



## Appendix B

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

Product Name: Smart LED Outdoor String Lights

Test Model: DCWZC4-24TC

#### Environmental Conditions

|                    |                  |
|--------------------|------------------|
| Temperature:       | 23.5° C          |
| Relative Humidity: | 52.2%            |
| ATM Pressure:      | 100.0 kPa        |
| Test Engineer:     | Nick Peng        |
|                    | <i>Nick Peng</i> |
| Supervised by:     | Joker Hu         |
|                    | <i>Joker.Hu</i>  |



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## B.1 -6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | b    | 2412            | Ant1    | 9.532                 | $\geq 0.5$                  | Pass    |
| NVNT      | b    | 2437            | Ant1    | 9.579                 | $\geq 0.5$                  | Pass    |
| NVNT      | b    | 2462            | Ant1    | 9.591                 | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2412            | Ant1    | 15.1                  | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2437            | Ant1    | 16.354                | $\geq 0.5$                  | Pass    |
| NVNT      | g    | 2462            | Ant1    | 16.348                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 17.579                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 17.538                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 17.605                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 35.885                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2437            | Ant1    | 35.679                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 2452            | Ant1    | 35.907                | $\geq 0.5$                  | Pass    |



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## Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1



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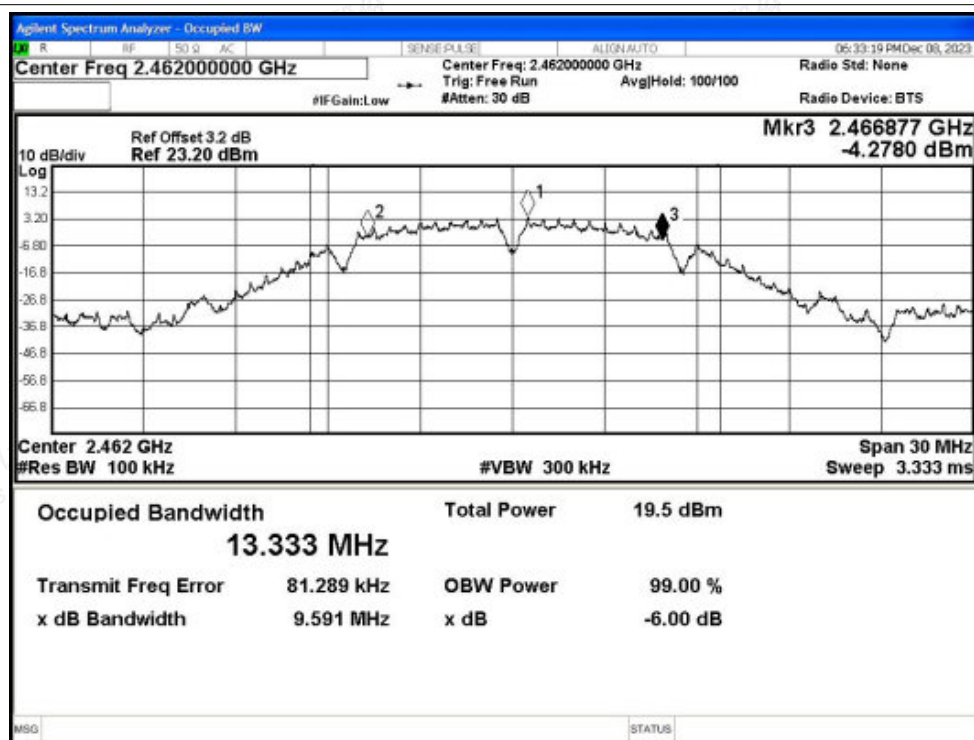
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

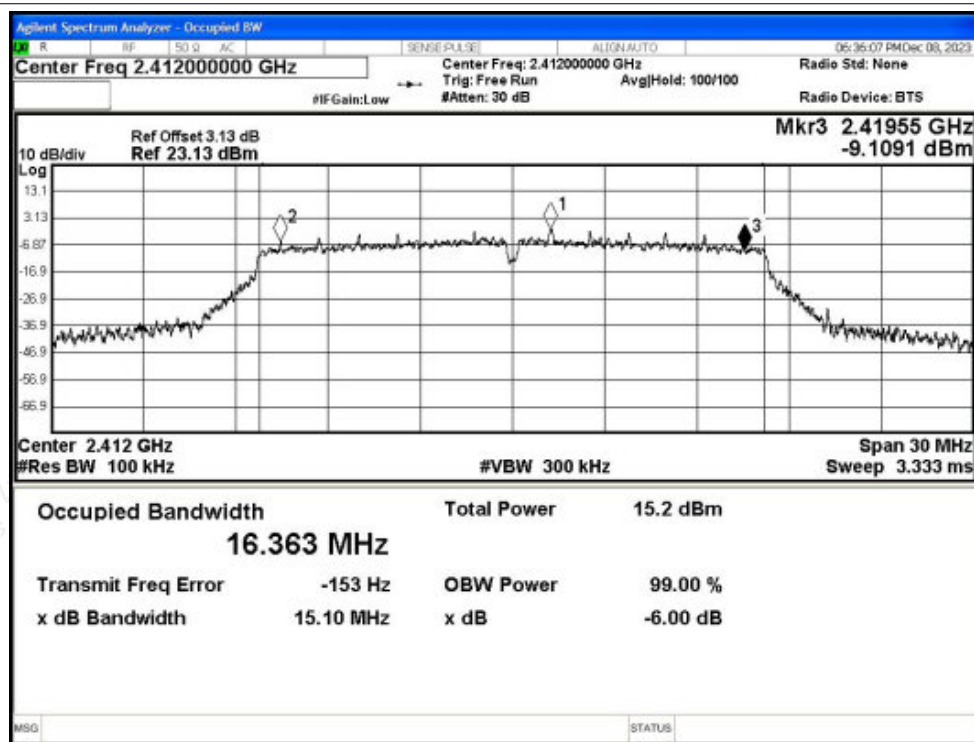
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## -6dB Bandwidth NVNT b 2462MHz Ant1



## -6dB Bandwidth NVNT g 2412MHz Ant1



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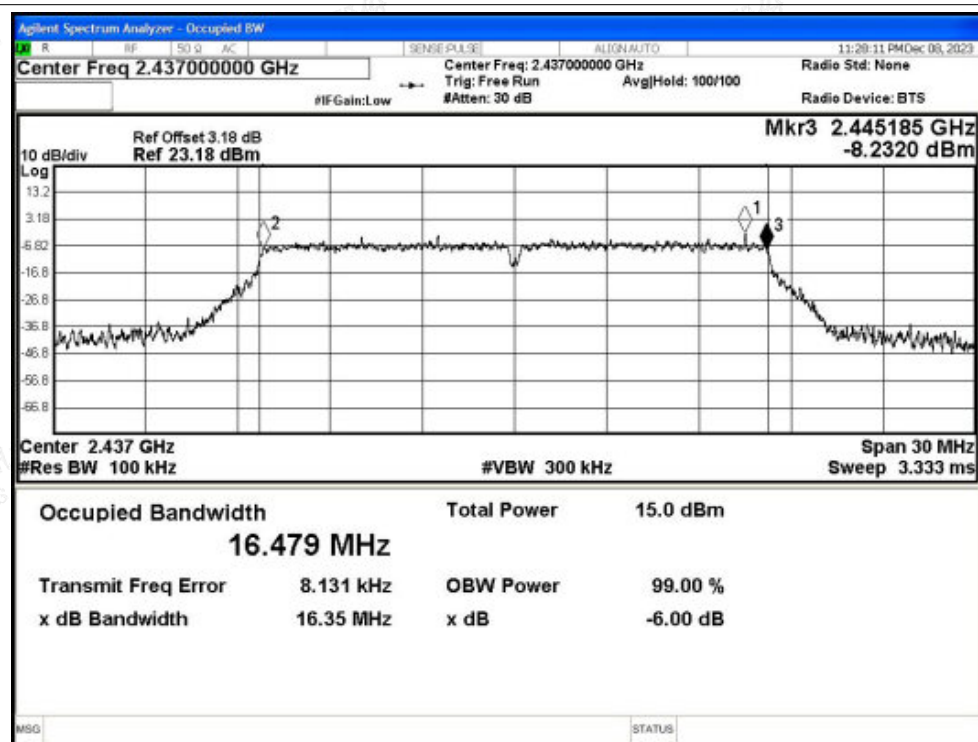
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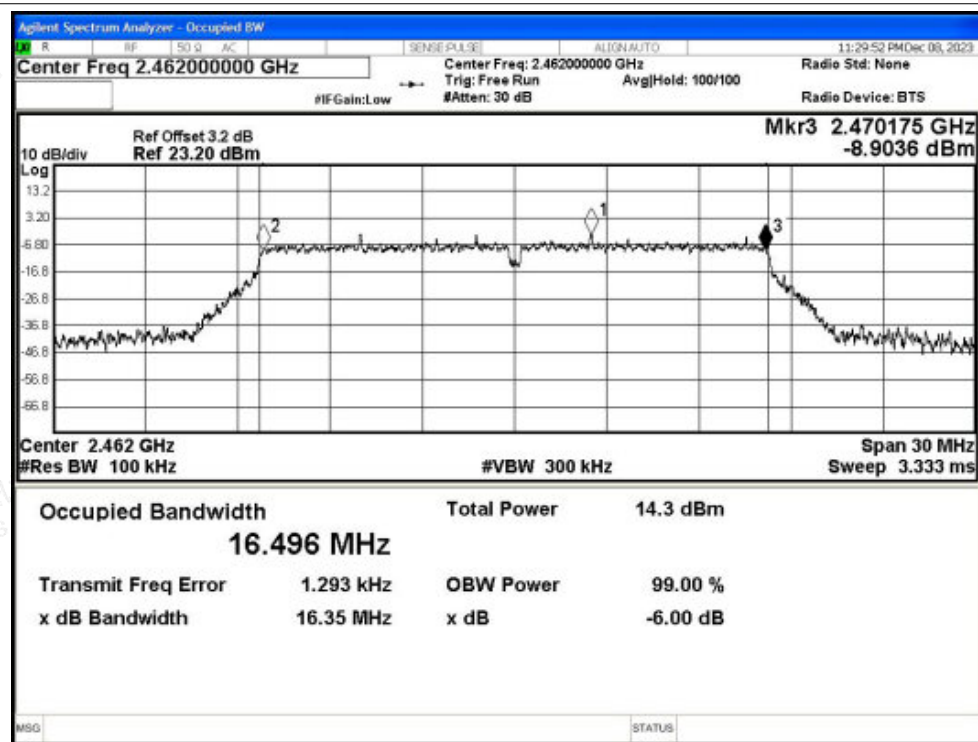
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## -6dB Bandwidth NVNT g 2437MHz Ant1



## -6dB Bandwidth NVNT g 2462MHz Ant1



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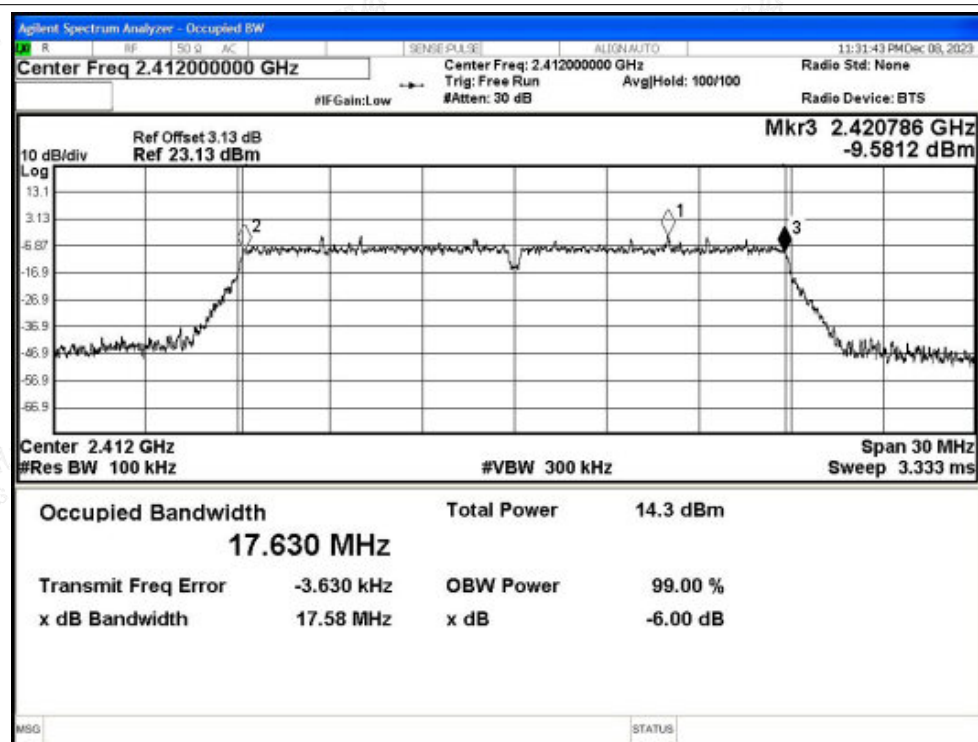
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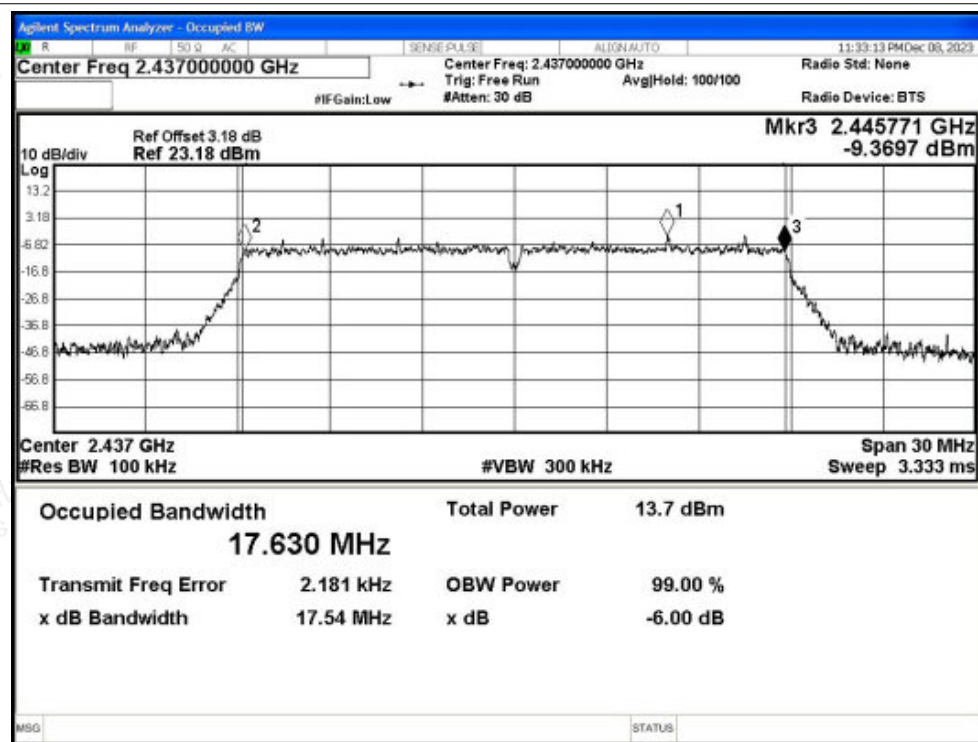
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-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



