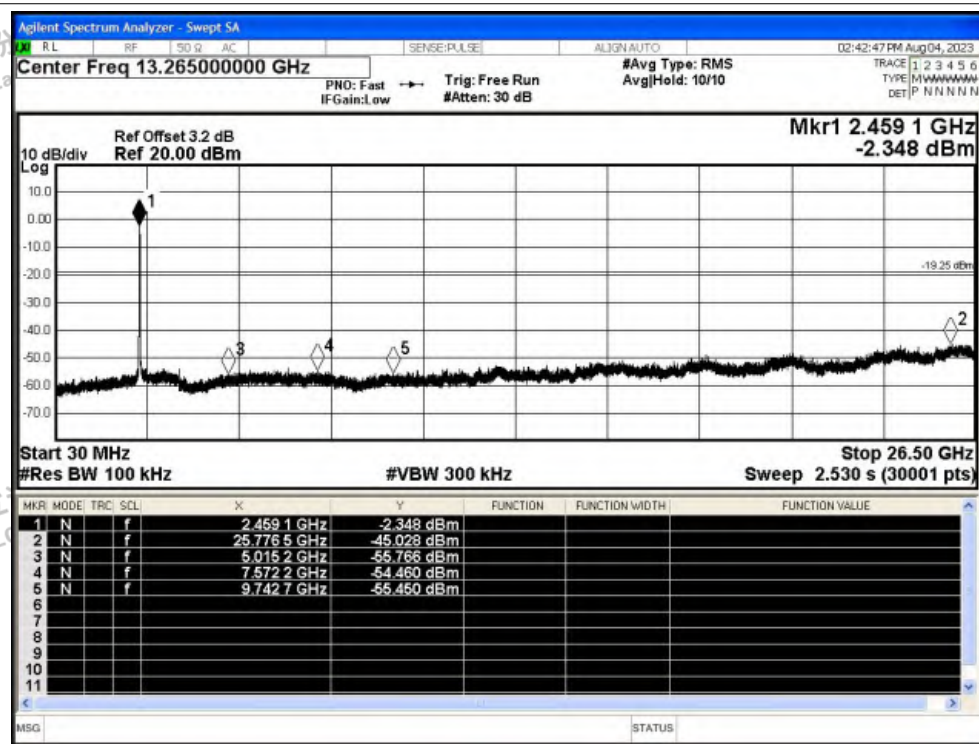
Scan code to check authenticity



## Tx. Spurious NVNT n20 2462MHz Ant1 Ref



## Tx. Spurious NVNT n20 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

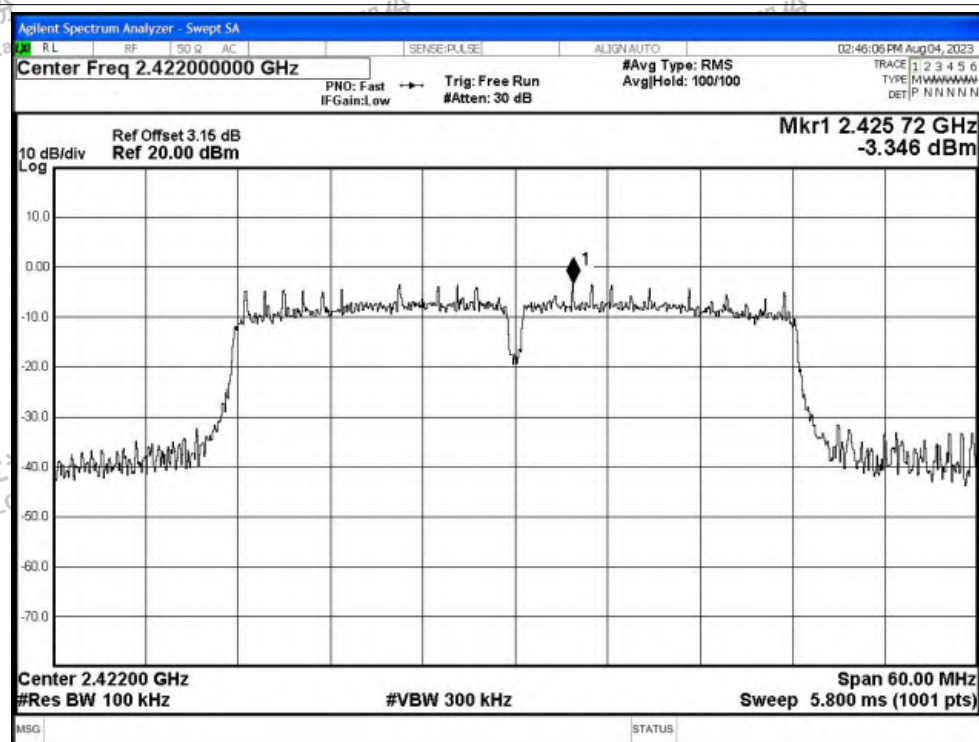
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

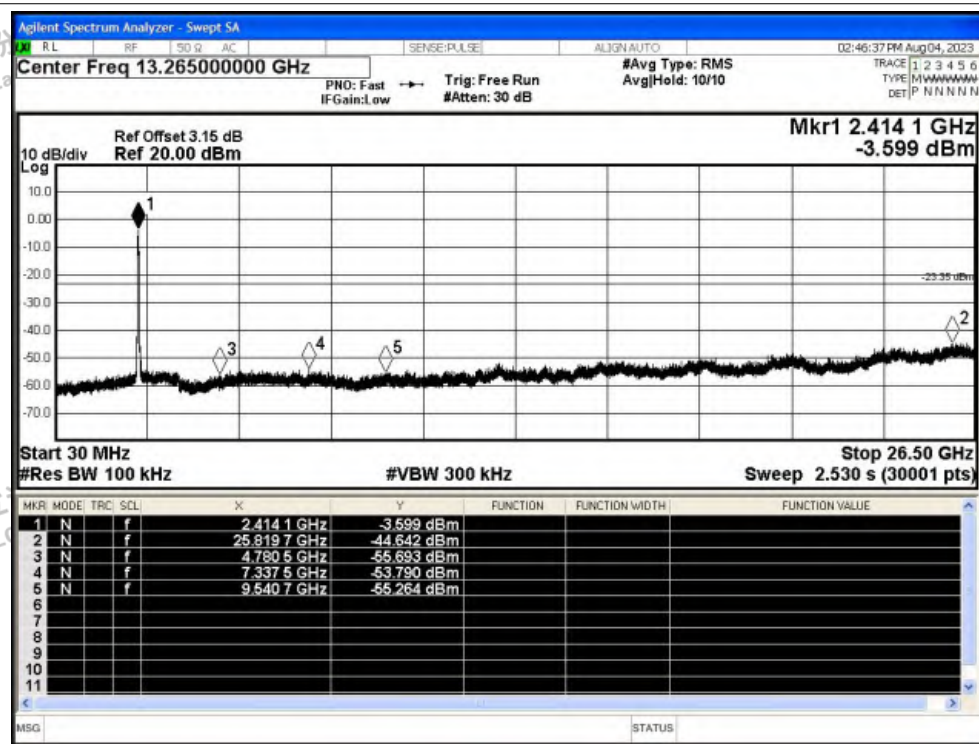




## Tx. Spurious NVNT n40 2422MHz Ant1 Ref



## Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

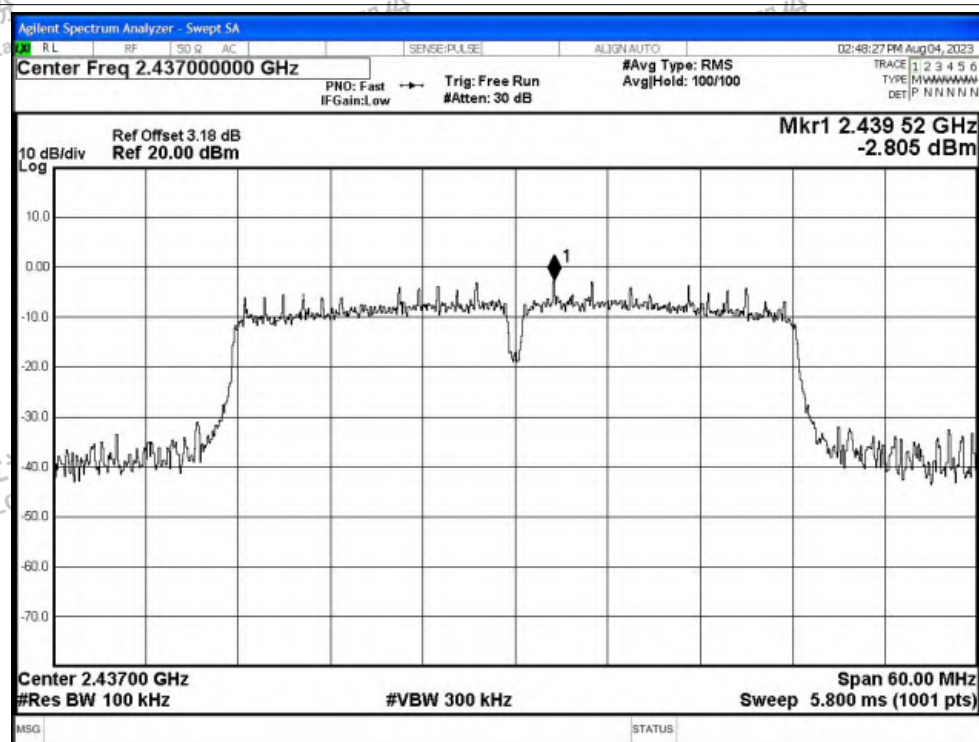
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

