



Appendix A

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: production sample test1

Test Model: LAN Turtle HUB

Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.8°C    |
| Relative Humidity: | 52.1%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Jay Luo   |
| Supervised by:     | Nick Peng |





## A.1 -6dB Bandwidth

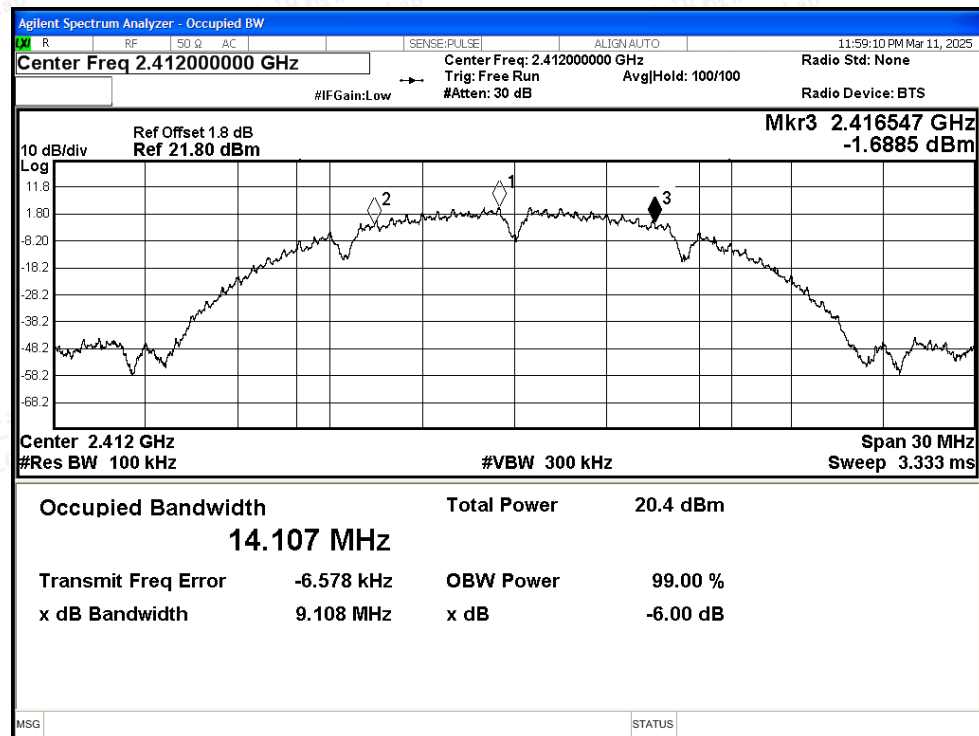
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | b    | 2412            | Ant0    | 9.108                 | $\geq 0.5$                  | Pass    |
| NVNT      | b    | 2437            | Ant0    | 9.998                 | $\geq 0.5$                  | Pass    |
| NVNT      | b    | 2462            | Ant0    | 10.007                | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2412            | Ant0    | 11.97                 | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2437            | Ant0    | 13.861                | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2462            | Ant0    | 13.802                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2412            | Ant0    | 13.985                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2437            | Ant0    | 14.998                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2462            | Ant0    | 15.063                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2422            | Ant0    | 33.804                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2437            | Ant0    | 35.079                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2452            | Ant0    | 35.014                | $\geq 0.5$                  | Pass    |



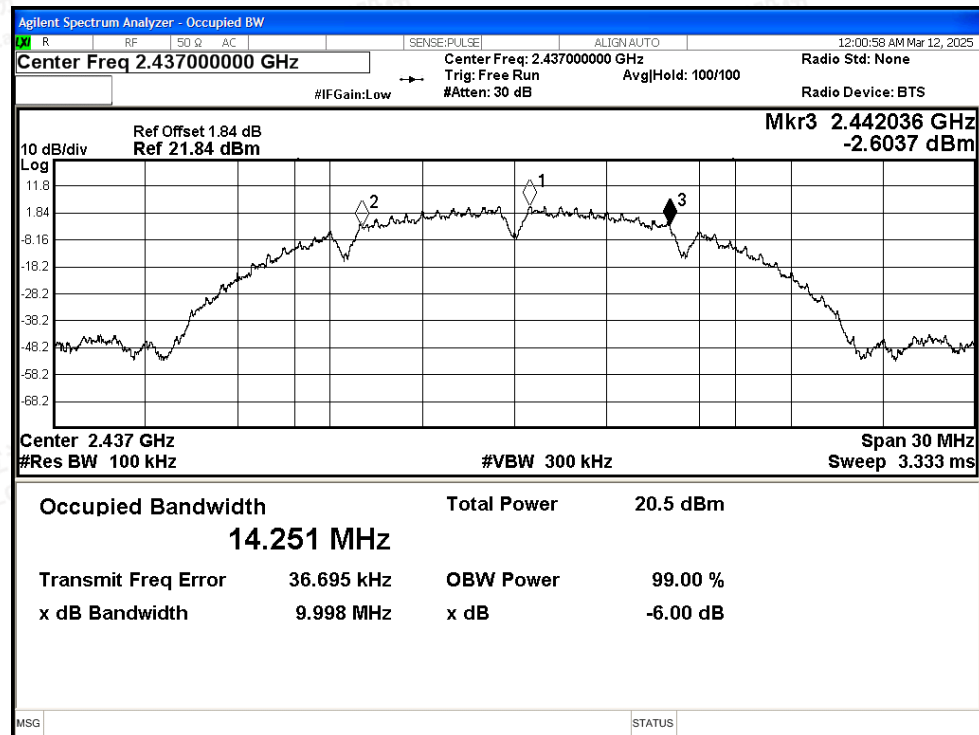


## Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant0



-6dB Bandwidth NVNT b 2437MHz Ant0



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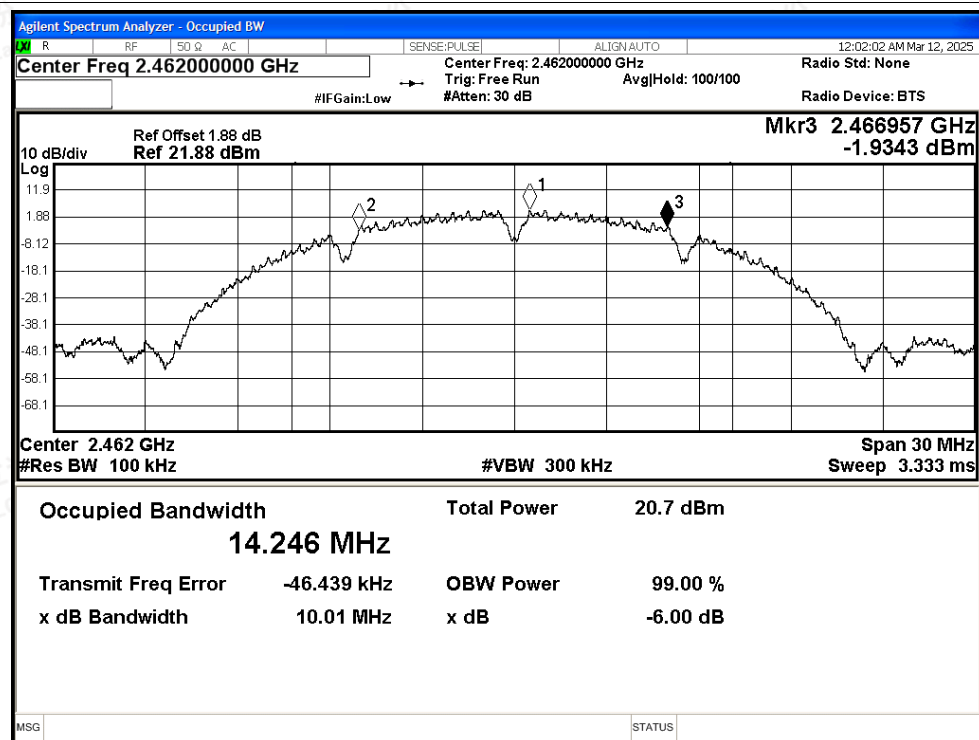
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

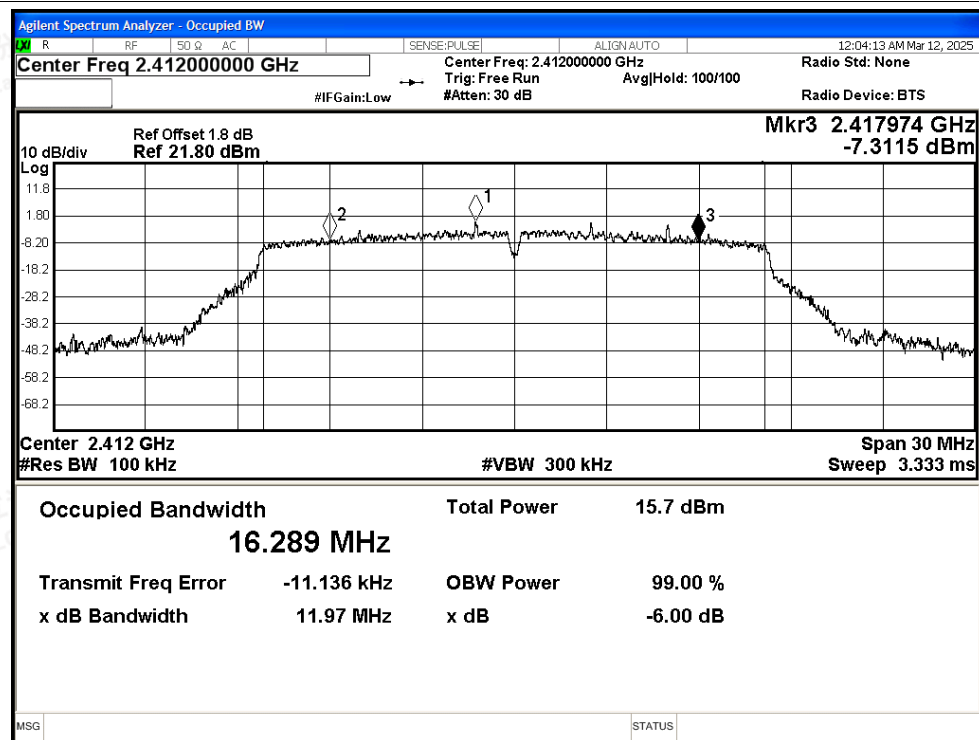
Scan code to check authenticity



## -6dB Bandwidth NVNT b 2462MHz Ant0



## -6dB Bandwidth NVNT g 2412MHz Ant0



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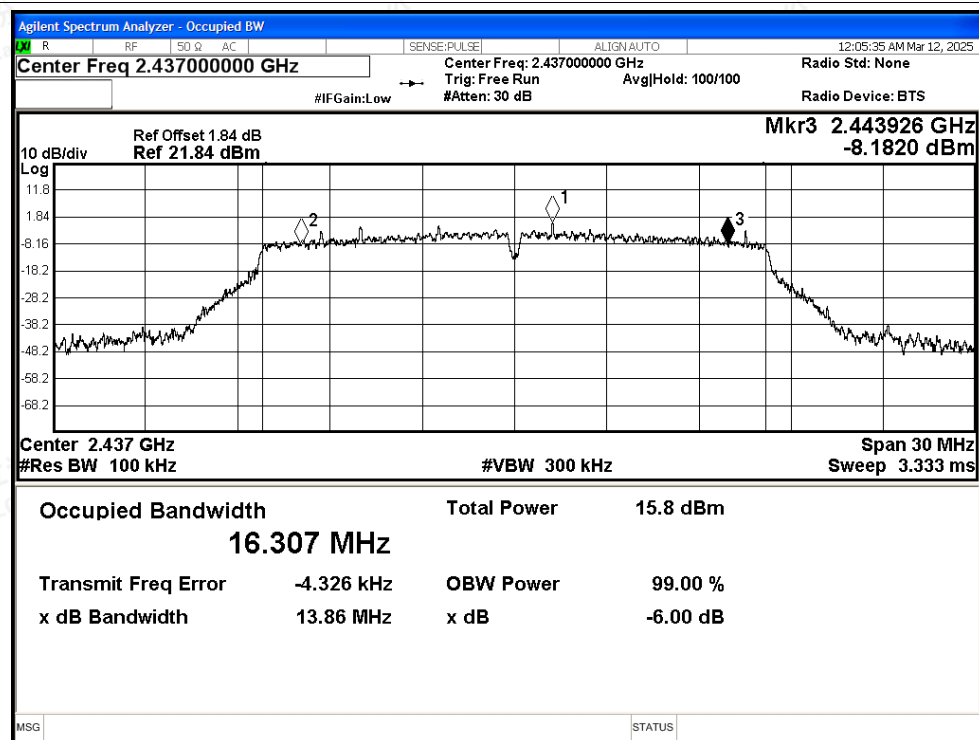
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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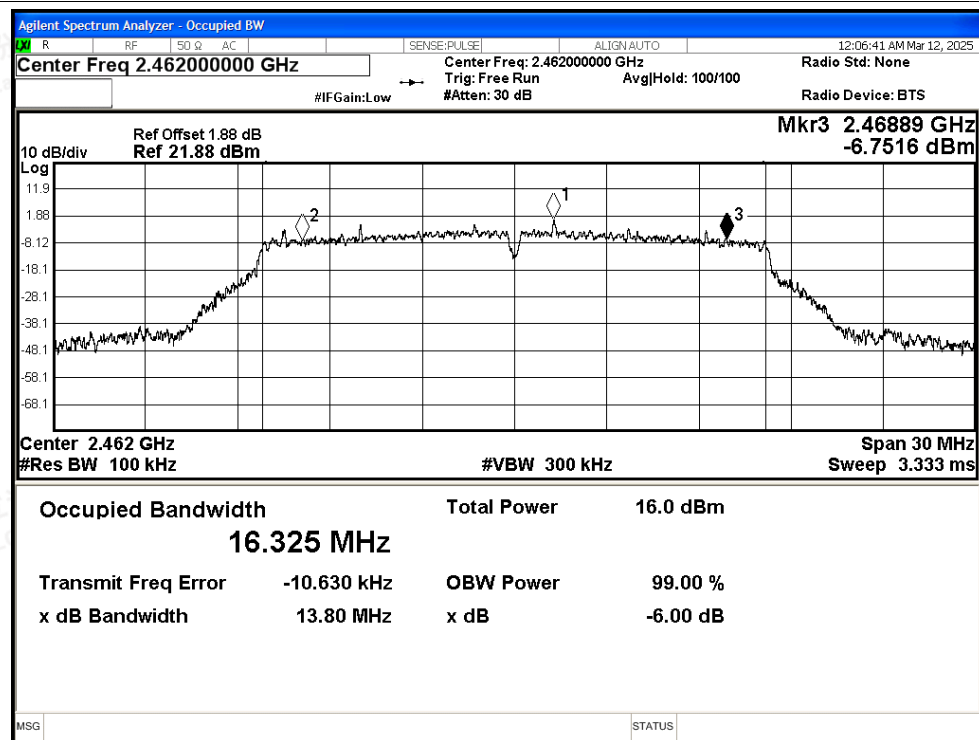
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-6dB Bandwidth NVNT g 2437MHz Ant0



-6dB Bandwidth NVNT g 2462MHz Ant0



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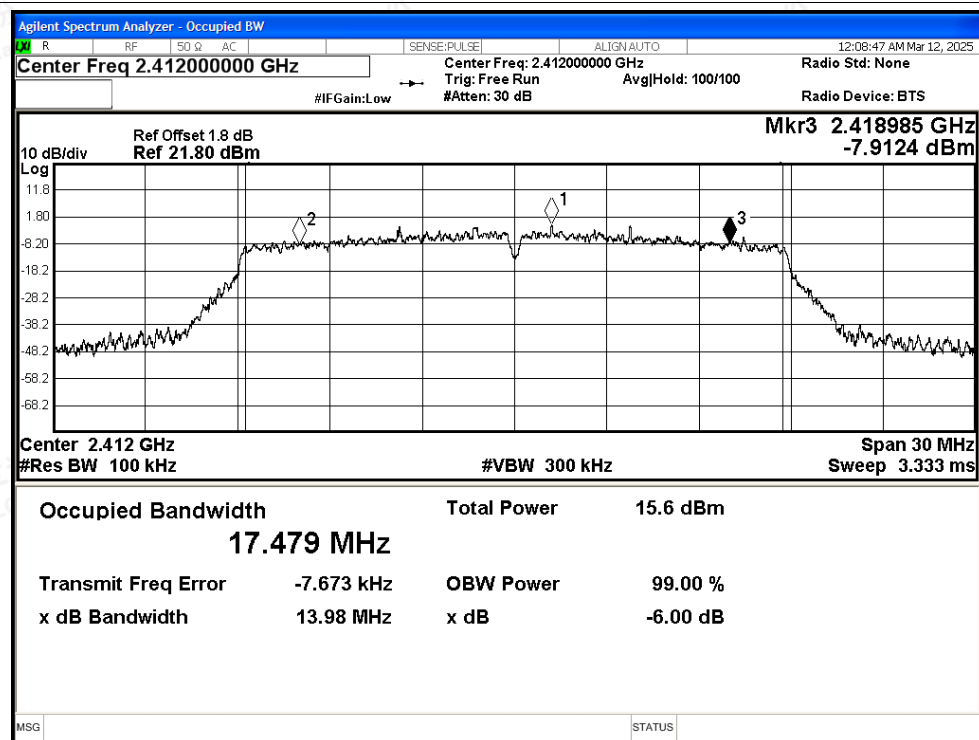
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

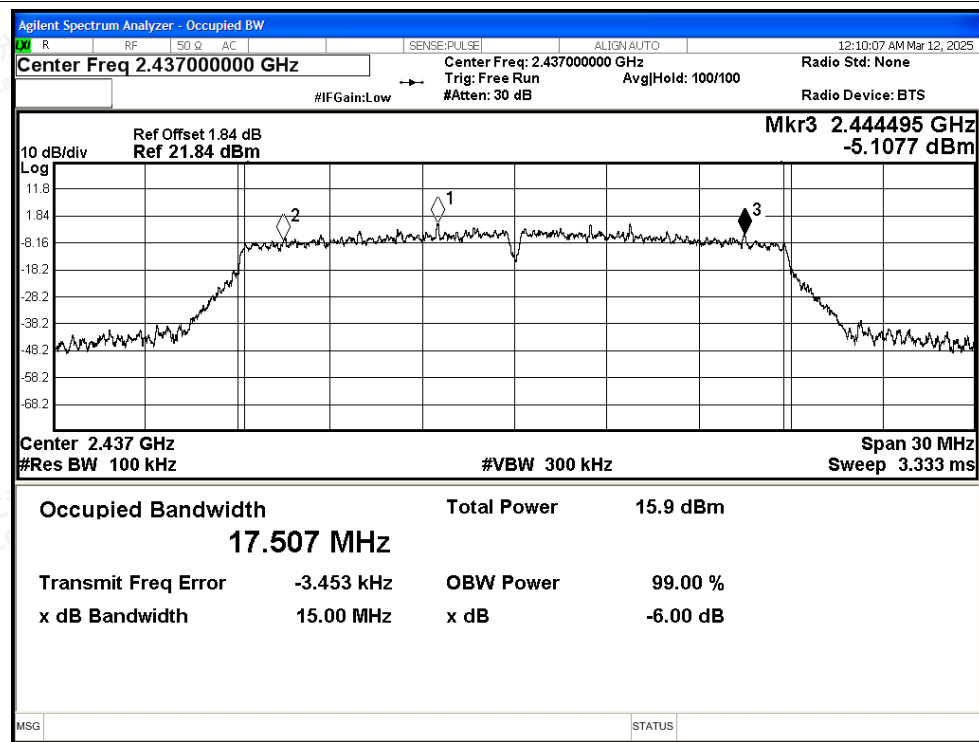
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## -6dB Bandwidth NVNT n20 2412MHz Ant0



## -6dB Bandwidth NVNT n20 2437MHz Ant0



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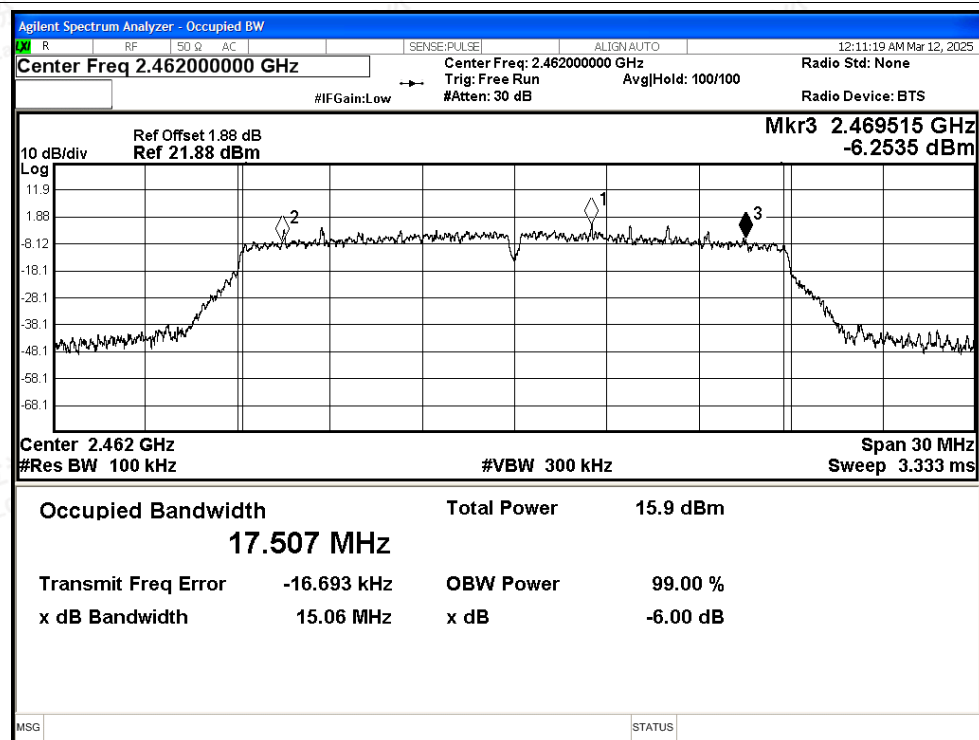
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

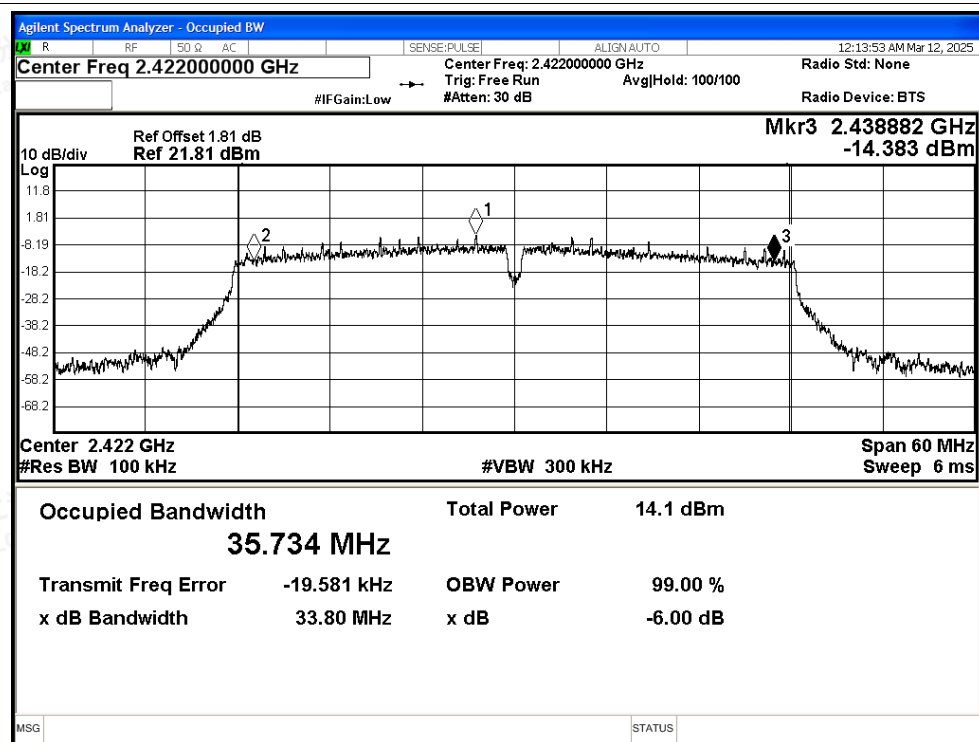
Scan code to check authenticity



## -6dB Bandwidth NVNT n20 2462MHz Ant0



## -6dB Bandwidth NVNT n40 2422MHz Ant0



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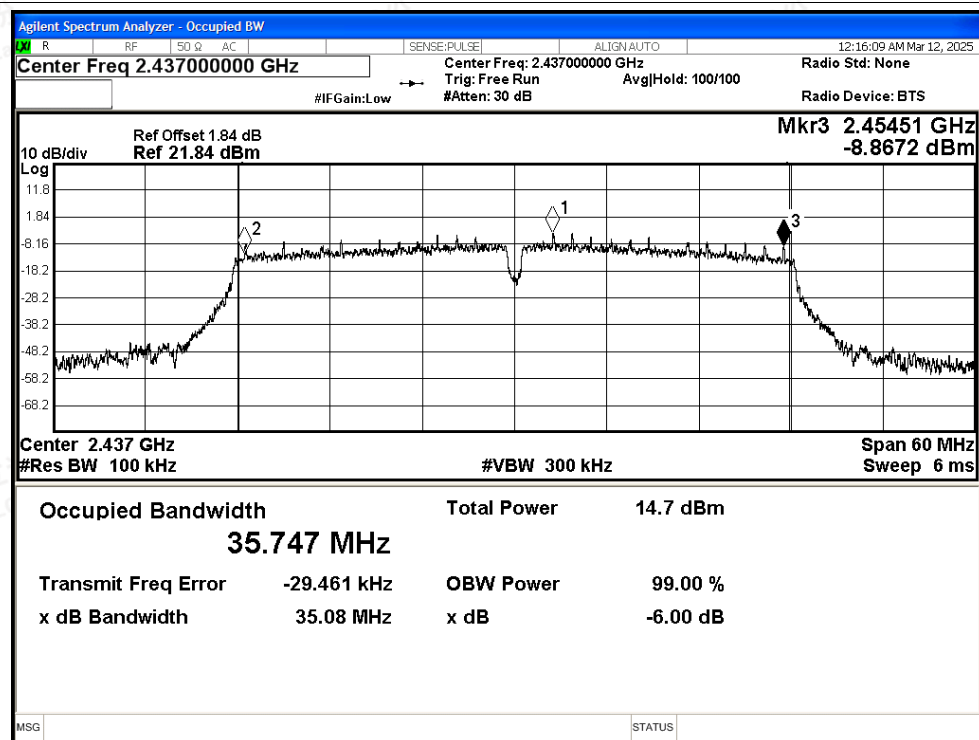
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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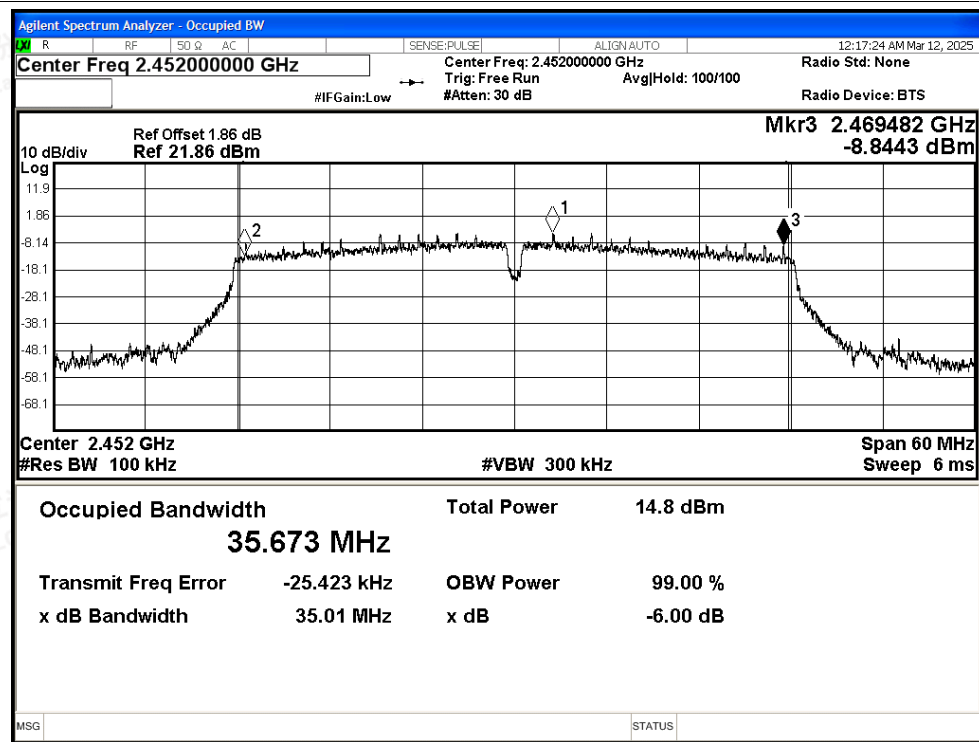
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## -6dB Bandwidth NVNT n40 2437MHz Ant0