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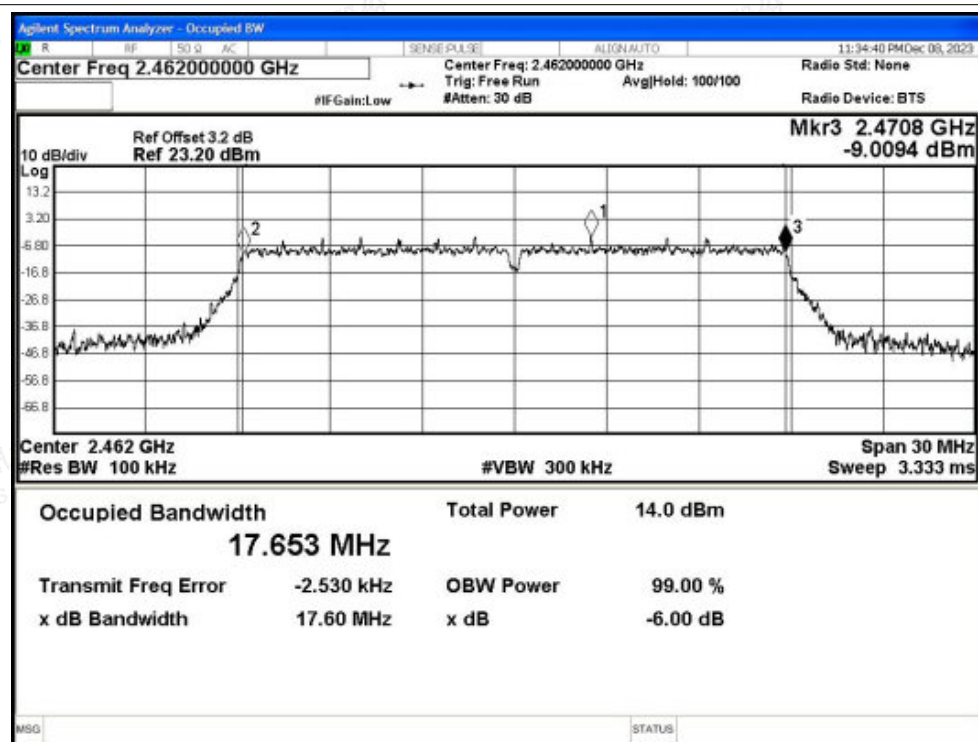
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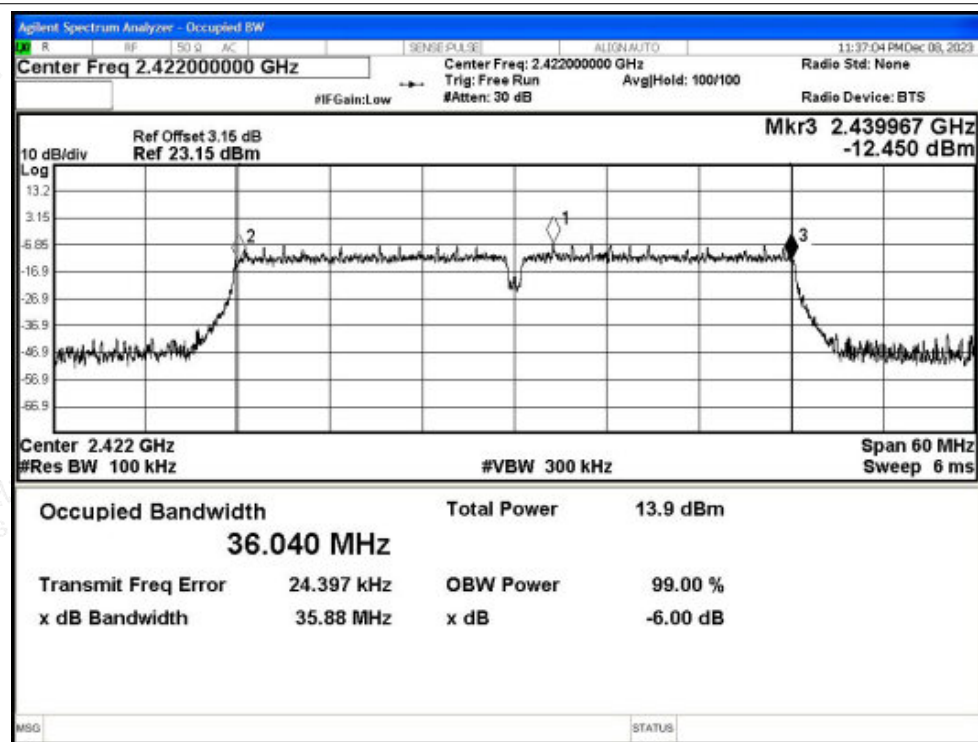
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## -6dB Bandwidth NVNT n20 2462MHz Ant1



## -6dB Bandwidth NVNT n40 2422MHz Ant1



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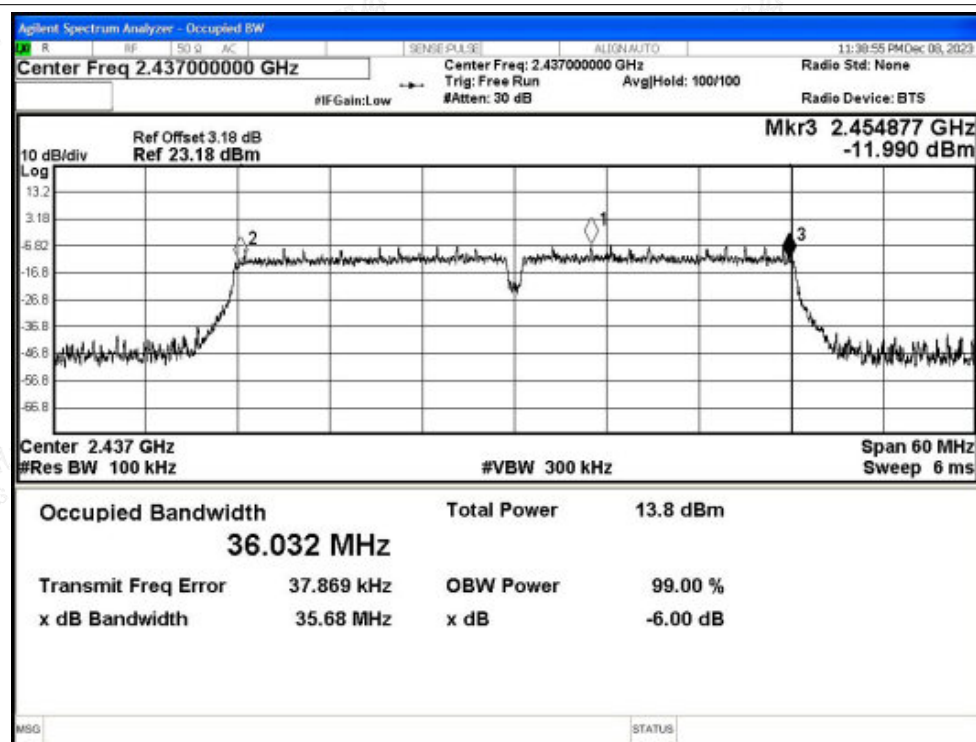
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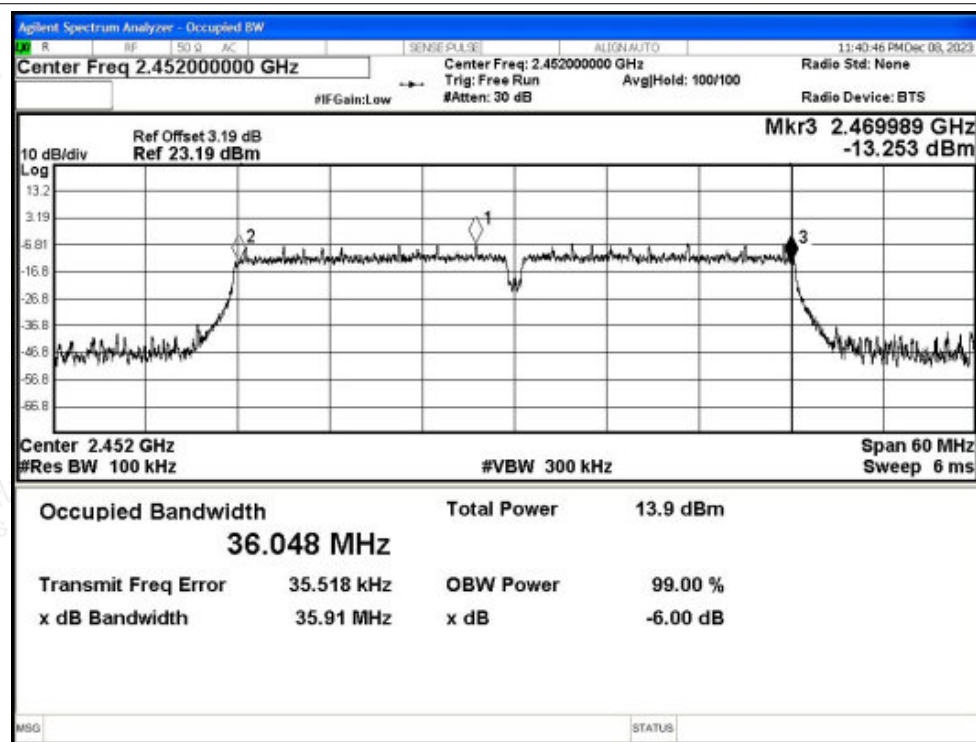
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## -6dB Bandwidth NVNT n40 2437MHz Ant1



## -6dB Bandwidth NVNT n40 2452MHz Ant1



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## B.2 Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | 14.87             | 30          | Pass    |
| NVNT      | b    | 2437            | Ant1    | 14.92             | 30          | Pass    |
| NVNT      | b    | 2462            | Ant1    | 14.55             | 30          | Pass    |
| NVNT      | g    | 2412            | Ant1    | 13.83             | 30          | Pass    |
| NVNT      | g    | 2437            | Ant1    | 13.83             | 30          | Pass    |
| NVNT      | g    | 2462            | Ant1    | 13.29             | 30          | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 12.97             | 30          | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 12.29             | 30          | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 12.74             | 30          | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 12.39             | 30          | Pass    |
| NVNT      | n40  | 2437            | Ant1    | 12.24             | 30          | Pass    |
| NVNT      | n40  | 2452            | Ant1    | 12.29             | 30          | Pass    |



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### B.3 Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Total PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|------|-----------------|---------|----------------------|------------------|---------|
| NVNT      | b    | 2412            | Ant1    | -10.48               | 8                | Pass    |
| NVNT      | b    | 2437            | Ant1    | -9.87                | 8                | Pass    |
| NVNT      | b    | 2462            | Ant1    | -5.93                | 8                | Pass    |
| NVNT      | g    | 2412            | Ant1    | -14.84               | 8                | Pass    |
| NVNT      | g    | 2437            | Ant1    | -16.9                | 8                | Pass    |
| NVNT      | g    | 2462            | Ant1    | -17.24               | 8                | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -17.8                | 8                | Pass    |
| NVNT      | n20  | 2437            | Ant1    | -17.34               | 8                | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -17.29               | 8                | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -21.05               | 8                | Pass    |
| NVNT      | n40  | 2437            | Ant1    | -20.38               | 8                | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -20.58               | 8                | Pass    |



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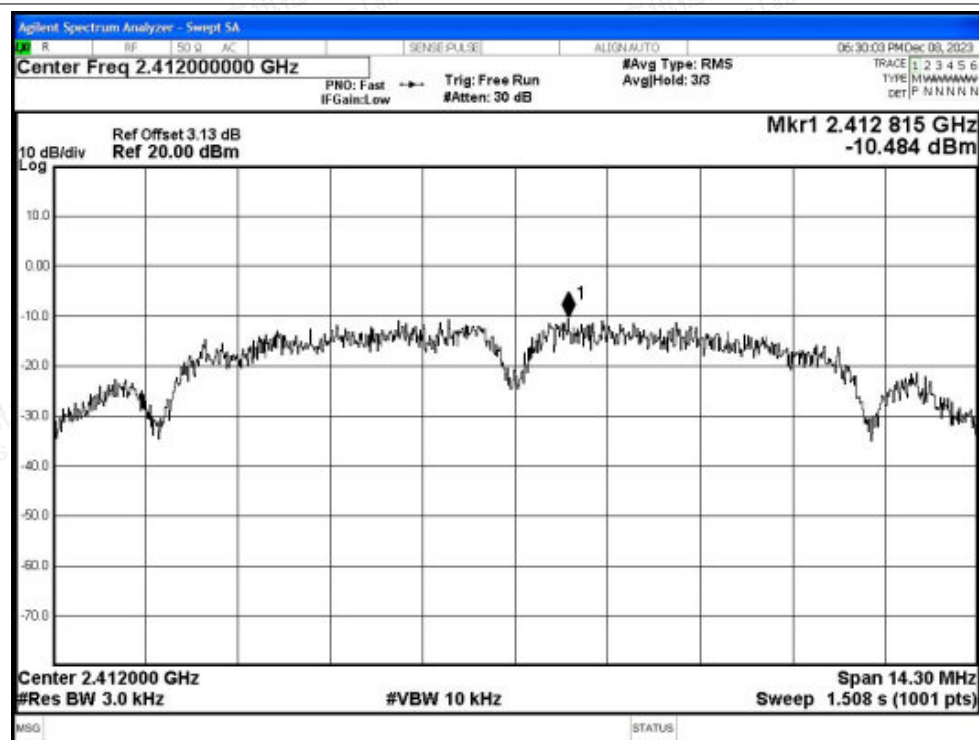
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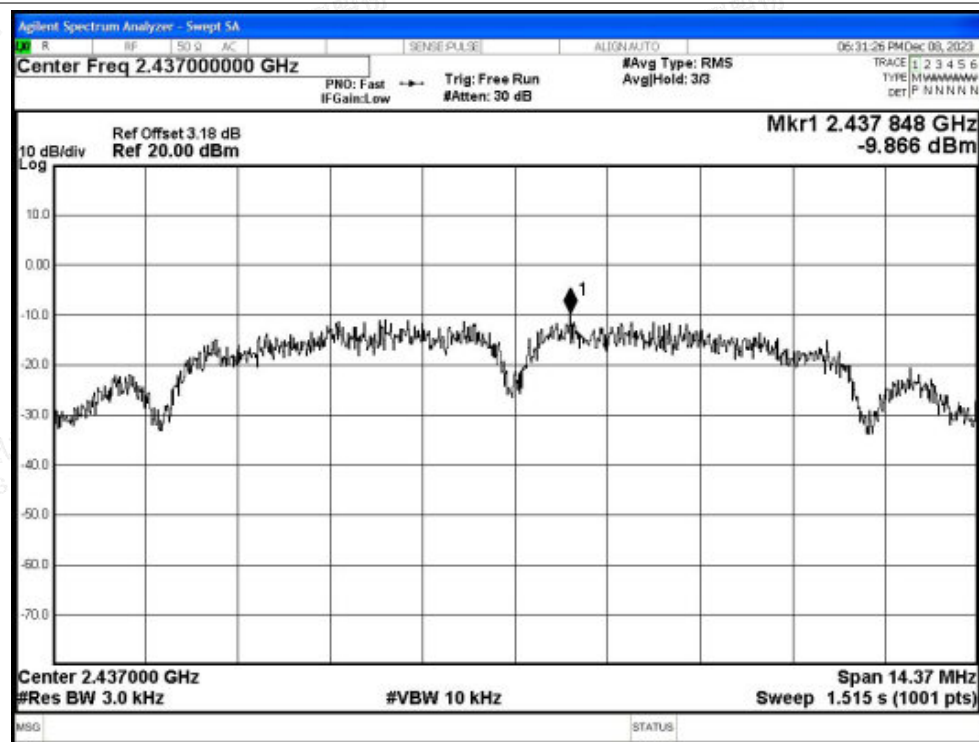


## Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



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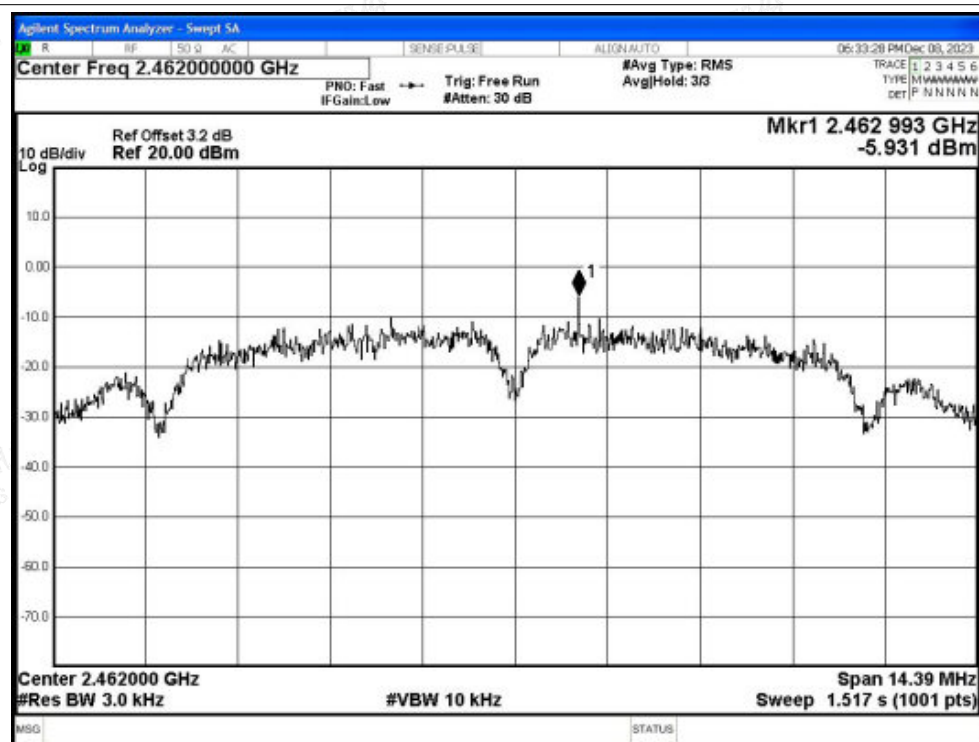
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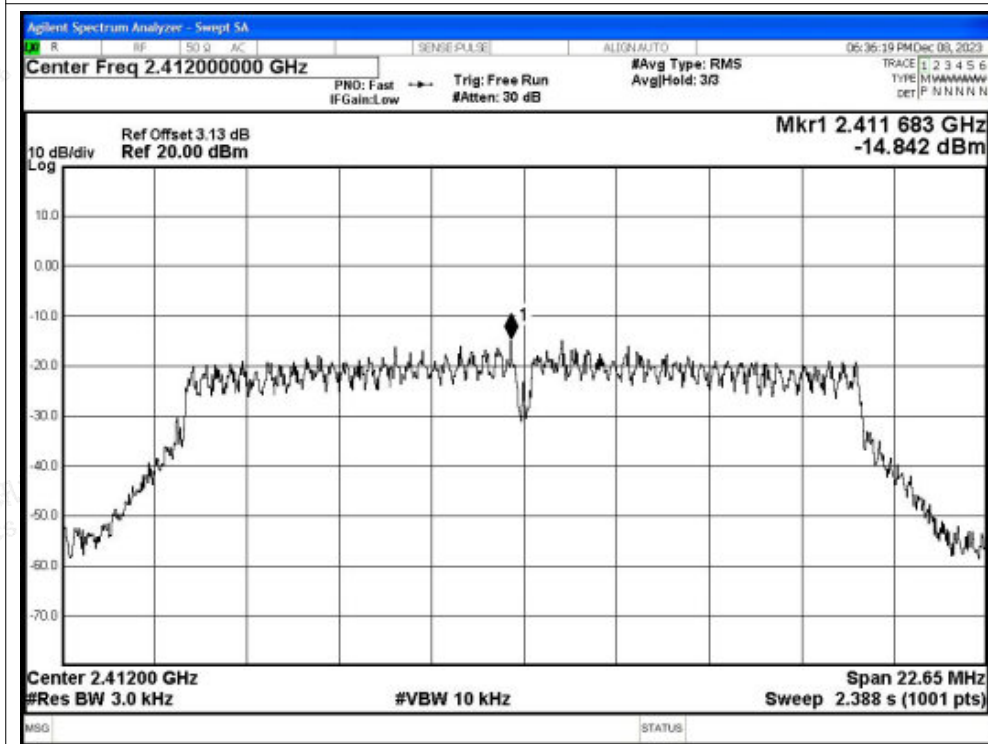
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PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1



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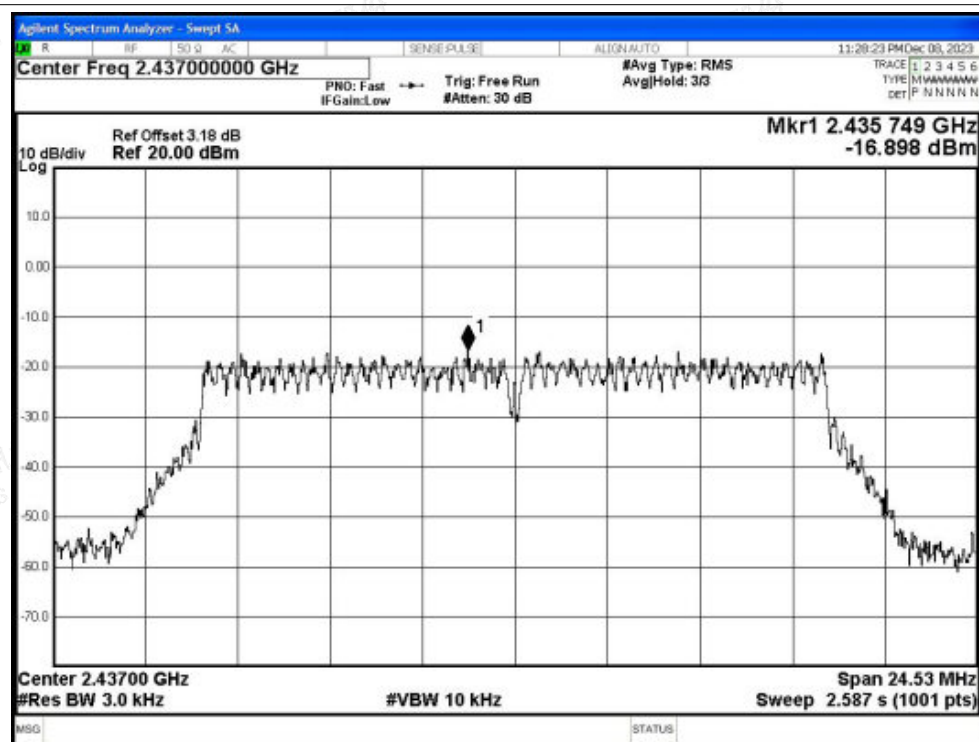
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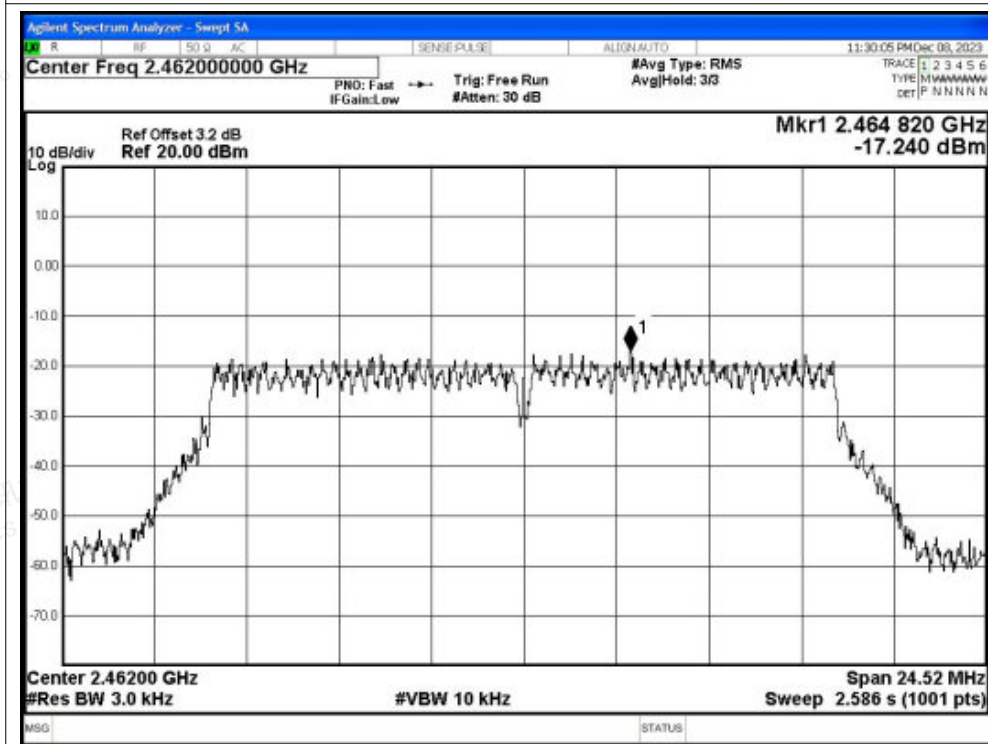
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PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1



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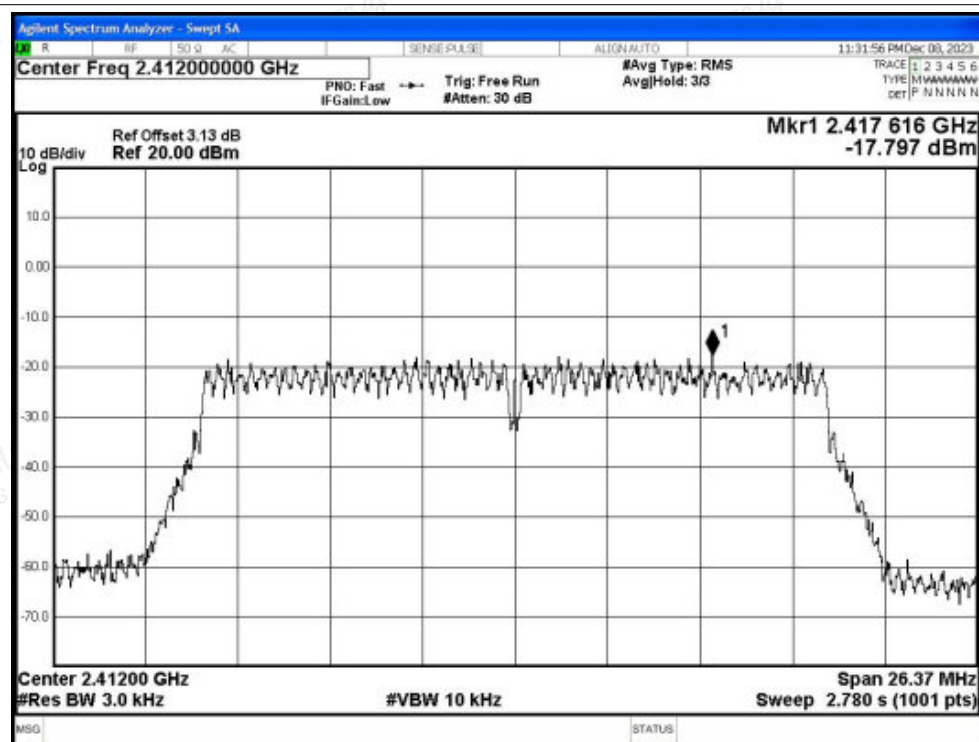
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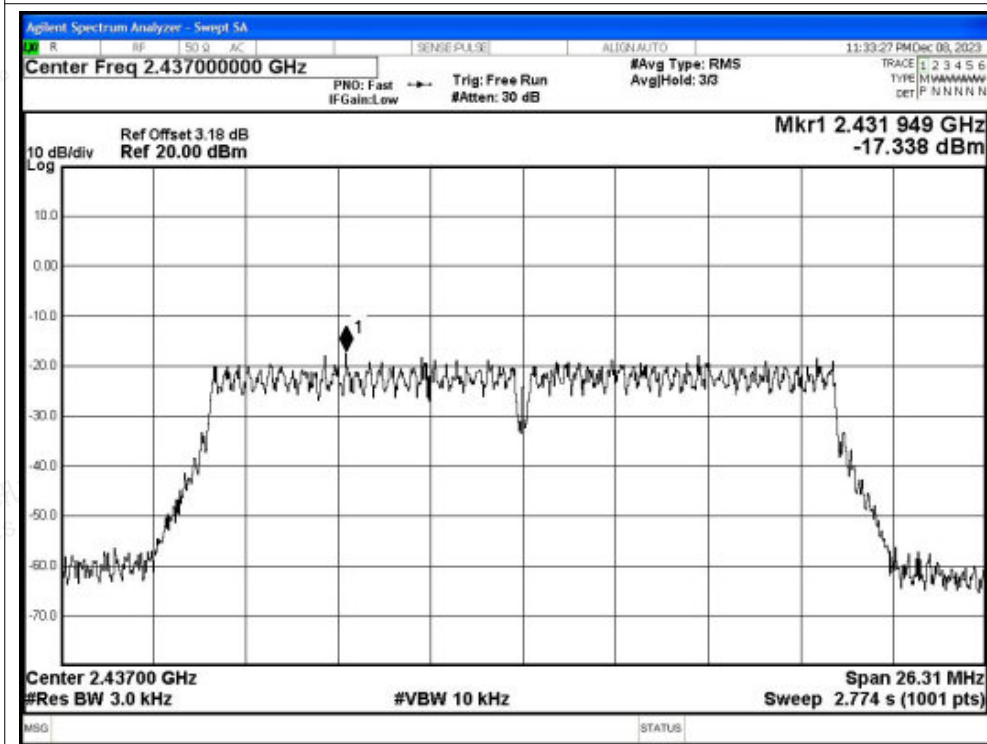
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PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