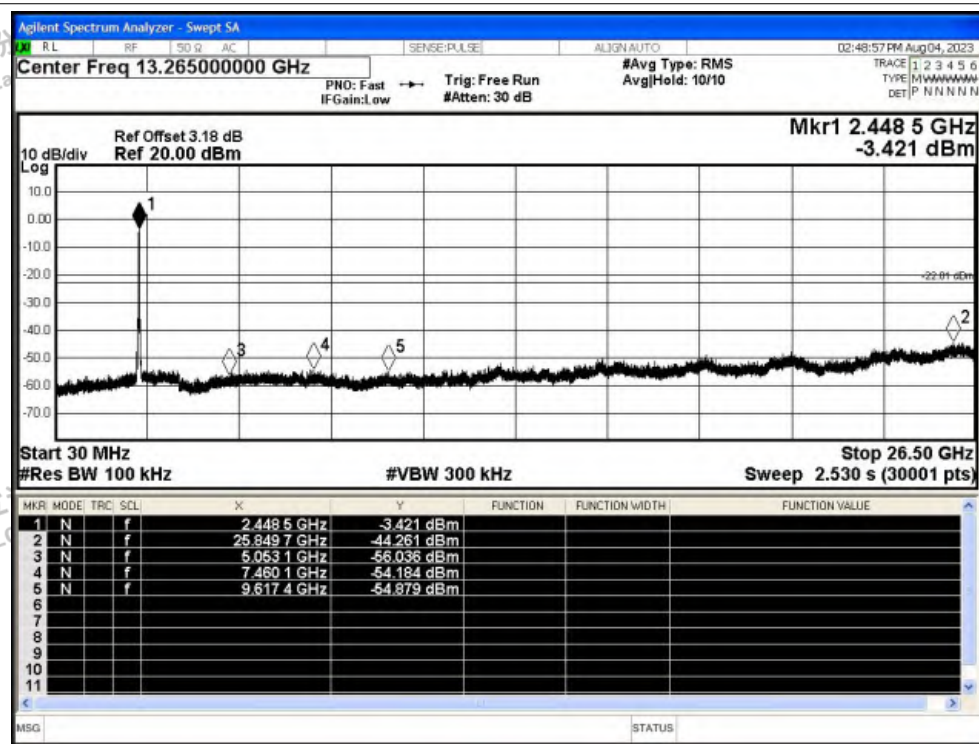




## Tx. Spurious NVNT n40 2437MHz Ant1 Ref



## Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

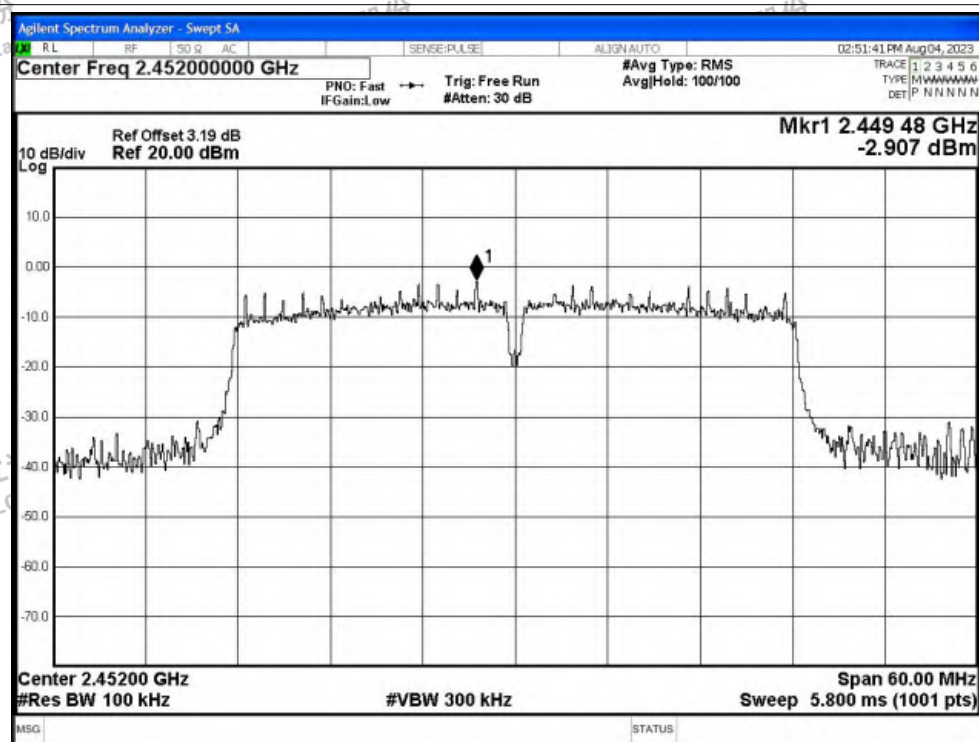
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

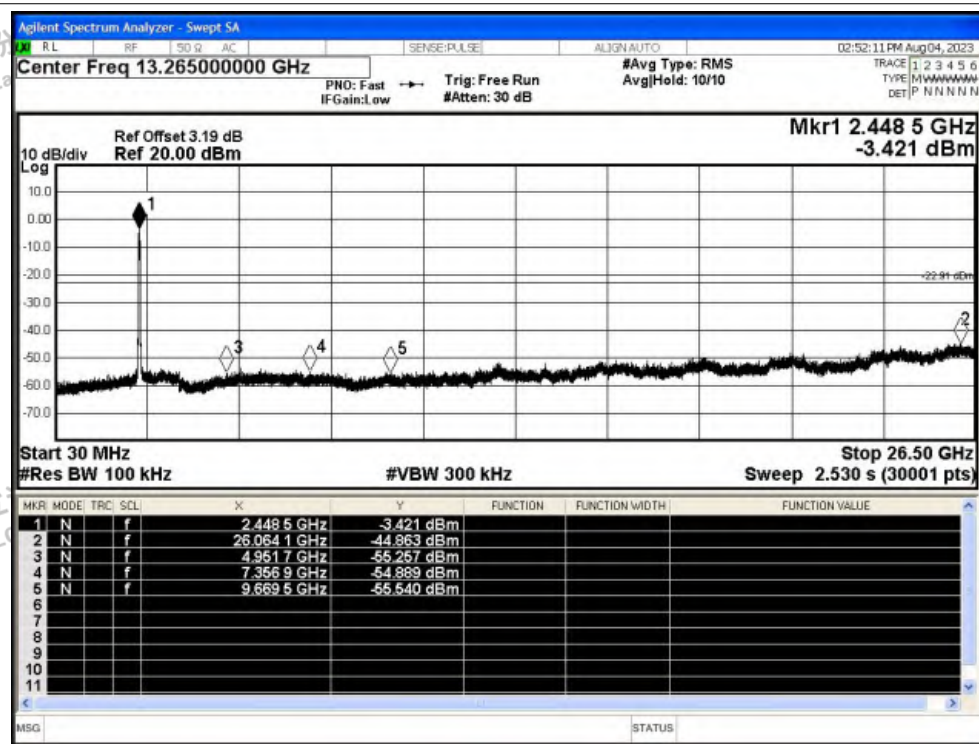
Scan code to check authenticity



## Tx. Spurious NVNT n40 2452MHz Ant1 Ref



## Tx. Spurious NVNT n40 2452MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



## A.6 Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | b    | 2412            | Ant1    | 99.67          | 0                      | 0.12      |
| NVNT      | b    | 2437            | Ant1    | 99.69          | 0                      | 0.12      |
| NVNT      | b    | 2462            | Ant1    | 99.67          | 0                      | 0.12      |
| NVNT      | g    | 2412            | Ant1    | 97.76          | 0.1                    | 0.72      |
| NVNT      | g    | 2437            | Ant1    | 97.76          | 0.1                    | 0.72      |
| NVNT      | g    | 2462            | Ant1    | 97.76          | 0.1                    | 0.72      |
| NVNT      | n20  | 2412            | Ant1    | 97.46          | 0.11                   | 0.77      |
| NVNT      | n20  | 2437            | Ant1    | 97.46          | 0.11                   | 0.77      |
| NVNT      | n20  | 2462            | Ant1    | 97.46          | 0.11                   | 0.77      |
| NVNT      | n40  | 2422            | Ant1    | 95.03          | 0.22                   | 1.54      |
| NVNT      | n40  | 2437            | Ant1    | 95.03          | 0.22                   | 1.54      |
| NVNT      | n40  | 2452            | Ant1    | 95.03          | 0.22                   | 1.54      |



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Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

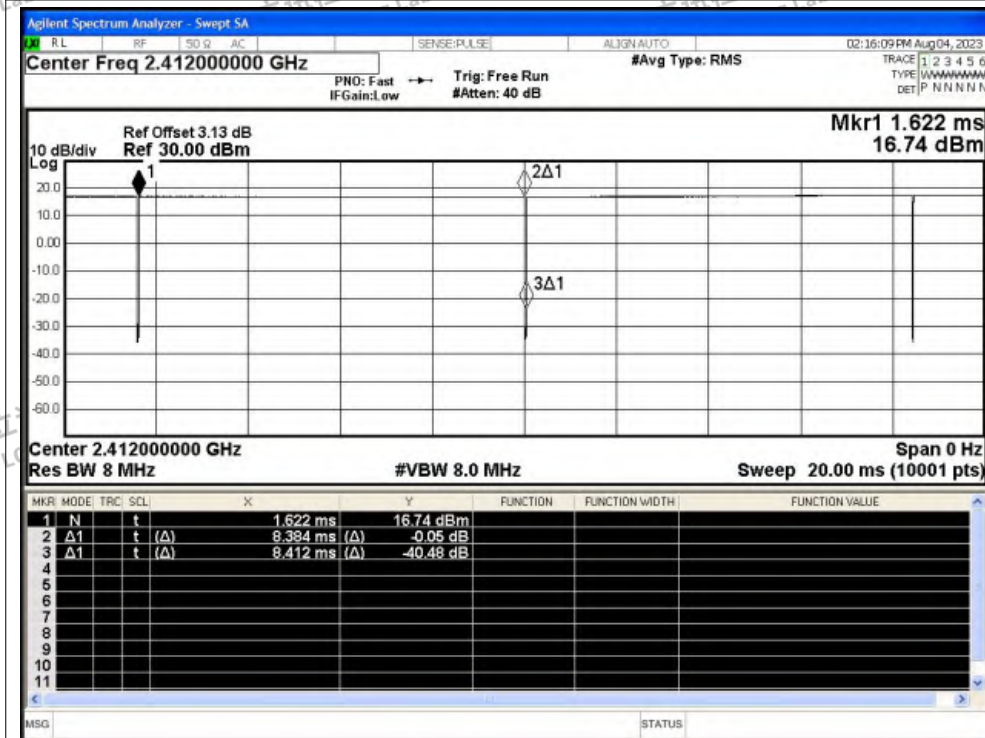
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