## -6dB Bandwidth NVNT n40 2452MHz Ant0



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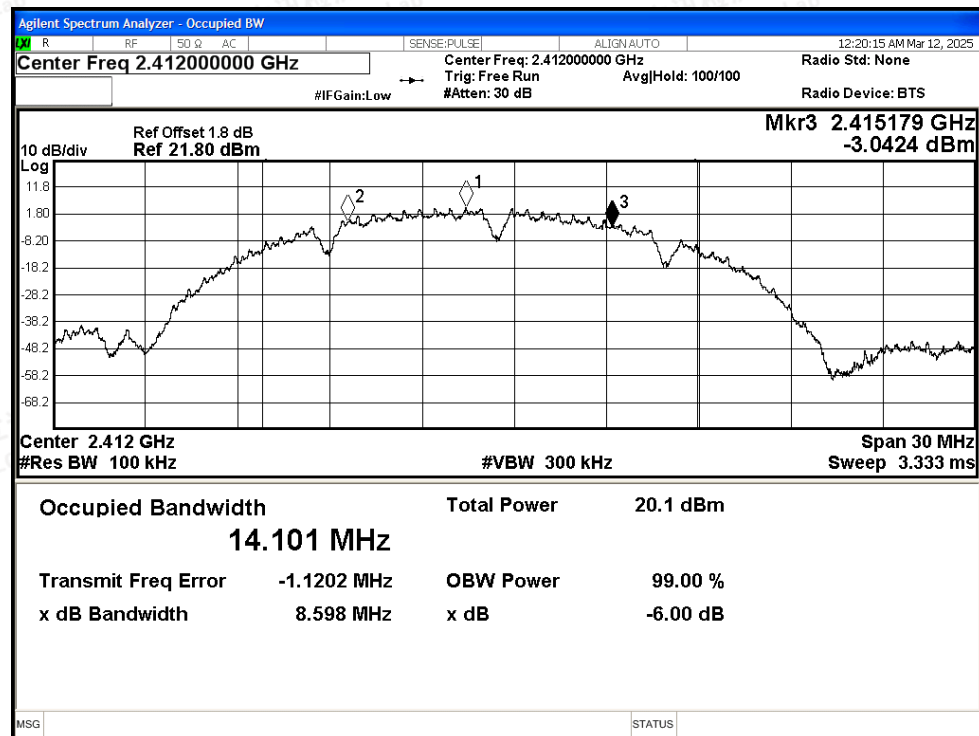
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | b    | 2412            | Ant1    | 8.598                 | $\geq 0.5$                  | Pass    |
| NVNT      | b    | 2437            | Ant1    | 9.557                 | $\geq 0.5$                  | Pass    |
| NVNT      | b    | 2462            | Ant1    | 10.027                | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2412            | Ant1    | 14.379                | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2437            | Ant1    | 15.03                 | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2462            | Ant1    | 12.583                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 15.088                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 15.063                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 15.077                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 35.049                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2437            | Ant1    | 33.85                 | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2452            | Ant1    | 33.851                | $\geq 0.5$                  | Pass    |



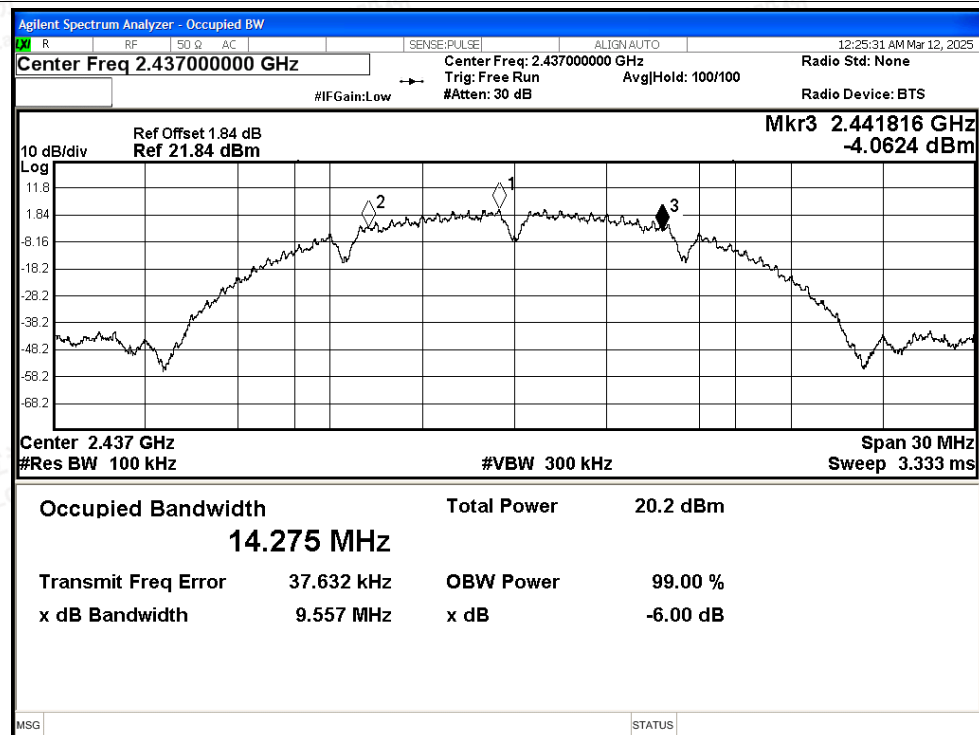


## Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1



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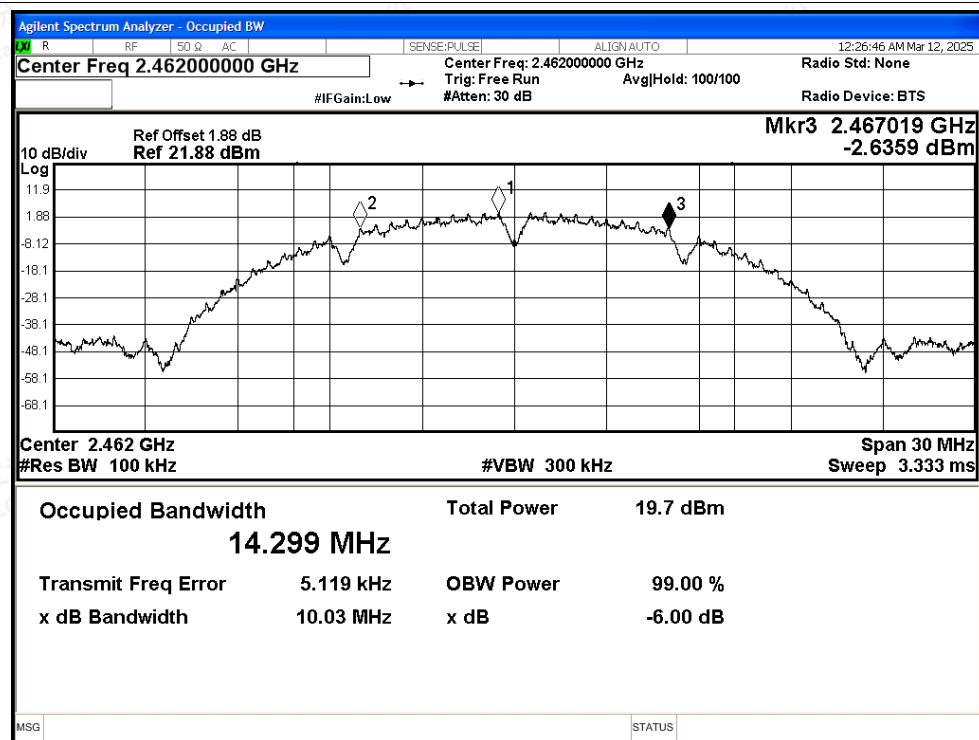
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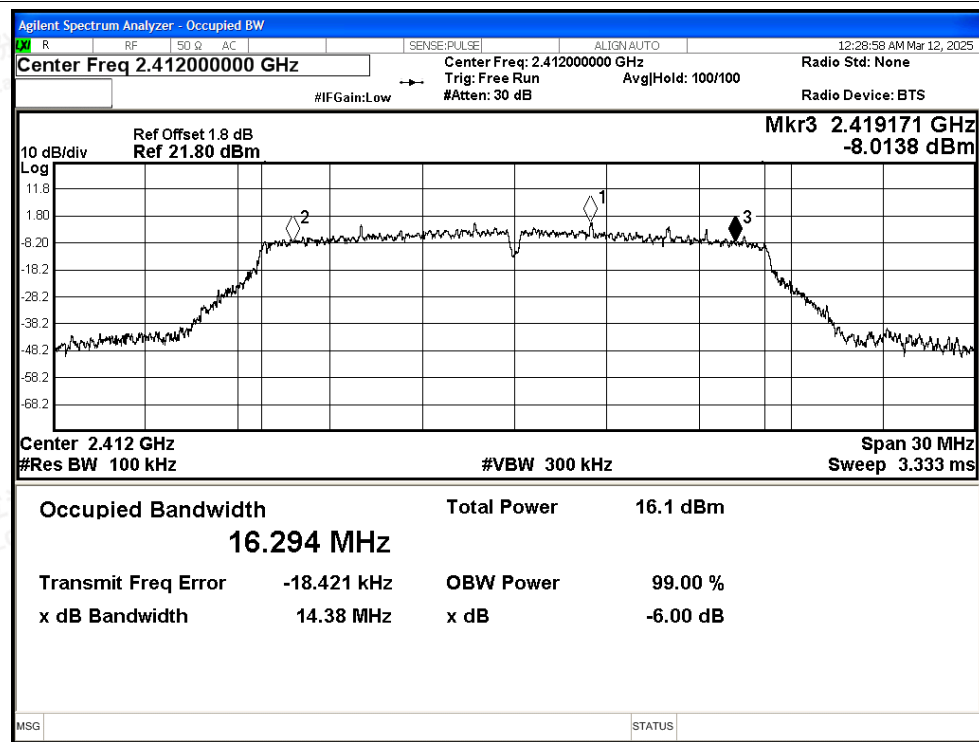
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## -6dB Bandwidth NVNT b 2462MHz Ant1



## -6dB Bandwidth NVNT g 2412MHz Ant1



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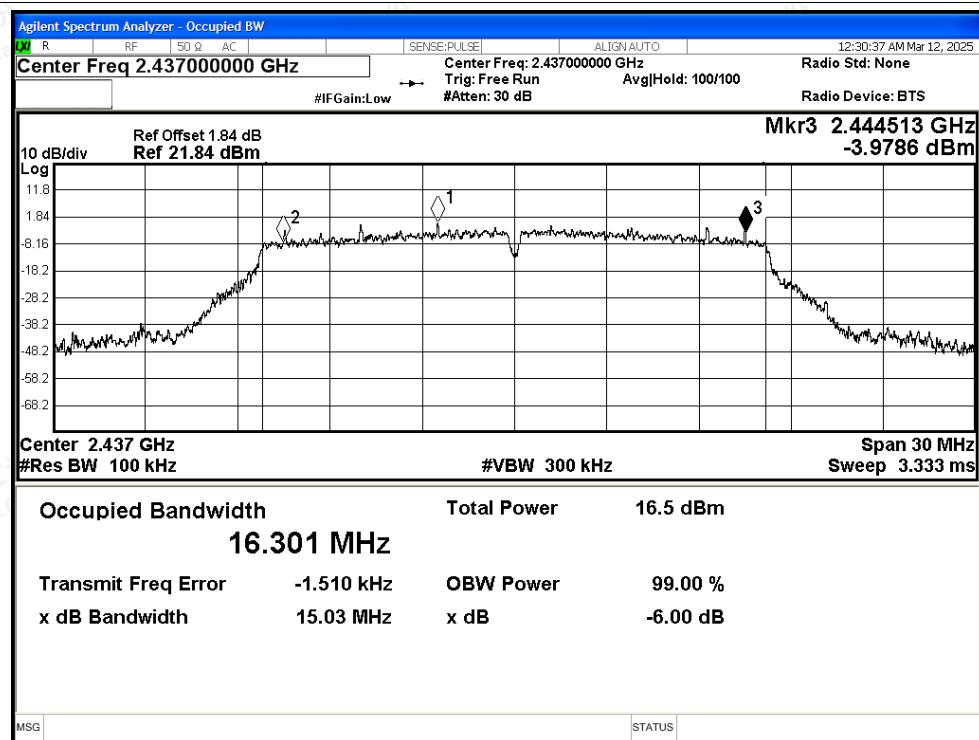
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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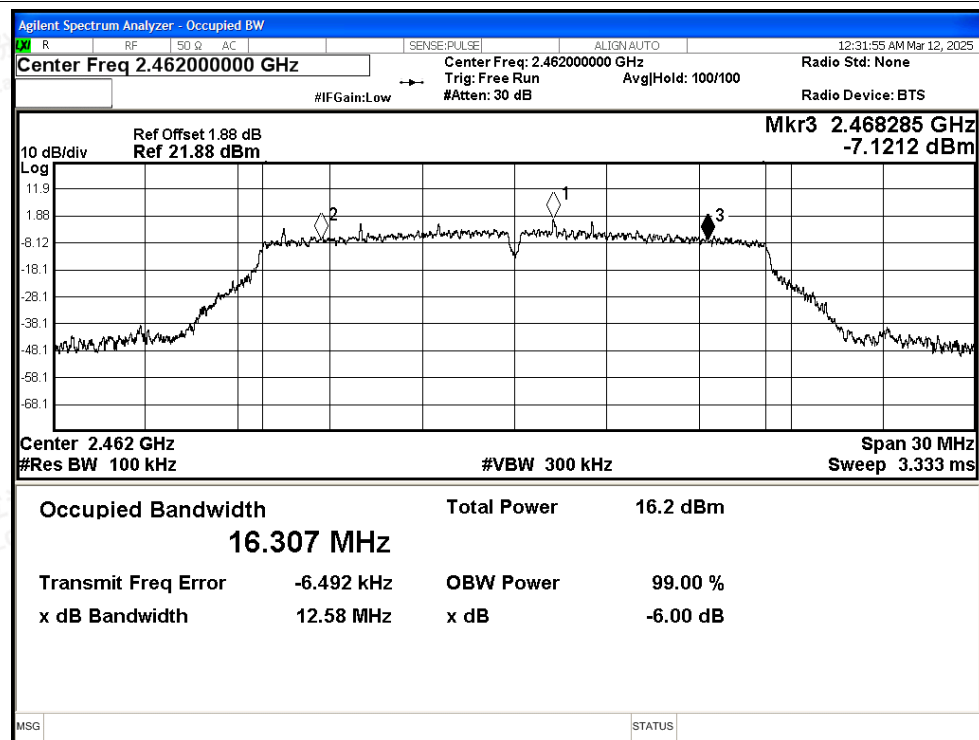
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## -6dB Bandwidth NVNT g 2437MHz Ant1



## -6dB Bandwidth NVNT g 2462MHz Ant1



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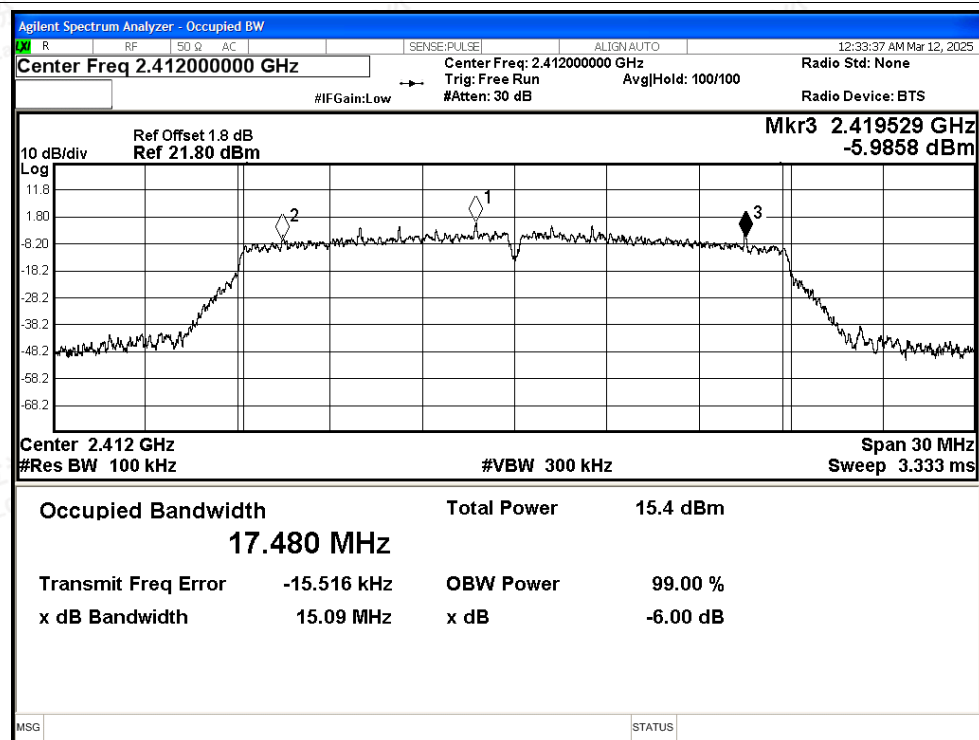
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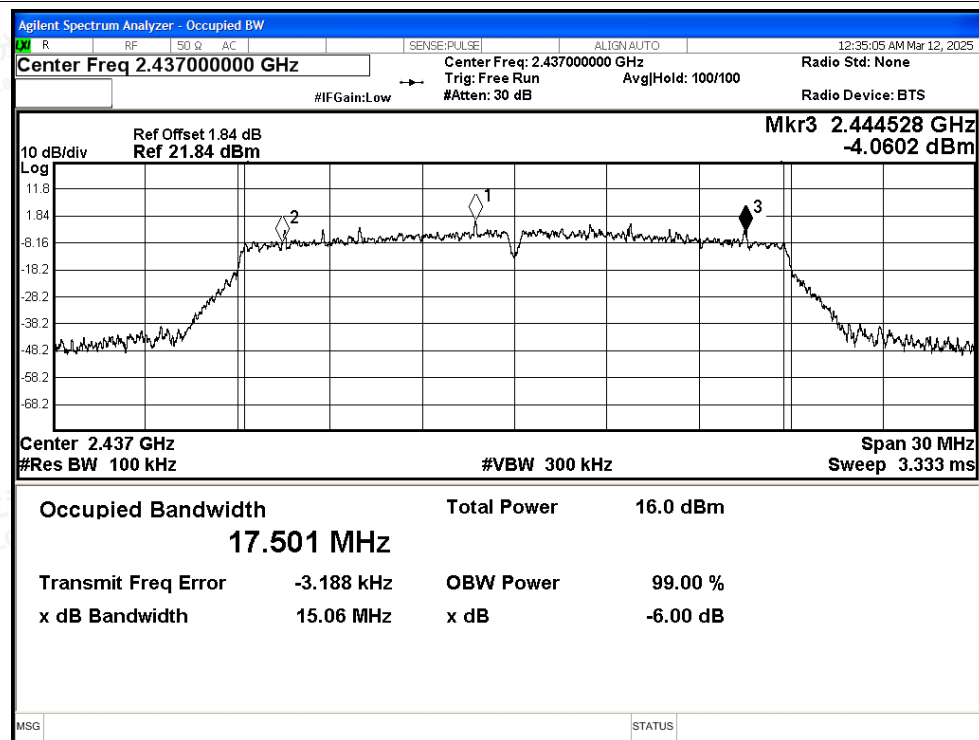
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## -6dB Bandwidth NVNT n20 2412MHz Ant1



## -6dB Bandwidth NVNT n20 2437MHz Ant1



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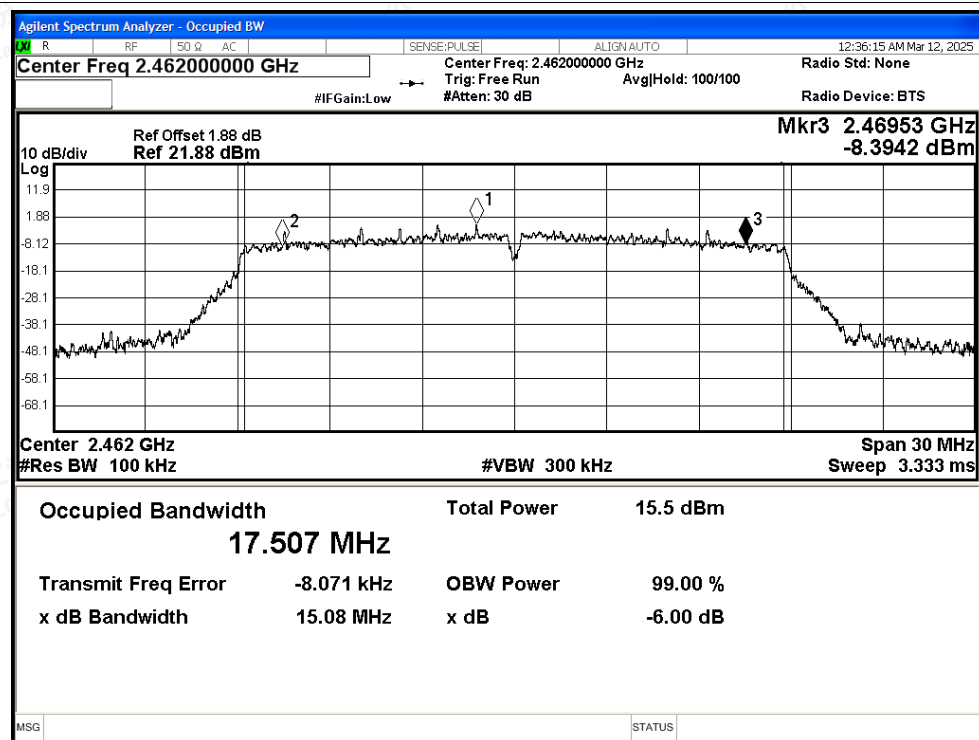
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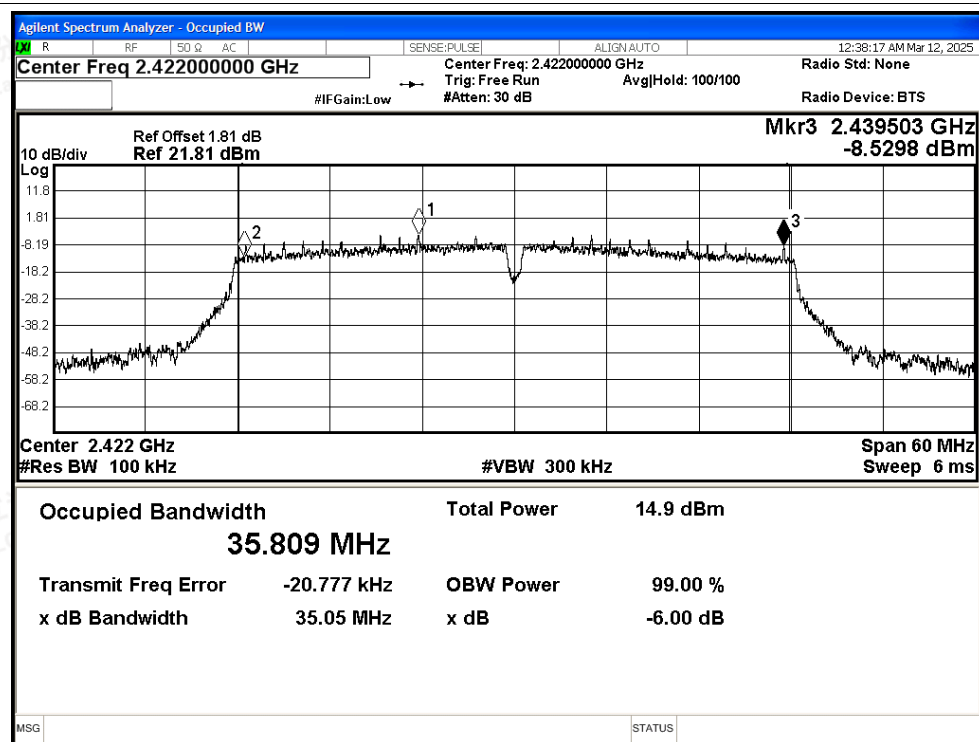
Scan code to check authenticity



## -6dB Bandwidth NVNT n20 2462MHz Ant1



## -6dB Bandwidth NVNT n40 2422MHz Ant1



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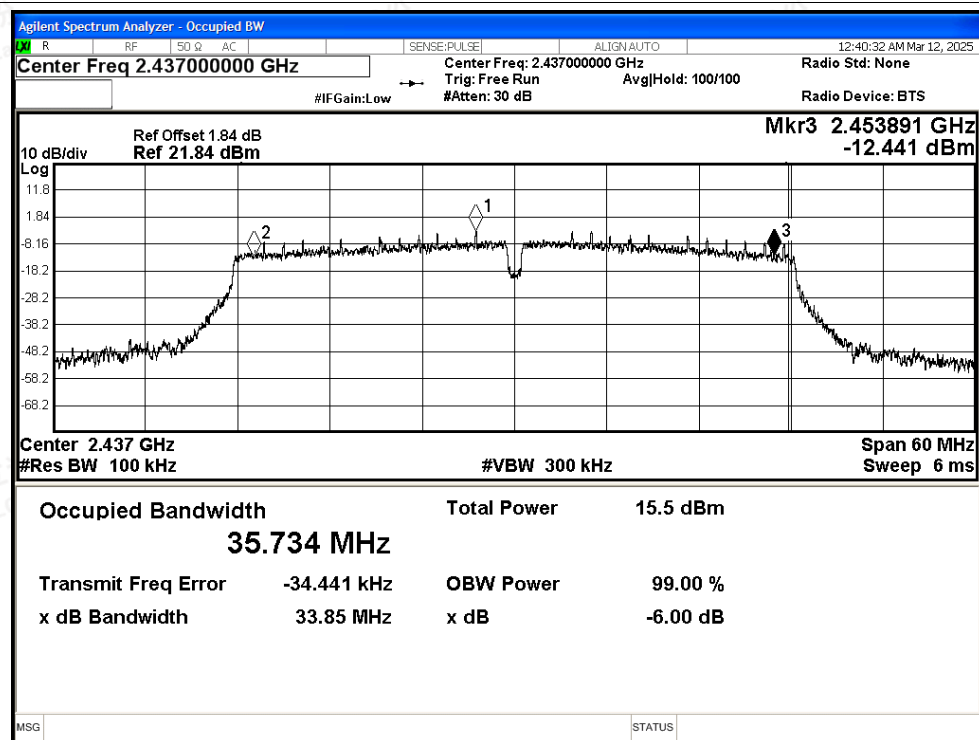
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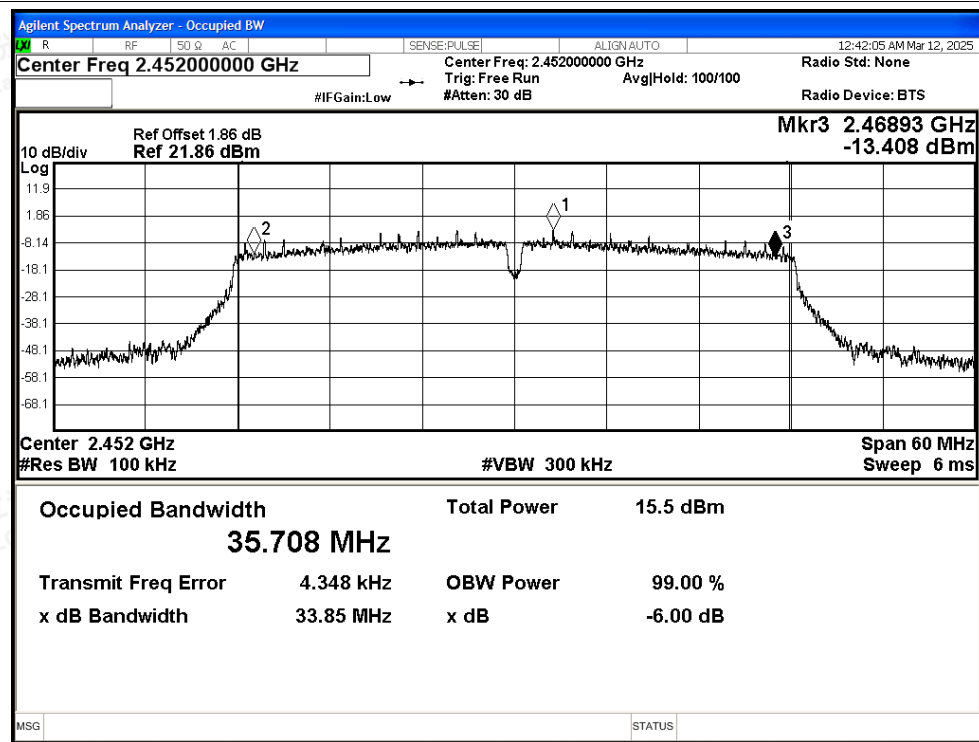
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## -6dB Bandwidth NVNT n40 2437MHz Ant1