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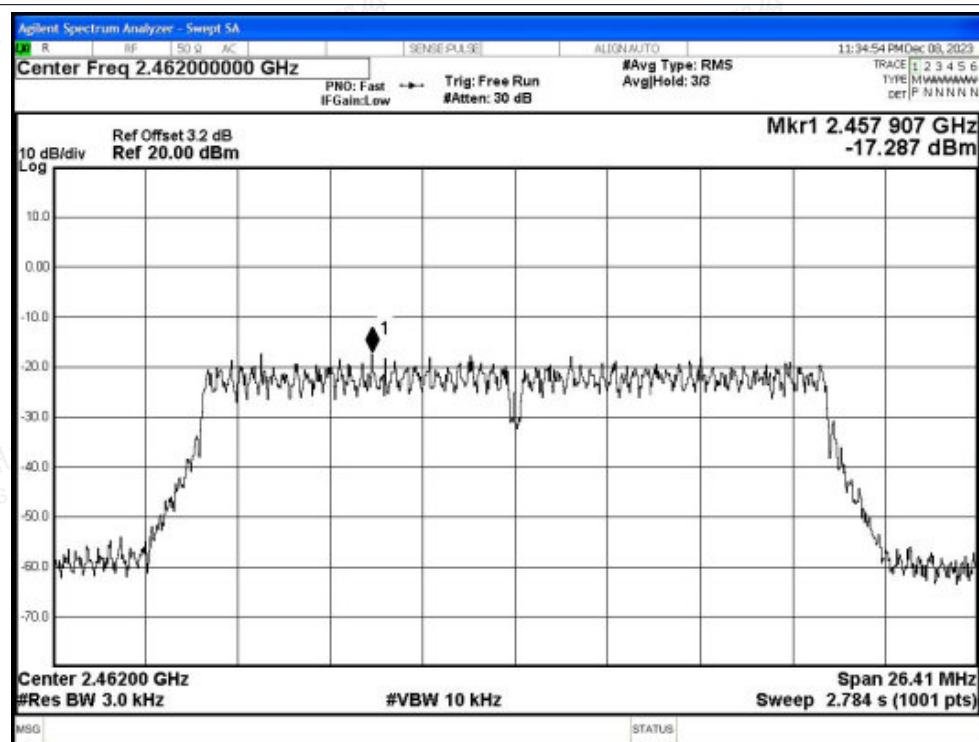
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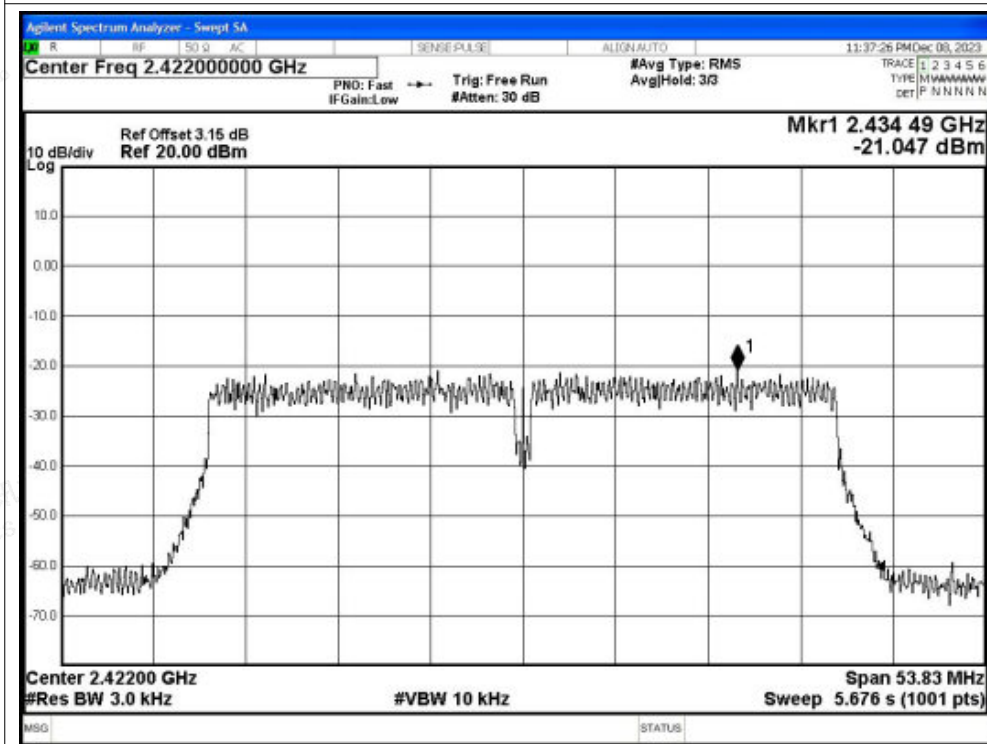
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PSD NVNT n20 2462MHz Ant1



PSD NVNT n40 2422MHz Ant1



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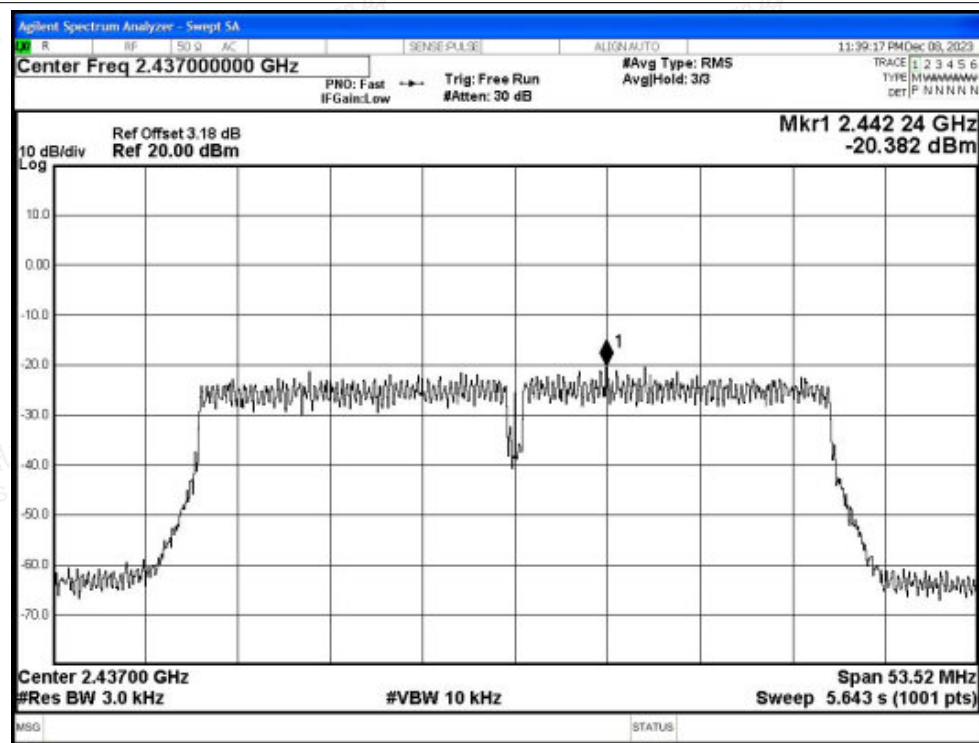
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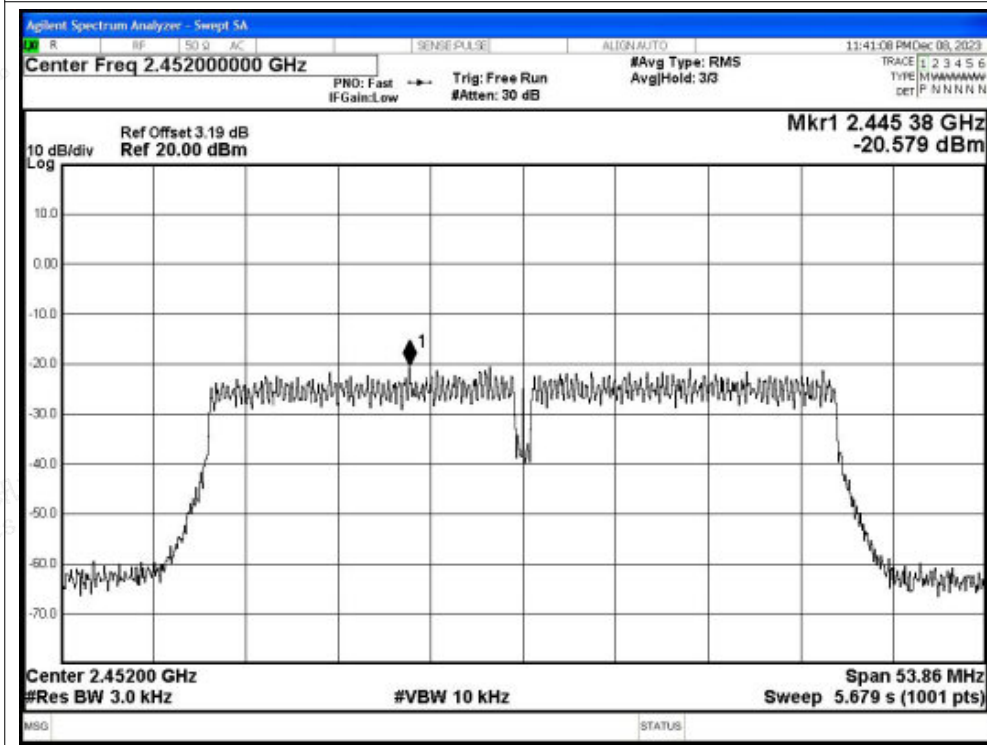
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PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1



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## B.4 Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | -42.05          | -20         | Pass    |
| NVNT      | b    | 2462            | Ant1    | -49.86          | -20         | Pass    |
| NVNT      | g    | 2412            | Ant1    | -34             | -20         | Pass    |
| NVNT      | g    | 2462            | Ant1    | -46.35          | -20         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -37.4           | -20         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -45.93          | -20         | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -34.91          | -20         | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -34.75          | -20         | Pass    |



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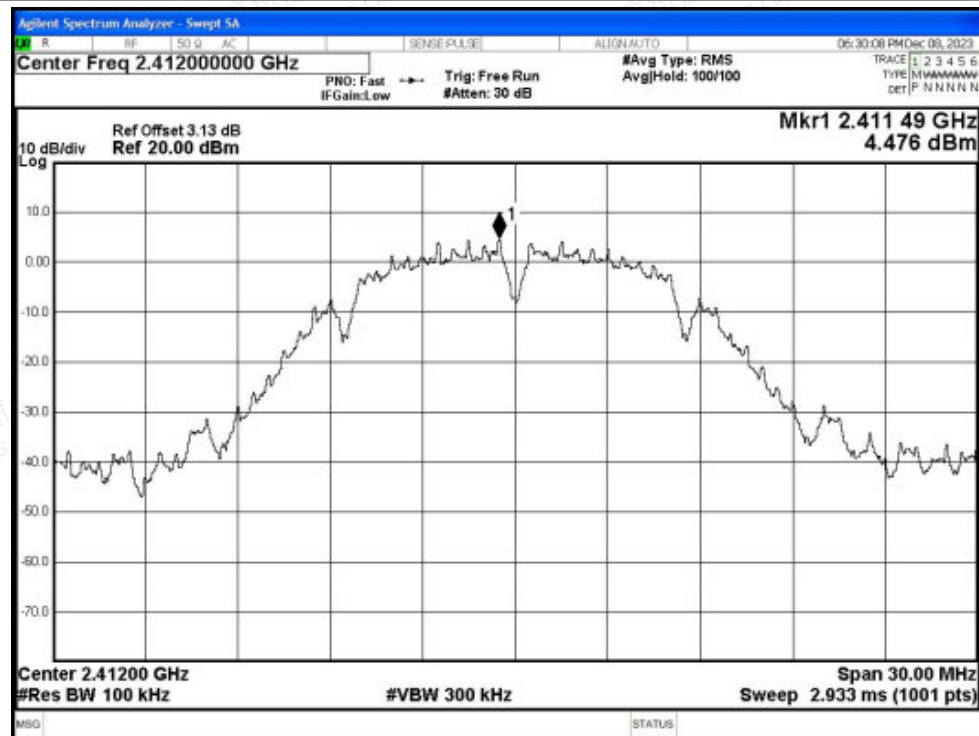
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## Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



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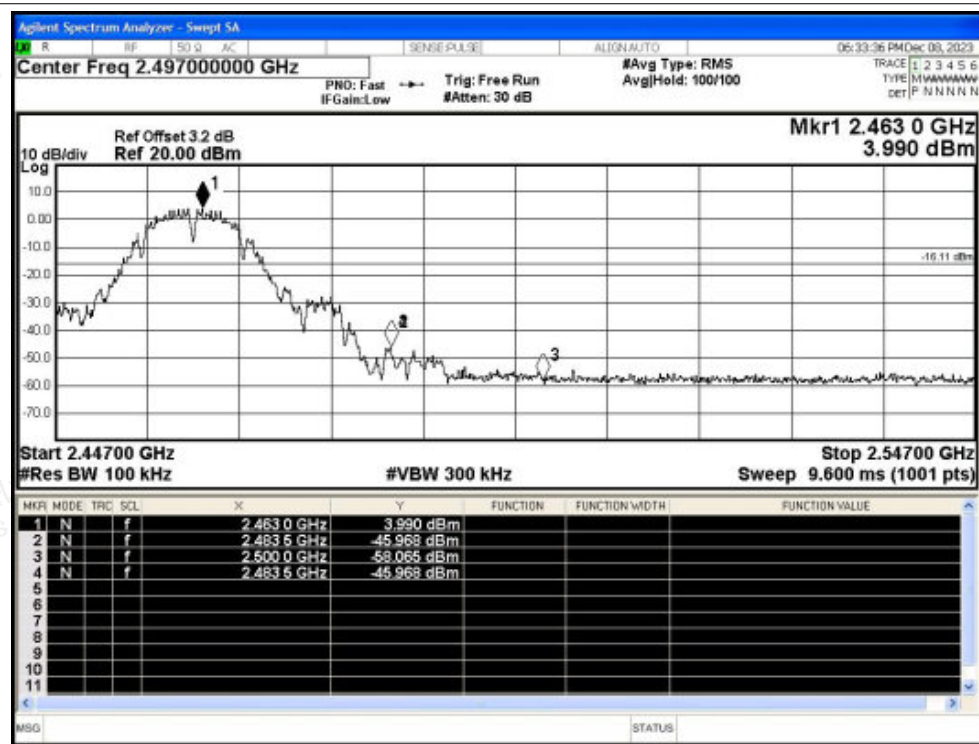
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## Band Edge NVNT b 2462MHz Ant1 Ref



## Band Edge NVNT b 2462MHz Ant1 Emission



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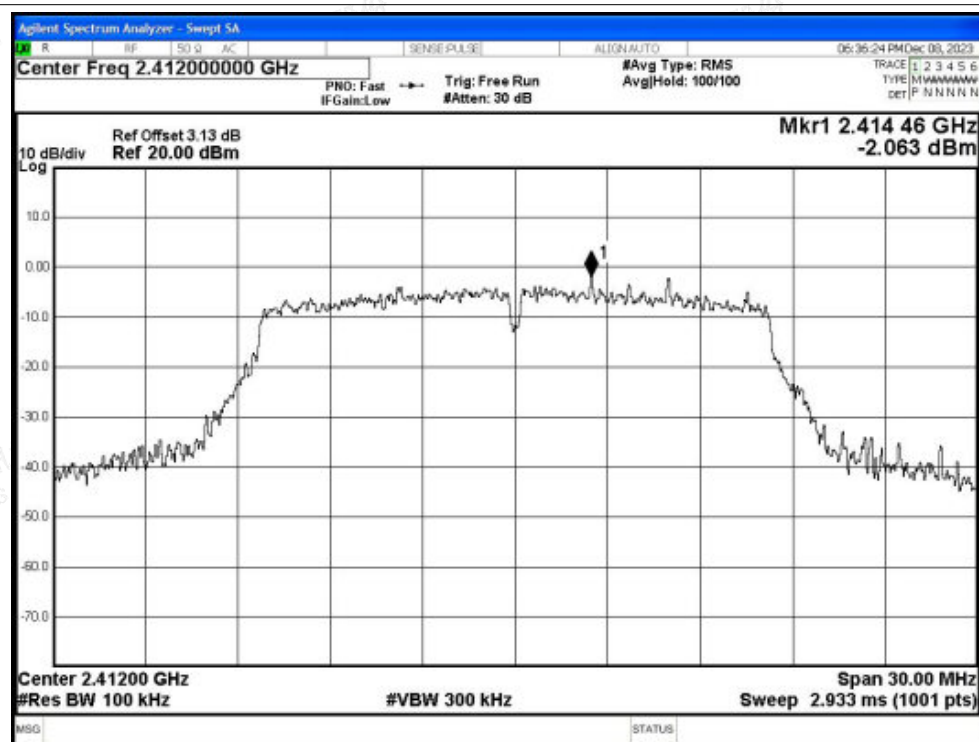
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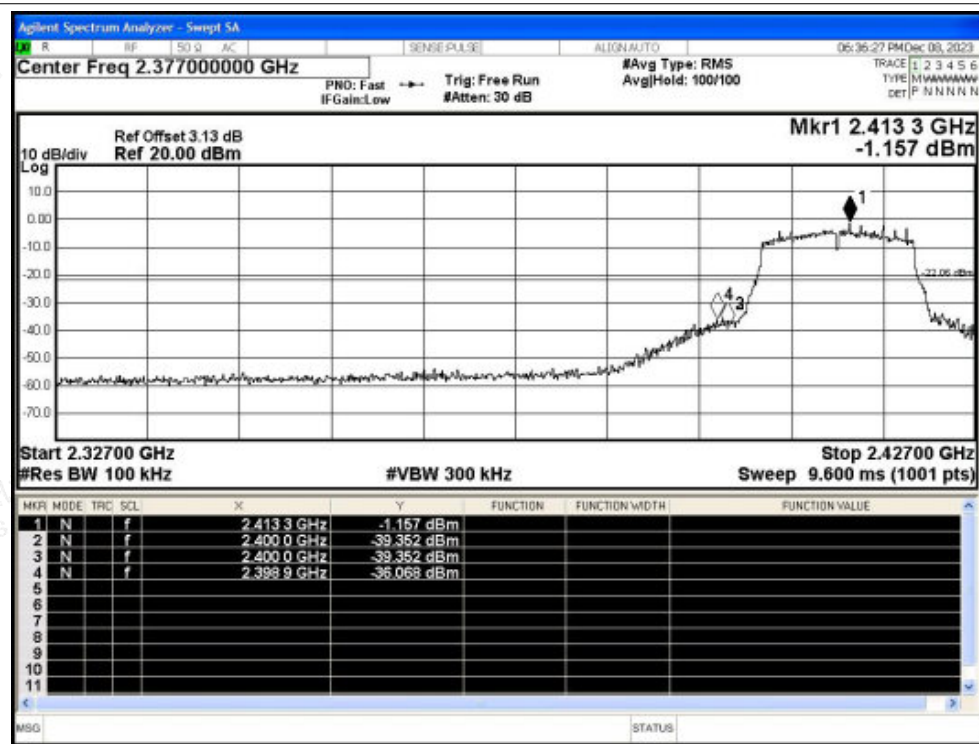
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## Band Edge NVNT g 2412MHz Ant1 Ref