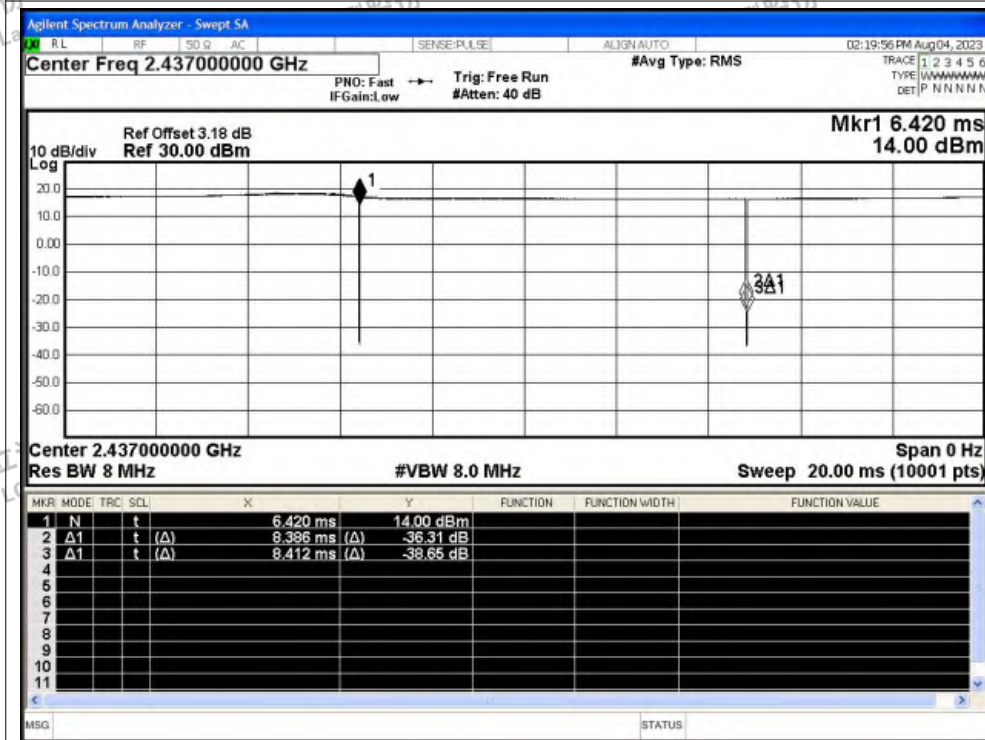


## Test Graphs

## Duty Cycle NVNT b 2412MHz Ant1



## Duty Cycle NVNT b 2437MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

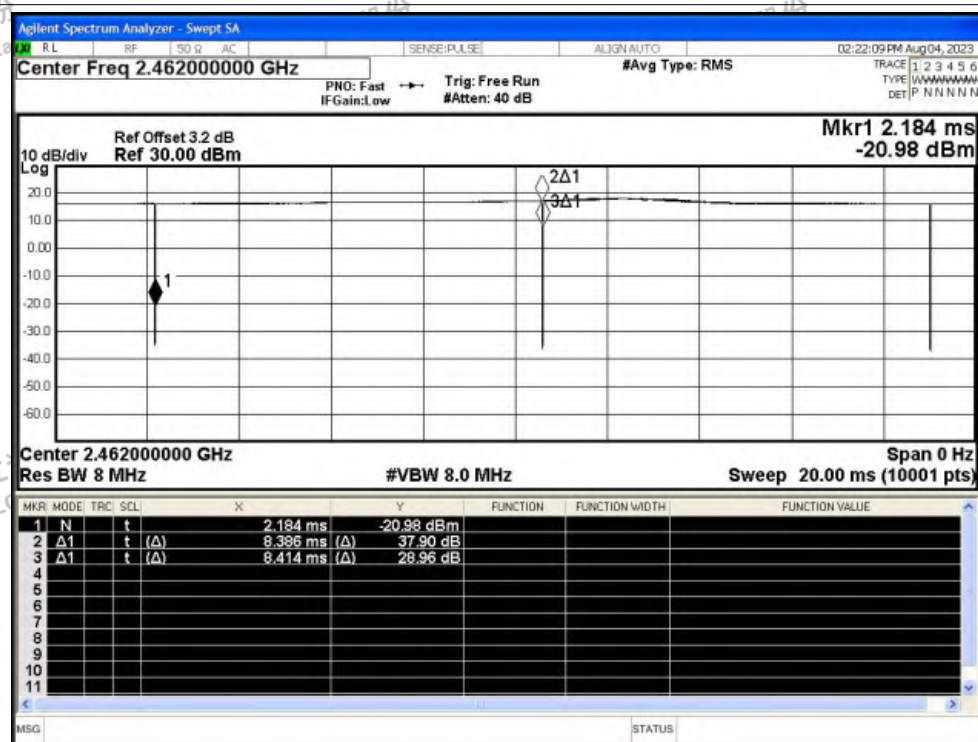
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

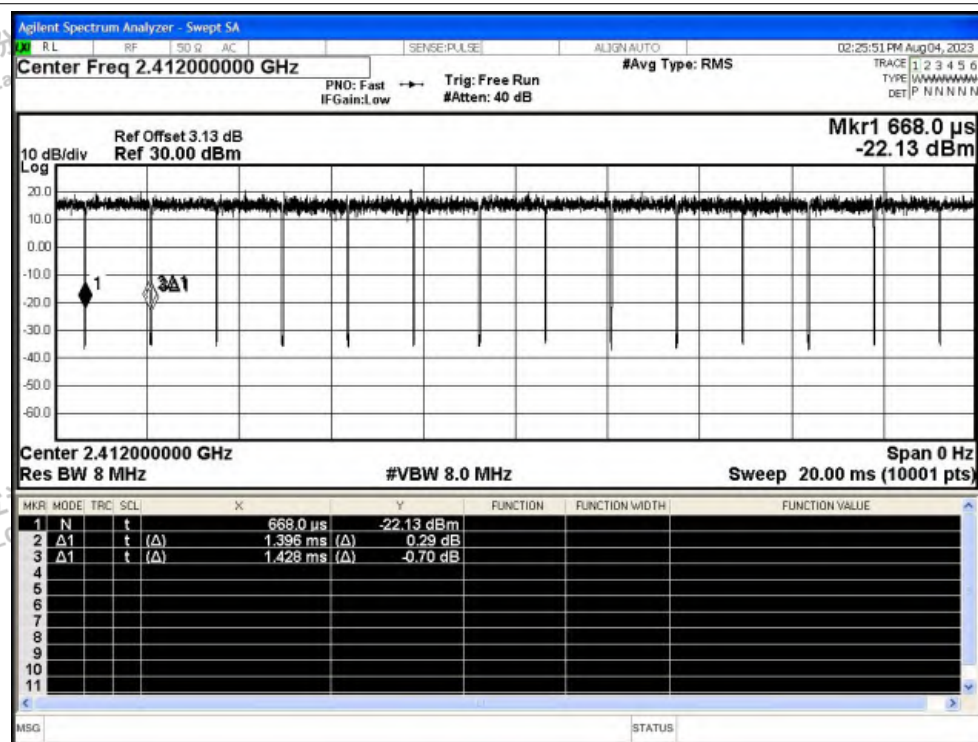




## Duty Cycle NVNT b 2462MHz Ant1



## Duty Cycle NVNT g 2412MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

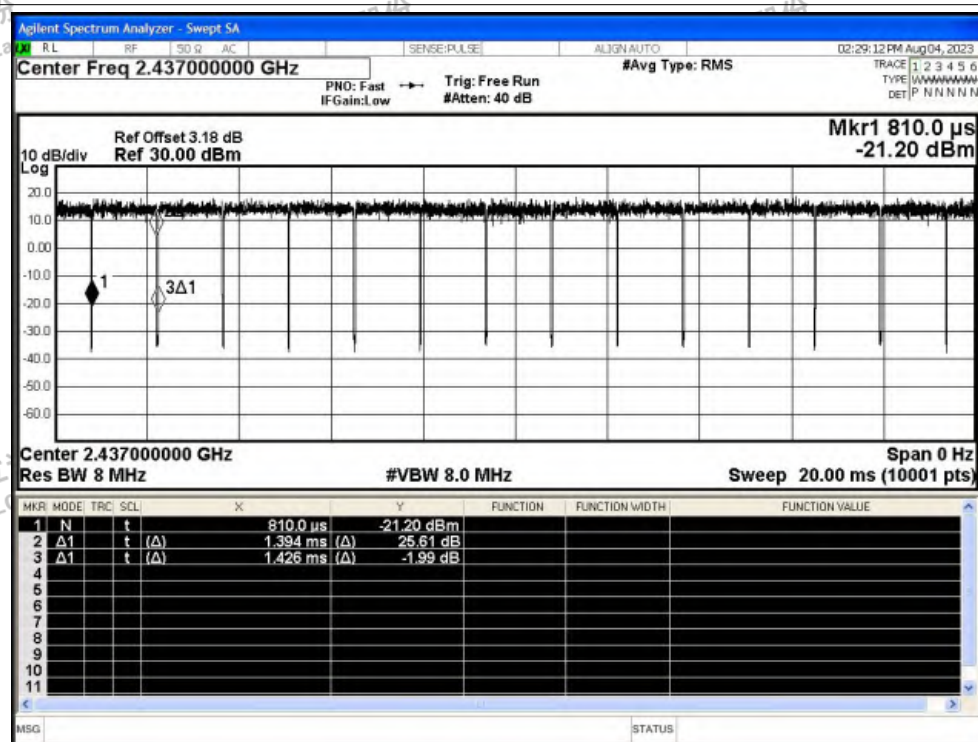
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