## -6dB Bandwidth NVNT n40 2452MHz Ant1



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## A.2 Maximum Peak Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | b    | 2412            | Ant0    | 6.32              | 30          | Pass    |
| NVNT      | b    | 2437            | Ant0    | 6.33              | 30          | Pass    |
| NVNT      | b    | 2462            | Ant0    | 6.43              | 30          | Pass    |
| NVNT      | g    | 2412            | Ant0    | 5.6               | 30          | Pass    |
| NVNT      | g    | 2437            | Ant0    | 5.64              | 30          | Pass    |
| NVNT      | g    | 2462            | Ant0    | 5.77              | 30          | Pass    |
| NVNT      | n20  | 2412            | Ant0    | 5.5               | 30          | Pass    |
| NVNT      | n20  | 2437            | Ant0    | 5.7               | 30          | Pass    |
| NVNT      | n20  | 2462            | Ant0    | 5.91              | 30          | Pass    |
| NVNT      | n40  | 2422            | Ant0    | 4.05              | 30          | Pass    |
| NVNT      | n40  | 2437            | Ant0    | 4.11              | 30          | Pass    |
| NVNT      | n40  | 2452            | Ant0    | 4.18              | 30          | Pass    |

| Condition | Mode | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | 6.27              | 30          | Pass    |
| NVNT      | b    | 2437            | Ant1    | 6.08              | 30          | Pass    |
| NVNT      | b    | 2462            | Ant1    | 5.72              | 30          | Pass    |
| NVNT      | g    | 2412            | Ant1    | 5.93              | 30          | Pass    |
| NVNT      | g    | 2437            | Ant1    | 6.25              | 30          | Pass    |
| NVNT      | g    | 2462            | Ant1    | 5.99              | 30          | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 5.39              | 30          | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 5.91              | 30          | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 5.47              | 30          | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 4.35              | 30          | Pass    |
| NVNT      | n40  | 2437            | Ant1    | 4.97              | 30          | Pass    |
| NVNT      | n40  | 2452            | Ant1    | 4.86              | 30          | Pass    |

### MIMO

| Condition | Mode | Frequency (MHz) | Total Power (dBm) |      |           | Limit (dBm) | Verdict |
|-----------|------|-----------------|-------------------|------|-----------|-------------|---------|
|           |      |                 | Ant0              | Ant1 | Ant0+Ant1 |             |         |
| NVNT      | n20  | 2412            | 5.5               | 5.39 | 8.46      | 30          | Pass    |
| NVNT      | n20  | 2437            | 5.7               | 5.91 | 8.82      | 30          | Pass    |
| NVNT      | n20  | 2462            | 5.91              | 5.47 | 8.71      | 30          | Pass    |
| NVNT      | n40  | 2422            | 4.05              | 4.35 | 7.21      | 30          | Pass    |
| NVNT      | n40  | 2437            | 4.11              | 4.97 | 7.57      | 30          | Pass    |
| NVNT      | n40  | 2452            | 4.18              | 4.86 | 7.54      | 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            | Ant0    | -12.07               | 8                | Pass    |
| NVNT      | b    | 2437            | Ant0    | -2.54                | 8                | Pass    |
| NVNT      | b    | 2462            | Ant0    | -10.60               | 8                | Pass    |
| NVNT      | g    | 2412            | Ant0    | -16.83               | 8                | Pass    |
| NVNT      | g    | 2437            | Ant0    | -16.28               | 8                | Pass    |
| NVNT      | g    | 2462            | Ant0    | -16.67               | 8                | Pass    |
| NVNT      | n20  | 2412            | Ant0    | -16.10               | 8                | Pass    |
| NVNT      | n20  | 2437            | Ant0    | -15.37               | 8                | Pass    |
| NVNT      | n20  | 2462            | Ant0    | -16.34               | 8                | Pass    |
| NVNT      | n40  | 2422            | Ant0    | -20.66               | 8                | Pass    |
| NVNT      | n40  | 2437            | Ant0    | -19.48               | 8                | Pass    |
| NVNT      | n40  | 2452            | Ant0    | -19.08               | 8                | Pass    |

| Condition | Mode | Frequency (MHz) | Antenna | Total PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|------|-----------------|---------|----------------------|------------------|---------|
| NVNT      | b    | 2412            | Ant1    | -3.57                | 8                | Pass    |
| NVNT      | b    | 2437            | Ant1    | -11.26               | 8                | Pass    |
| NVNT      | b    | 2462            | Ant1    | 0.54                 | 8                | Pass    |
| NVNT      | g    | 2412            | Ant1    | -15.75               | 8                | Pass    |
| NVNT      | g    | 2437            | Ant1    | -15.12               | 8                | Pass    |
| NVNT      | g    | 2462            | Ant1    | -16.61               | 8                | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -14.52               | 8                | Pass    |
| NVNT      | n20  | 2437            | Ant1    | -16.24               | 8                | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -16.02               | 8                | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -19.47               | 8                | Pass    |
| NVNT      | n40  | 2437            | Ant1    | -19.18               | 8                | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -19.46               | 8                | Pass    |

#### MIMO

| Condition | Mode | Frequency (MHz) | Total PSD (dBm/3kHz) |        |           | Limit (dBm) | Verdict |
|-----------|------|-----------------|----------------------|--------|-----------|-------------|---------|
|           |      |                 | Ant0                 | Ant1   | Ant0+Ant1 |             |         |
| NVNT      | n20  | 2412            | -16.10               | -14.52 | -12.23    | 8           | Pass    |
| NVNT      | n20  | 2437            | -15.37               | -16.24 | -12.77    | 8           | Pass    |
| NVNT      | n20  | 2462            | -16.34               | -16.02 | -13.17    | 8           | Pass    |
| NVNT      | n40  | 2422            | -20.66               | -19.47 | -17.01    | 8           | Pass    |
| NVNT      | n40  | 2437            | -19.48               | -19.18 | -16.32    | 8           | Pass    |
| NVNT      | n40  | 2452            | -19.08               | -19.46 | -16.26    | 8           | Pass    |



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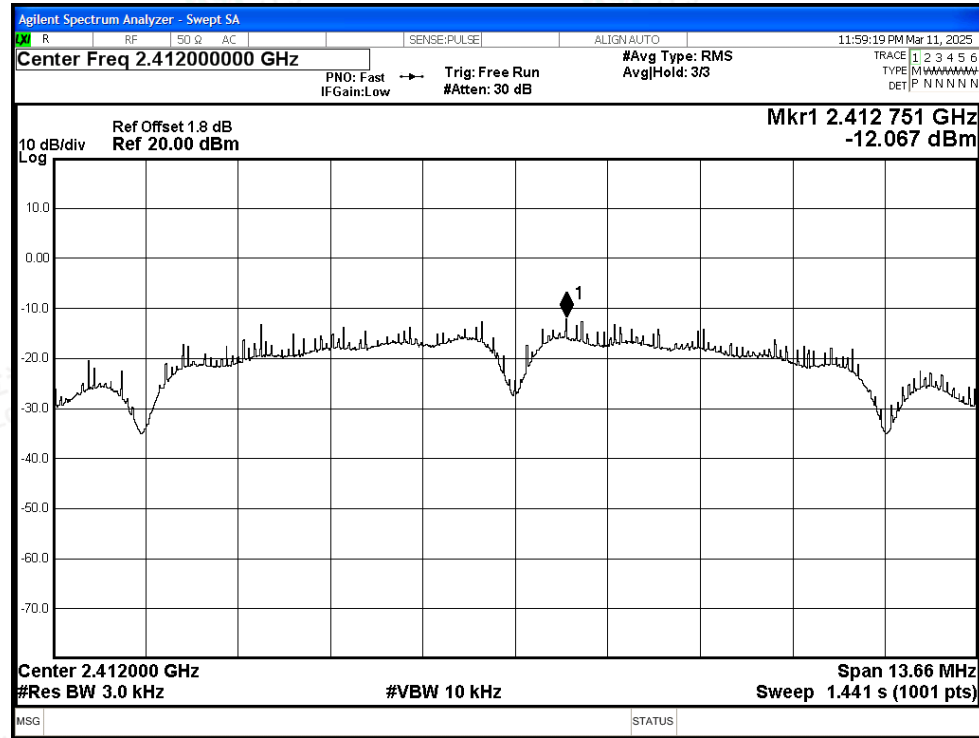
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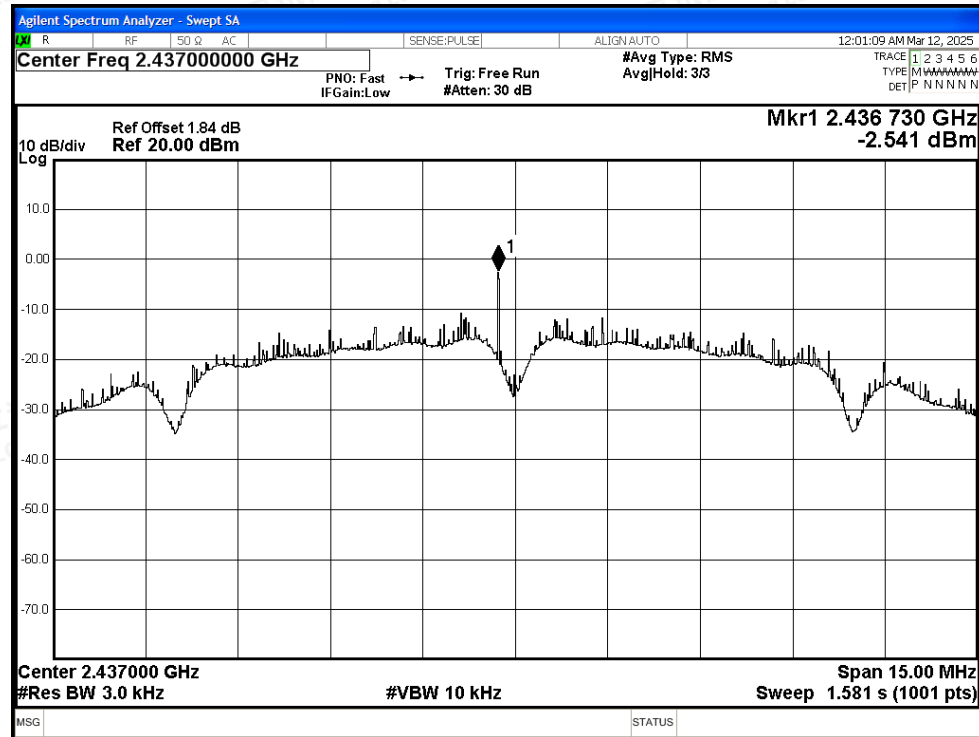


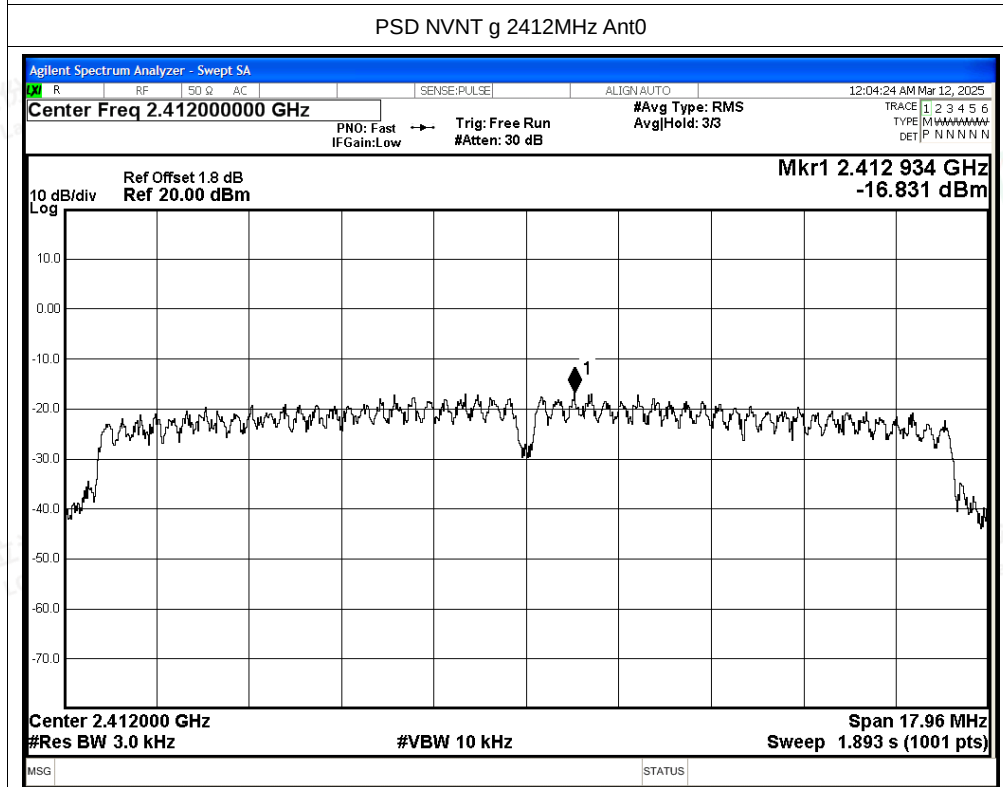
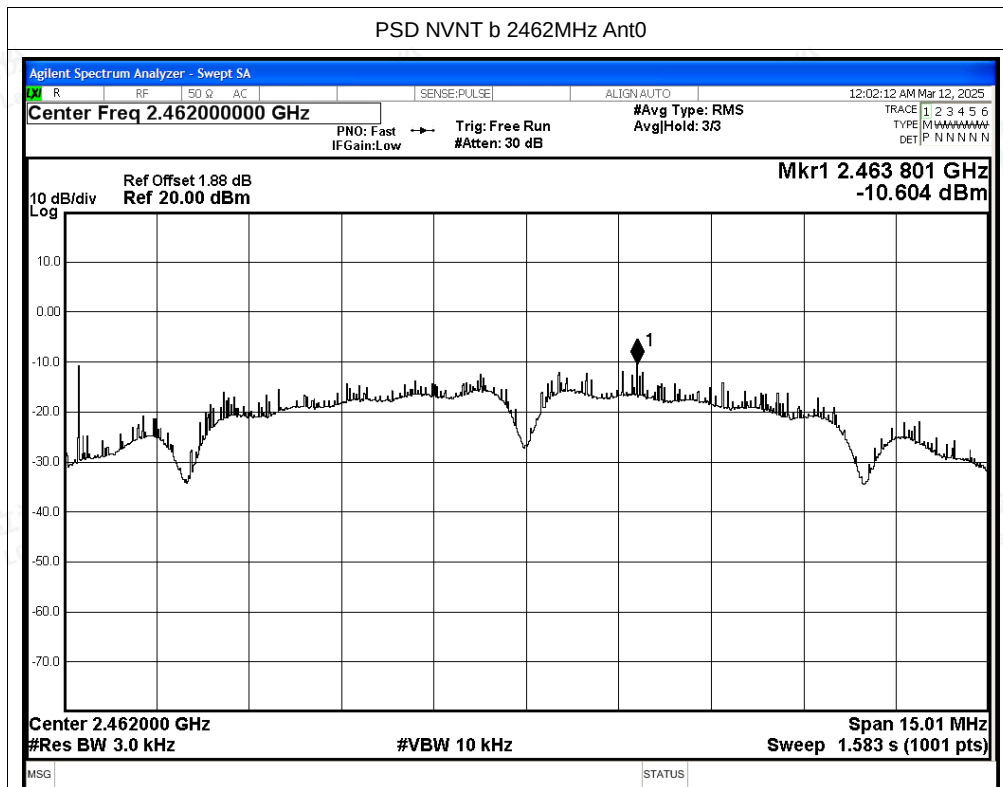
## Test Graphs

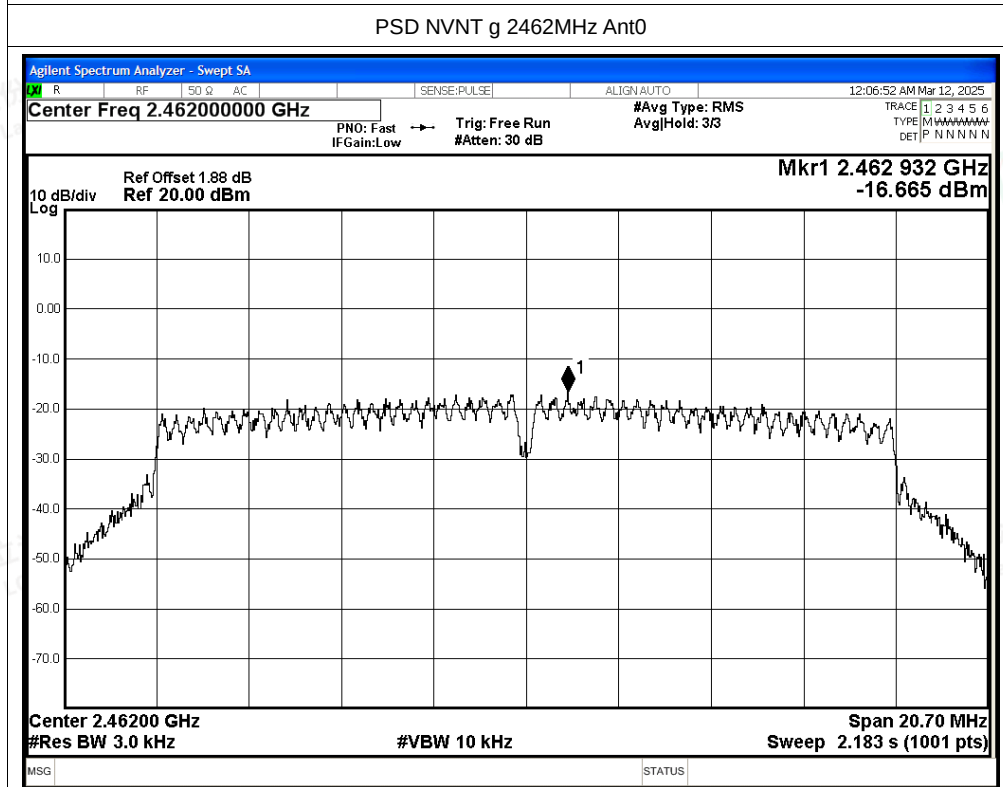
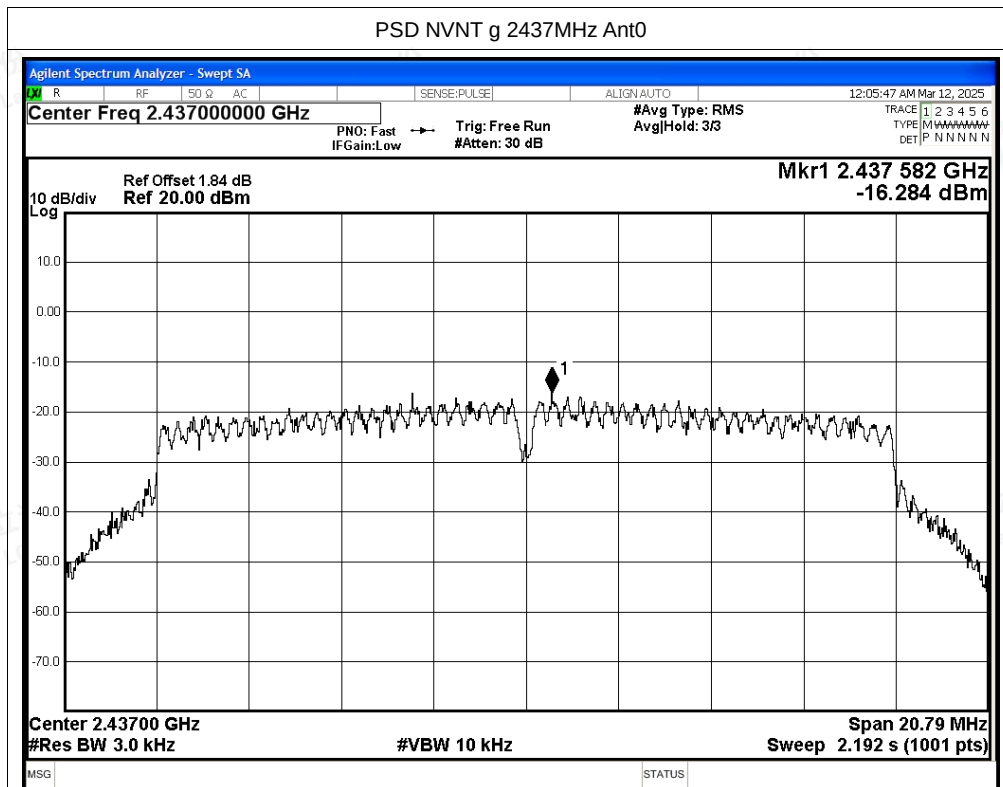
## PSD NVNT b 2412MHz Ant0

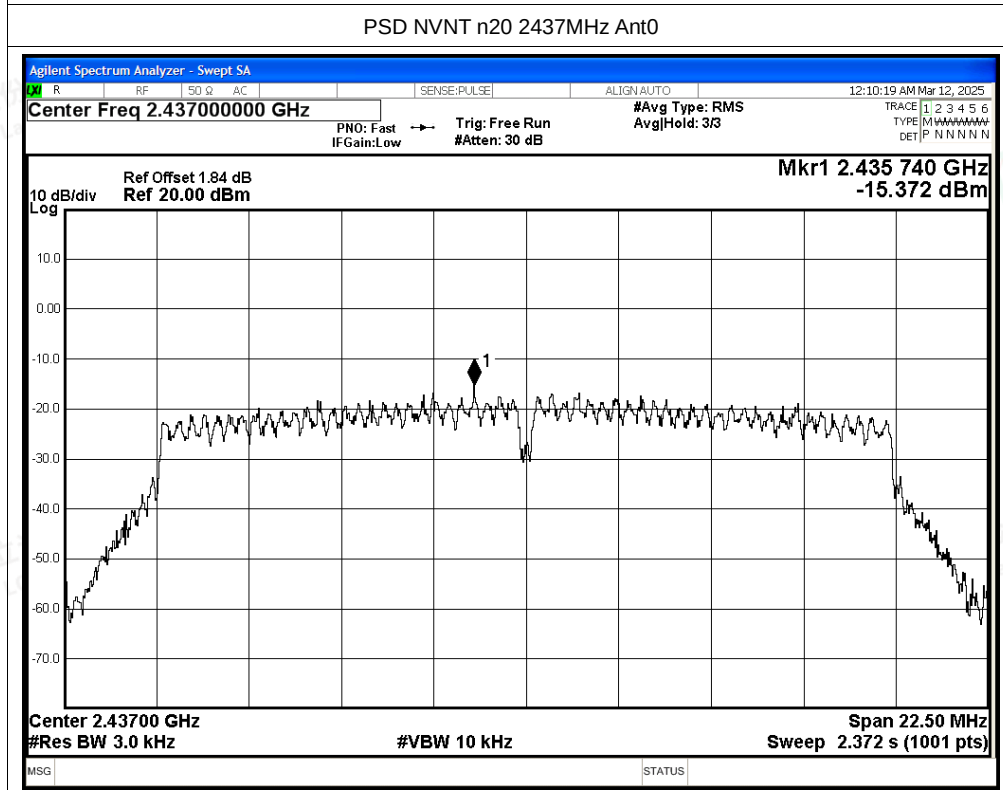
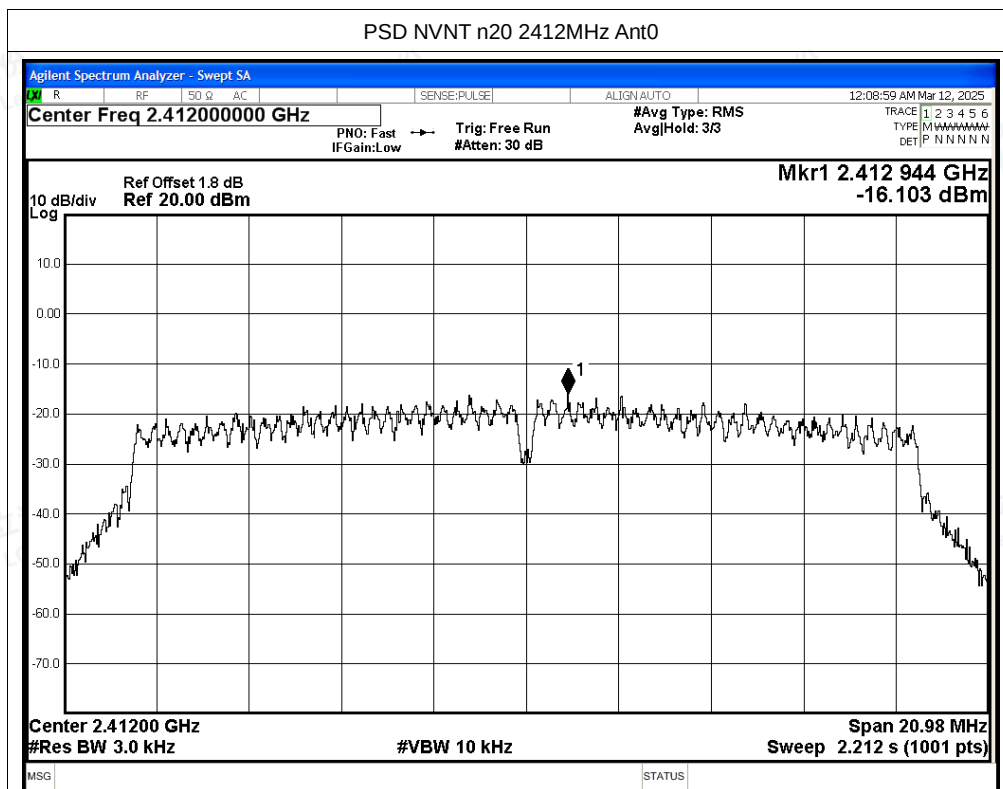


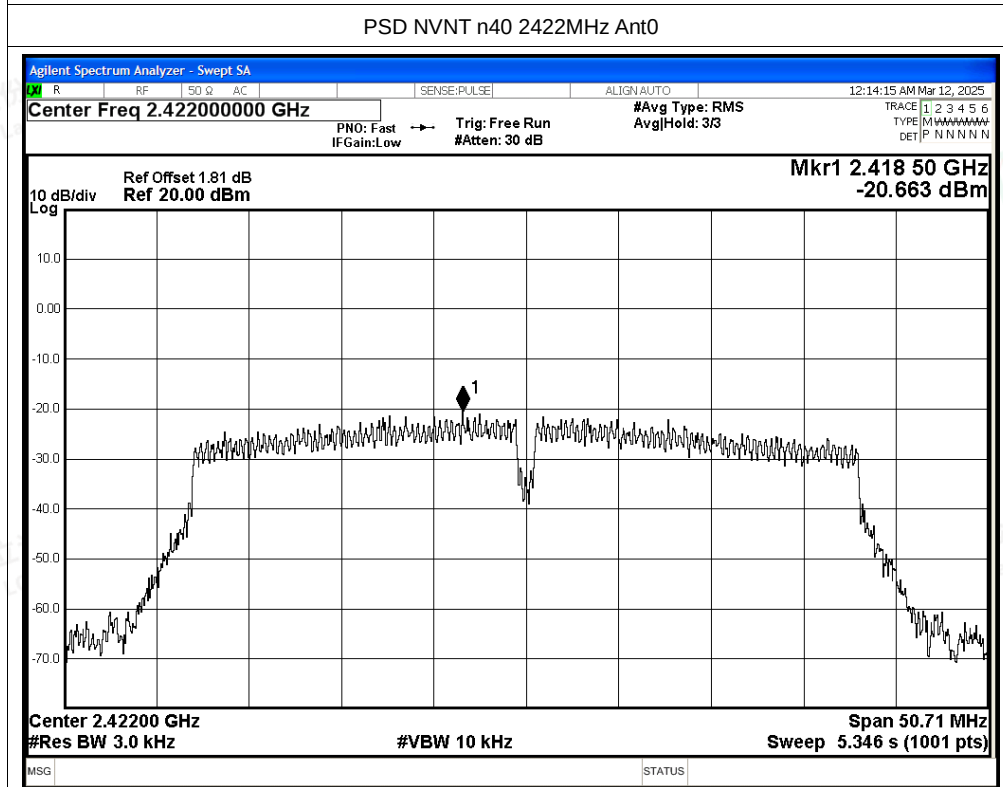
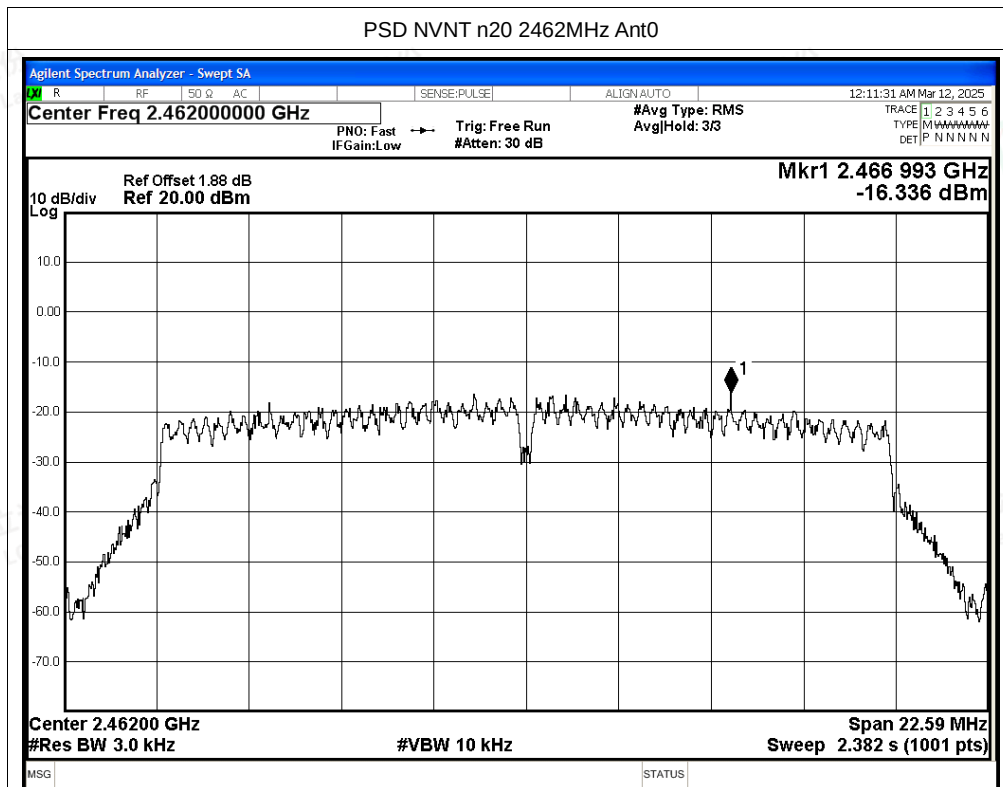
## PSD NVNT b 2437MHz Ant0