## Band Edge NVNT g 2412MHz Ant1 Emission



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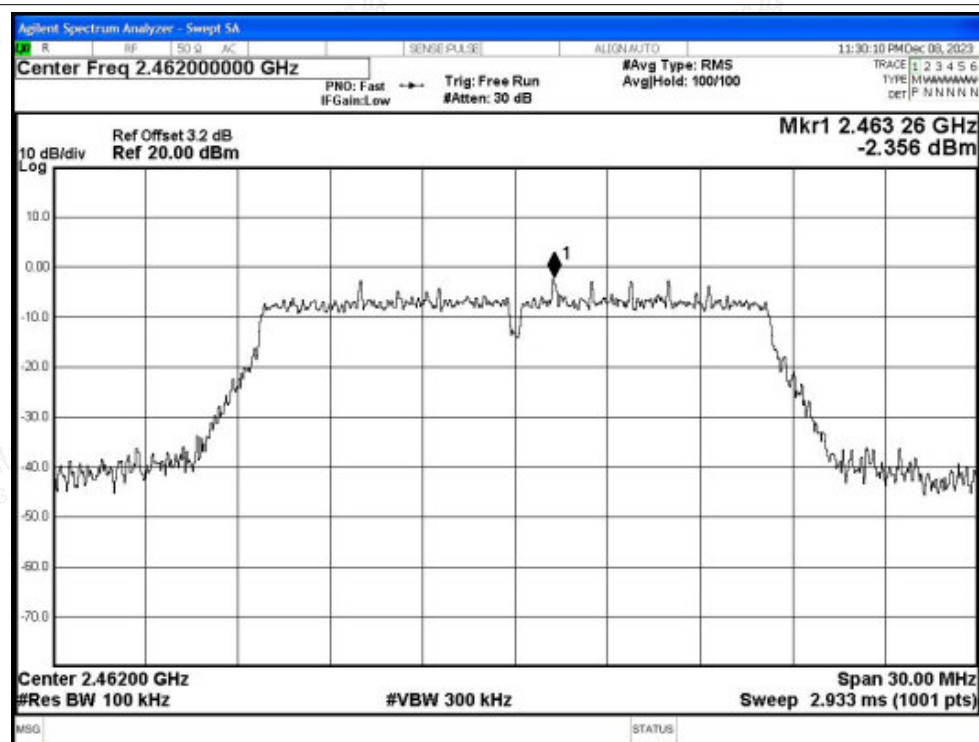
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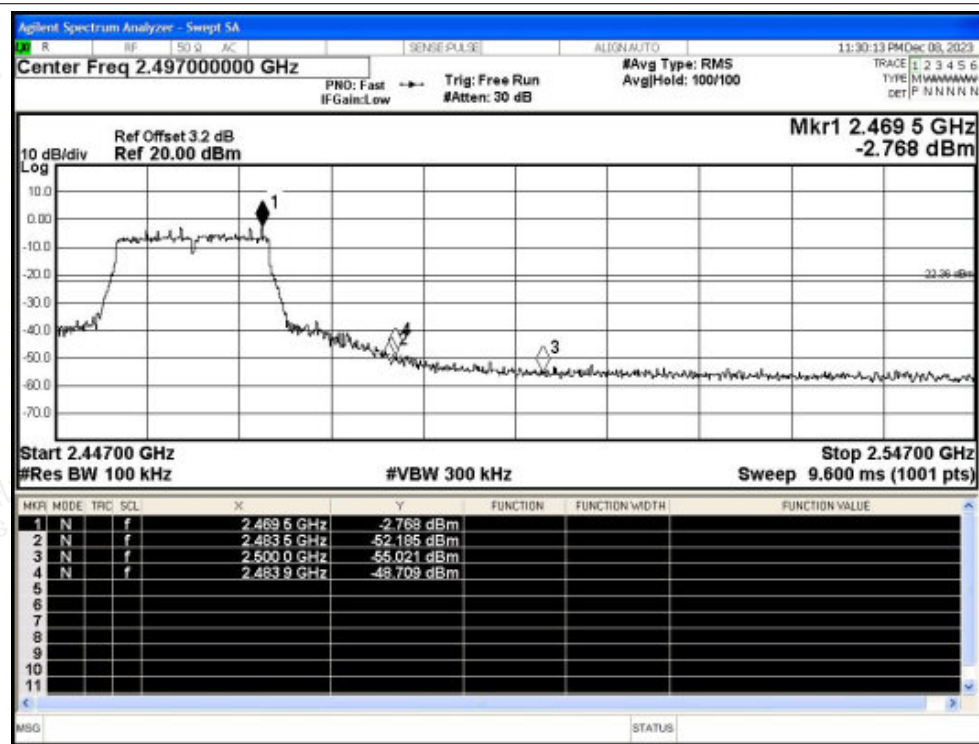
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## Band Edge NVNT g 2462MHz Ant1 Ref



## Band Edge NVNT g 2462MHz Ant1 Emission



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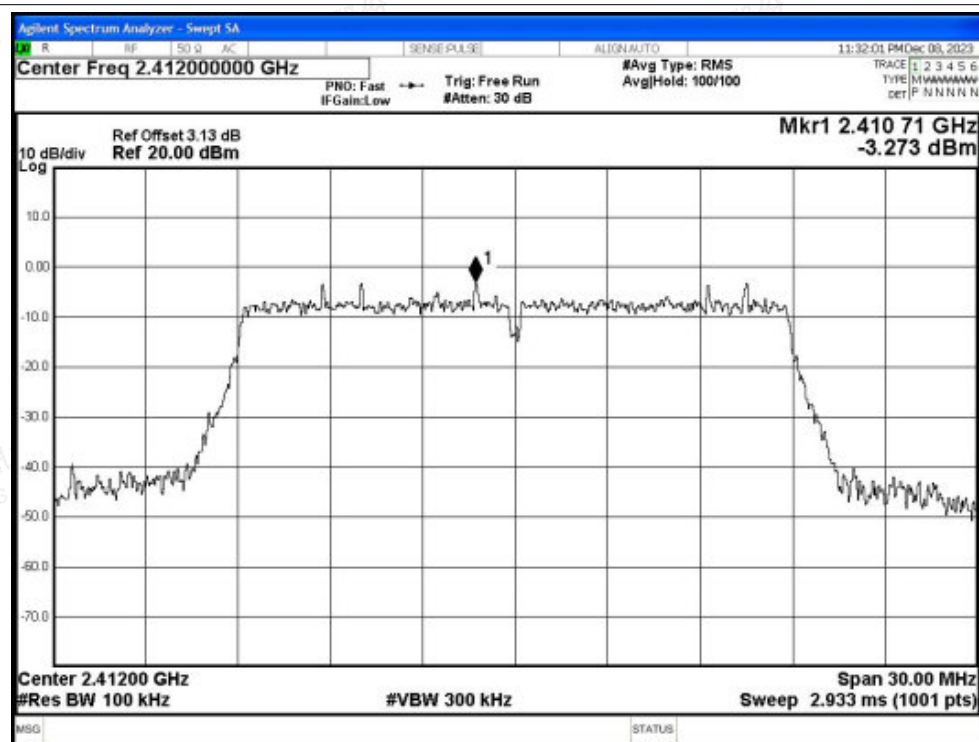
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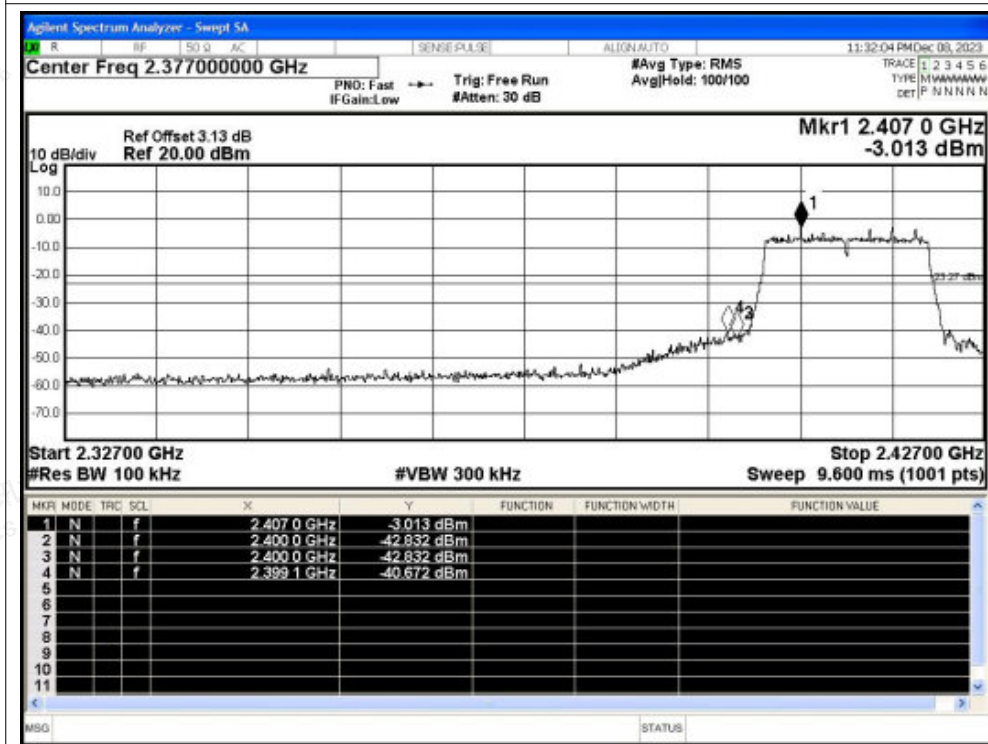
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## Band Edge NVNT n20 2412MHz Ant1 Ref



## Band Edge NVNT n20 2412MHz Ant1 Emission



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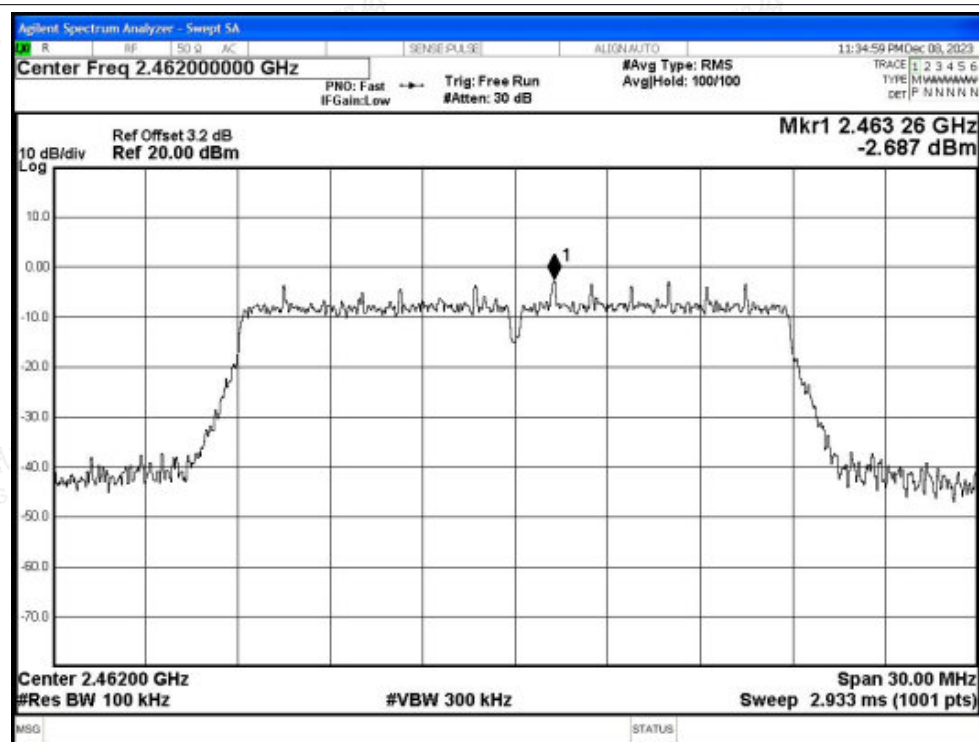
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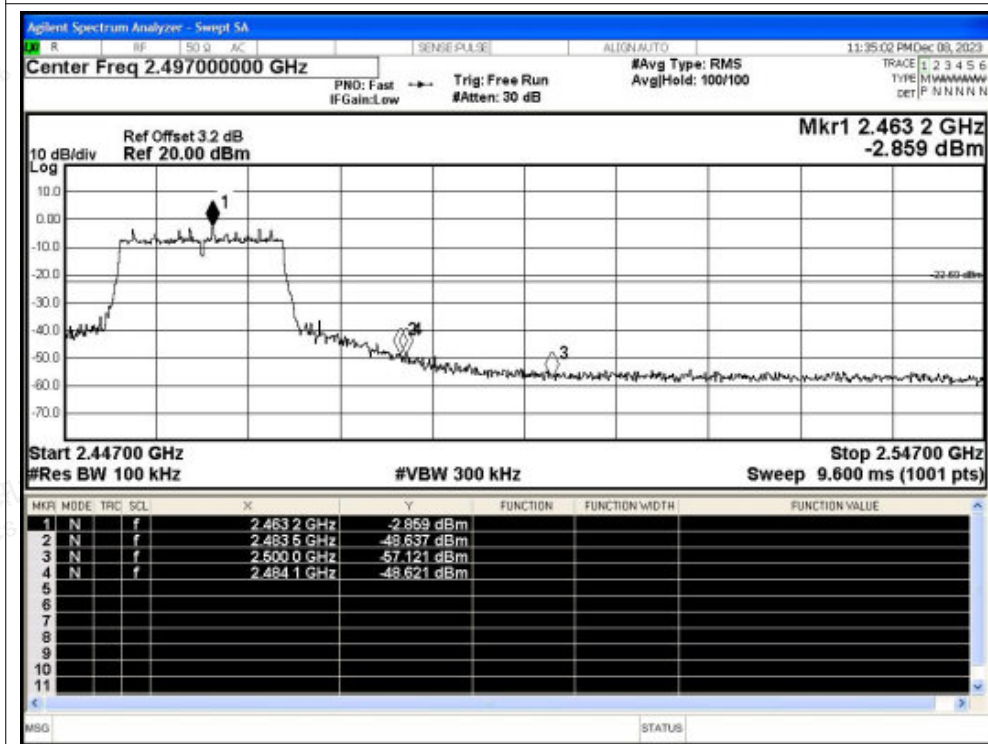
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## Band Edge NVNT n20 2462MHz Ant1 Ref