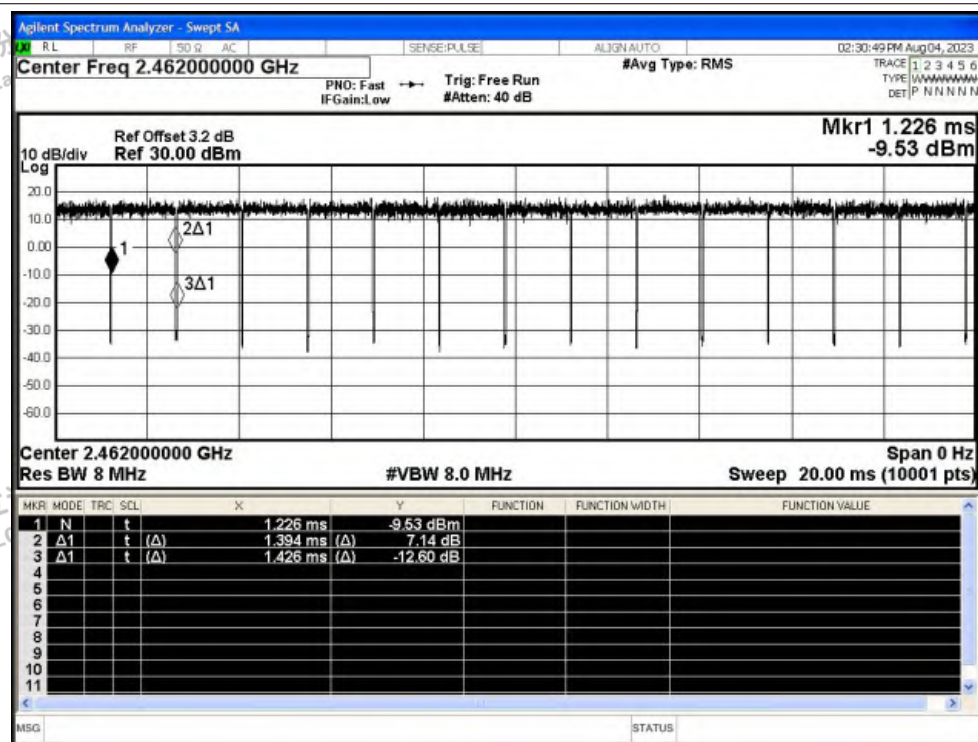
Scan code to check authenticity



## Duty Cycle NVNT g 2437MHz Ant1



## Duty Cycle NVNT g 2462MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

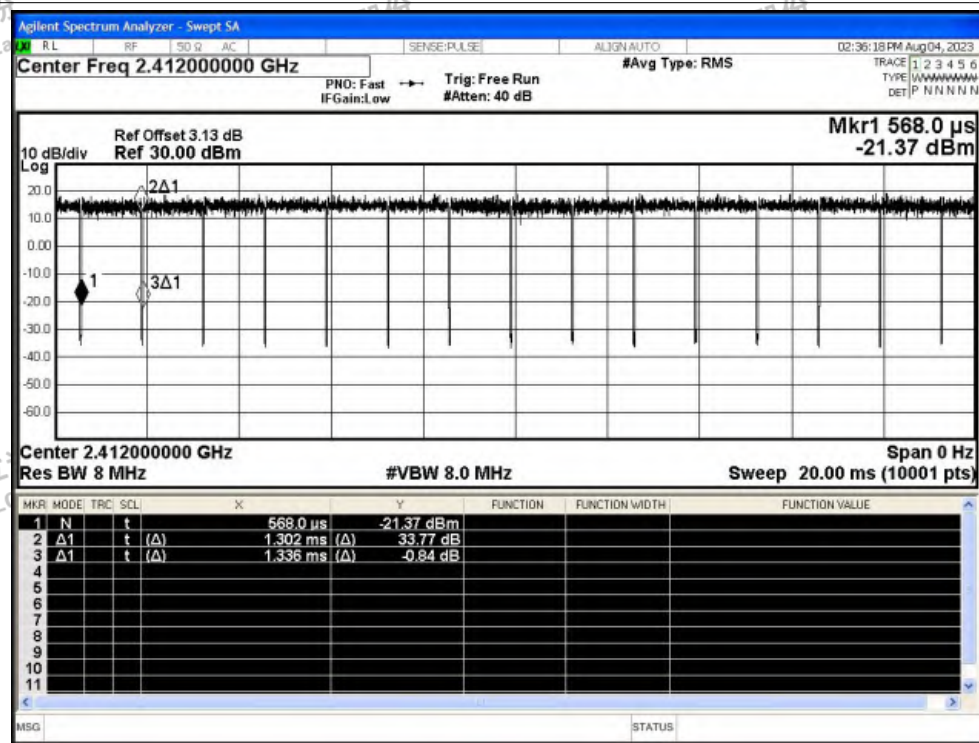
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

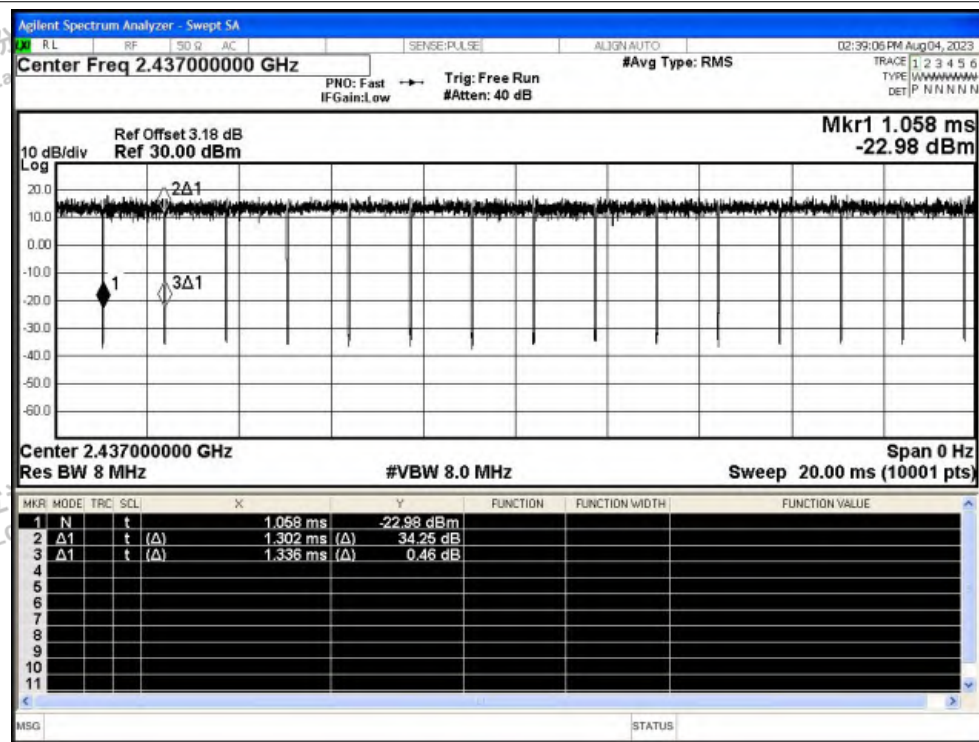
Scan code to check authenticity



## Duty Cycle NVNT n20 2412MHz Ant1



## Duty Cycle NVNT n20 2437MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

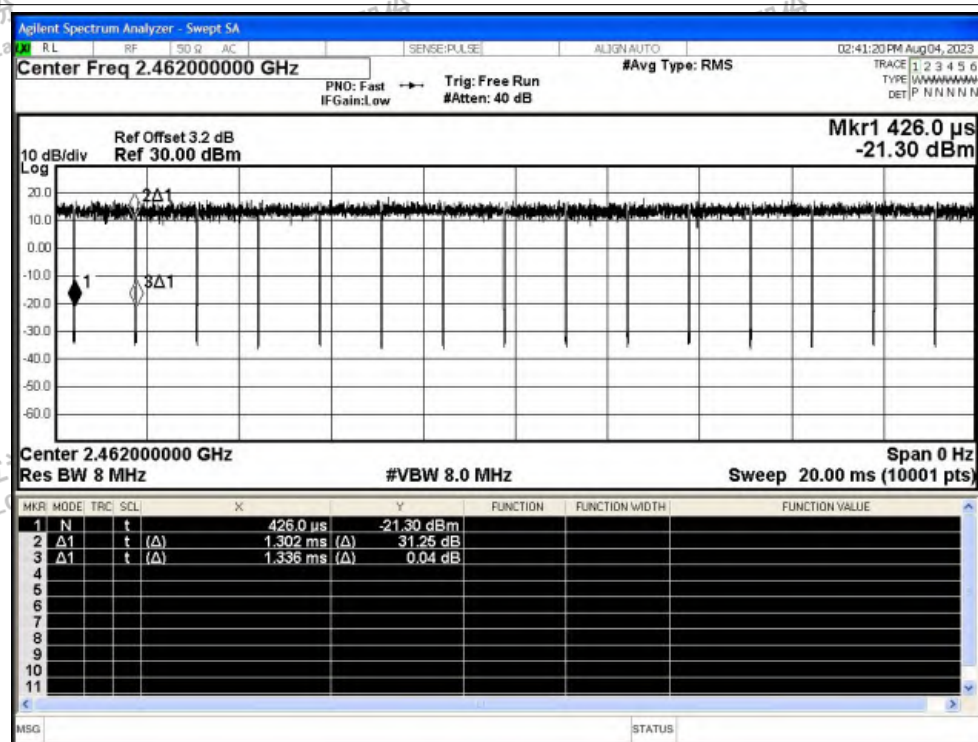
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