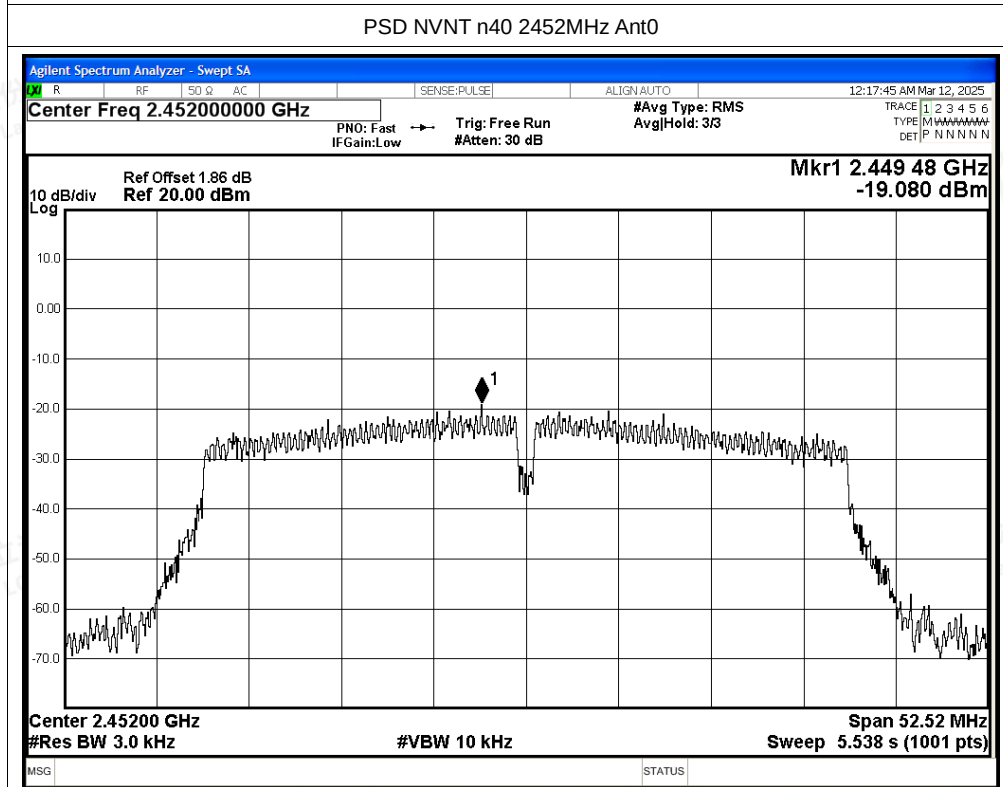
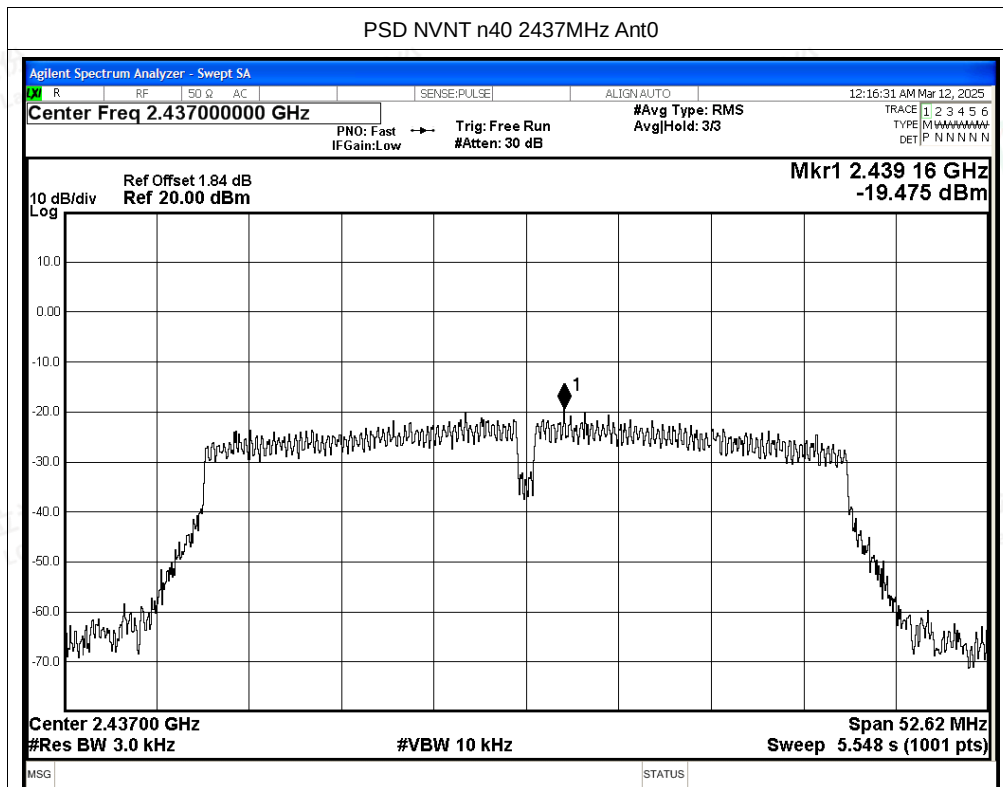


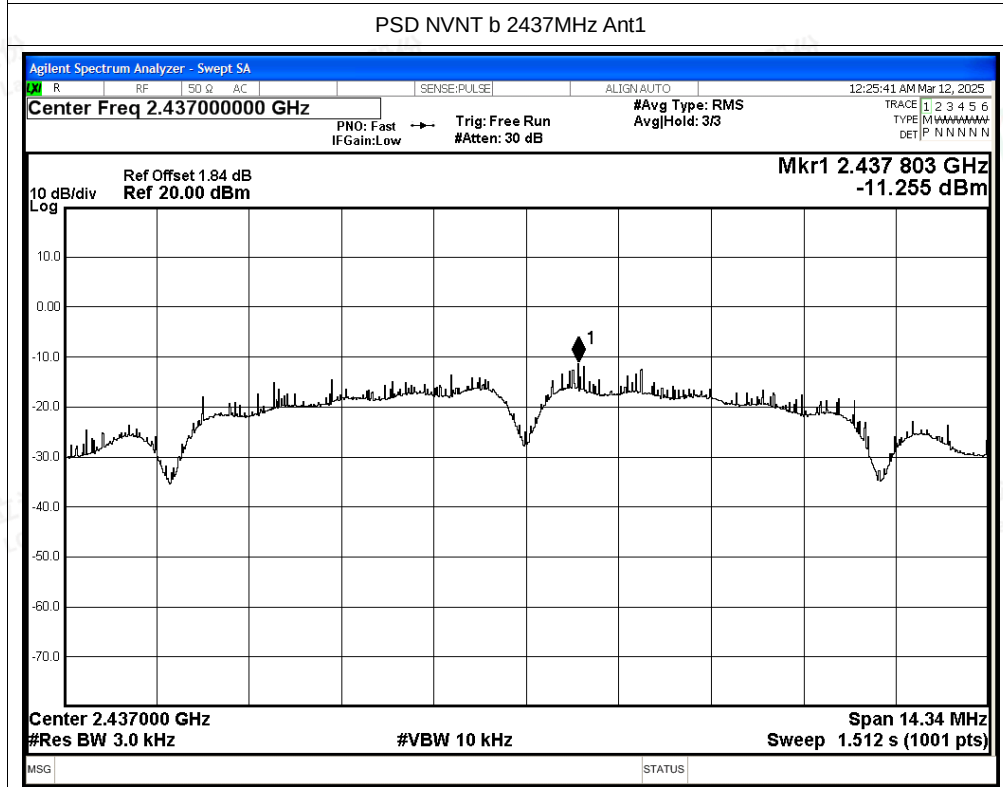
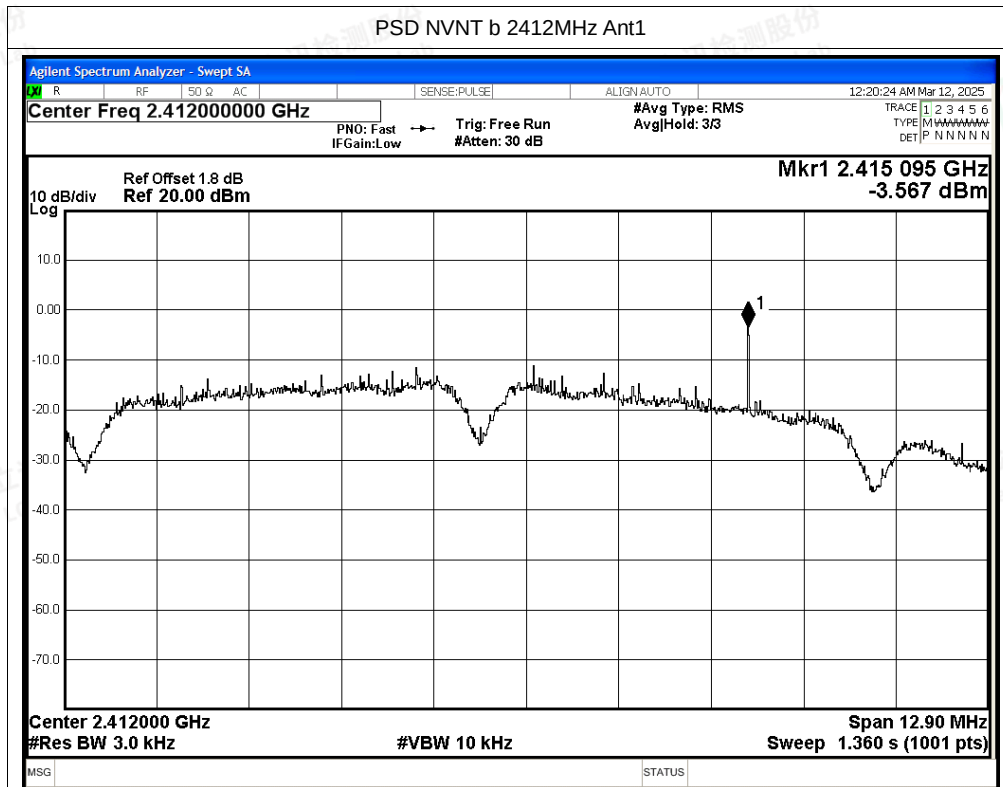




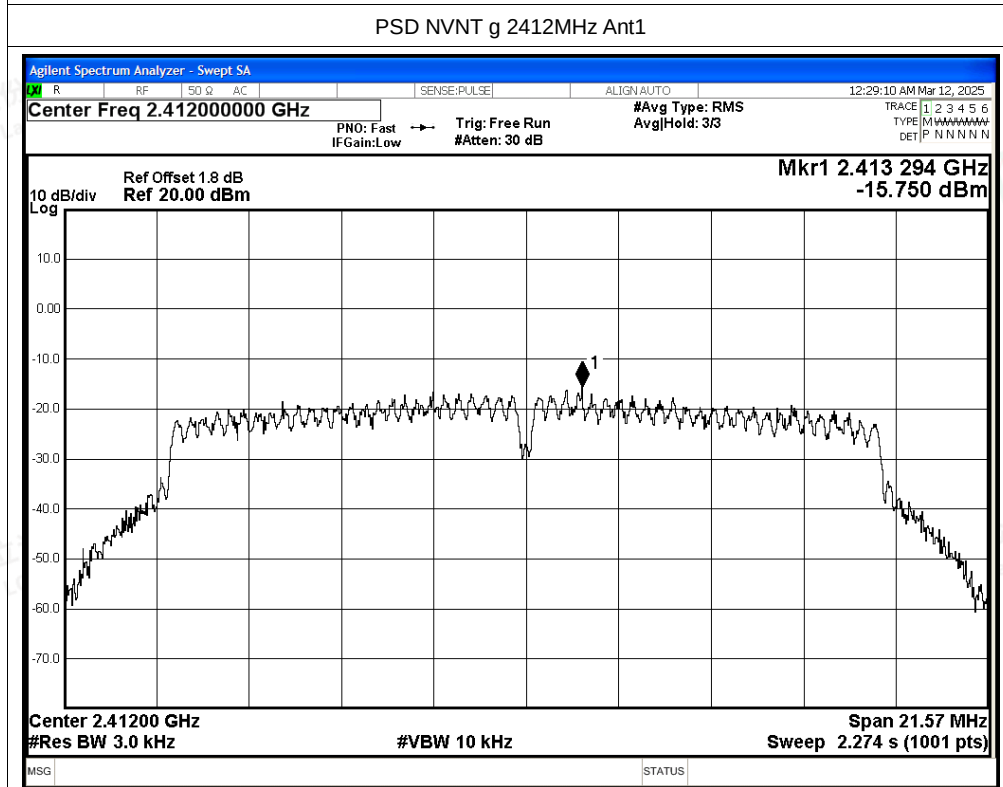
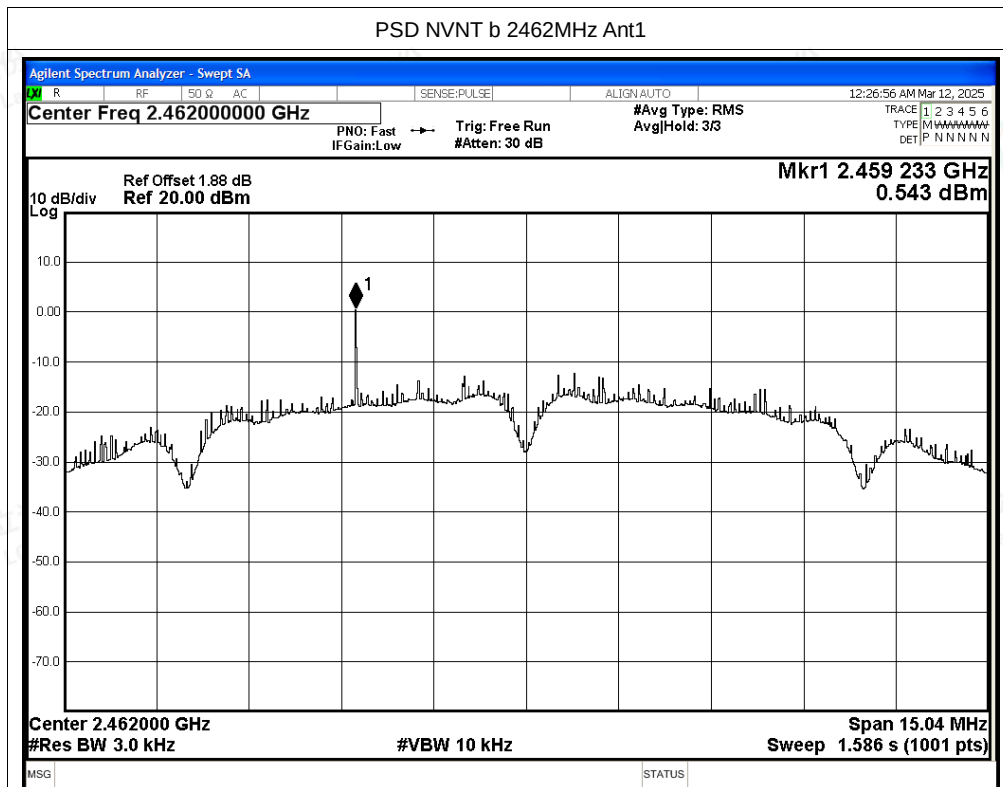






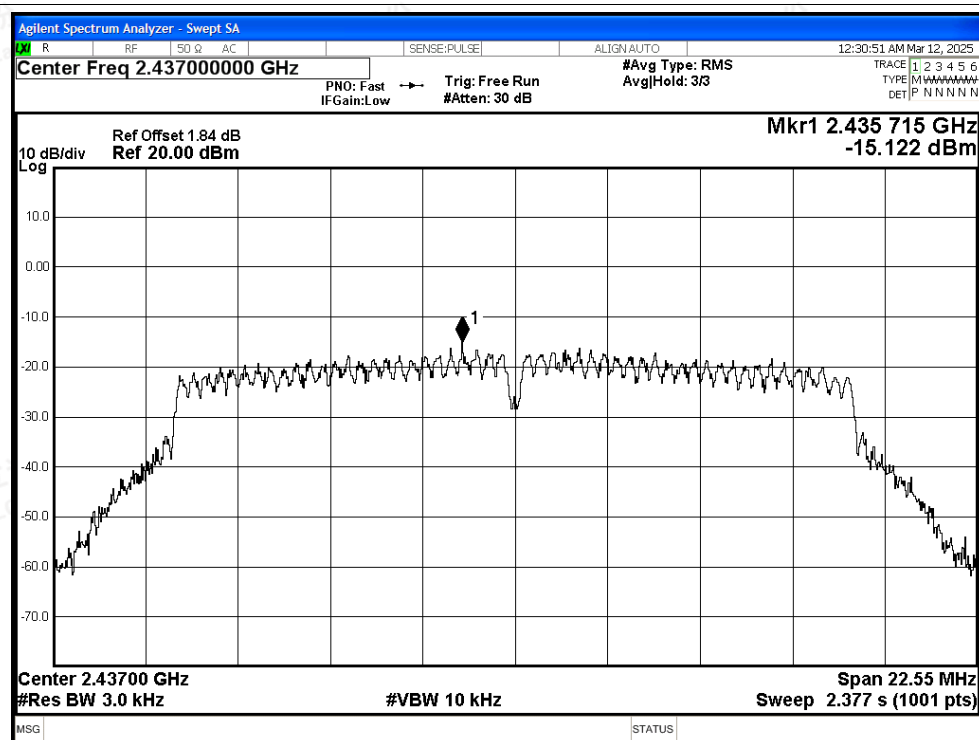




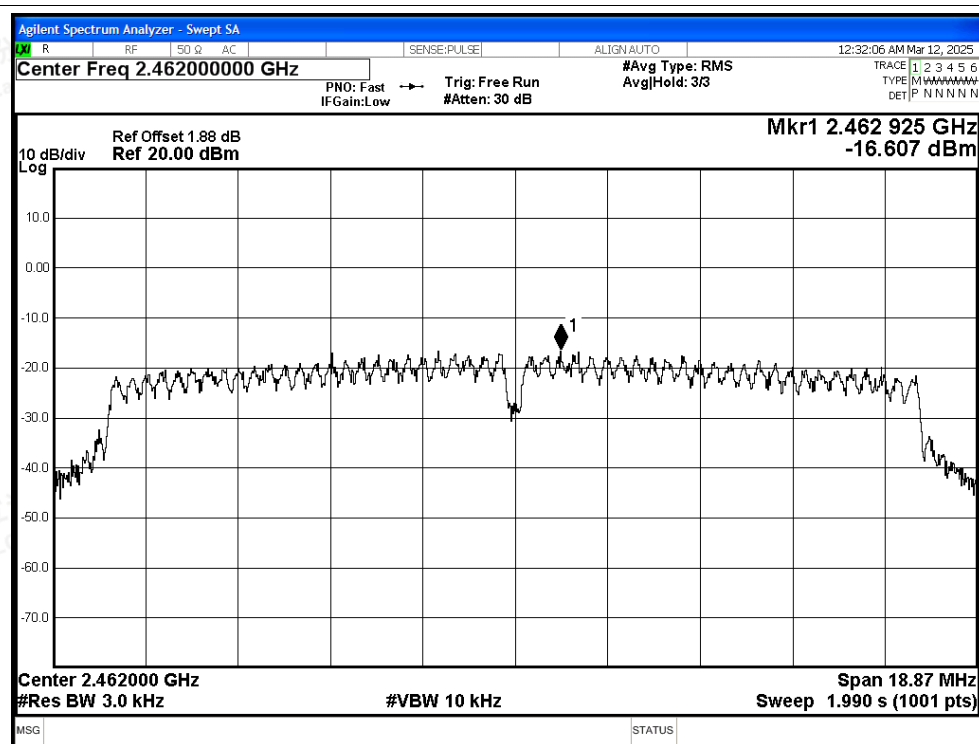


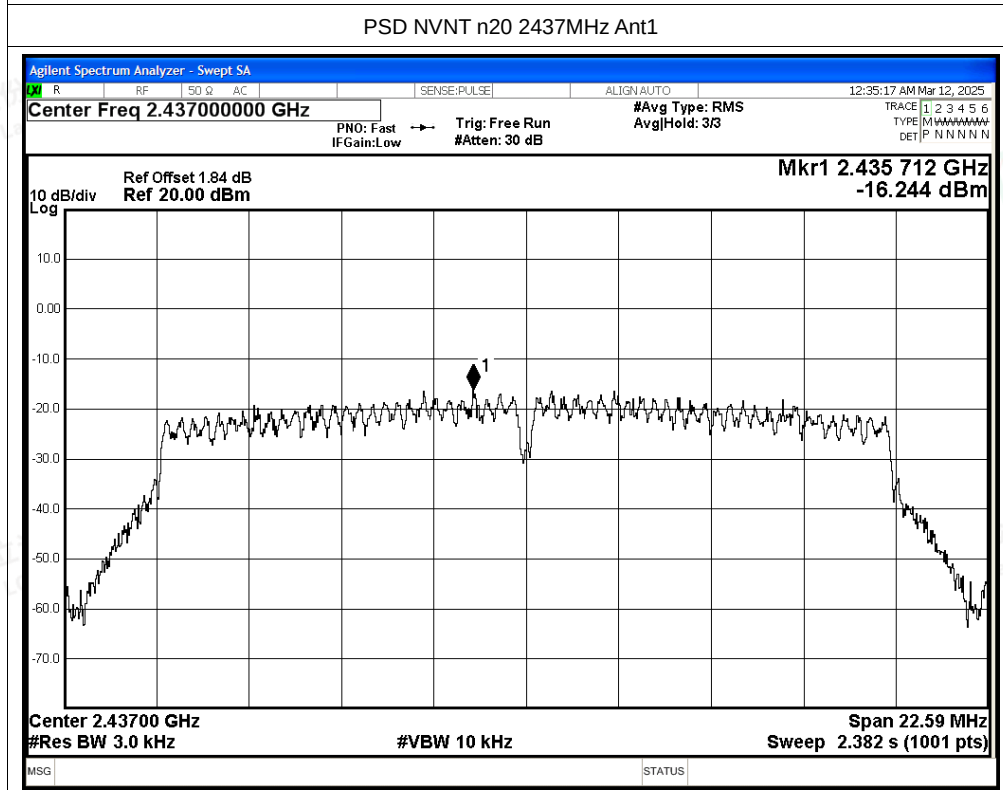
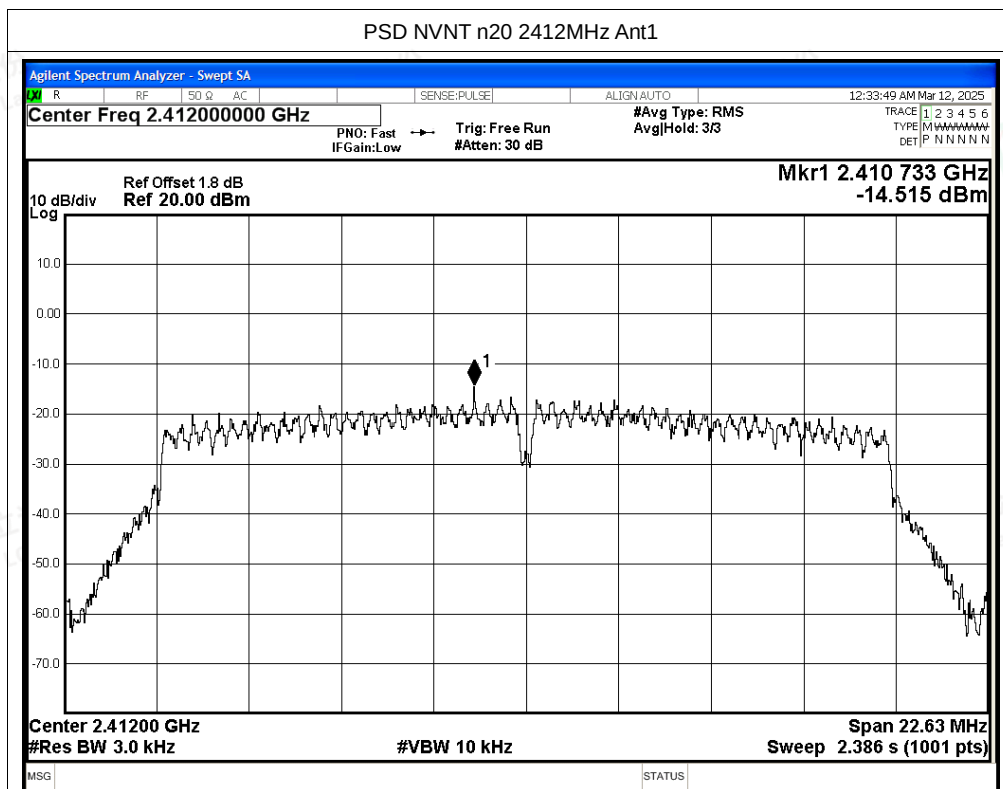