## Band Edge NVNT n20 2462MHz Ant1 Emission



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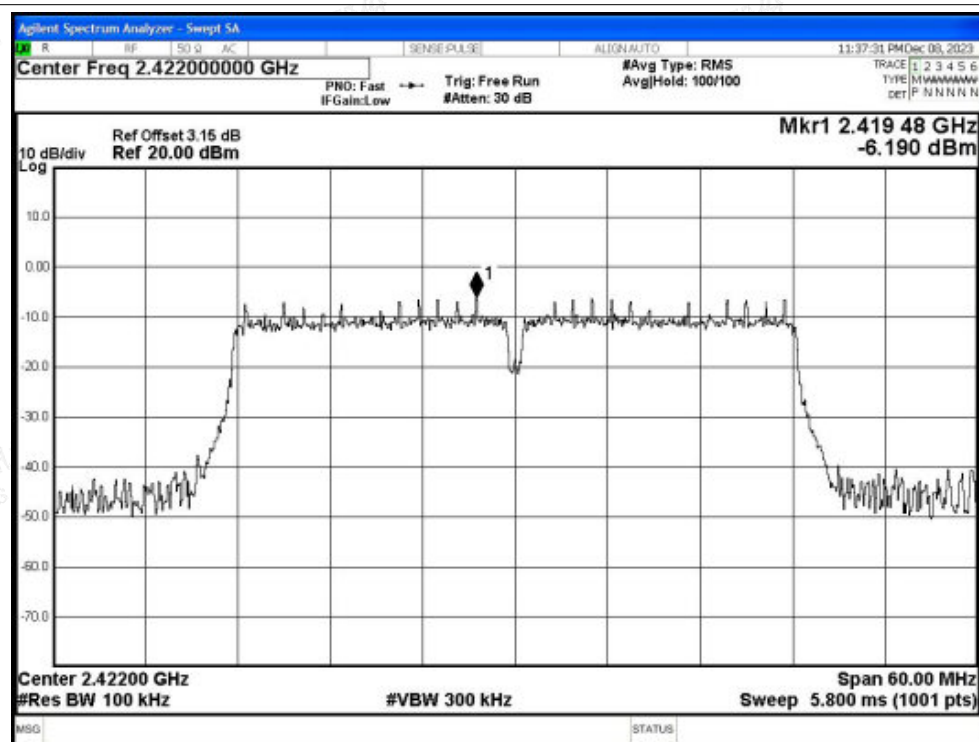
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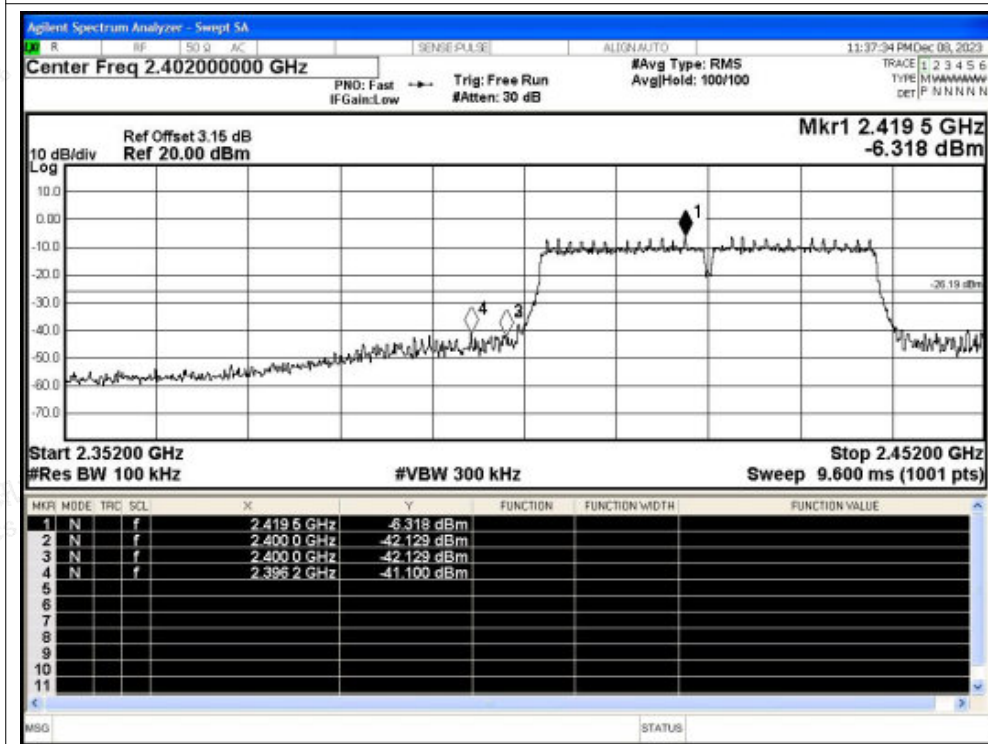
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## Band Edge NVNT n40 2422MHz Ant1 Ref



## Band Edge NVNT n40 2422MHz Ant1 Emission



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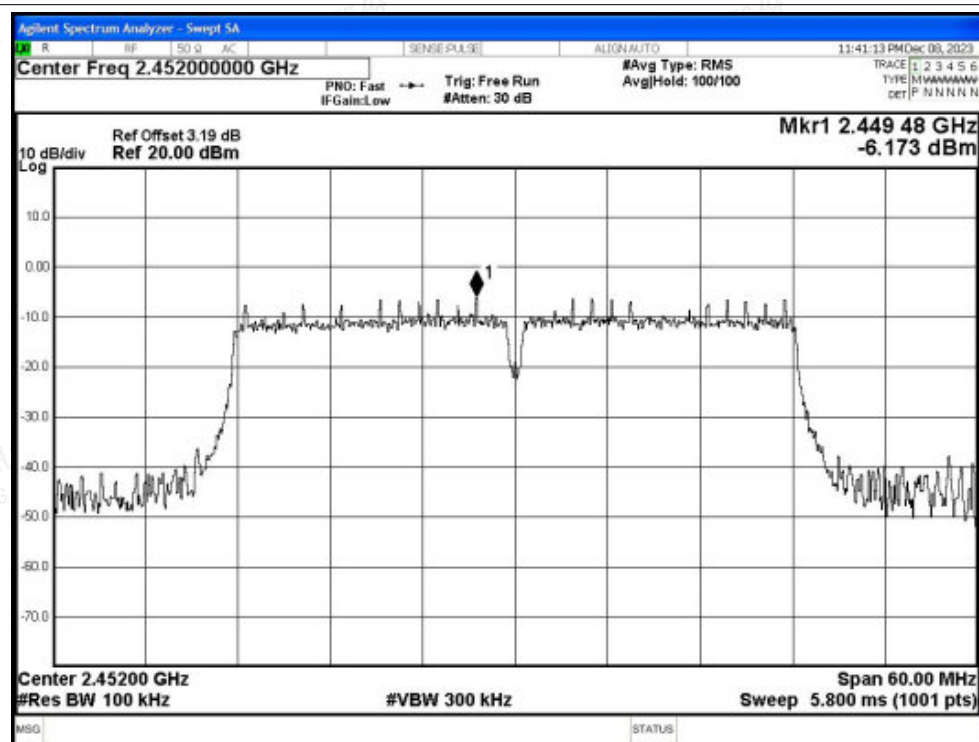
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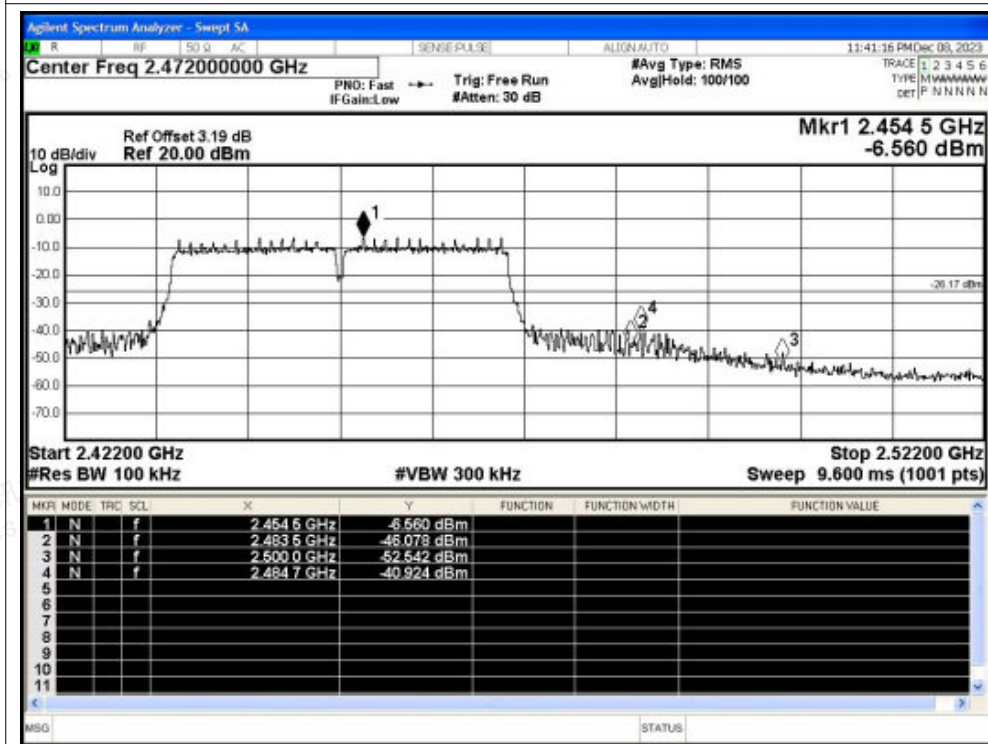
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## Band Edge NVNT n40 2452MHz Ant1 Ref



## Band Edge NVNT n40 2452MHz Ant1 Emission



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## B.5 Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | -49.85          | -20         | Pass    |
| NVNT      | b    | 2437            | Ant1    | -48.99          | -20         | Pass    |
| NVNT      | b    | 2462            | Ant1    | -49.54          | -20         | Pass    |
| NVNT      | g    | 2412            | Ant1    | -43.17          | -20         | Pass    |
| NVNT      | g    | 2437            | Ant1    | -43.12          | -20         | Pass    |
| NVNT      | g    | 2462            | Ant1    | -41.85          | -20         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -41.96          | -20         | Pass    |
| NVNT      | n20  | 2437            | Ant1    | -41.44          | -20         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -42.21          | -20         | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -39.65          | -20         | Pass    |
| NVNT      | n40  | 2437            | Ant1    | -38.96          | -20         | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -38.46          | -20         | Pass    |



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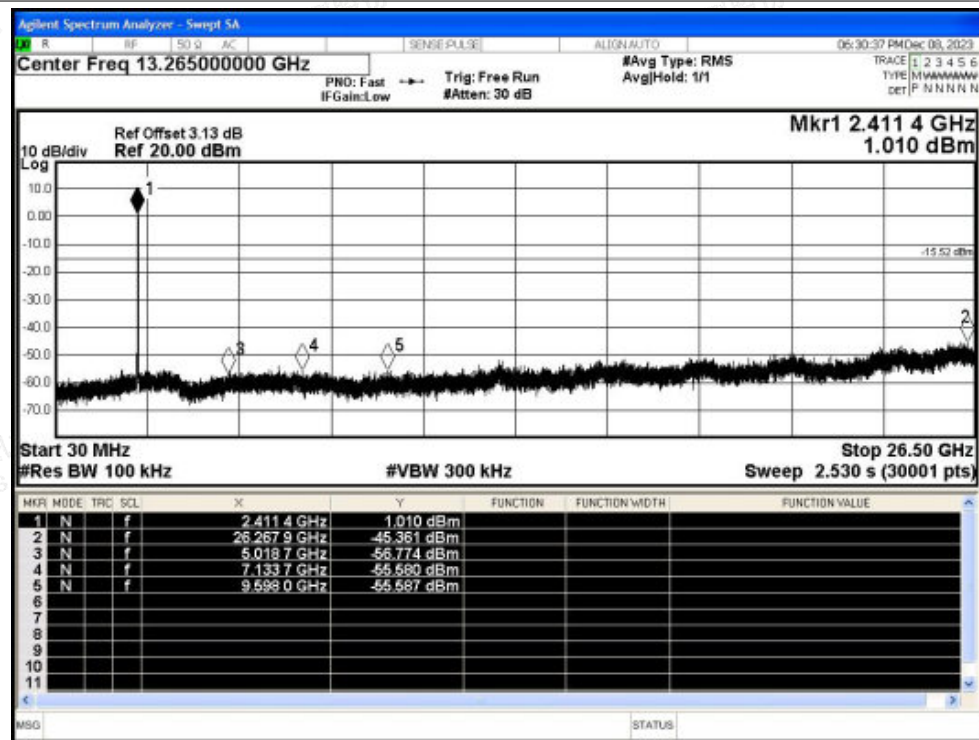


## Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



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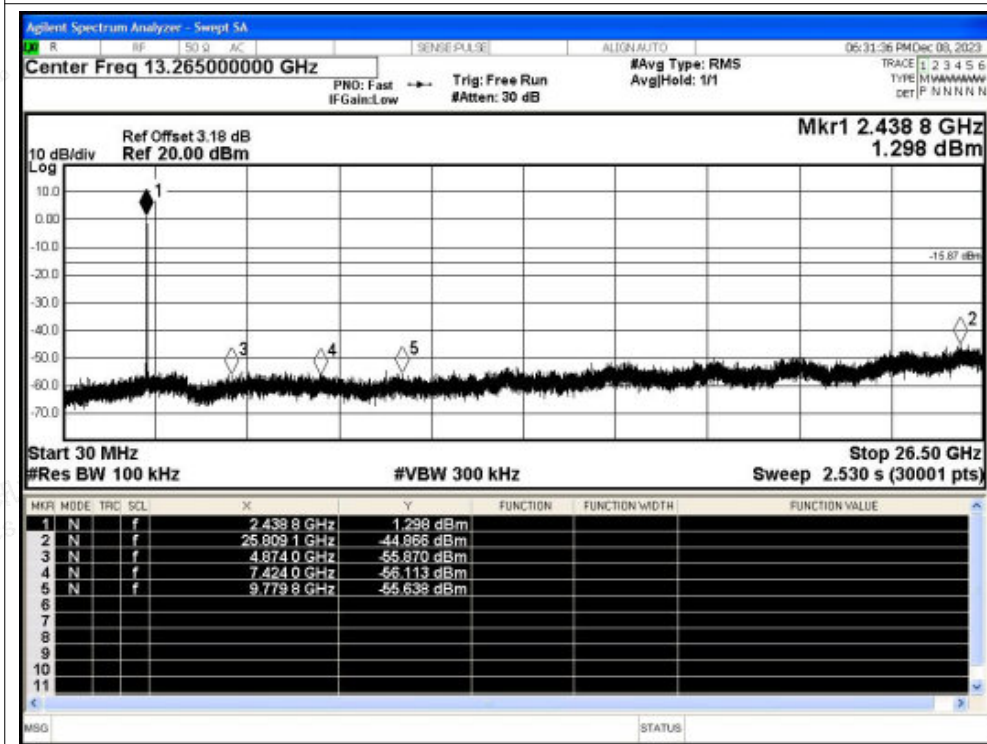
Scan code to check authenticity