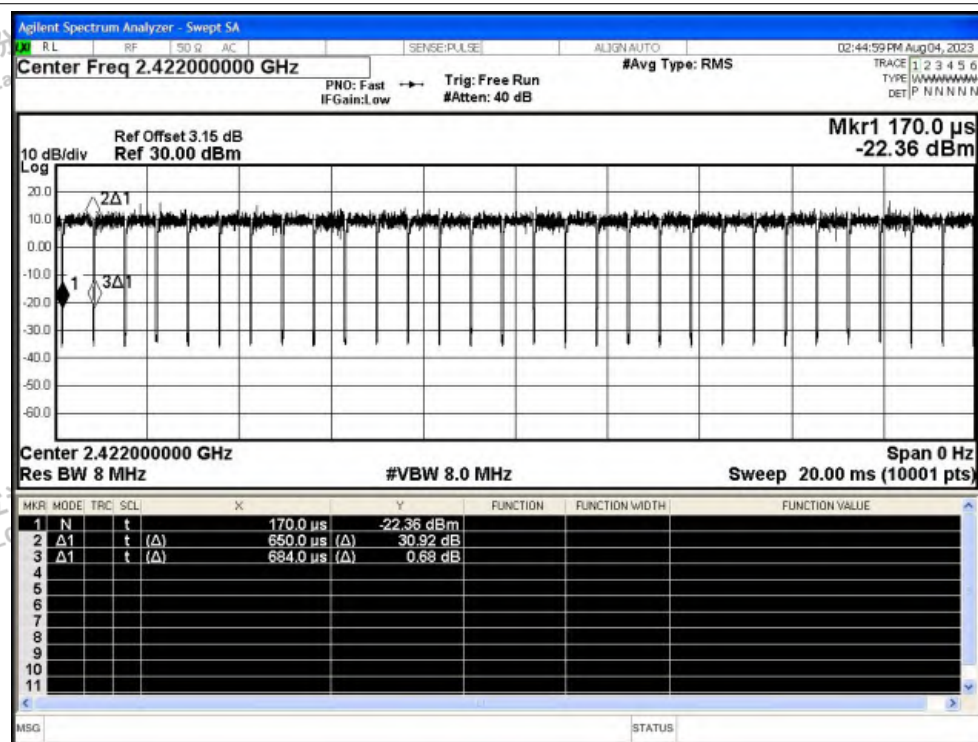




## Duty Cycle NVNT n20 2462MHz Ant1



## Duty Cycle NVNT n40 2422MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

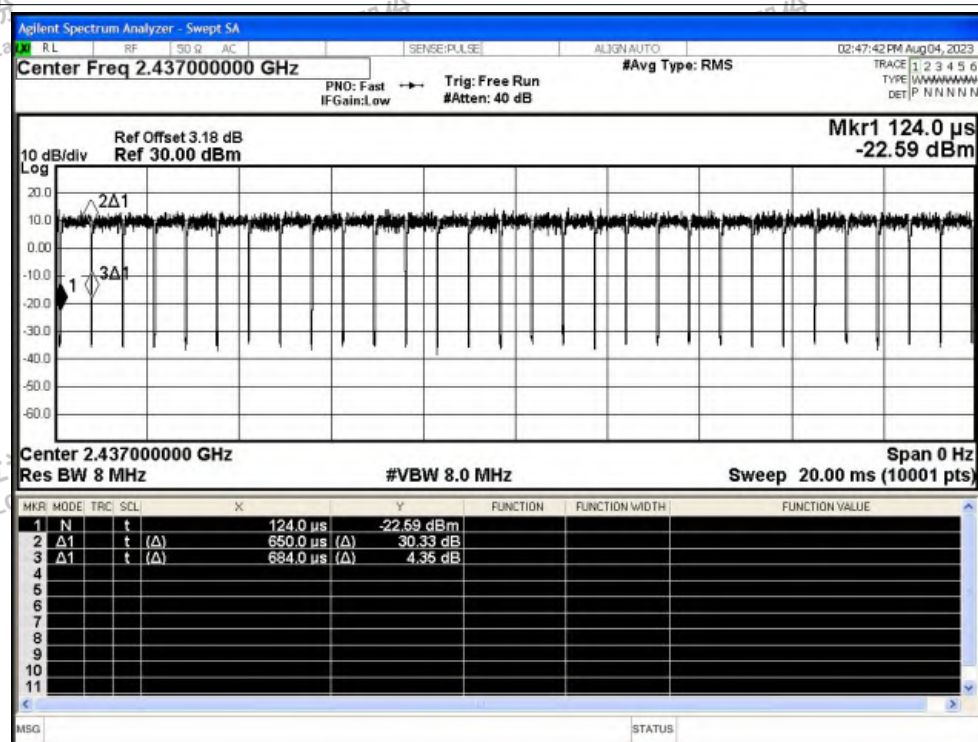
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

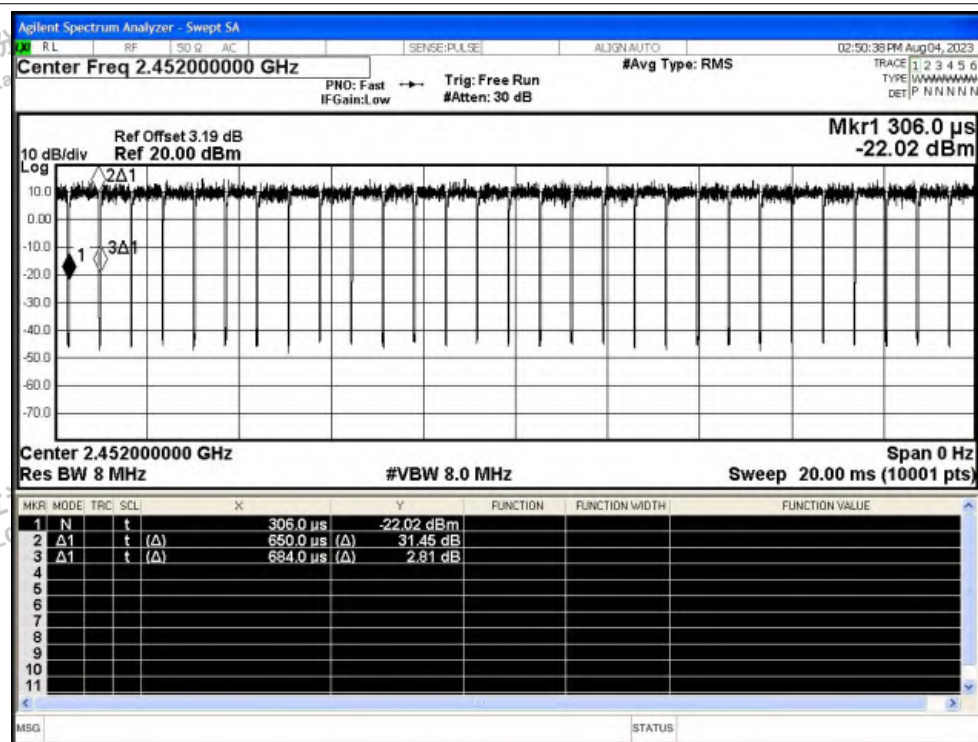




## Duty Cycle NVNT n40 2437MHz Ant1



## Duty Cycle NVNT n40 2452MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



## A.7 Restrict Band

| Condition | Mode | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|------------|------------|----------|----------------|---------|
| NVNT      | b    | 2412            | Ant1    | 2310            | -49.5       | 2.97       | 48.73      | Peak     | 74             | Pass    |
| NVNT      | b    | 2412            | Ant1    | 2310            | -56.91      | 2.97       | 41.32      | Average  | 54             | Pass    |
| NVNT      | b    | 2412            | Ant1    | 2387.922        | -44.87      | 2.97       | 53.36      | Peak     | 74             | Pass    |
| NVNT      | b    | 2412            | Ant1    | 2389.56         | -53.54      | 2.97       | 44.69      | Average  | 54             | Pass    |
| NVNT      | b    | 2412            | Ant1    | 2390            | -47.6       | 2.97       | 50.63      | Peak     | 74             | Pass    |
| NVNT      | b    | 2412            | Ant1    | 2390            | -53.6       | 2.97       | 44.63      | Average  | 54             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2483.5          | -48.07      | 2.97       | 50.16      | Peak     | 74             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2483.5          | -53.9       | 2.97       | 44.33      | Average  | 54             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2488.128        | -43.88      | 2.97       | 54.35      | Peak     | 74             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2486.909        | -53.79      | 2.97       | 44.44      | Average  | 54             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2500            | -48.67      | 2.97       | 49.56      | Peak     | 74             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2500            | -55.56      | 2.97       | 42.67      | Average  | 54             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2310            | -50.21      | 2.97       | 48.02      | Peak     | 74             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2310            | -56.12      | 2.97       | 42.11      | Average  | 54             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2389.911        | -36.07      | 2.97       | 62.16      | Peak     | 74             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2389.911        | -46.89      | 2.97       | 51.34      | Average  | 54             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2390            | -34.44      | 2.97       | 63.79      | Peak     | 74             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2390            | -46.85      | 2.97       | 51.38      | Average  | 54             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2483.5          | -38.98      | 2.97       | 59.25      | Peak     | 74             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2483.5          | -47.91      | 2.97       | 50.32      | Average  | 54             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2485.584        | -35.09      | 2.97       | 63.14      | Peak     | 74             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2483.517        | -47.91      | 2.97       | 50.32      | Average  | 54             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2500            | -46.28      | 2.97       | 51.95      | Peak     | 74             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2500            | -53.63      | 2.97       | 44.60      | Average  | 54             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2310            | -50.04      | 2.97       | 48.19      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2310            | -56.02      | 2.97       | 42.21      | Average  | 54             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2389.677        | -34.27      | 2.97       | 63.96      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2389.911        | -49.27      | 2.97       | 48.96      | Average  | 54             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2390            | -38.57      | 2.97       | 59.66      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2390            | -49.01      | 2.97       | 49.22      | Average  | 54             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2483.5          | -40.69      | 2.97       | 57.54      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2483.5          | -47.59      | 2.97       | 50.64      | Average  | 54             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2484.259        | -33.72      | 2.97       | 64.51      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2483.517        | -47.59      | 2.97       | 50.64      | Average  | 54             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2500            | -46.2       | 2.97       | 52.03      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2500            | -53.3       | 2.97       | 44.93      | Average  | 54             | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 2310            | -49.33      | 2.97       | 48.90      | Peak     | 74             | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 2310            | -56.05      | 2.97       | 42.18      | Average  | 54             | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 2389.662        | -32.84      | 2.97       | 65.39      | Peak     | 74             | Pass    |



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|      |     |      |      |          |        |      |       |         |    |      |
|------|-----|------|------|----------|--------|------|-------|---------|----|------|
| NVNT | n40 | 2422 | Ant1 | 2387.958 | -48.32 | 2.97 | 49.91 | Average | 54 | Pass |
| NVNT | n40 | 2422 | Ant1 | 2390     | -33.74 | 2.97 | 64.49 | Peak    | 74 | Pass |
| NVNT | n40 | 2422 | Ant1 | 2390     | -48.55 | 2.97 | 49.68 | Average | 54 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2483.5   | -34.36 | 2.97 | 63.87 | Peak    | 74 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2483.5   | -48.8  | 2.97 | 49.43 | Average | 54 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2485.882 | -30.79 | 2.97 | 67.44 | Peak    | 74 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2484.478 | -48.56 | 2.97 | 49.67 | Average | 54 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2500     | -47.15 | 2.97 | 51.08 | Peak    | 74 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2500     | -53.6  | 2.97 | 44.63 | Average | 54 | Pass |



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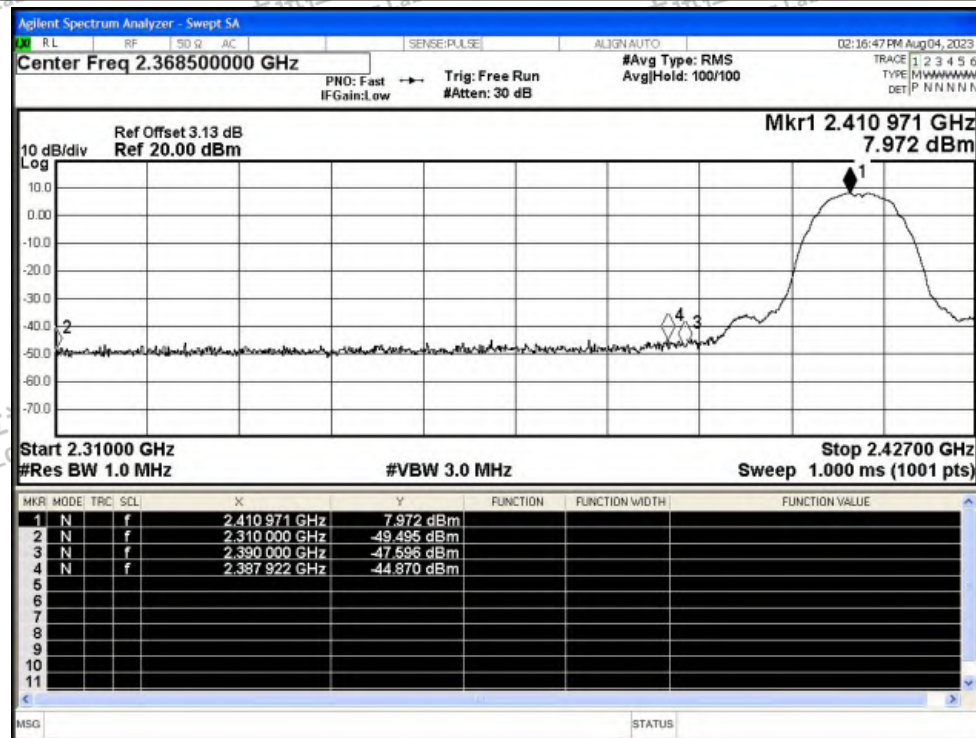
Scan code to check authenticity