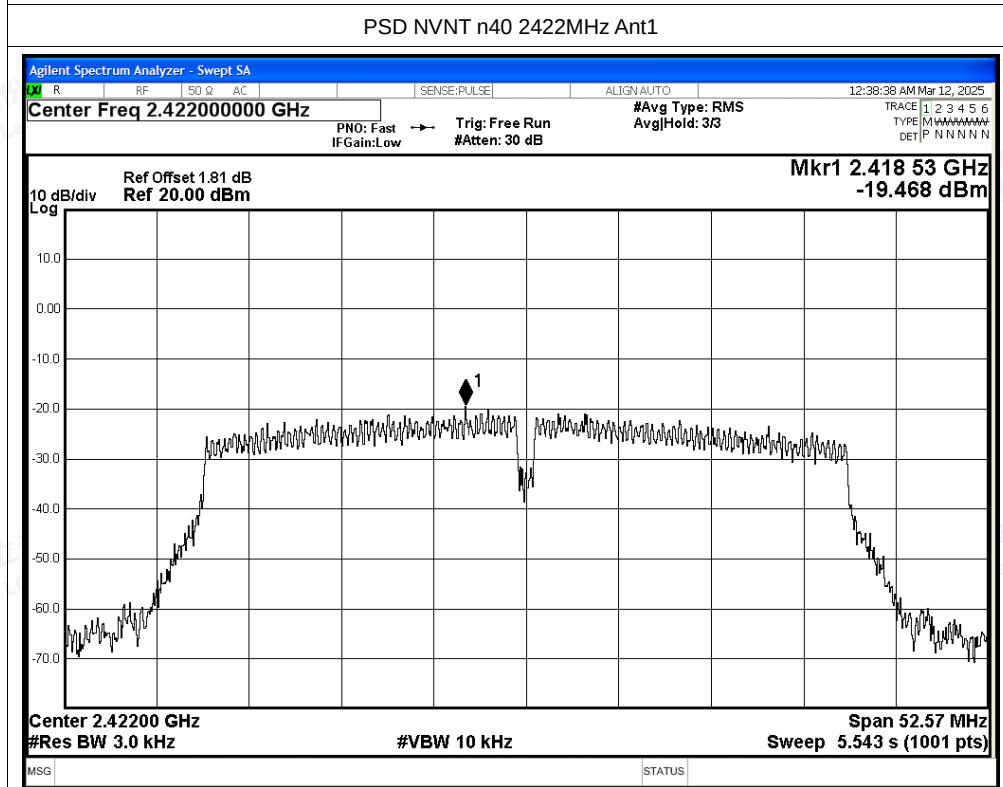
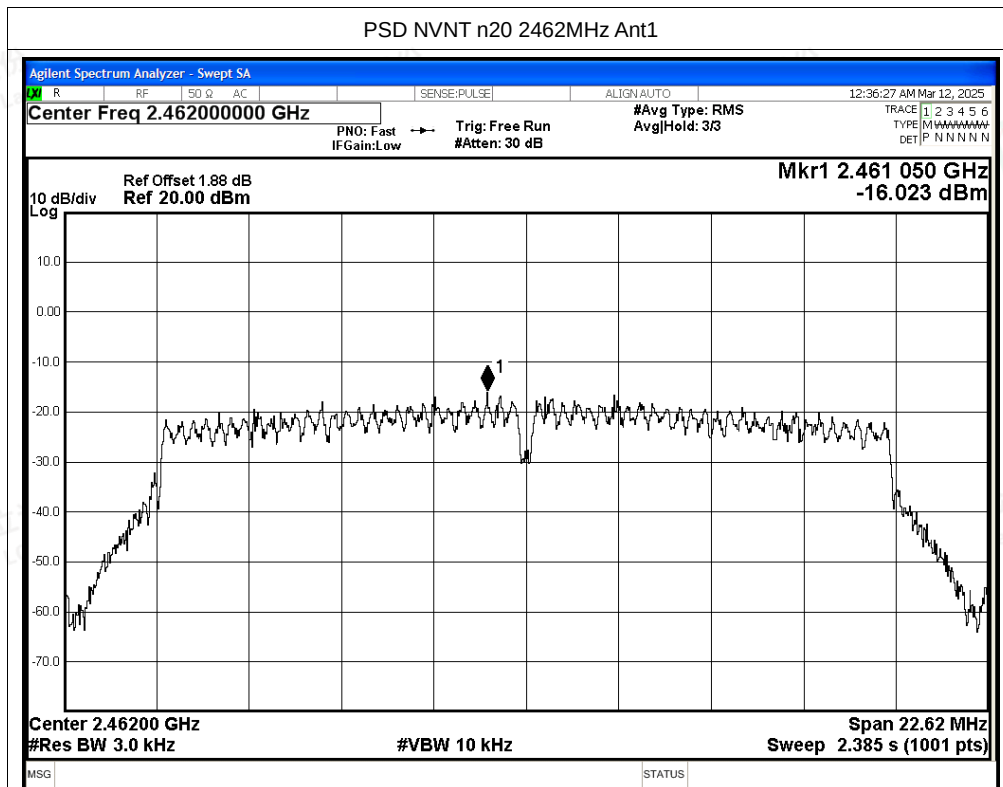
## PSD NVNT g 2437MHz Ant1

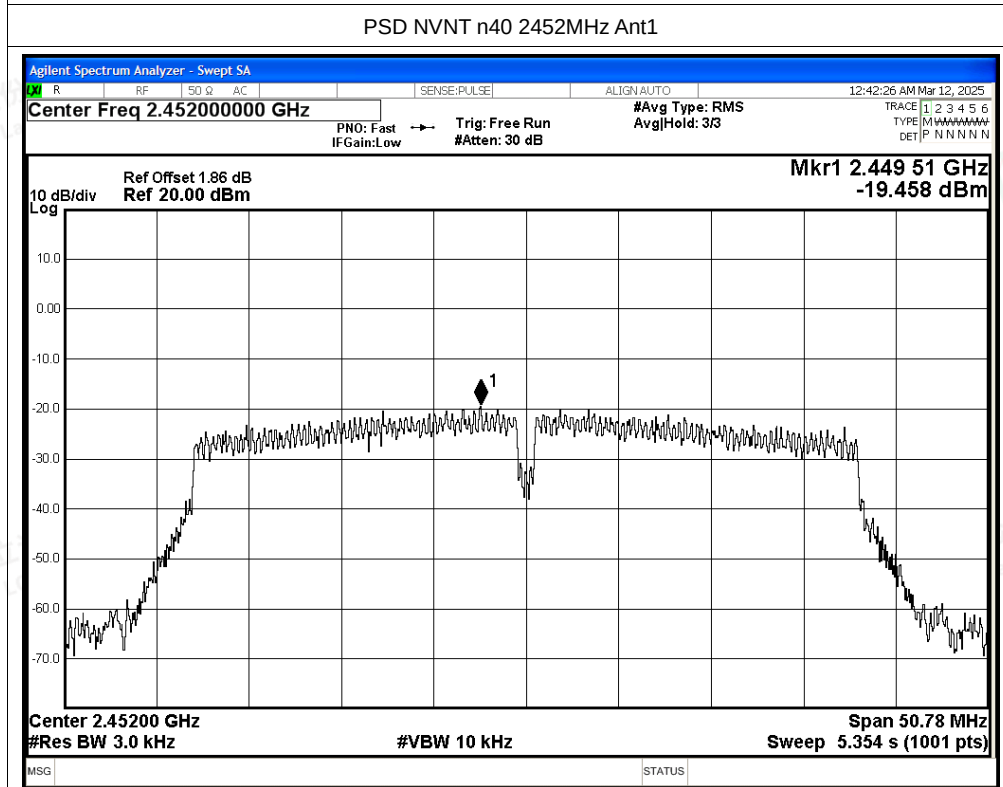
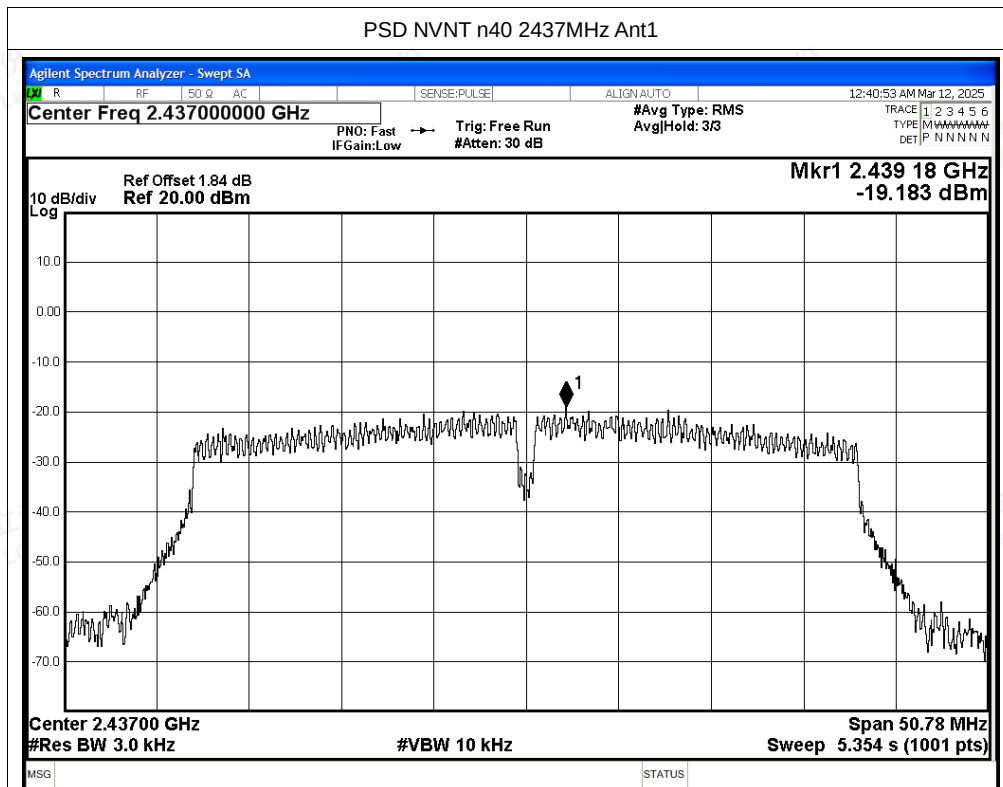


## PSD NVNT g 2462MHz Ant1











A.4 Band Edge

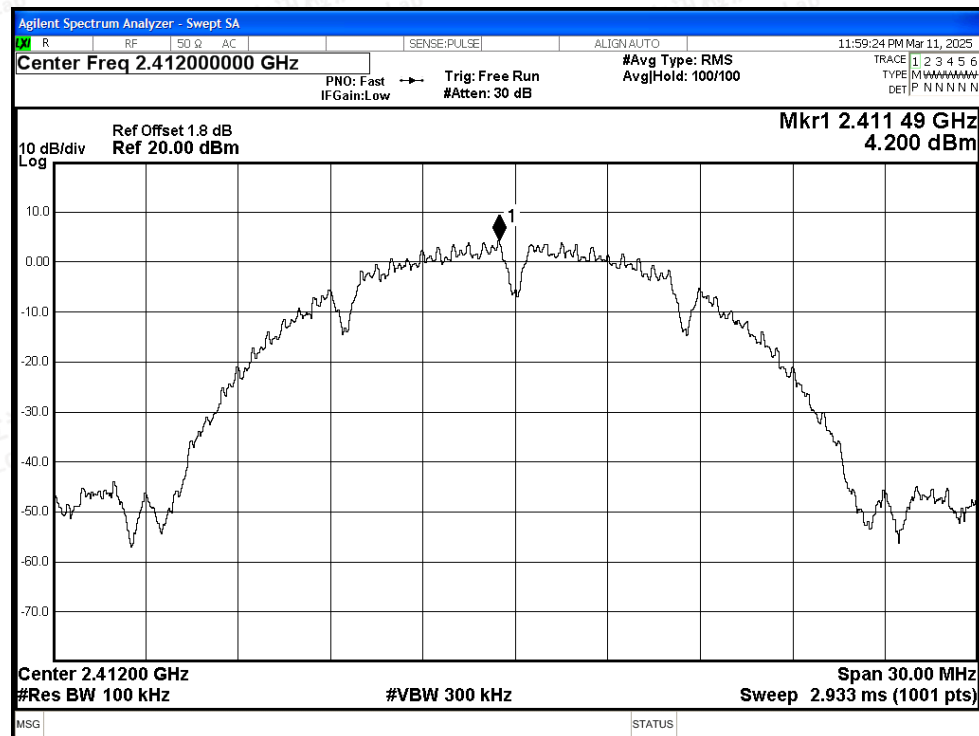
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant0    | -48.05          | -20         | Pass    |
| NVNT      | b    | 2462            | Ant0    | -56.57          | -20         | Pass    |
| NVNT      | g    | 2412            | Ant0    | -41.74          | -20         | Pass    |
| NVNT      | g    | 2462            | Ant0    | -52.82          | -20         | Pass    |
| NVNT      | n20  | 2412            | Ant0    | -41.63          | -20         | Pass    |
| NVNT      | n20  | 2462            | Ant0    | -51.34          | -20         | Pass    |
| NVNT      | n40  | 2422            | Ant0    | -41.26          | -20         | Pass    |
| NVNT      | n40  | 2452            | Ant0    | -48.5           | -20         | Pass    |



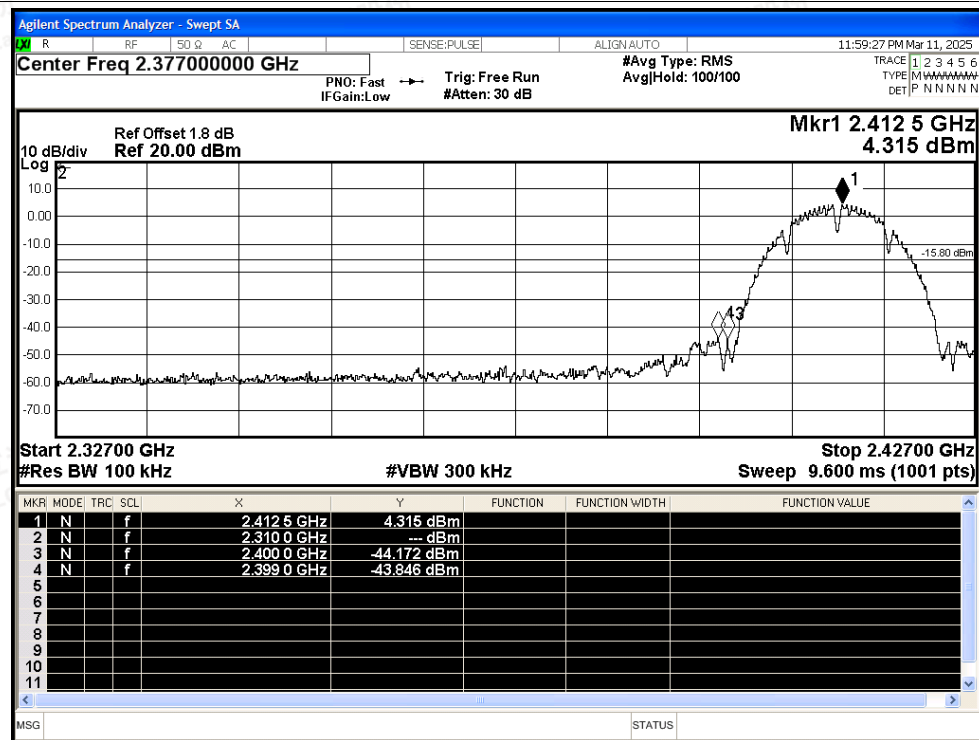


## Test Graphs

## Band Edge NVNT b 2412MHz Ant0 Ref



## Band Edge NVNT b 2412MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

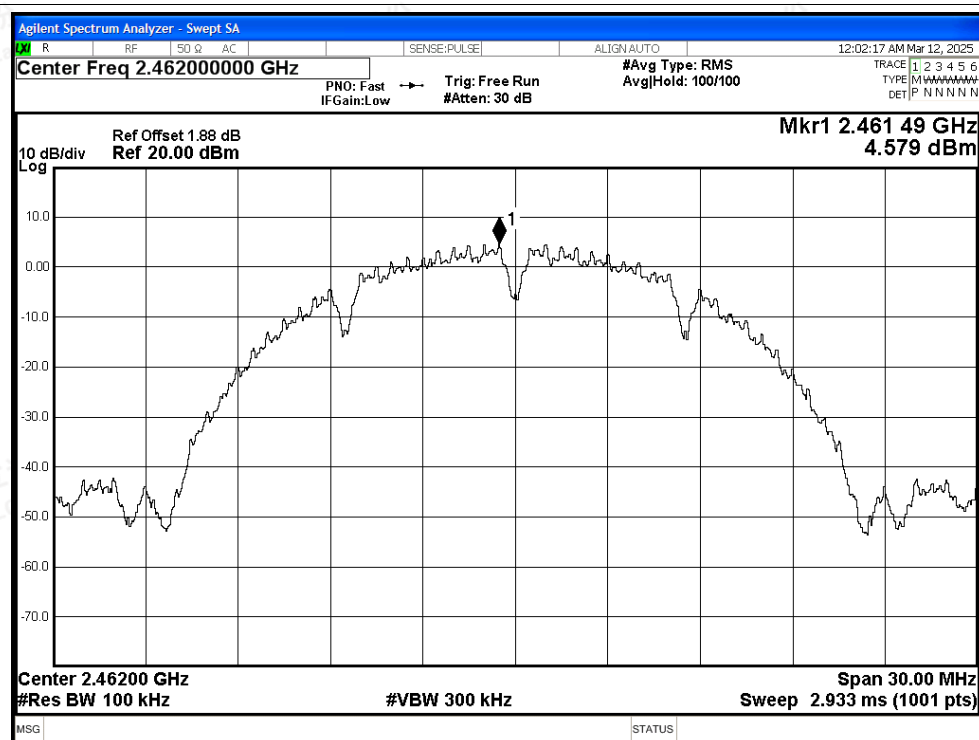
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

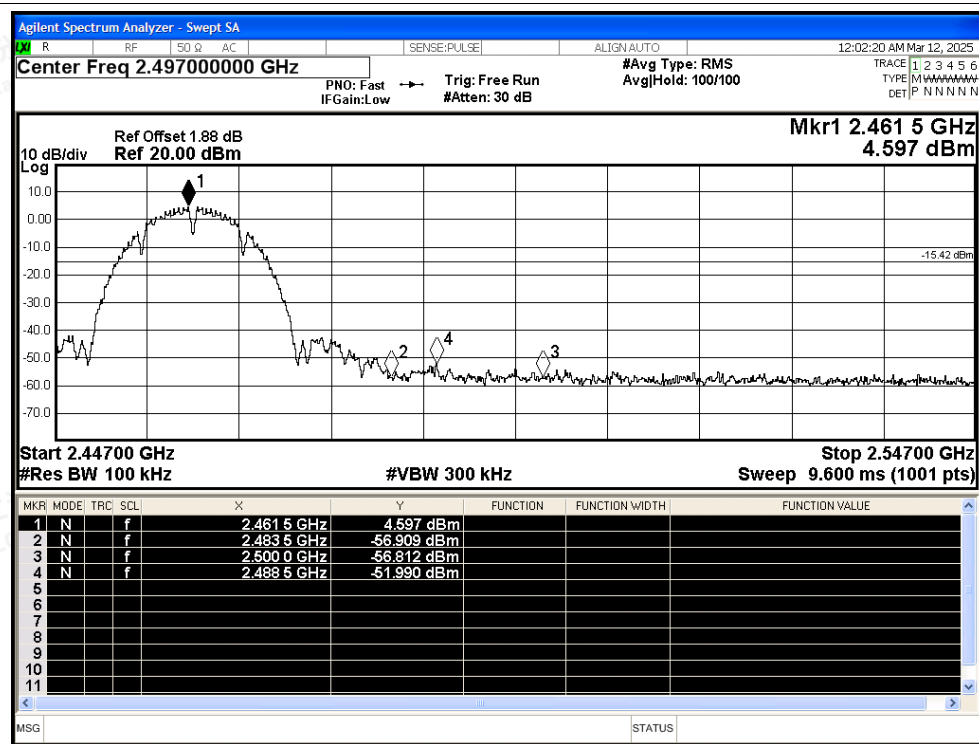
Scan code to check authenticity



## Band Edge NVNT b 2462MHz Ant0 Ref



## Band Edge NVNT b 2462MHz Ant0 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

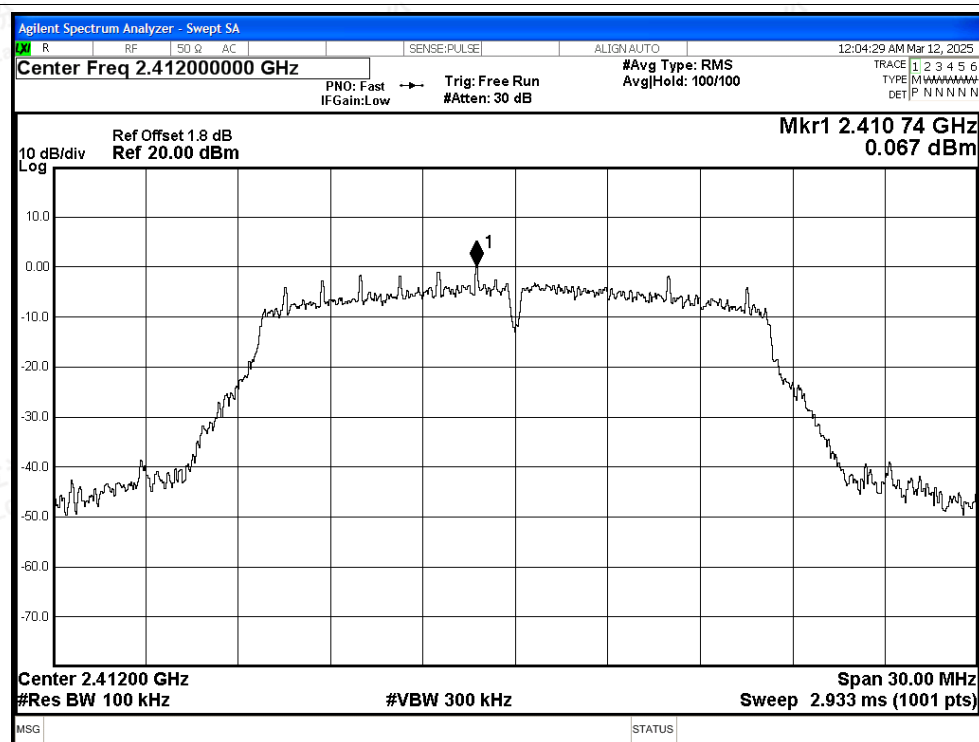
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

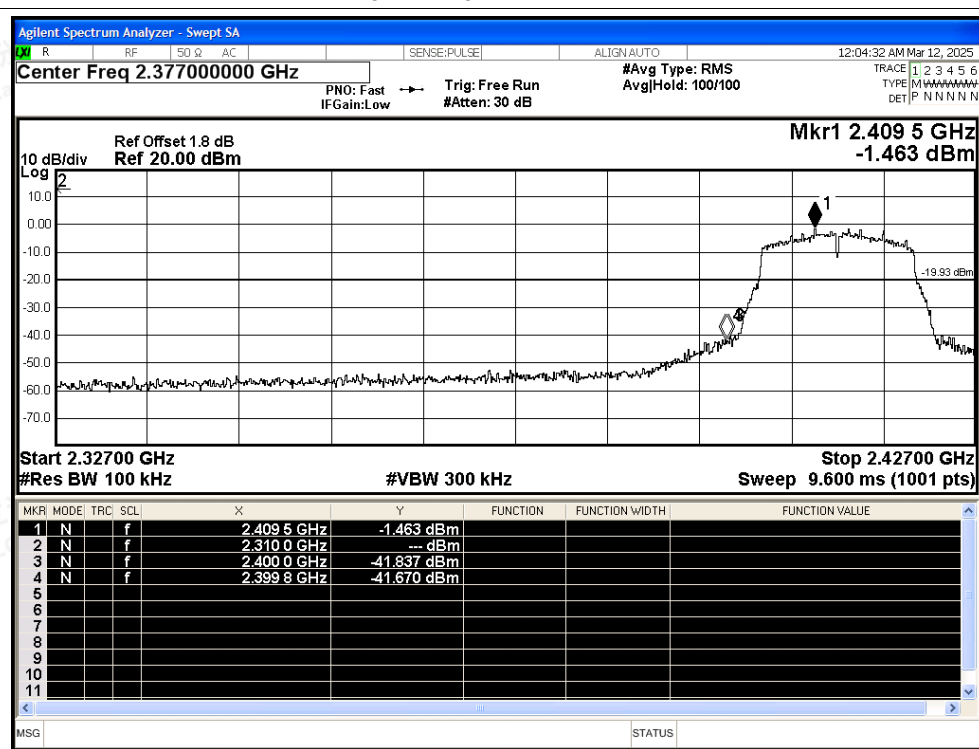




## Band Edge NVNT g 2412MHz Ant0 Ref

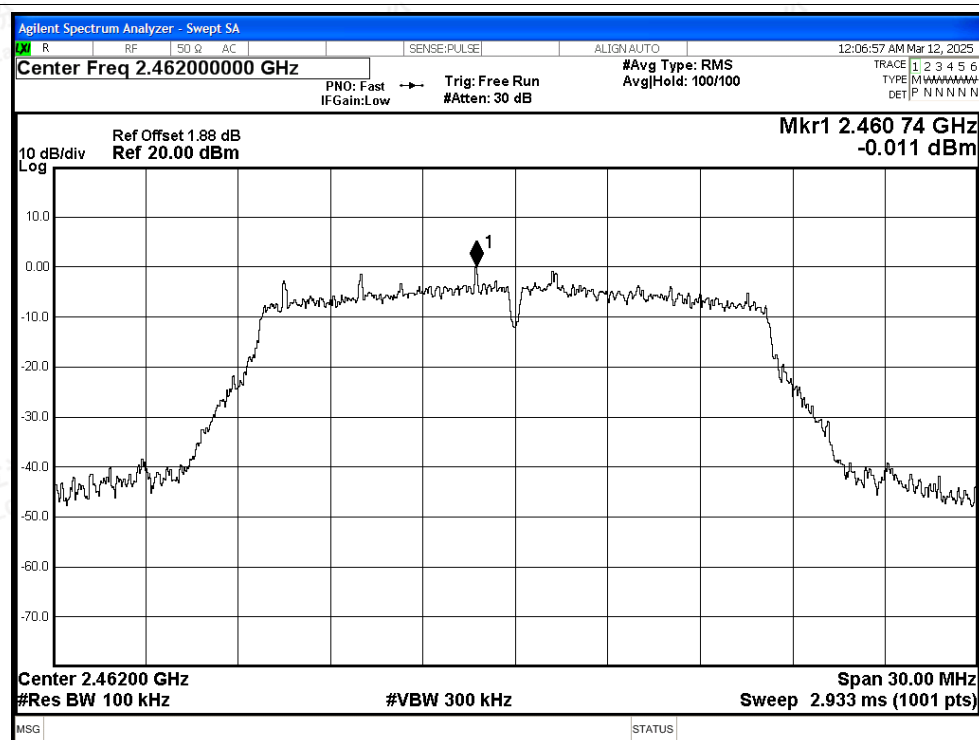


## Band Edge NVNT g 2412MHz Ant0 Emission

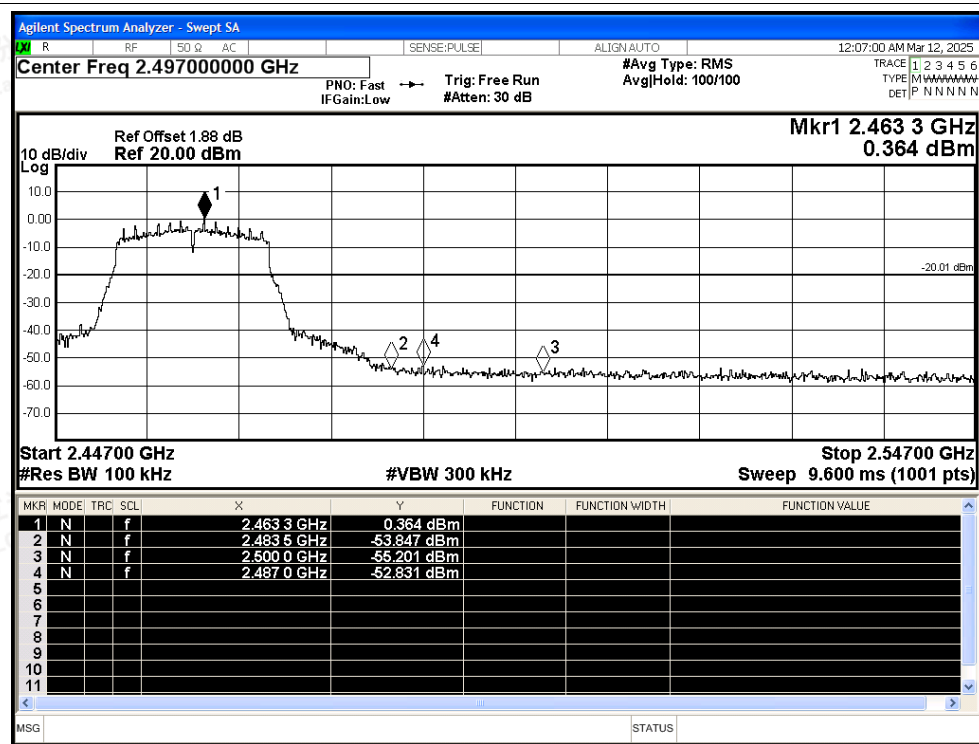




## Band Edge NVNT g 2462MHz Ant0 Ref



## Band Edge NVNT g 2462MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

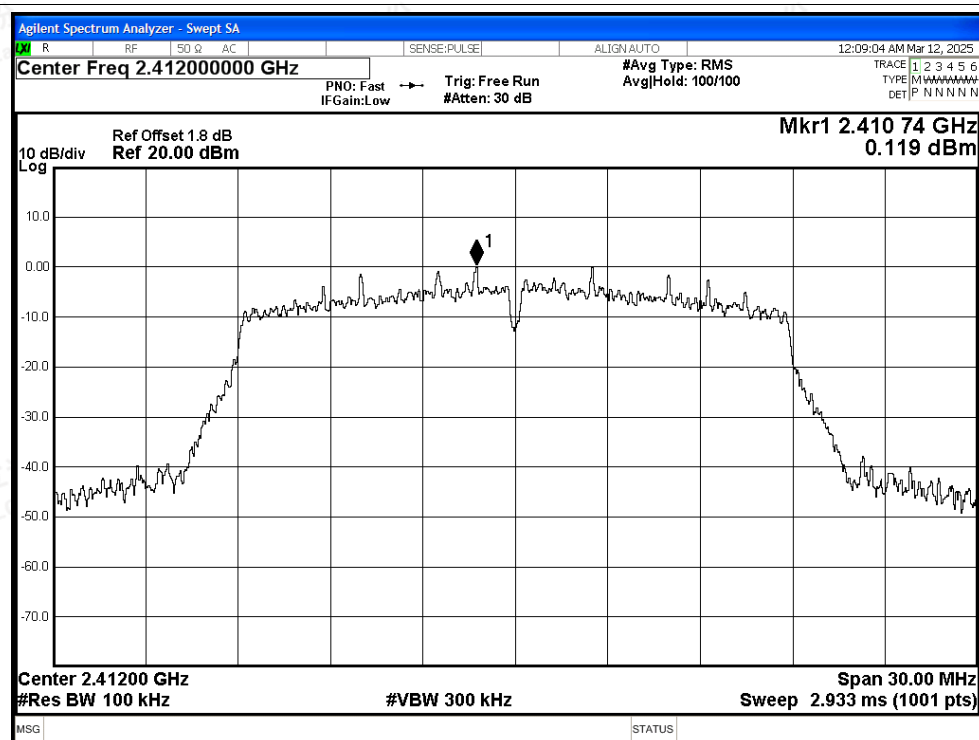
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