## Tx. Spurious NVNT b 2437MHz Ant1 Ref



## Tx. Spurious NVNT b 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

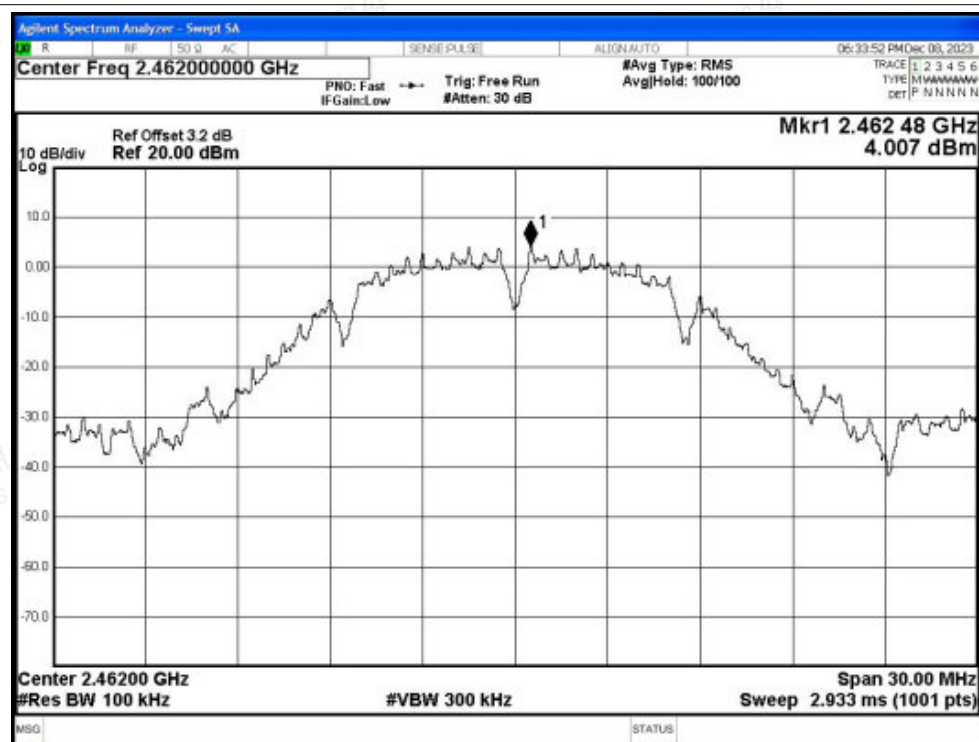
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

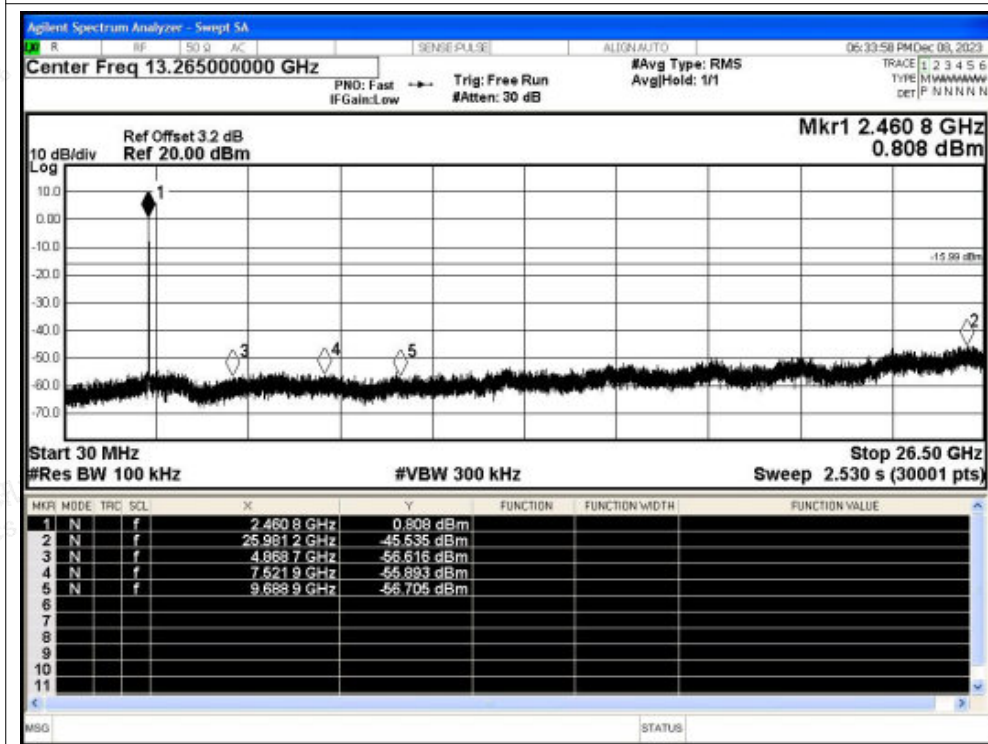
Scan code to check authenticity



## Tx. Spurious NVNT b 2462MHz Ant1 Ref



## Tx. Spurious NVNT b 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

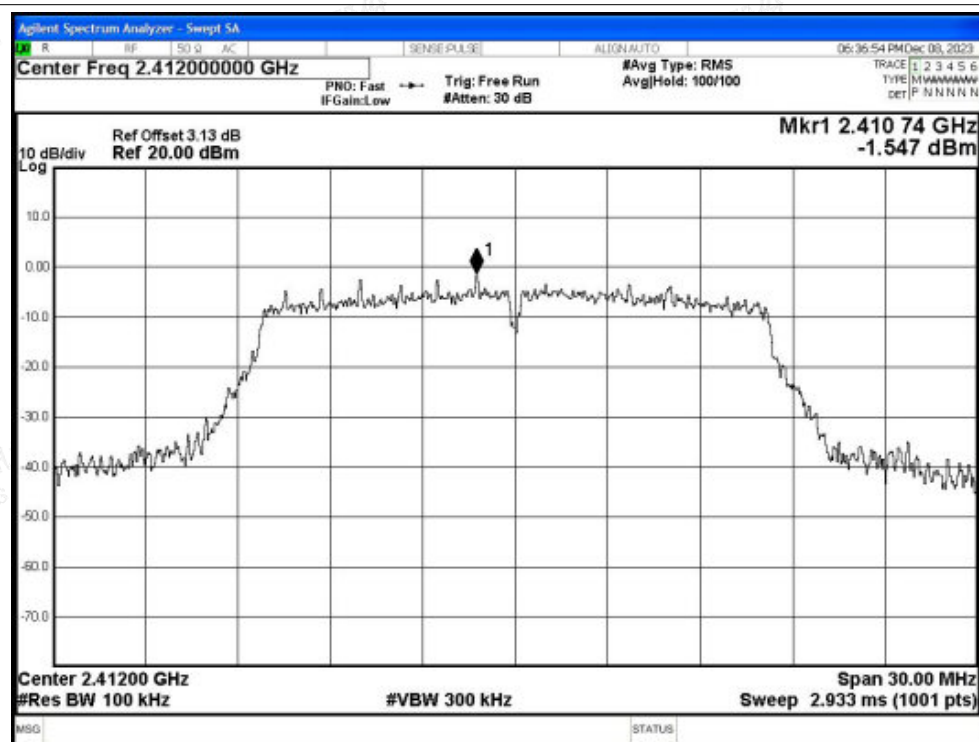
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

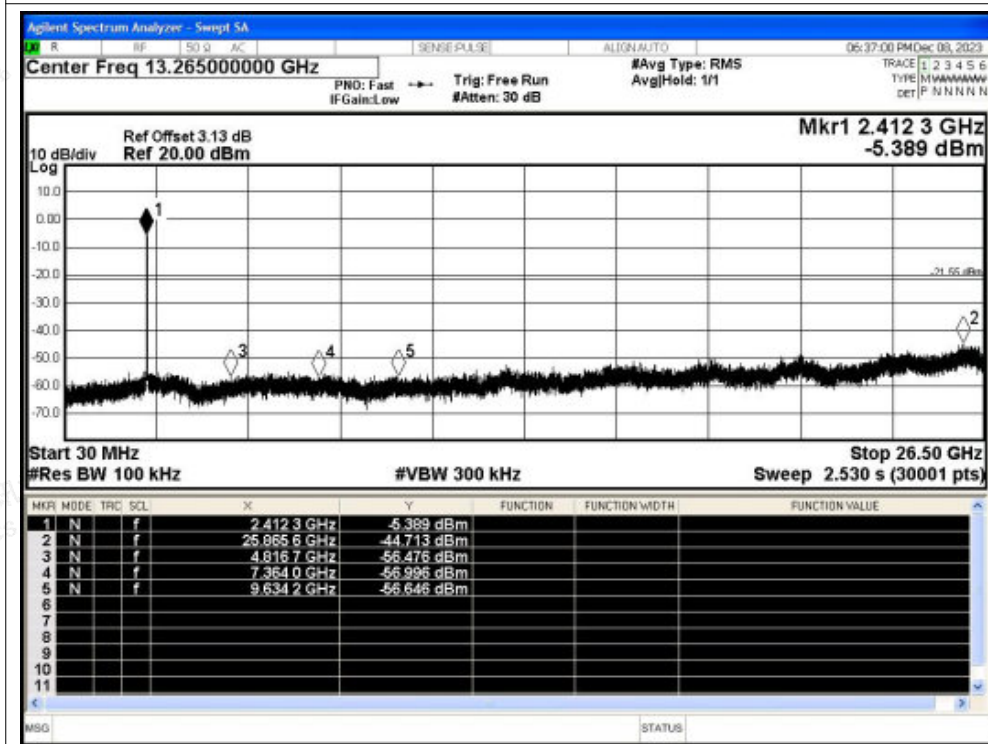
Scan code to check authenticity



## Tx. Spurious NVNT g 2412MHz Ant1 Ref



## Tx. Spurious NVNT g 2412MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

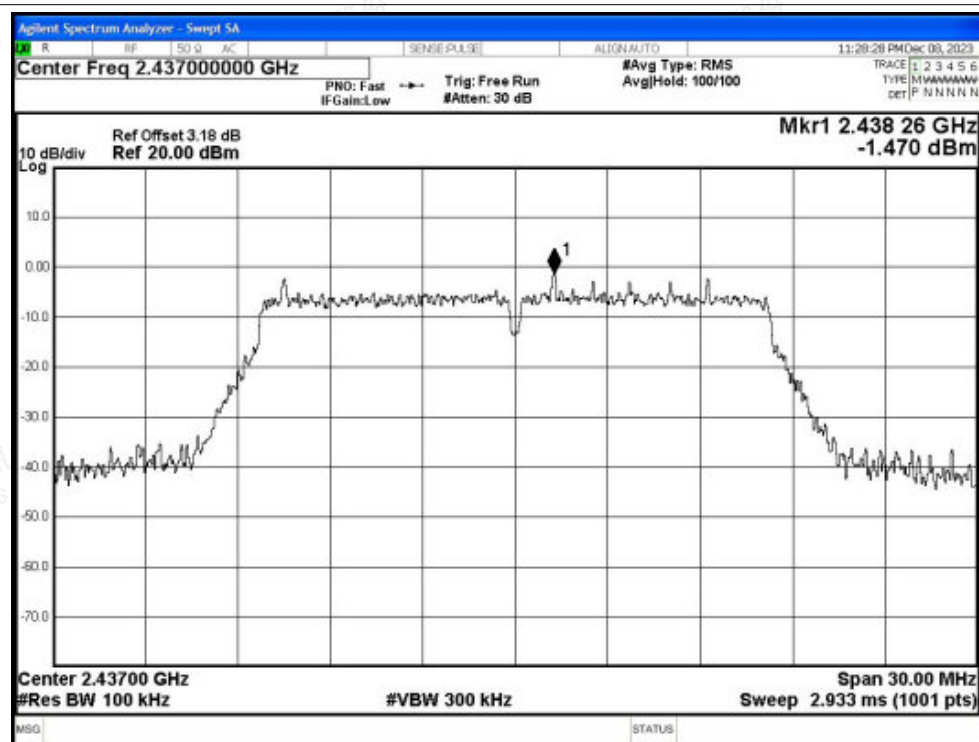
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

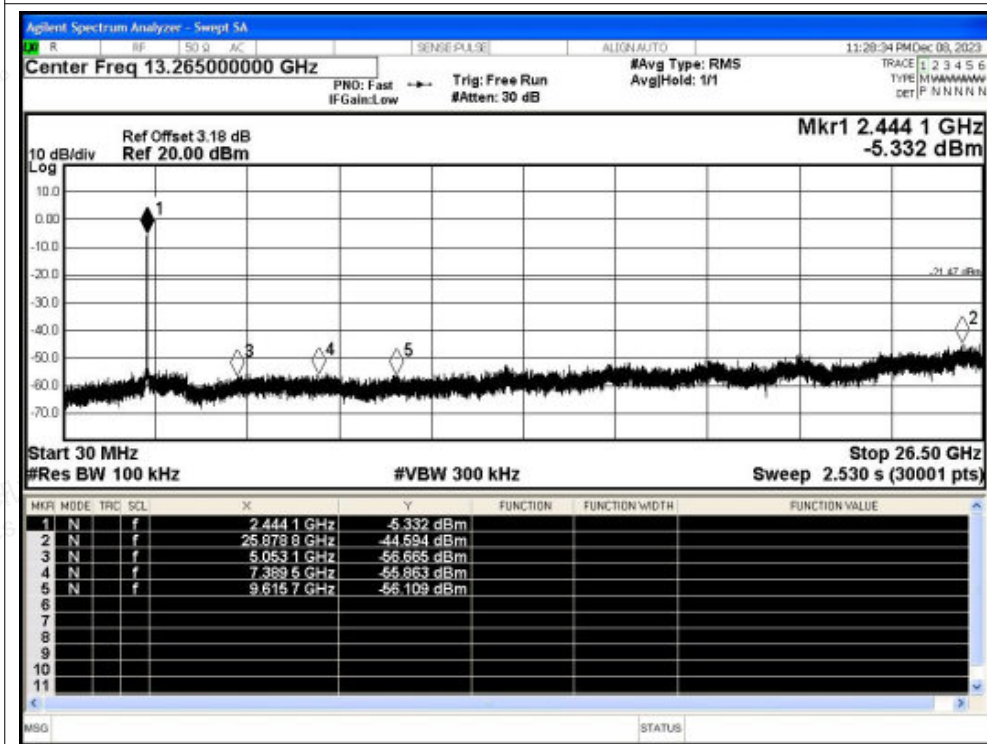
Scan code to check authenticity



## Tx. Spurious NVNT g 2437MHz Ant1 Ref



## Tx. Spurious NVNT g 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

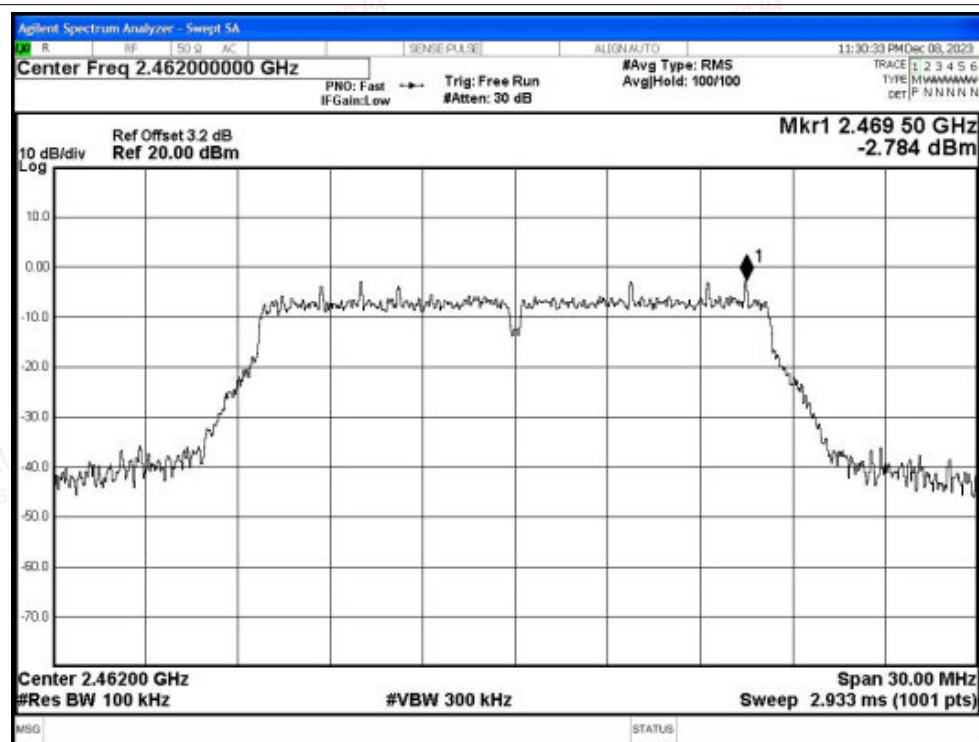
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