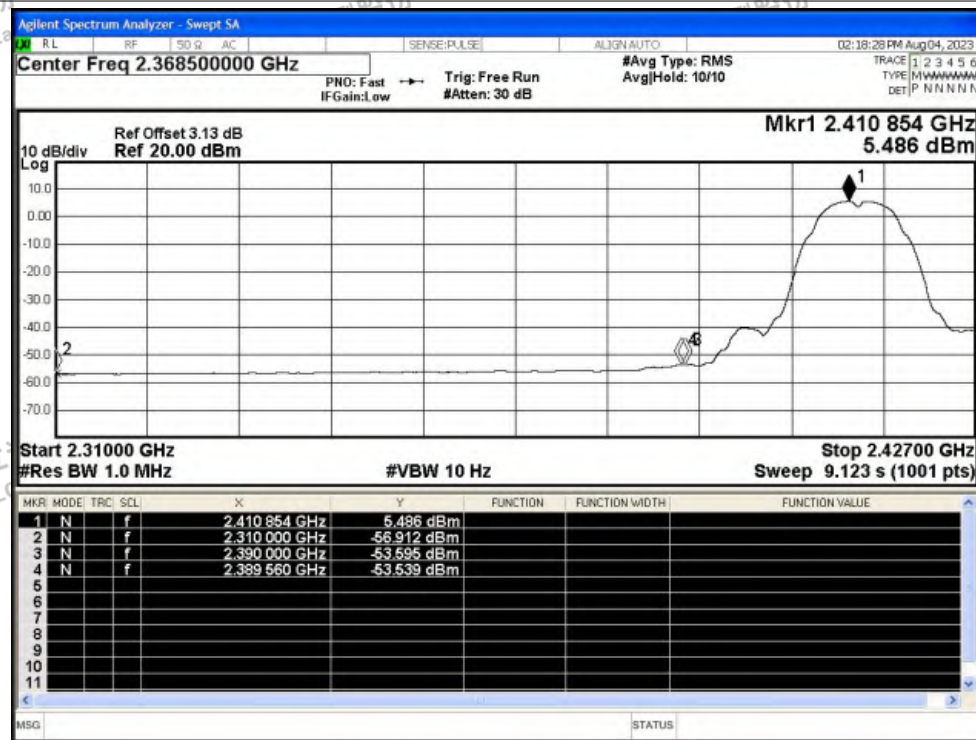


## Test Graphs

## Restrict Band NVNT b 2412MHz Ant1 Peak



## Restrict Band NVNT b 2412MHz Ant1 Average



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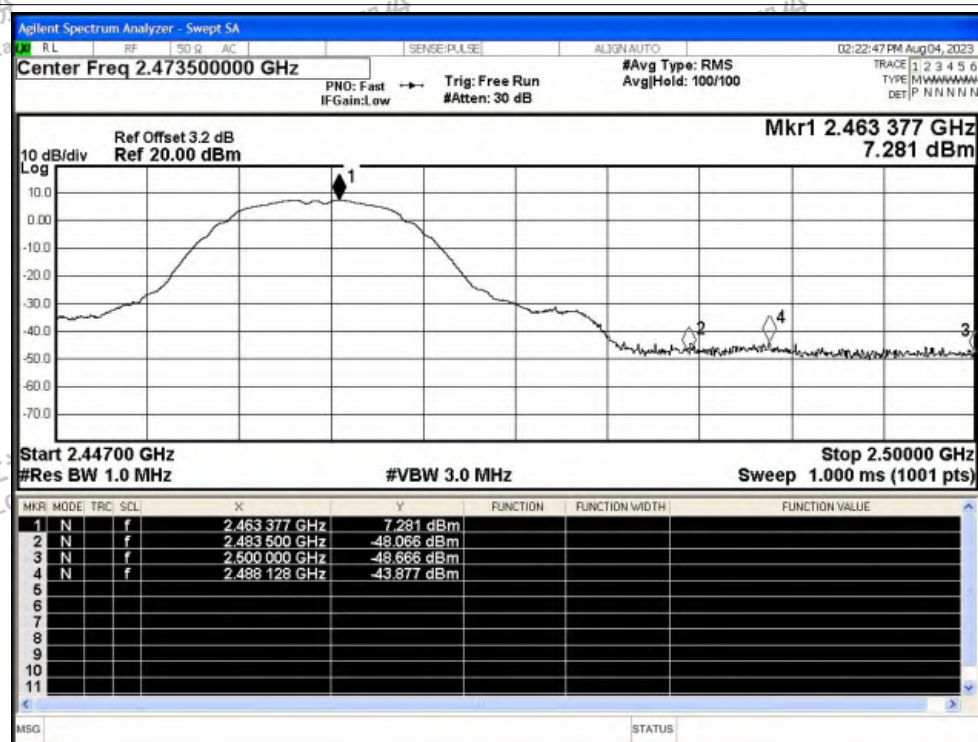
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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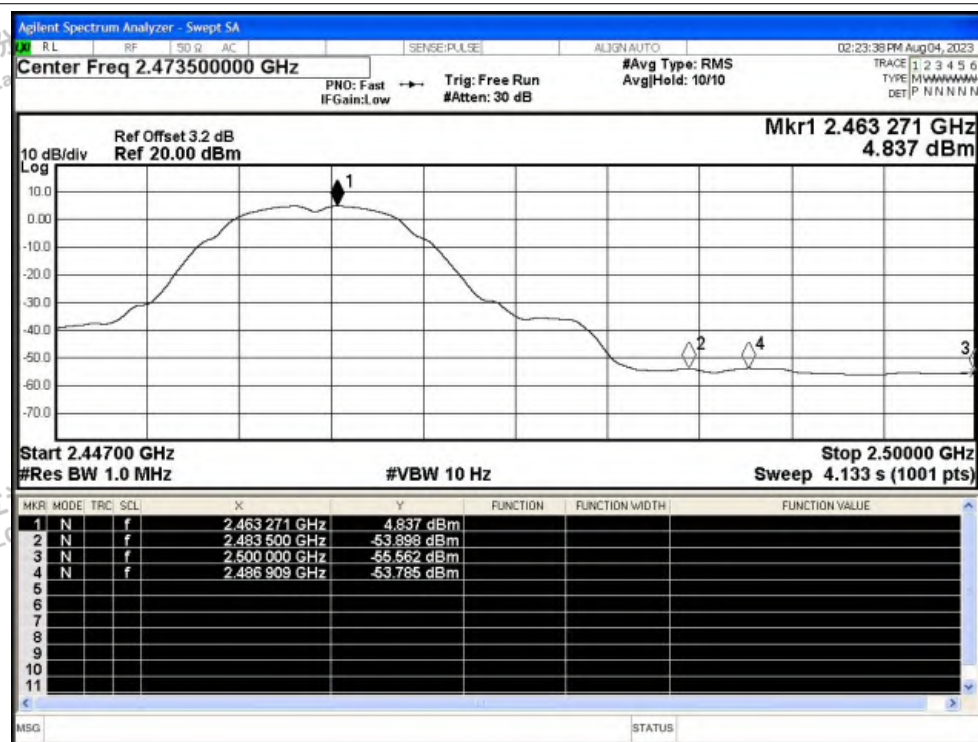
Scan code to check authenticity



## Restrict Band NVNT b 2462MHz Ant1 Peak



## Restrict Band NVNT b 2462MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

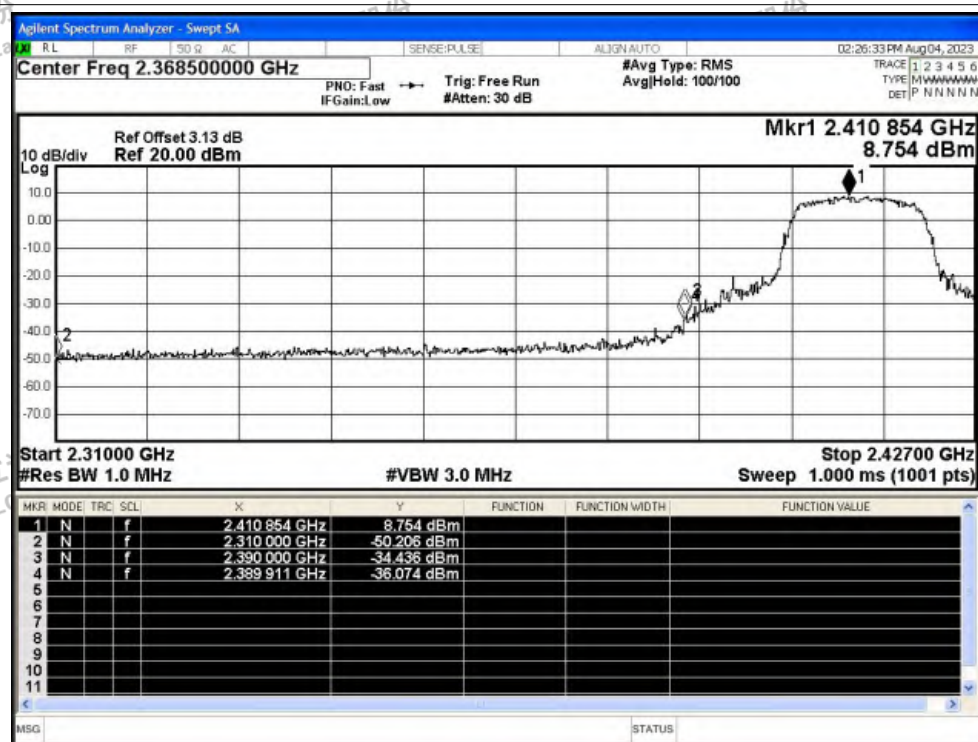
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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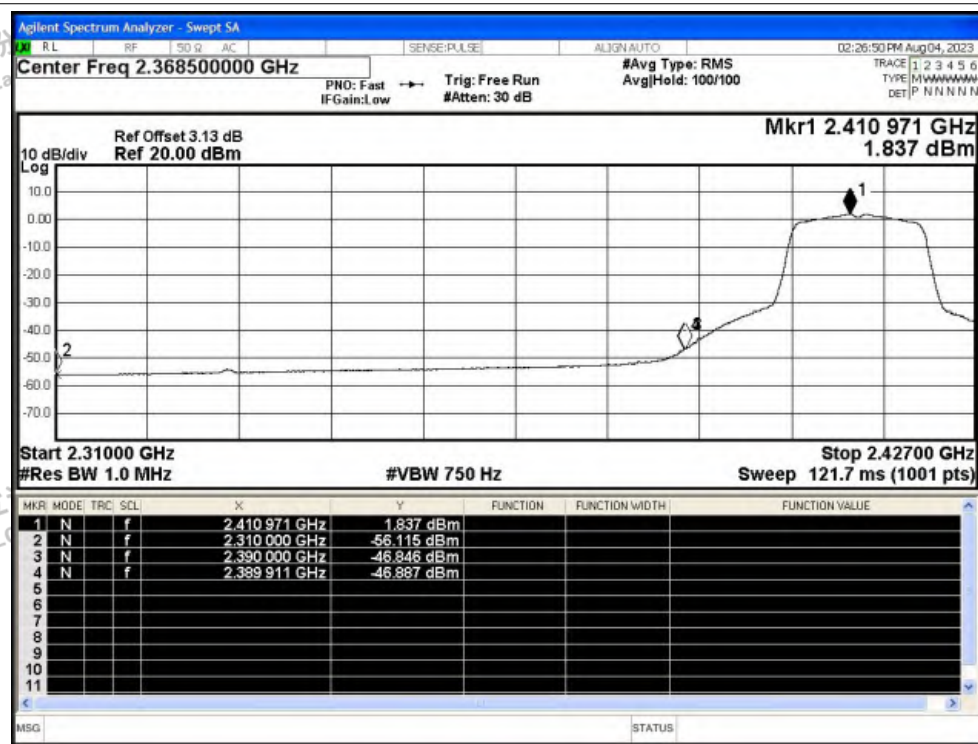
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## Restrict Band NVNT g 2412MHz Ant1 Peak