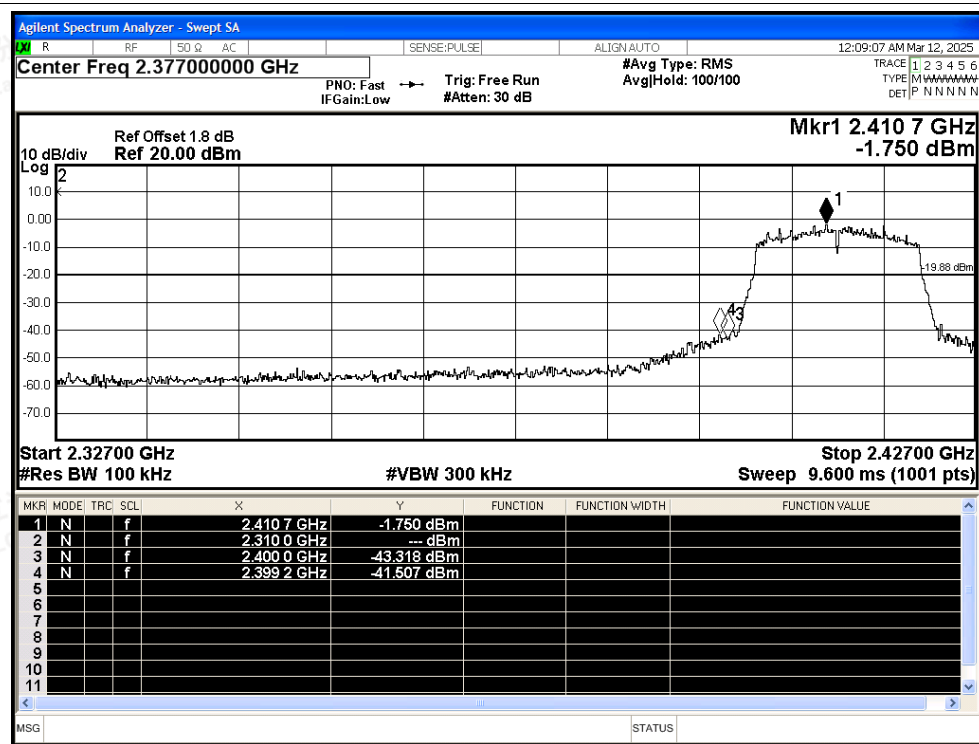
Scan code to check authenticity



## Band Edge NVNT n20 2412MHz Ant0 Ref

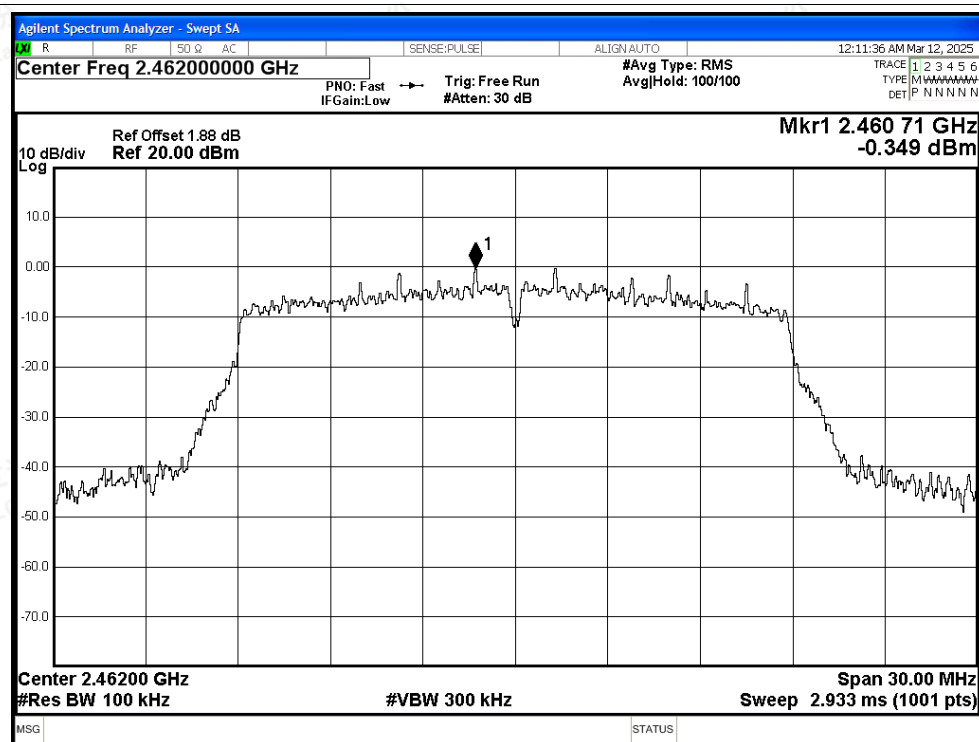


## Band Edge NVNT n20 2412MHz Ant0 Emission

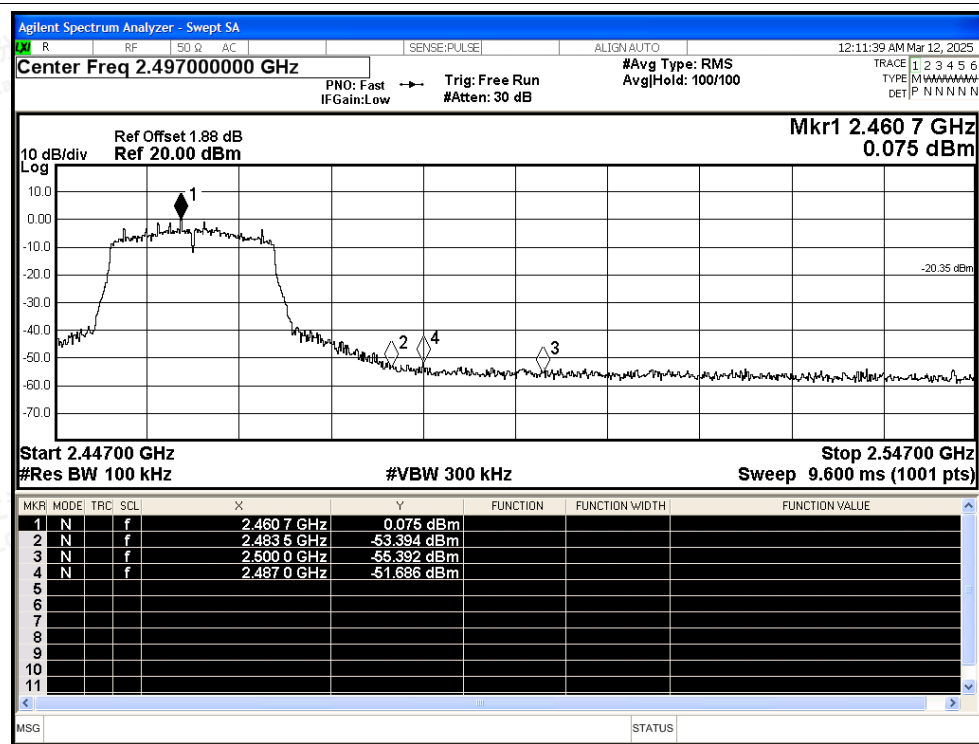




## Band Edge NVNT n20 2462MHz Ant0 Ref



## Band Edge NVNT n20 2462MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

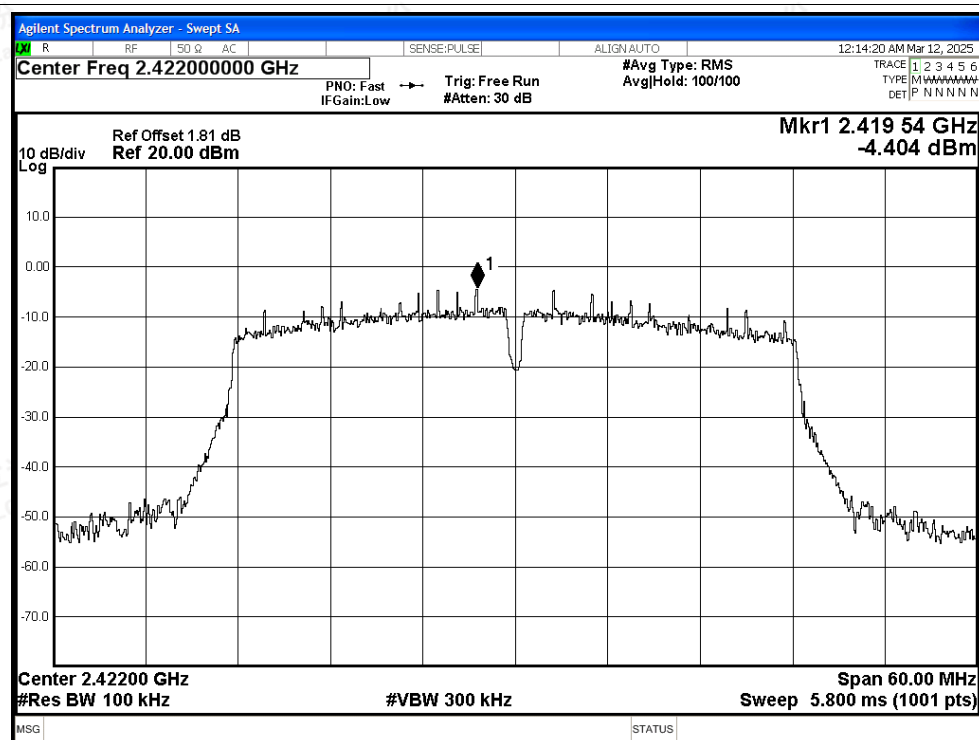
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

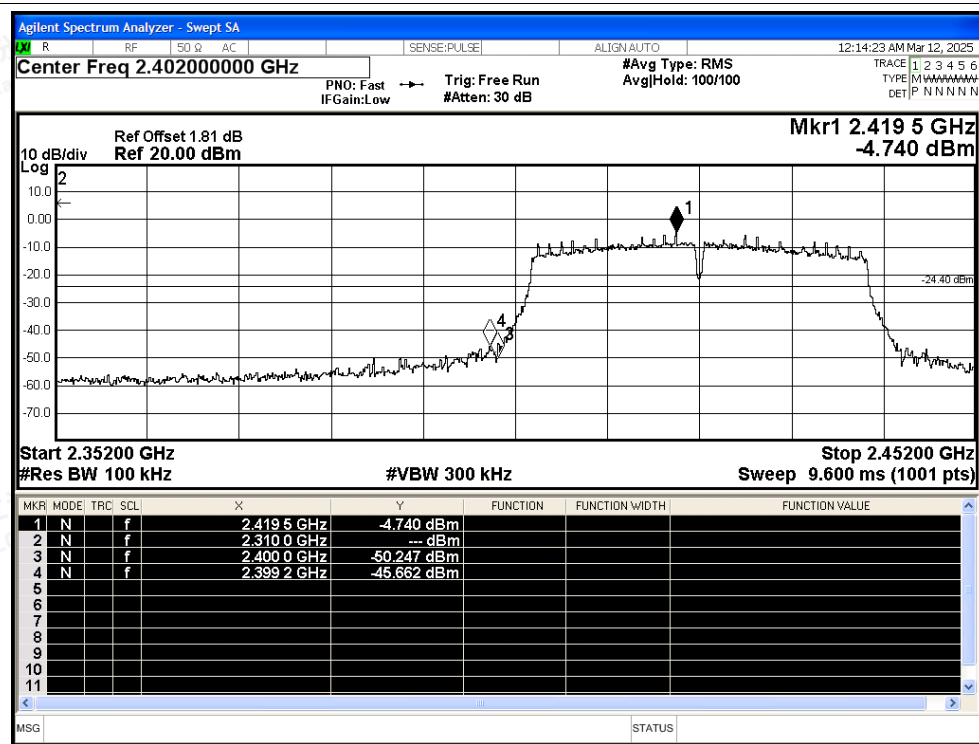
Scan code to check authenticity



## Band Edge NVNT n40 2422MHz Ant0 Ref



## Band Edge NVNT n40 2422MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

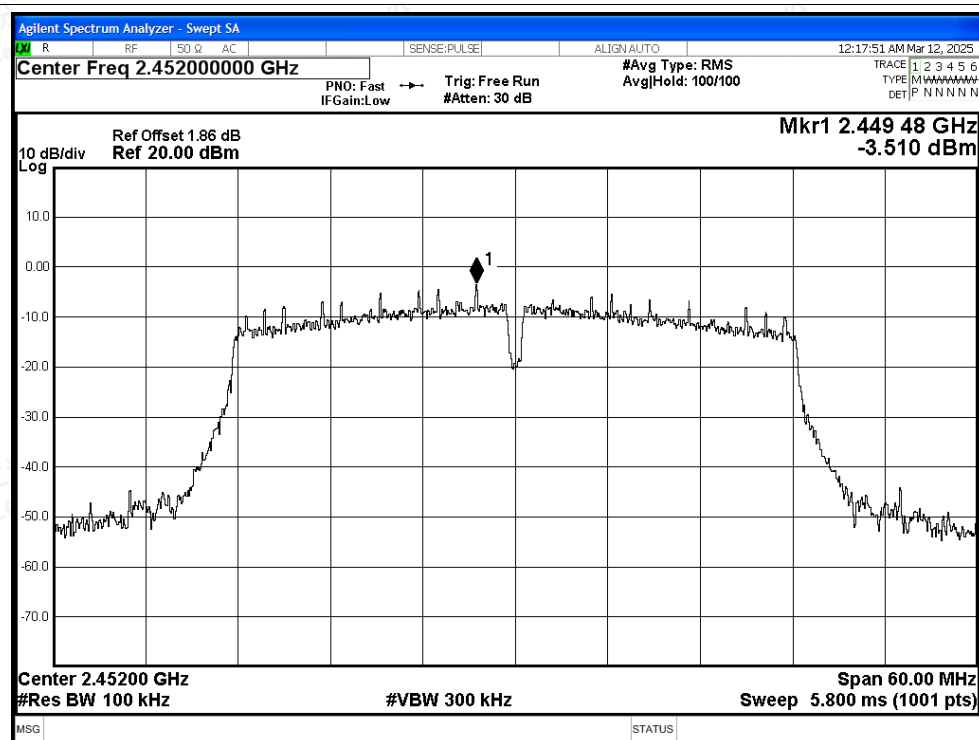
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

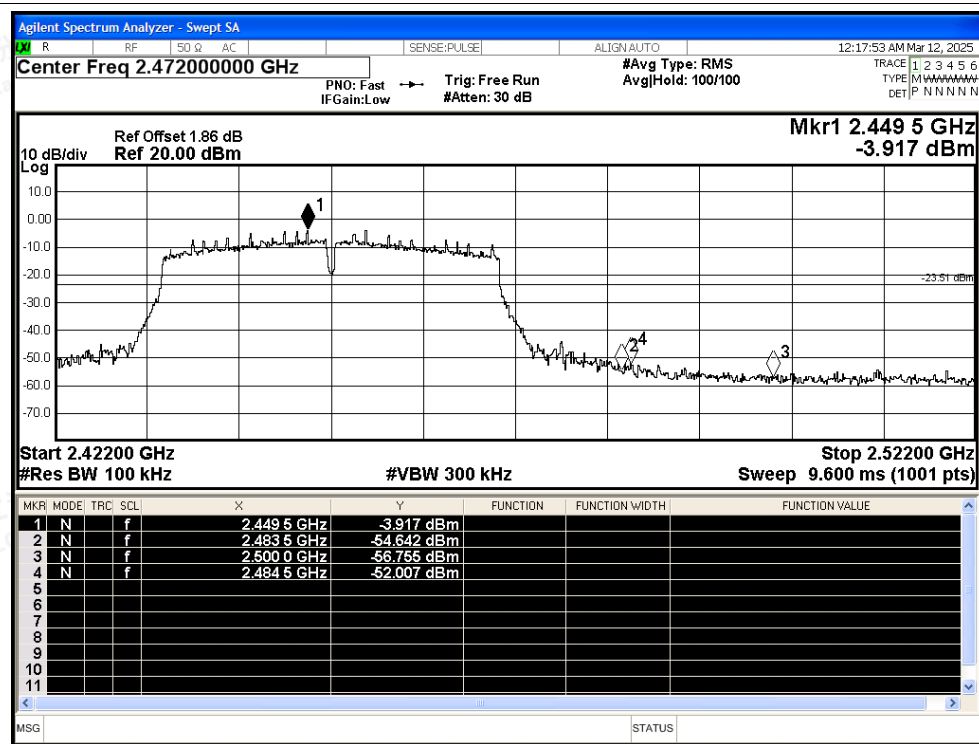
Scan code to check authenticity



## Band Edge NVNT n40 2452MHz Ant0 Ref



## Band Edge NVNT n40 2452MHz Ant0 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



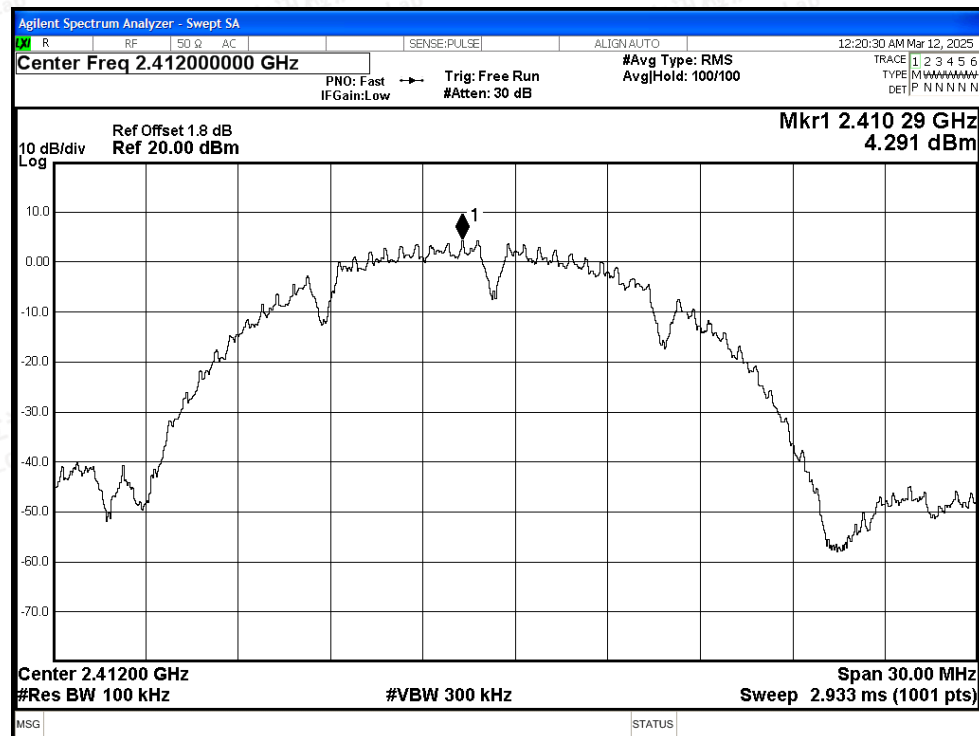
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | -43.27          | -20         | Pass    |
| NVNT      | b    | 2462            | Ant1    | -57.46          | -20         | Pass    |
| NVNT      | g    | 2412            | Ant1    | -39.22          | -20         | Pass    |
| NVNT      | g    | 2462            | Ant1    | -52.7           | -20         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -41.63          | -20         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -53.26          | -20         | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -40.48          | -20         | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -47.87          | -20         | Pass    |



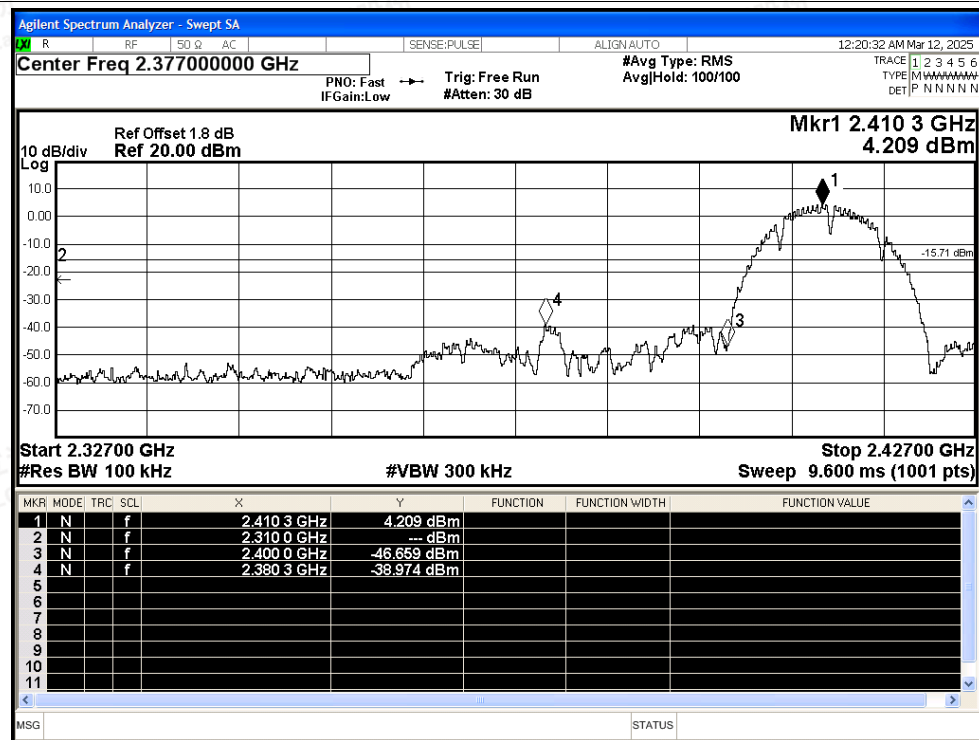


## Test Graphs

## Band Edge NVNT b 2412MHz Ant1 Ref



## Band Edge 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

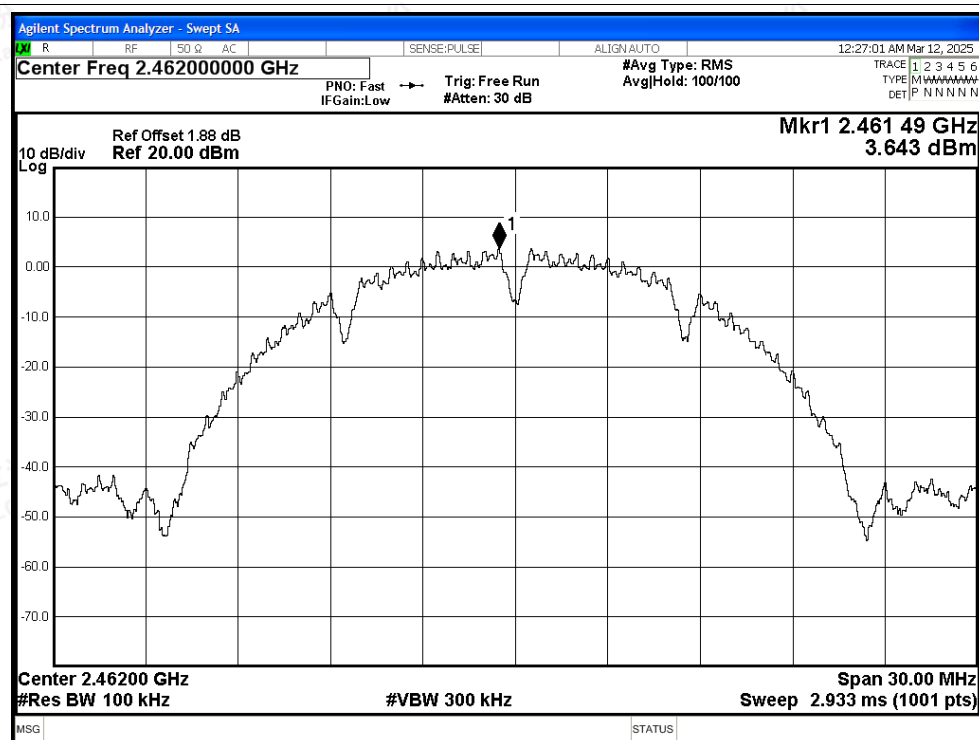
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