## Restrict Band NVNT g 2412MHz Ant1 Average



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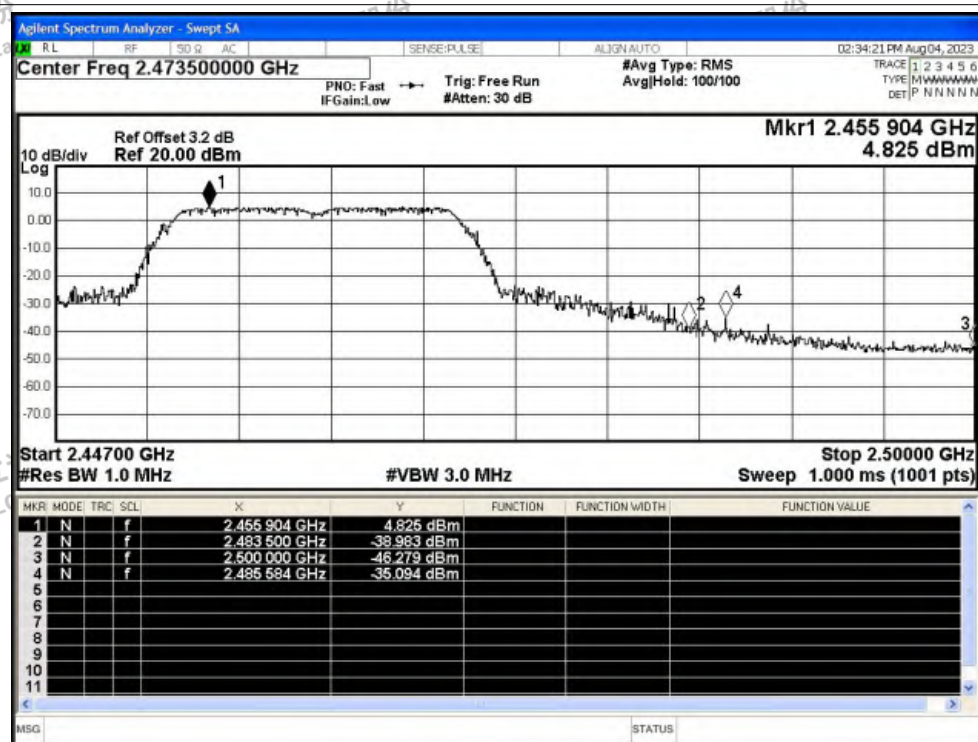
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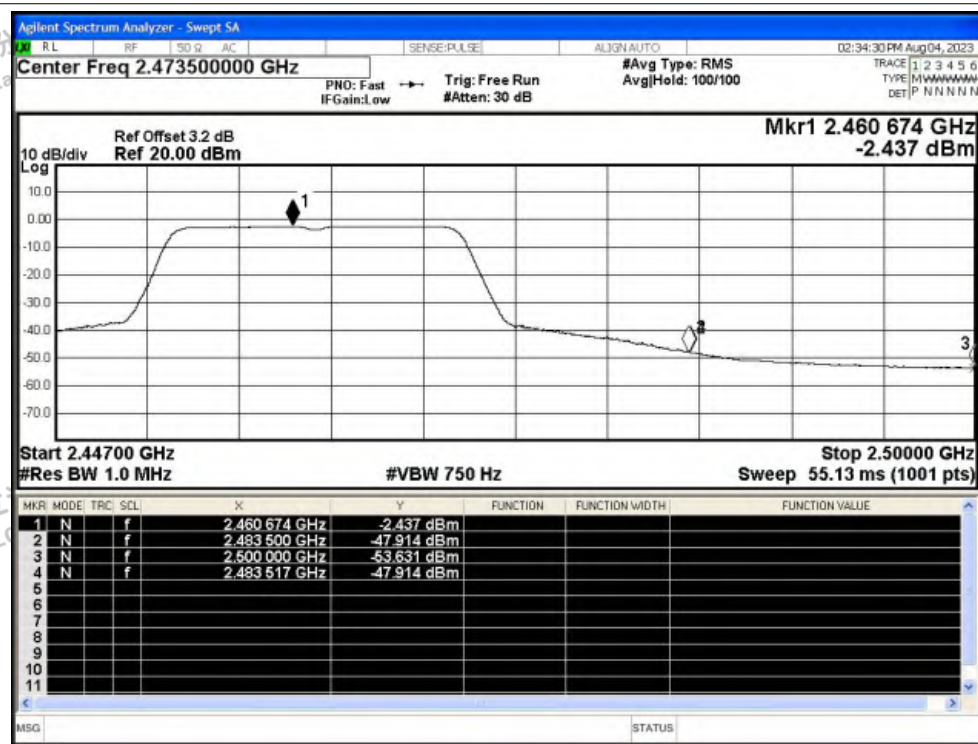




## Restrict Band NVNT g 2462MHz Ant1 Peak



## Restrict Band NVNT g 2462MHz Ant1 Average



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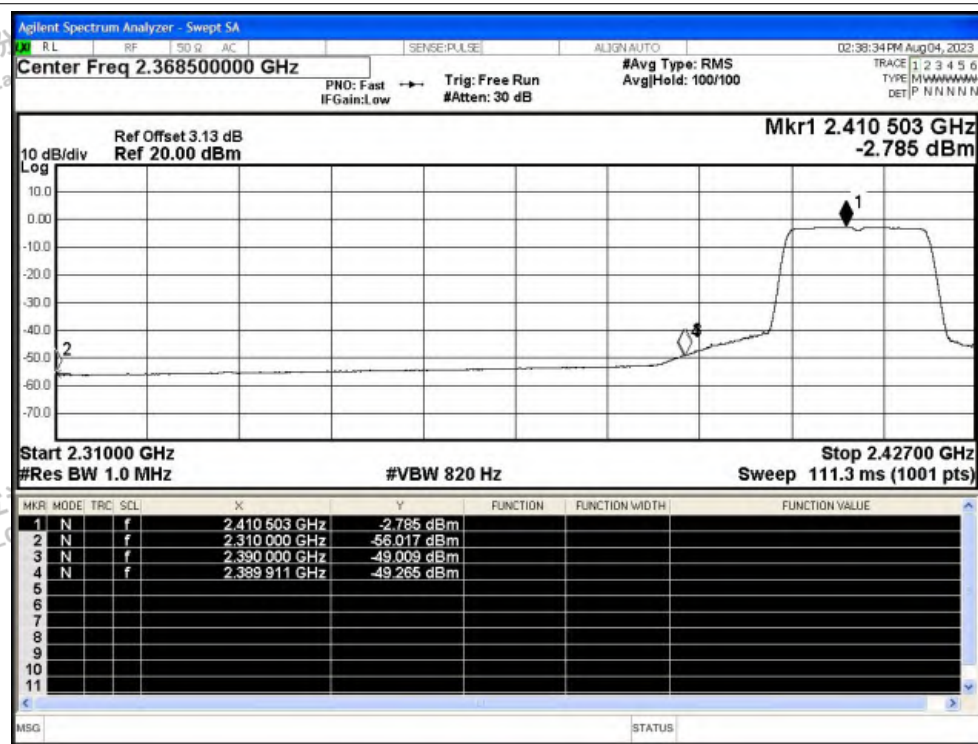
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## Restrict Band NVNT n20 2412MHz Ant1 Peak



## Restrict Band NVNT n20 2412MHz Ant1 Average



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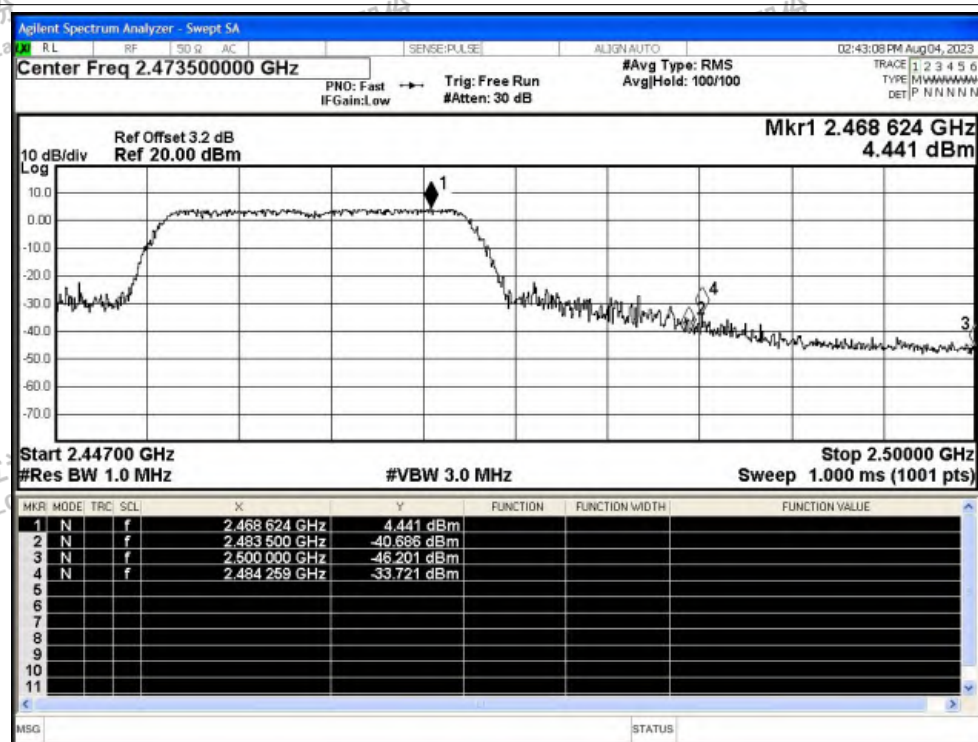
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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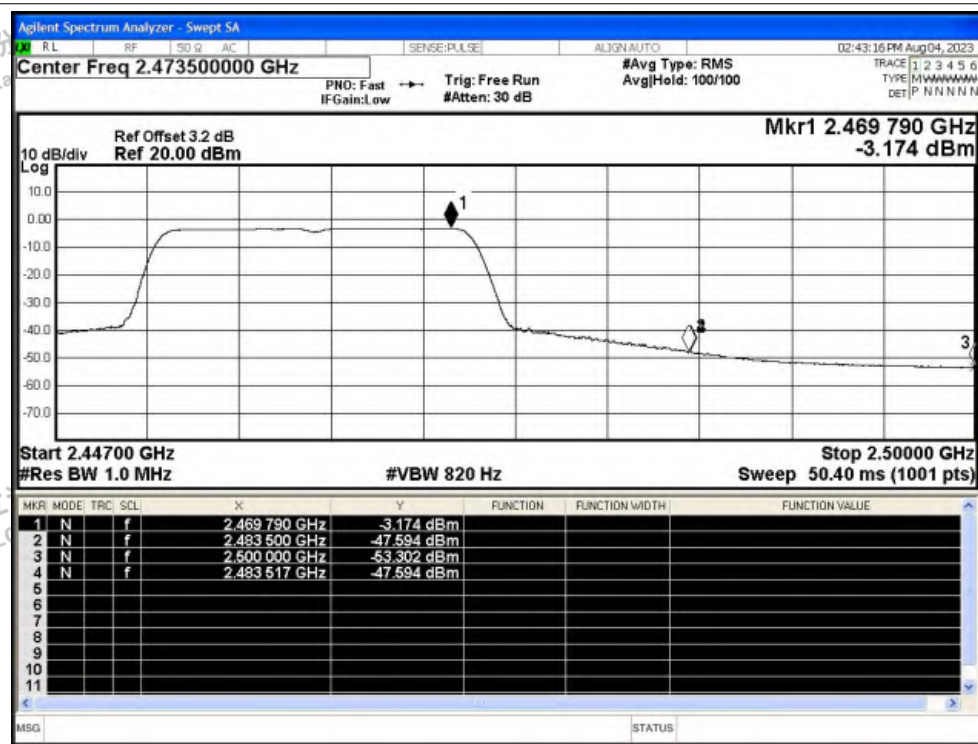
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## Restrict Band NVNT n20 2462MHz Ant1 Peak



## Restrict Band NVNT n20 2462MHz Ant1 Average



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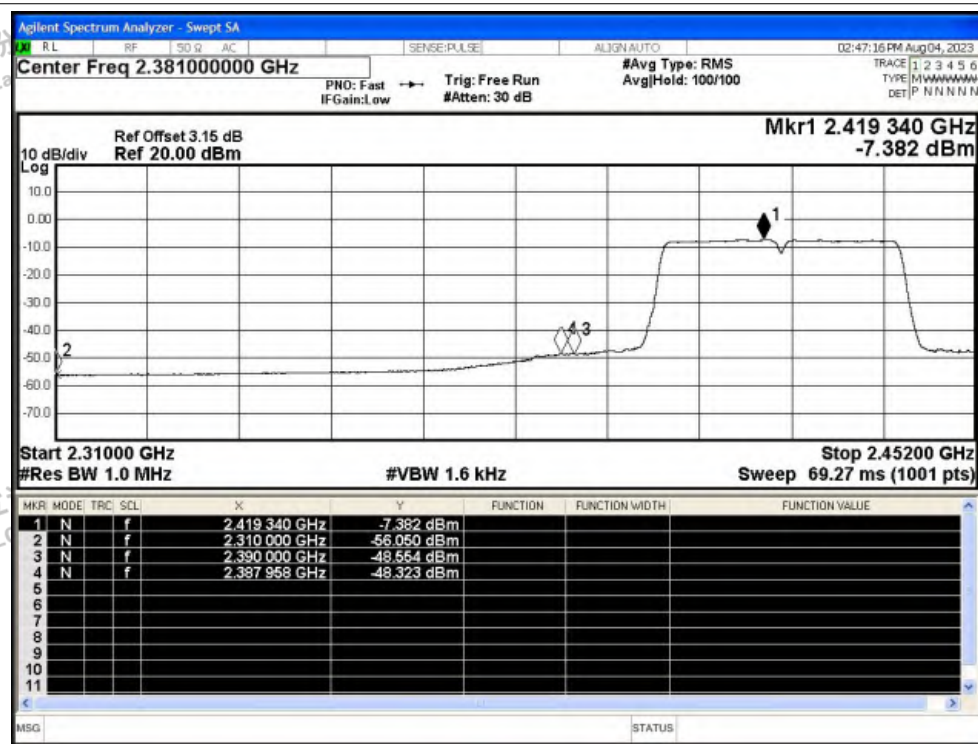




## Restrict Band NVNT n40 2422MHz Ant1 Peak



## Restrict Band NVNT n40 2422MHz Ant1 Average



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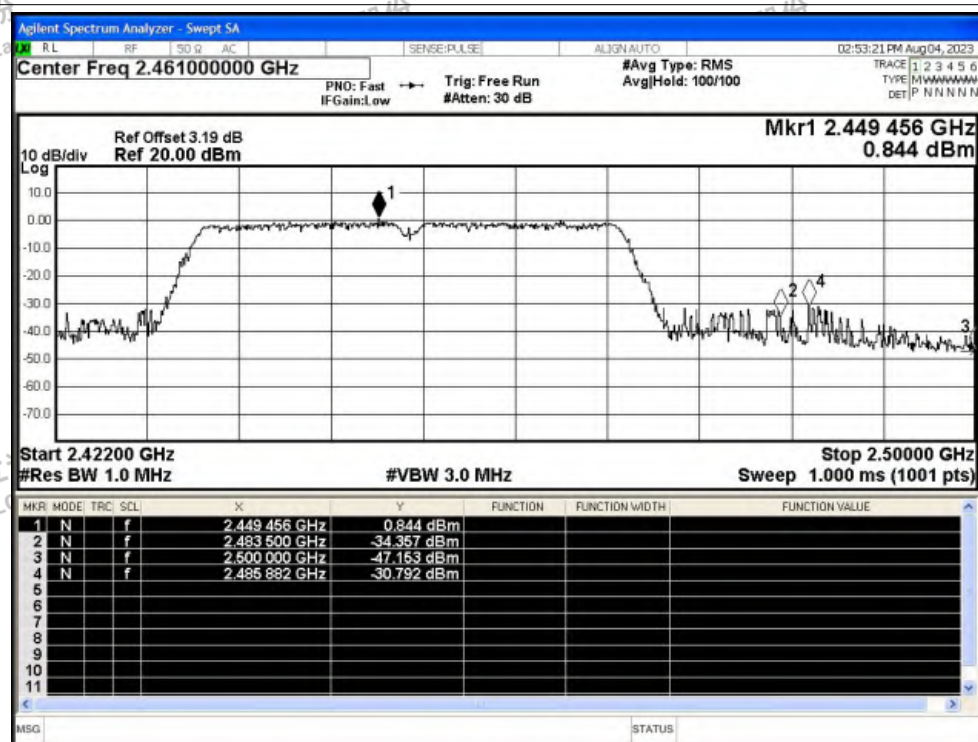
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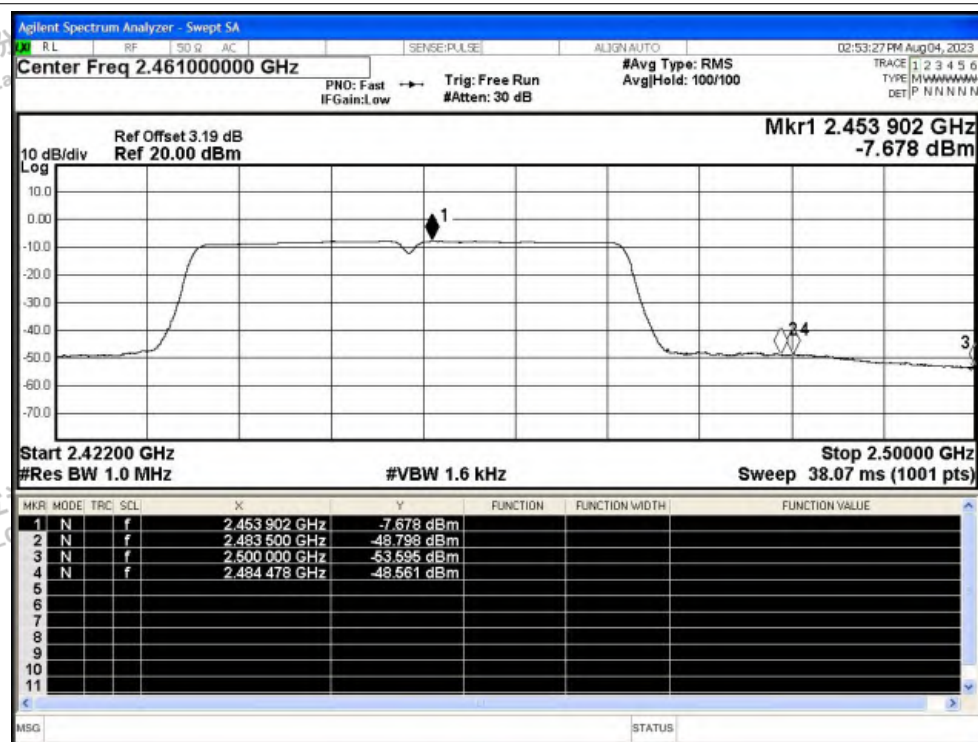
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## Restrict Band NVNT n40 2452MHz Ant1 Peak



## Restrict Band NVNT n40 2452MHz Ant1 Average



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