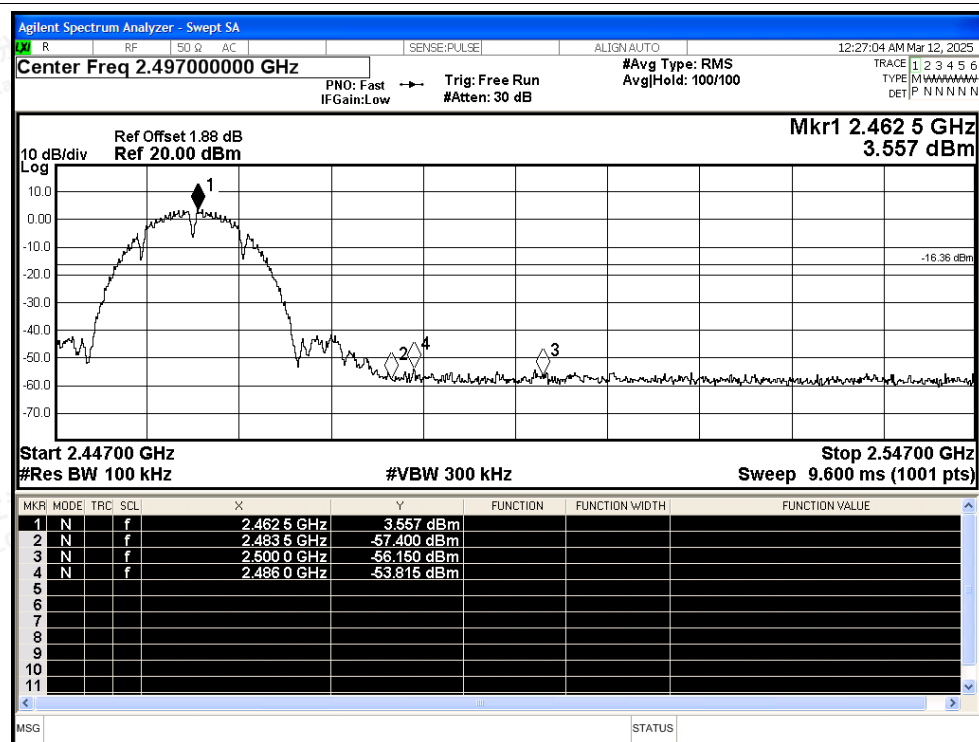




## Band Edge NVNT b 2462MHz Ant1 Ref

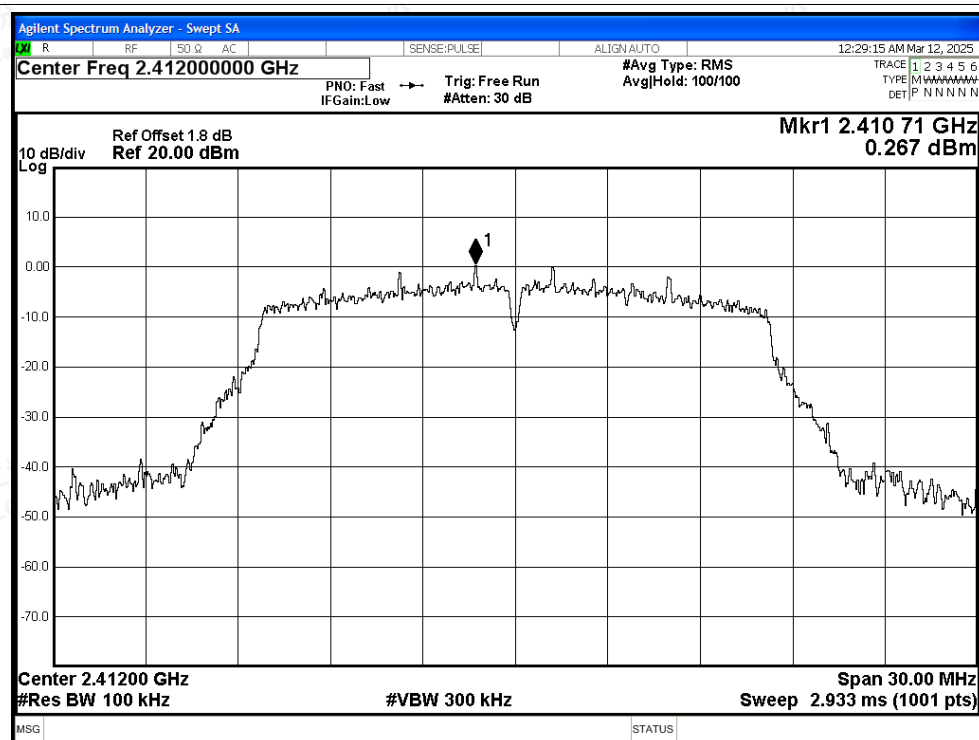


## Band Edge NVNT b 2462MHz Ant1 Emission





## Band Edge NVNT g 2412MHz Ant1 Ref

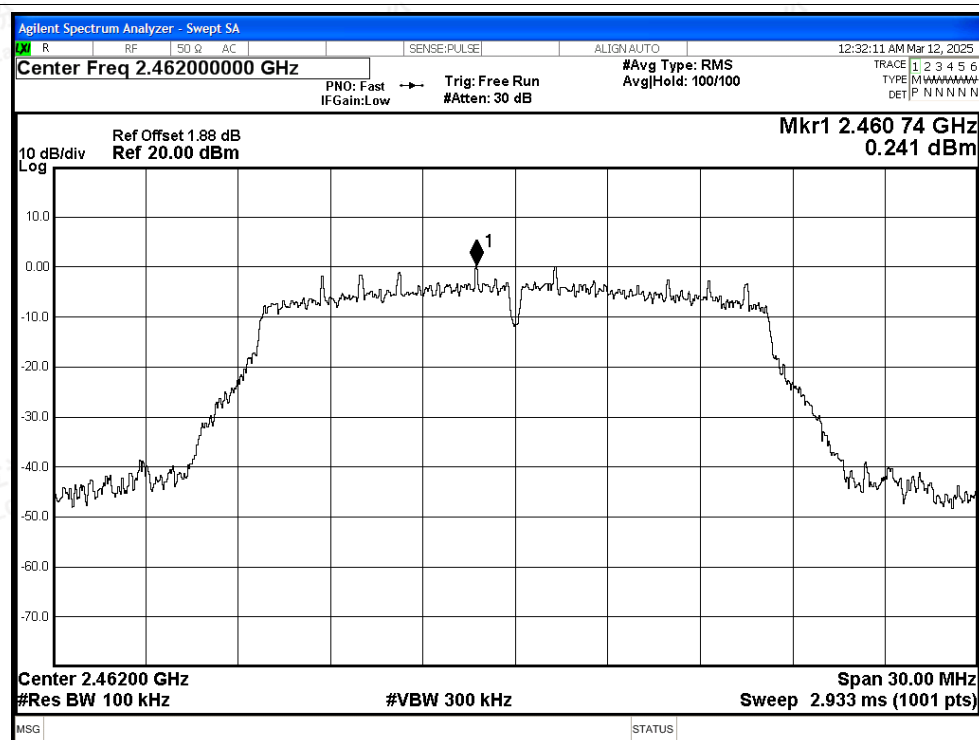


## Band Edge NVNT g 2412MHz Ant1 Emission

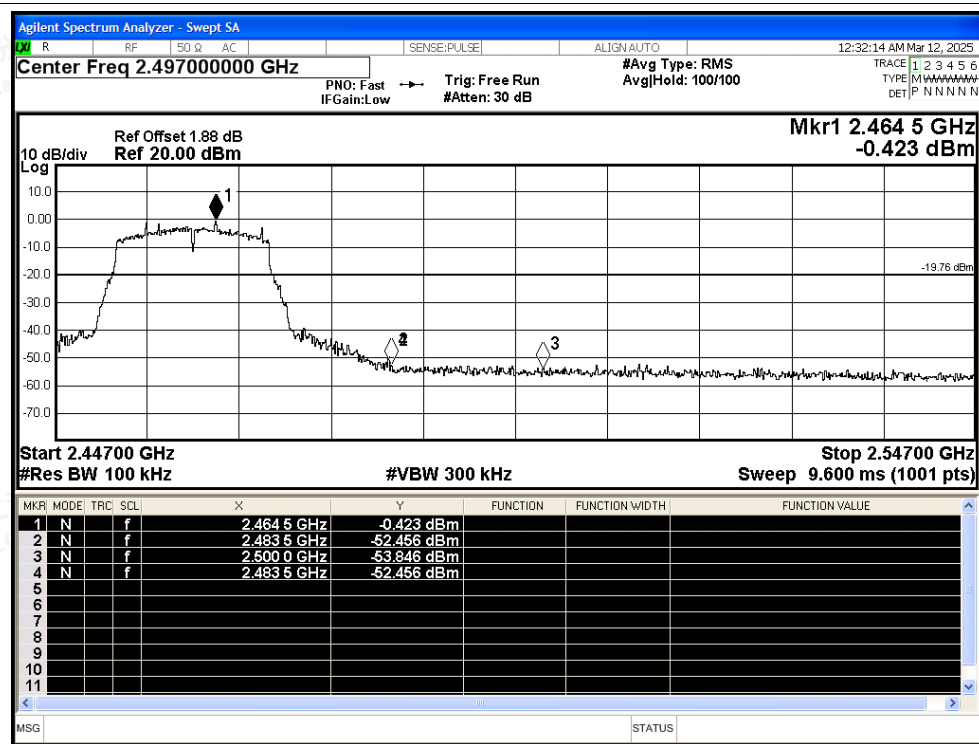




## Band Edge NVNT g 2462MHz Ant1 Ref



## Band Edge NVNT g 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

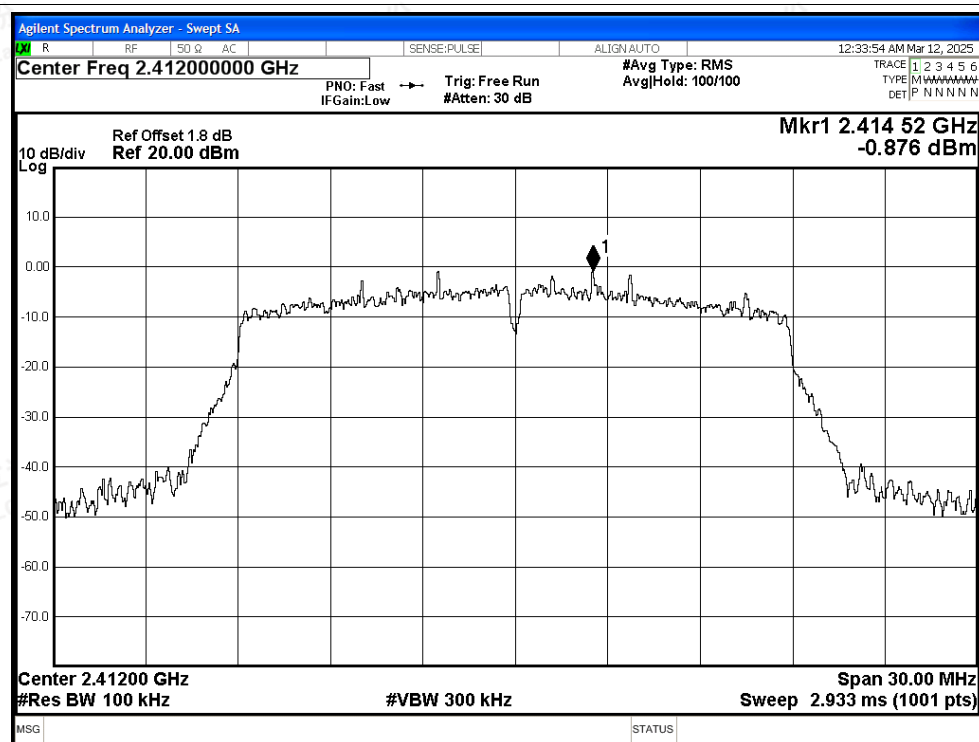
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

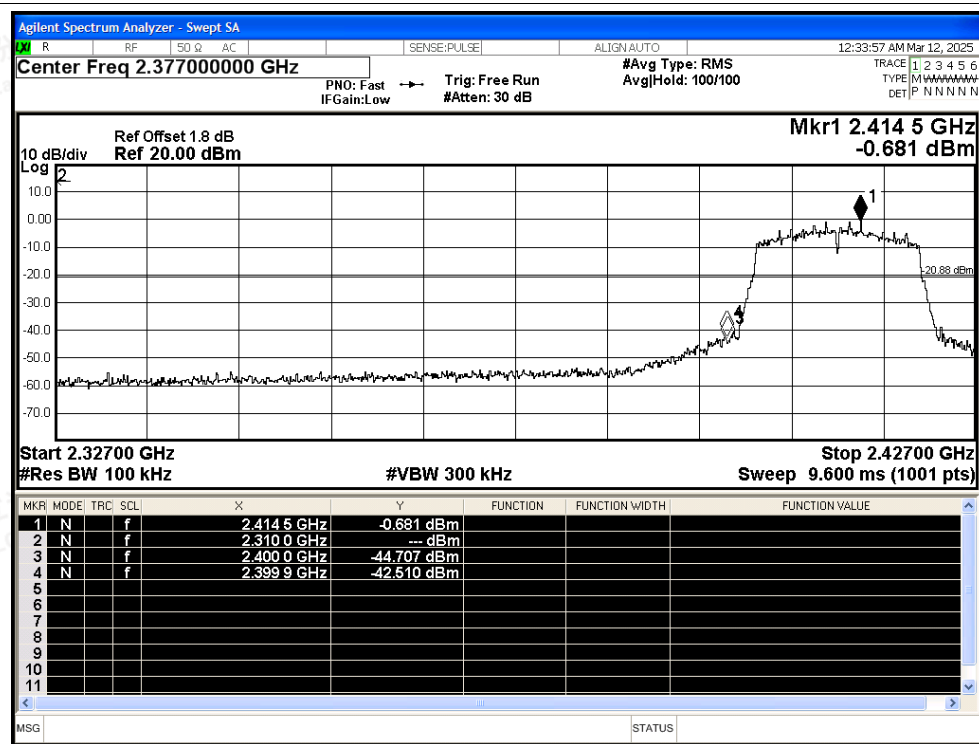
Scan code to check authenticity



## Band Edge NVNT n20 2412MHz Ant1 Ref



## Band Edge NVNT n20 2412MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

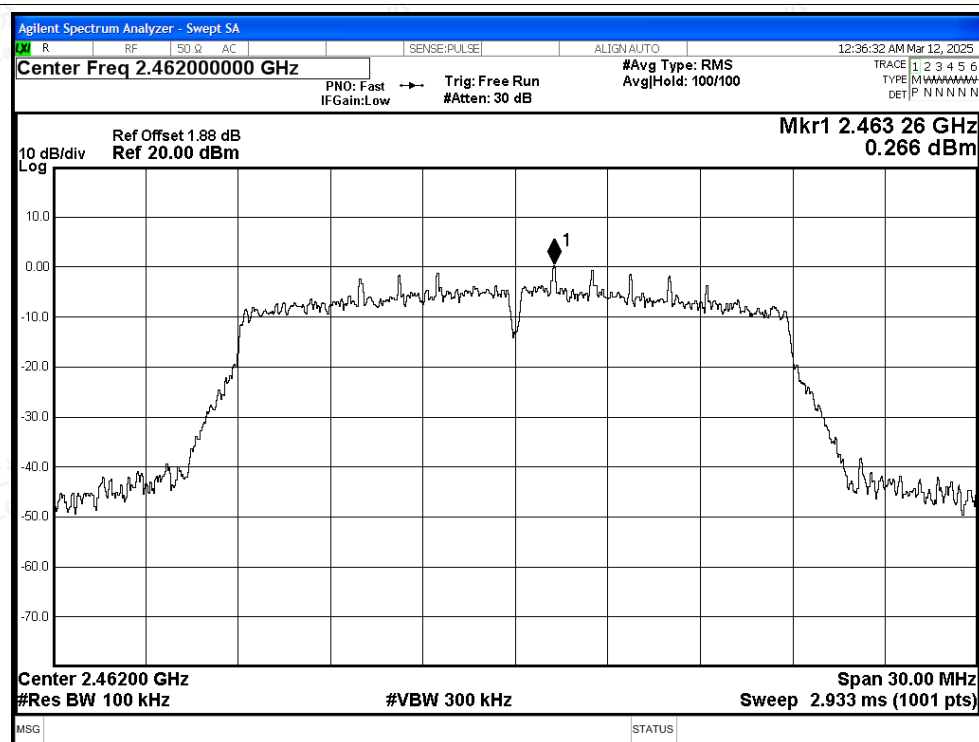
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

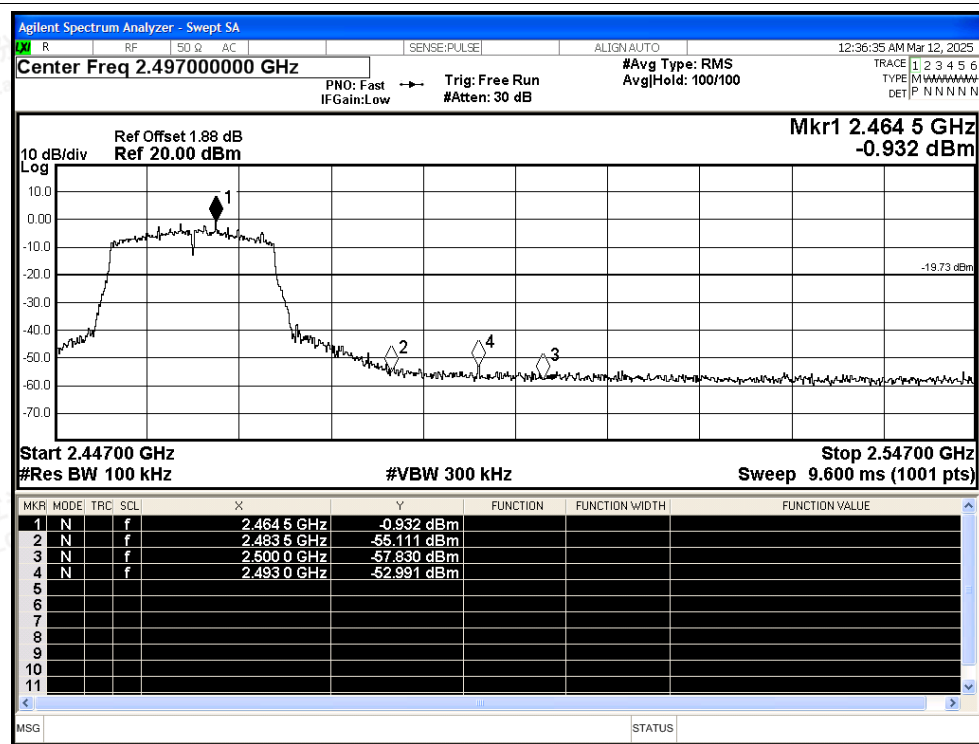
Scan code to check authenticity



## Band Edge NVNT n20 2462MHz Ant1 Ref



## Band Edge NVNT n20 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

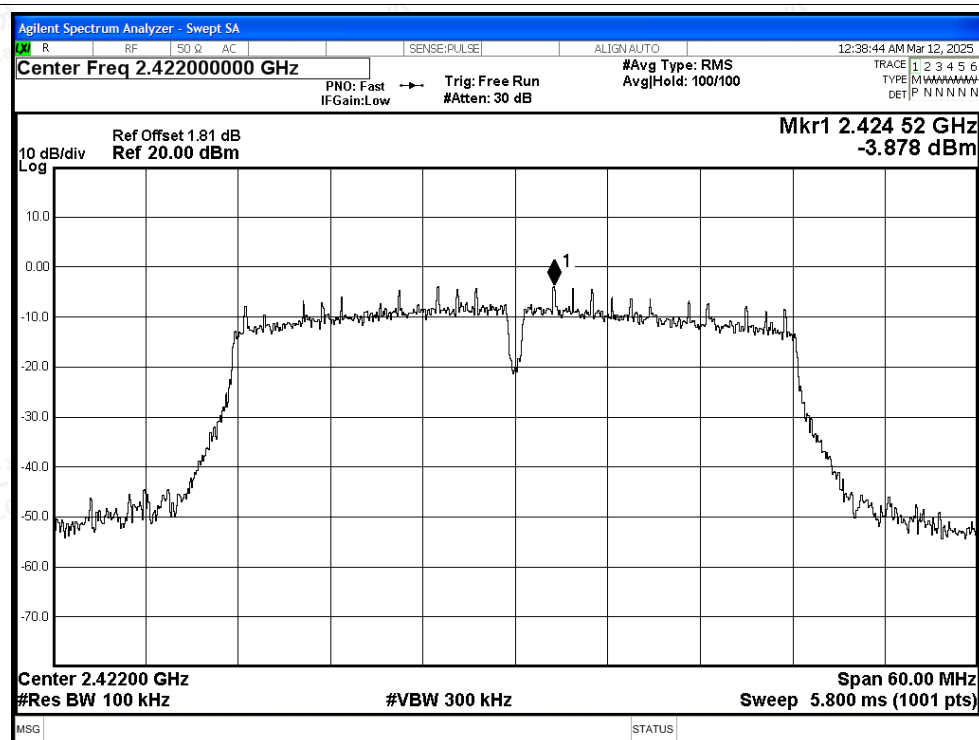
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

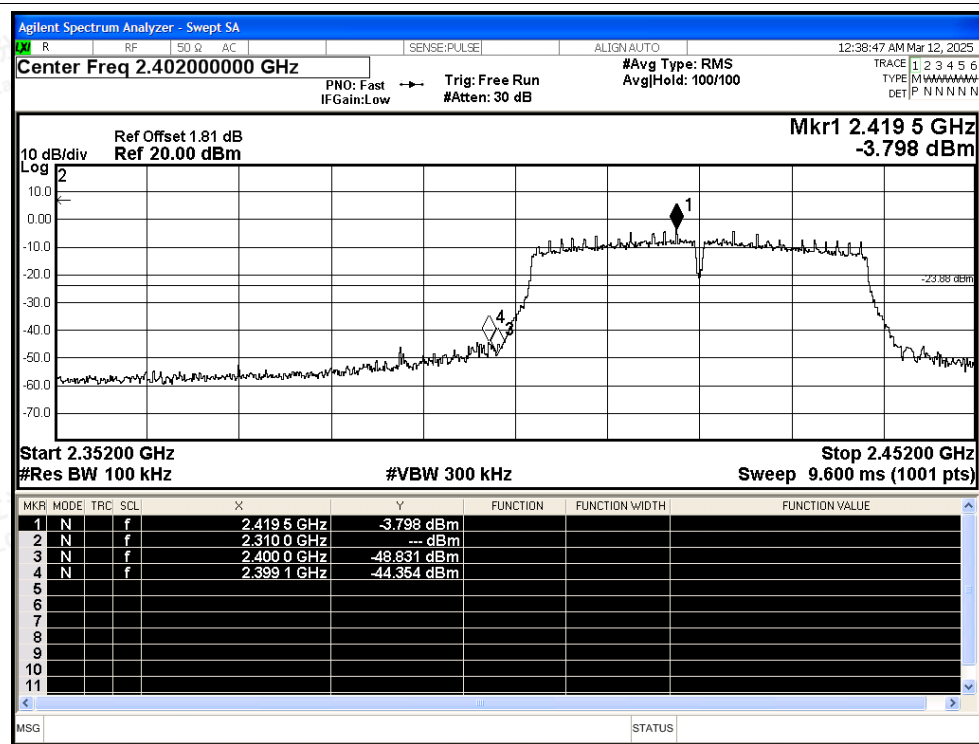
Scan code to check authenticity



## Band Edge NVNT n40 2422MHz Ant1 Ref

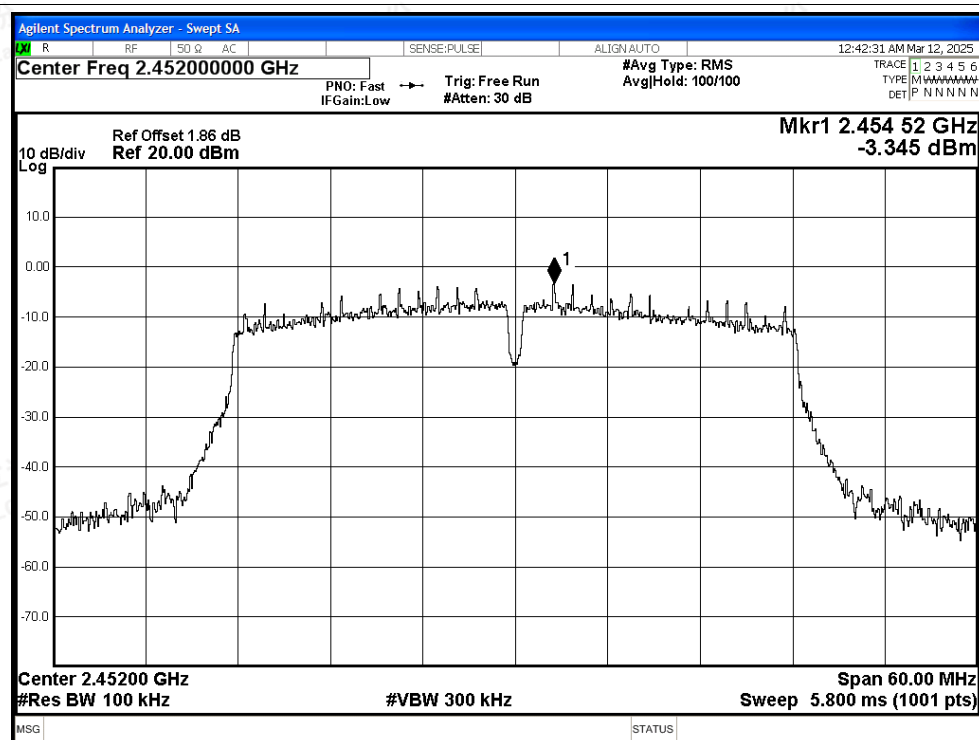


## Band Edge NVNT n40 2422MHz Ant1 Emission

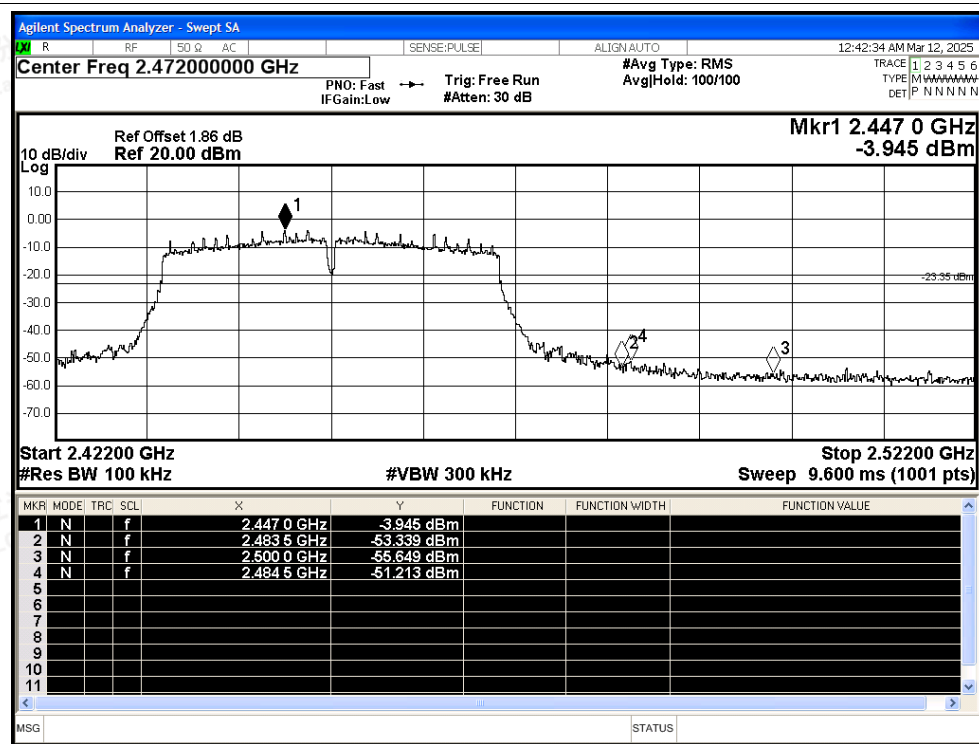




## Band Edge NVNT n40 2452MHz Ant1 Ref



## Band Edge 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

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## A.5 Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant0    | -49.77          | -20         | Pass    |
| NVNT      | b    | 2437            | Ant0    | -50.57          | -20         | Pass    |
| NVNT      | b    | 2462            | Ant0    | -49.88          | -20         | Pass    |
| NVNT      | g    | 2412            | Ant0    | -44.55          | -20         | Pass    |
| NVNT      | g    | 2437            | Ant0    | -45.86          | -20         | Pass    |
| NVNT      | g    | 2462            | Ant0    | -46.8           | -20         | Pass    |
| NVNT      | n20  | 2412            | Ant0    | -45.79          | -20         | Pass    |
| NVNT      | n20  | 2437            | Ant0    | -44.16          | -20         | Pass    |
| NVNT      | n20  | 2462            | Ant0    | -46.77          | -20         | Pass    |
| NVNT      | n40  | 2422            | Ant0    | -42.8           | -20         | Pass    |
| NVNT      | n40  | 2437            | Ant0    | -42.57          | -20         | Pass    |
| NVNT      | n40  | 2452            | Ant0    | -42.22          | -20         | Pass    |

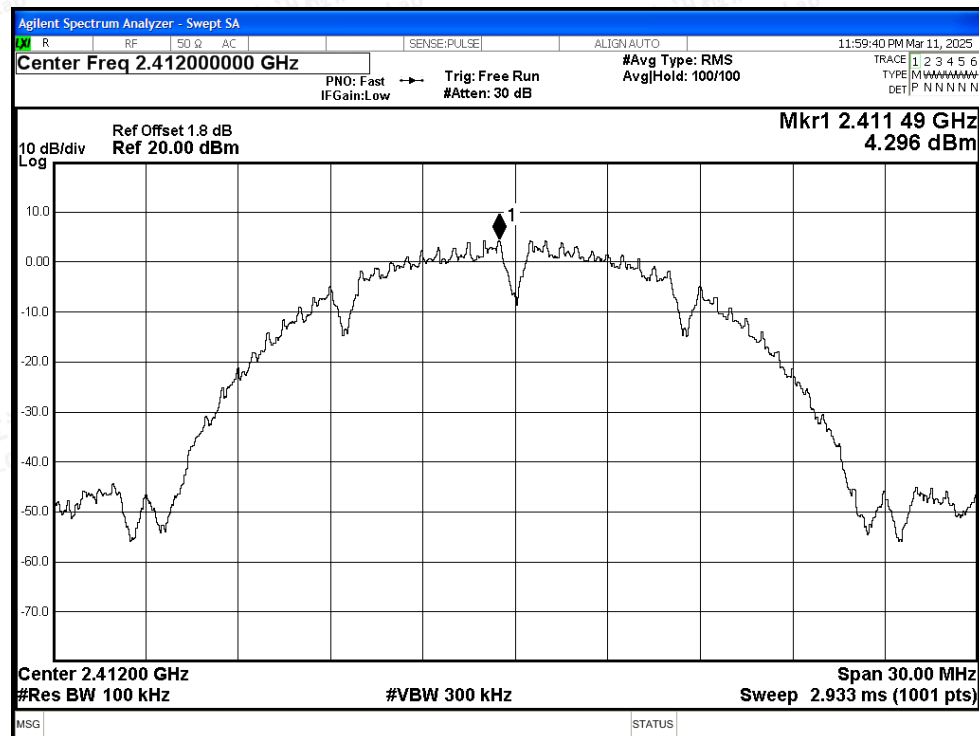




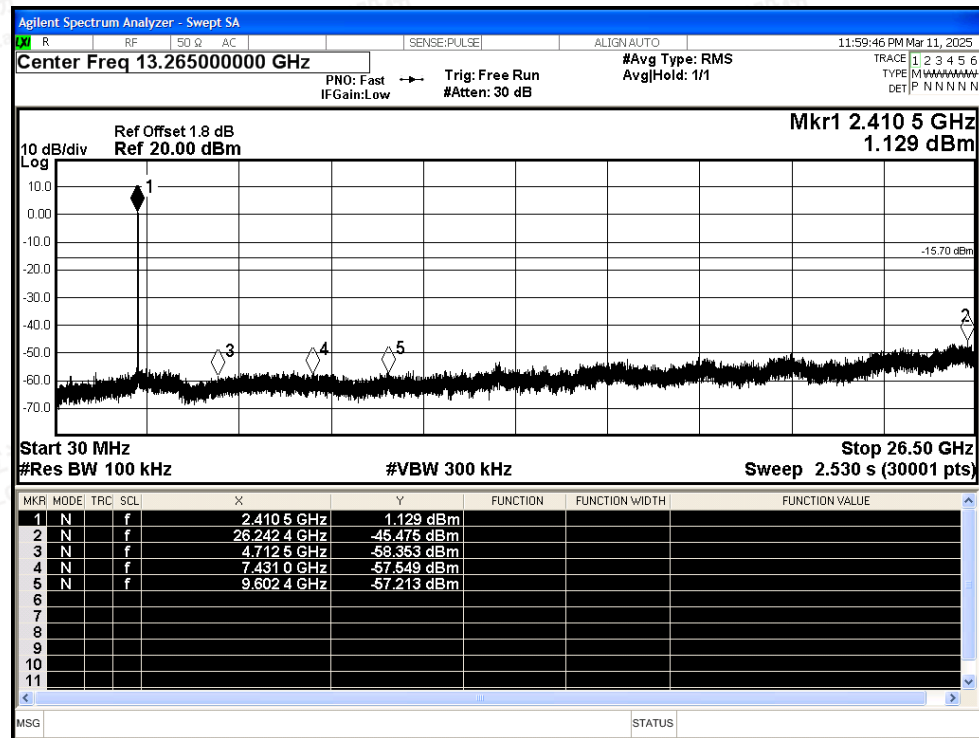


## Test Graphs

## Tx. Spurious NVNT b 2412MHz Ant0 Ref



## Tx. Spurious NVNT b 2412MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

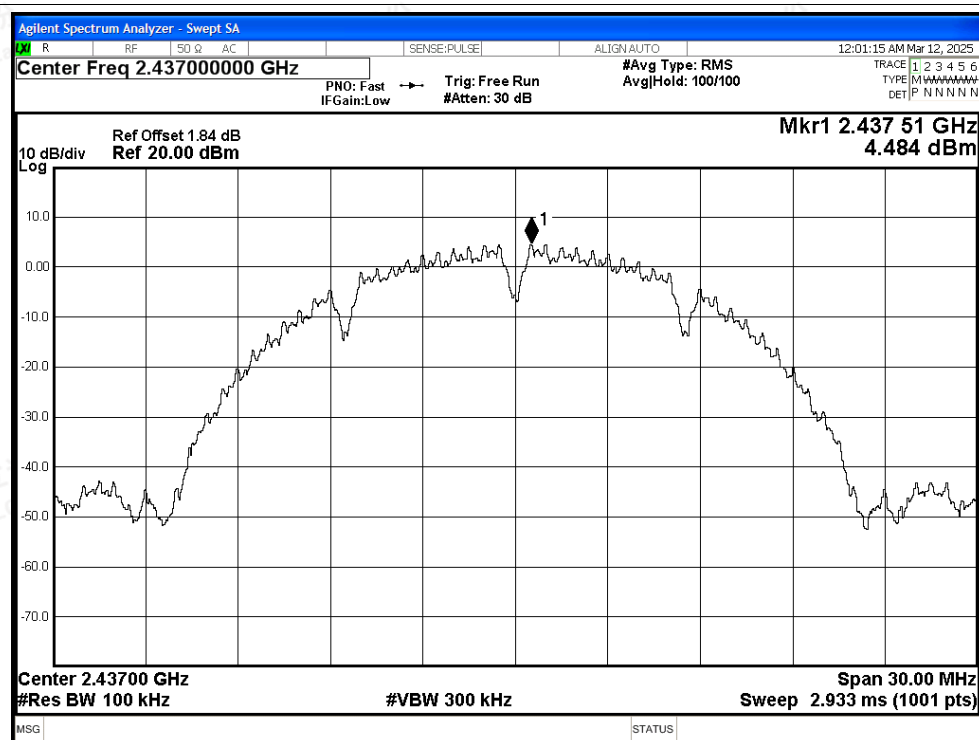
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

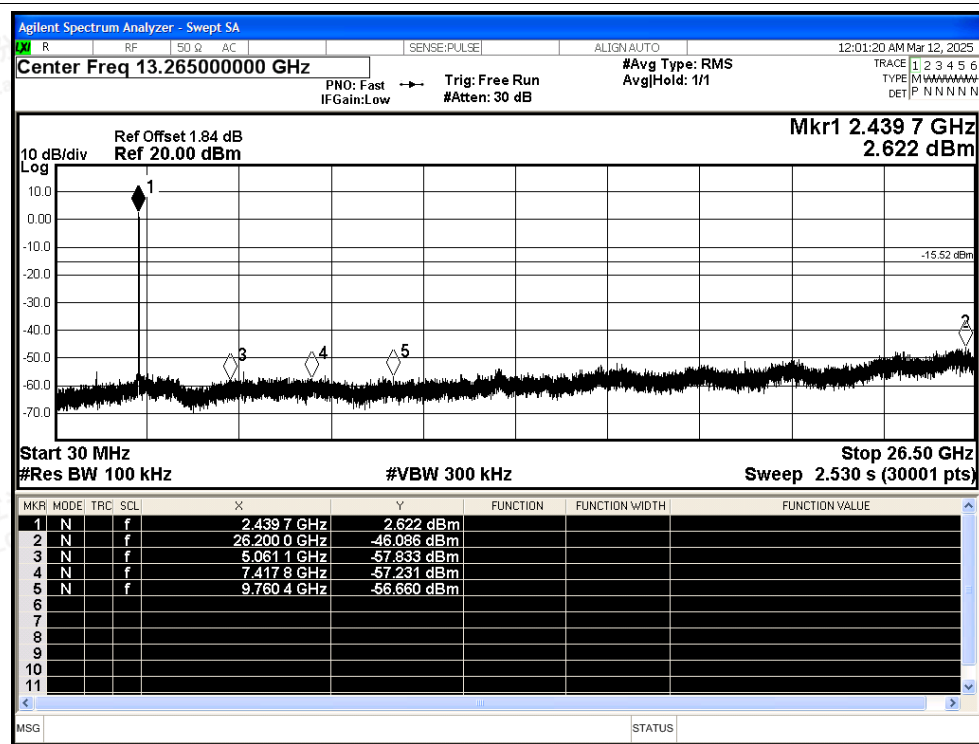
Scan code to check authenticity



## Tx. Spurious NVNT b 2437MHz Ant0 Ref



## Tx. Spurious NVNT b 2437MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

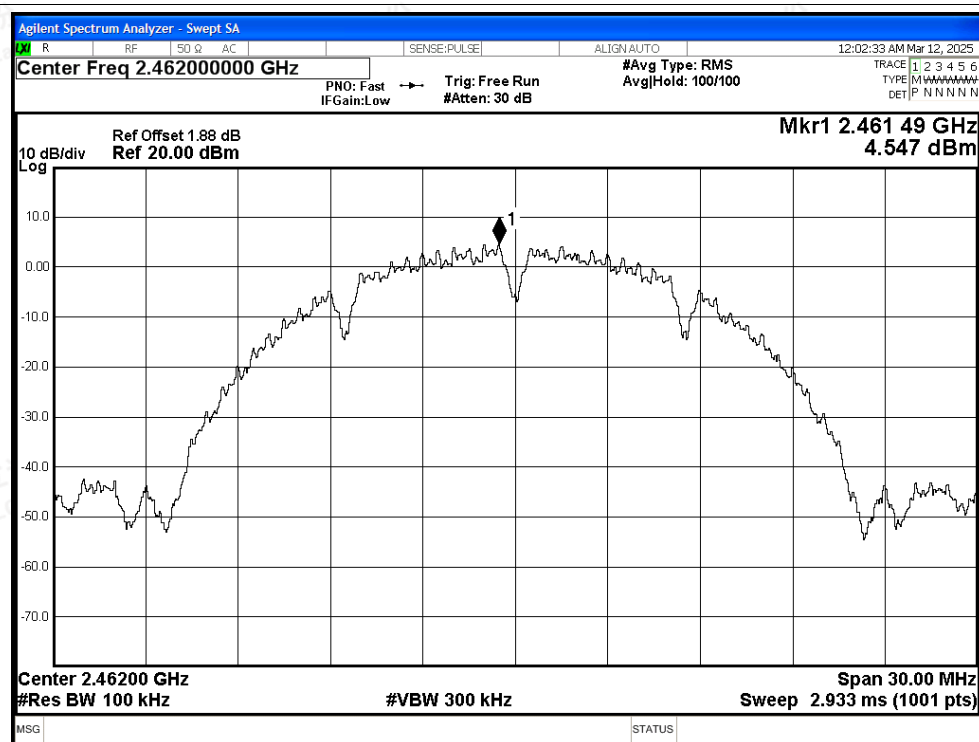
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

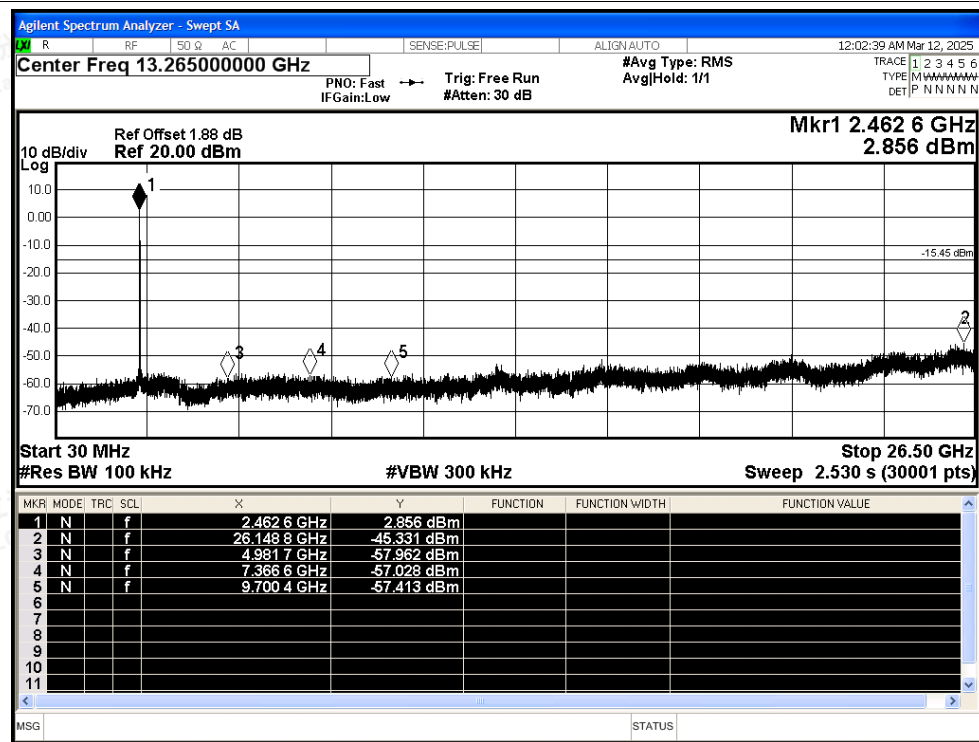
Scan code to check authenticity



## Tx. Spurious NVNT b 2462MHz Ant0 Ref



## Tx. Spurious NVNT b 2462MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

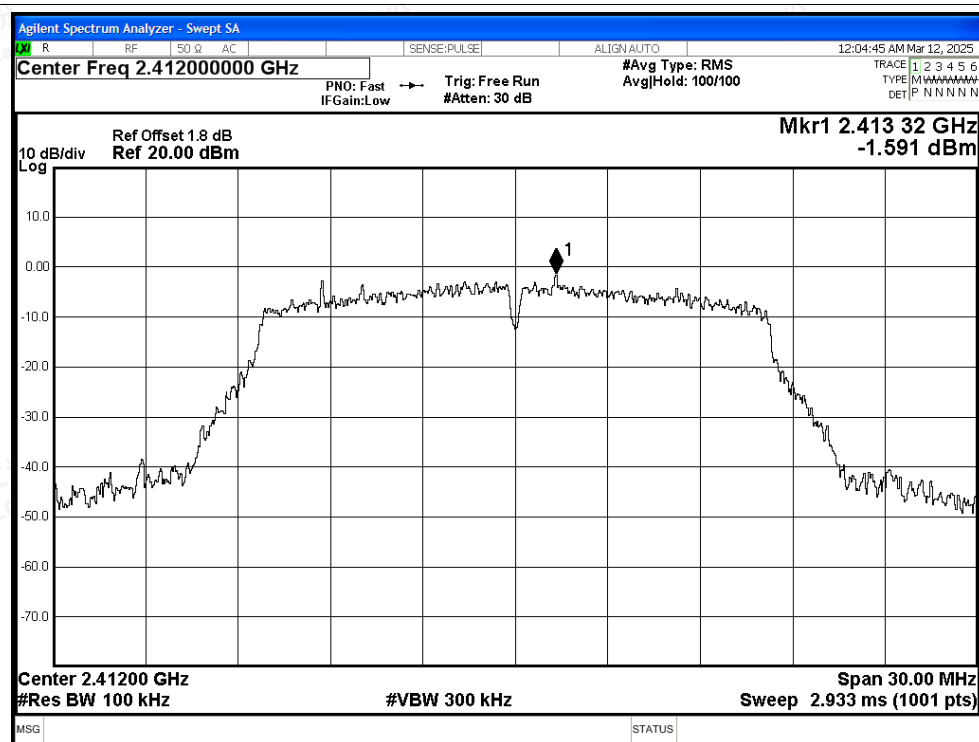
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

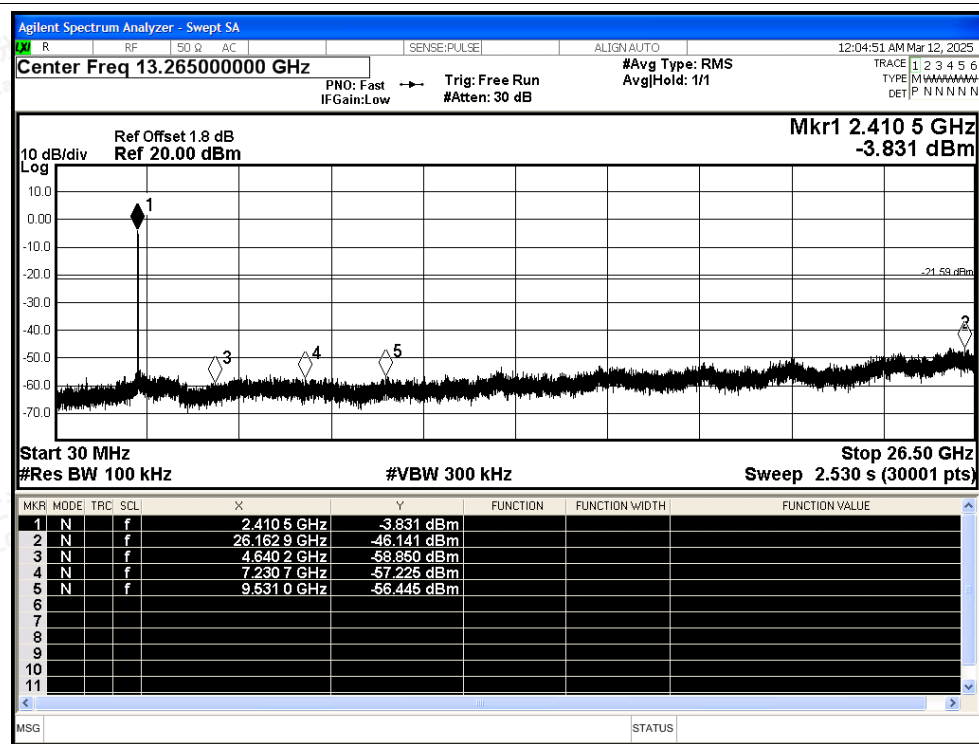
Scan code to check authenticity



## Tx. Spurious NVNT g 2412MHz Ant0 Ref



## Tx. Spurious NVNT g 2412MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

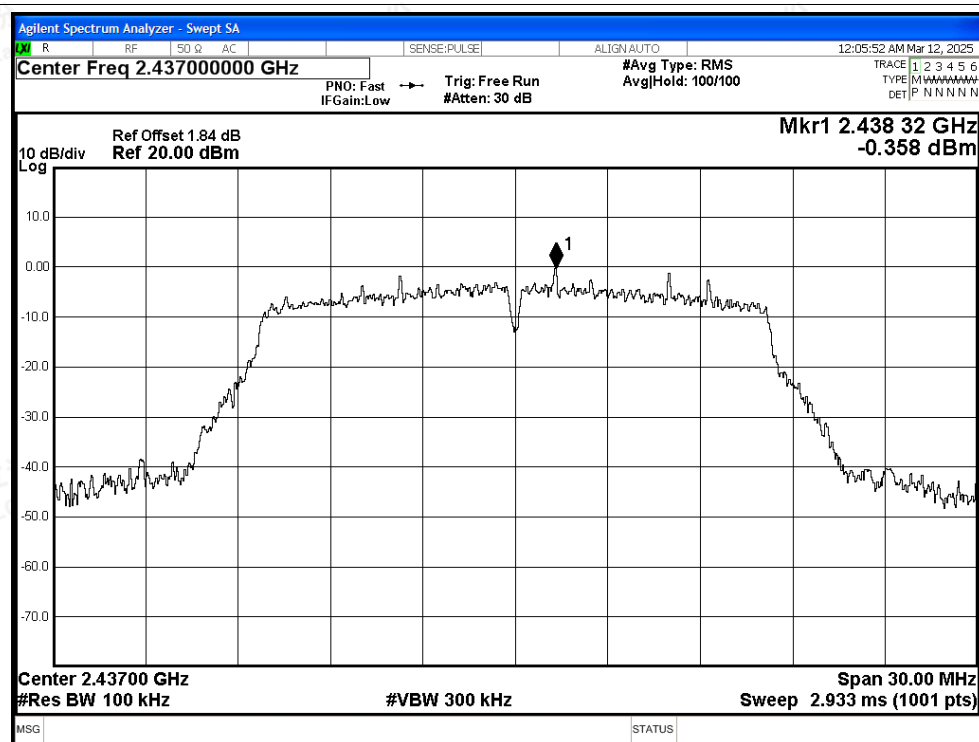
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

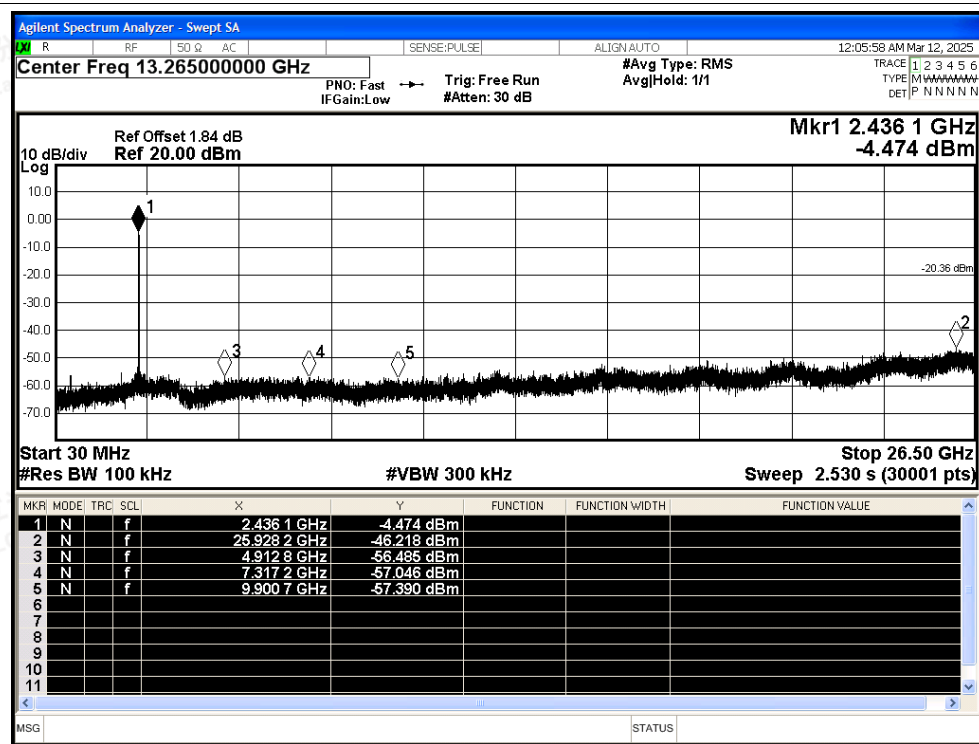
Scan code to check authenticity



## Tx. Spurious NVNT g 2437MHz Ant0 Ref



## Tx. Spurious NVNT g 2437MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

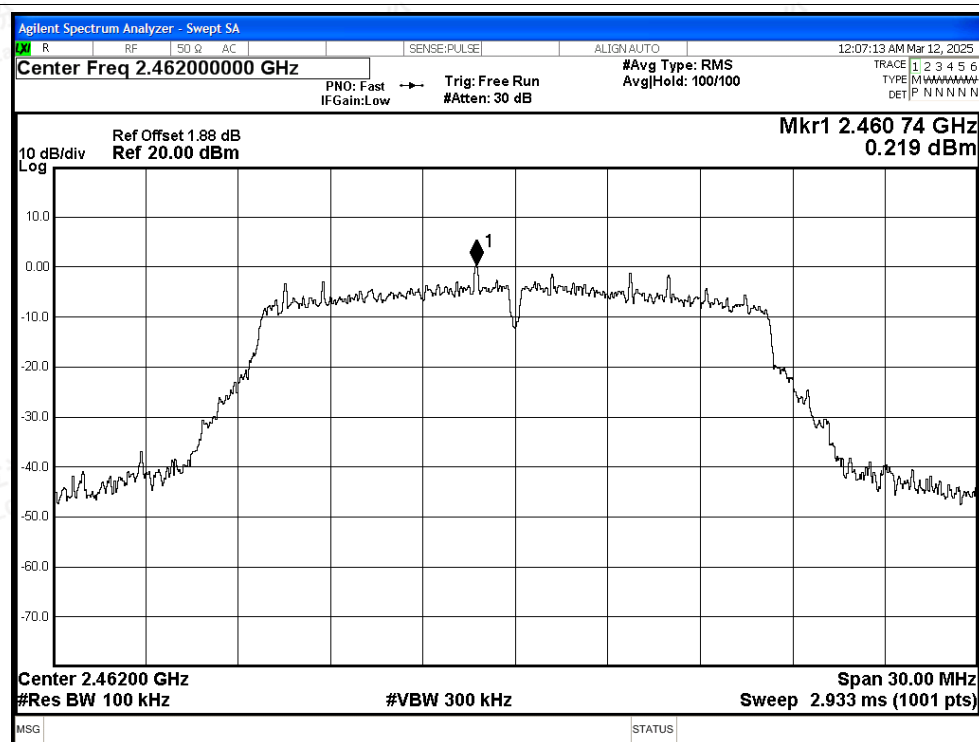
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

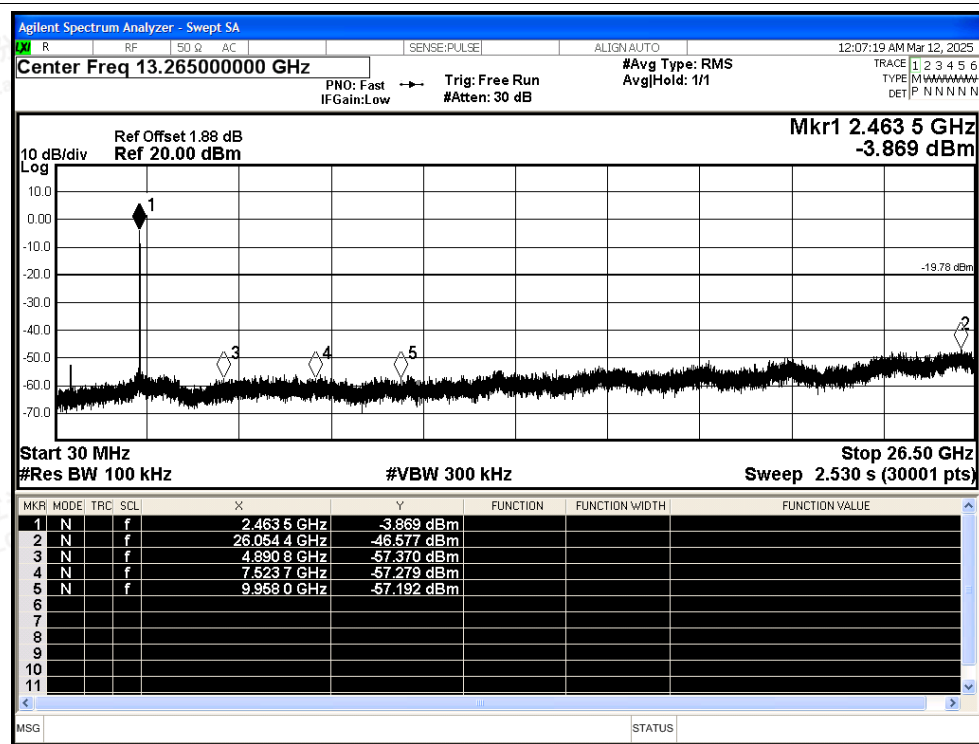
Scan code to check authenticity



## Tx. Spurious NVNT g 2462MHz Ant0 Ref



## Tx. Spurious NVNT g 2462MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

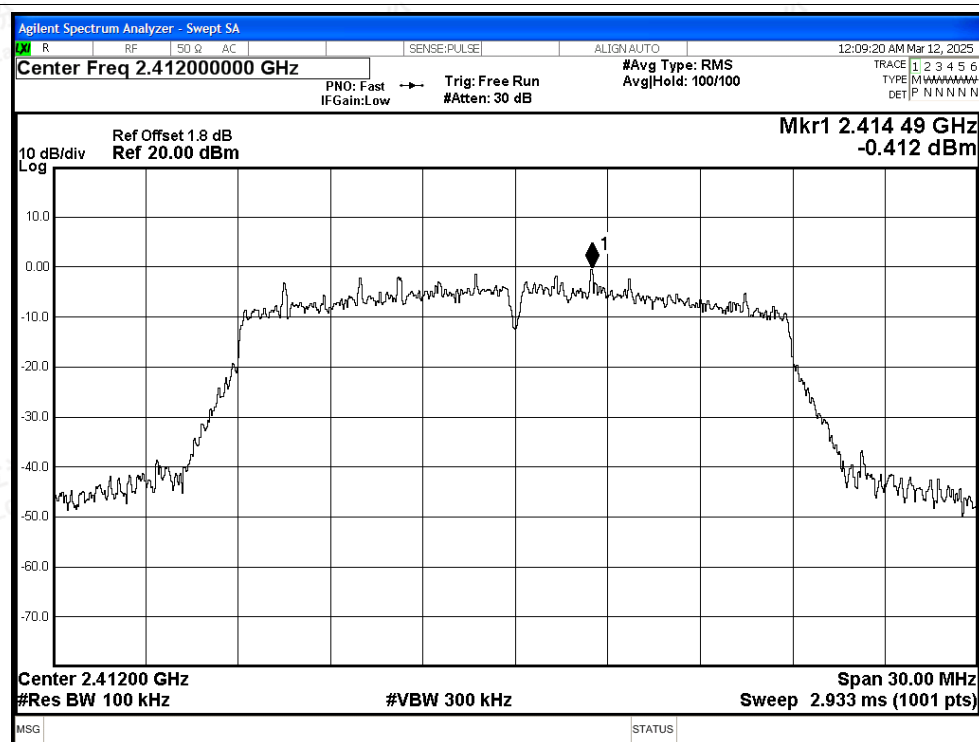
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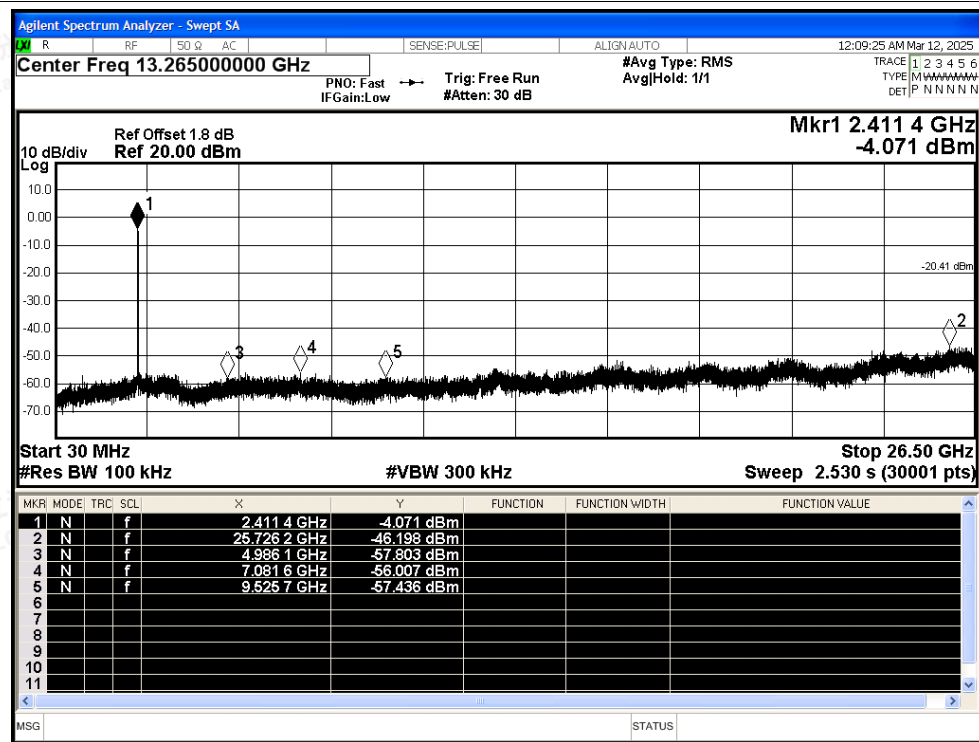
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## Tx. Spurious NVNT n20 2412MHz Ant0 Ref



## Tx. Spurious NVNT n20 2412MHz Ant0 Emission



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