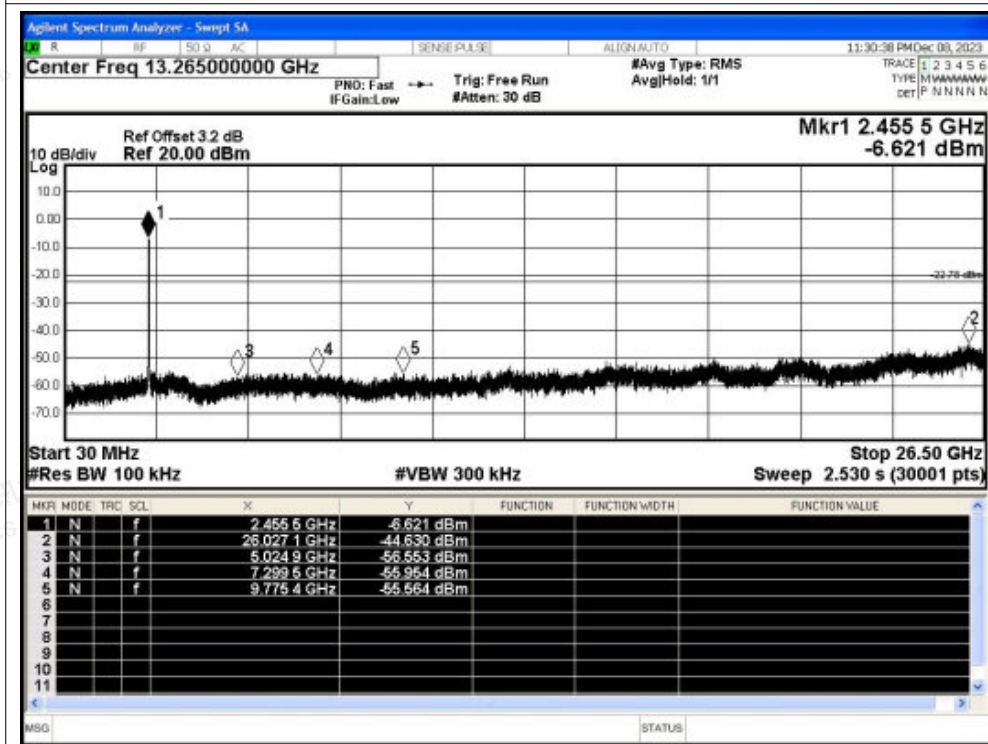
Scan code to check authenticity



## Tx. Spurious NVNT g 2462MHz Ant1 Ref



## Tx. Spurious NVNT g 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

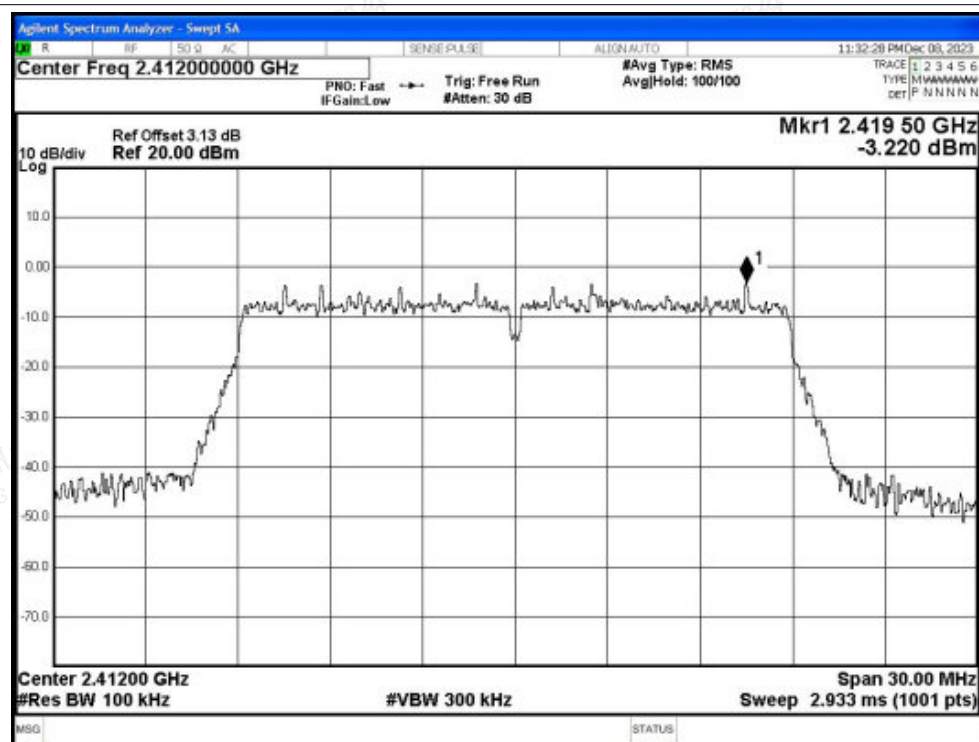
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

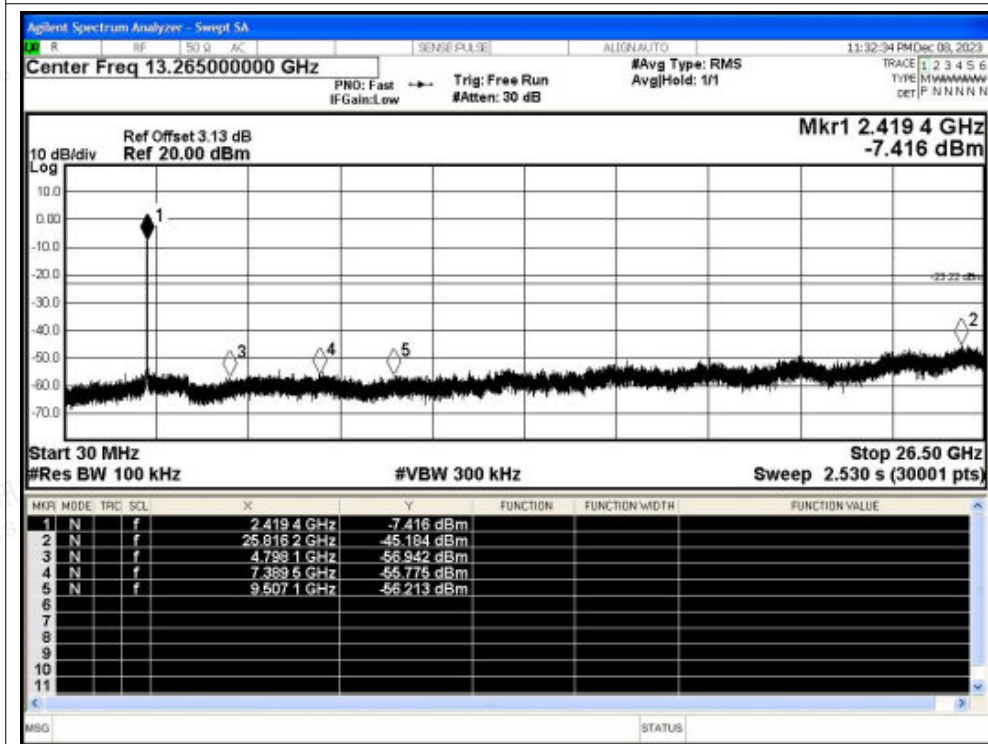
Scan code to check authenticity



## Tx. Spurious NVNT n20 2412MHz Ant1 Ref



## Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

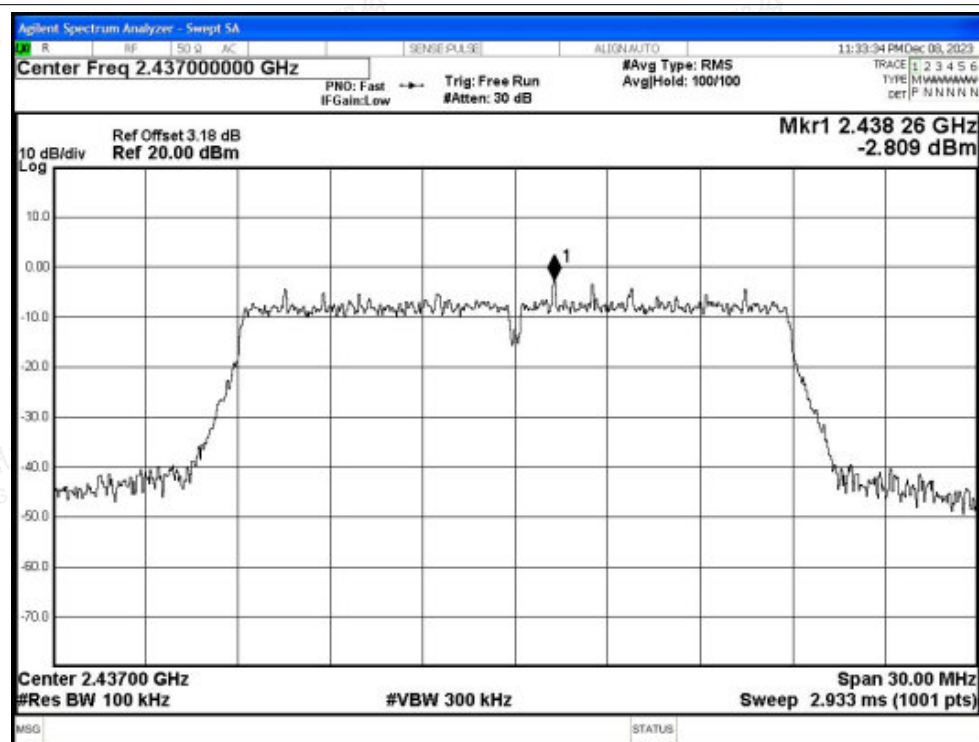
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

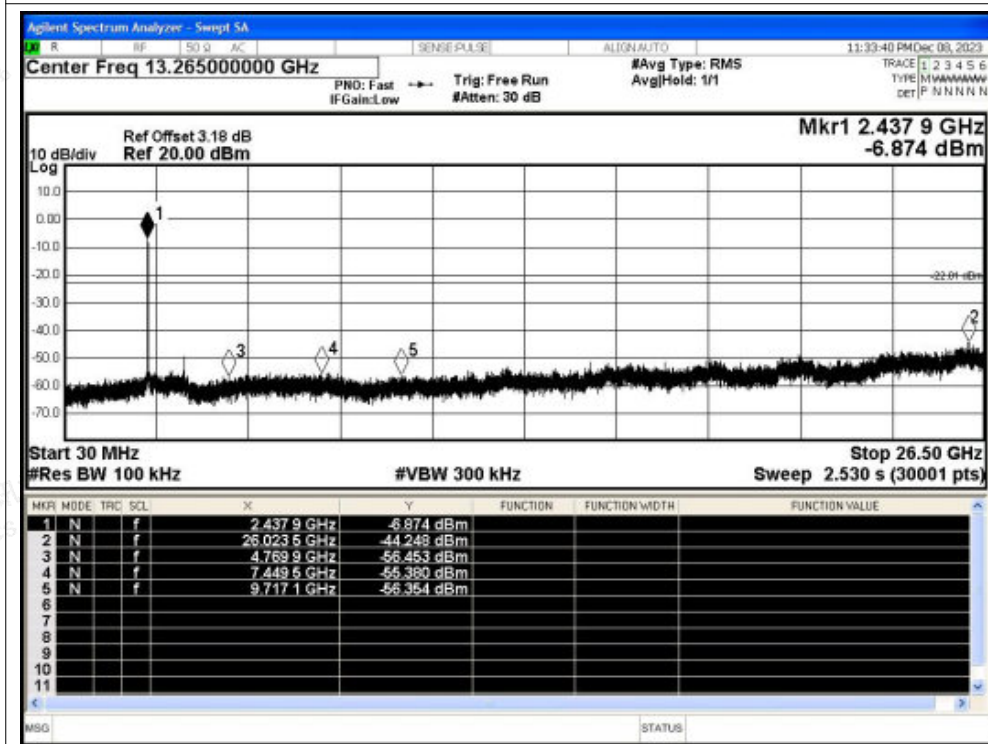
Scan code to check authenticity



## Tx. Spurious NVNT n20 2437MHz Ant1 Ref



## Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

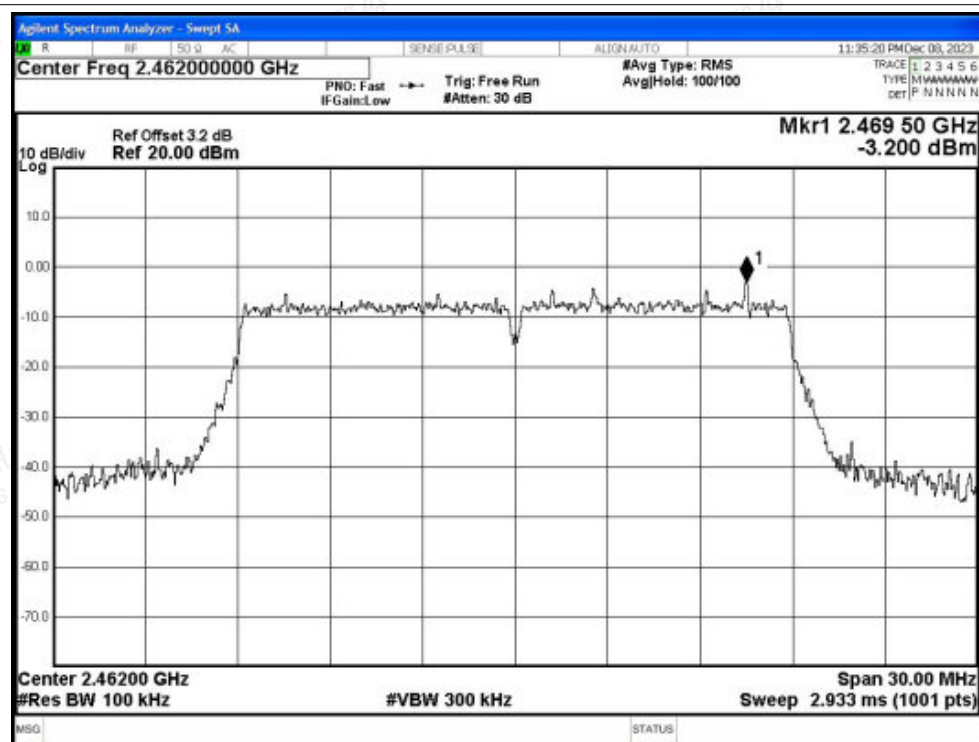
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

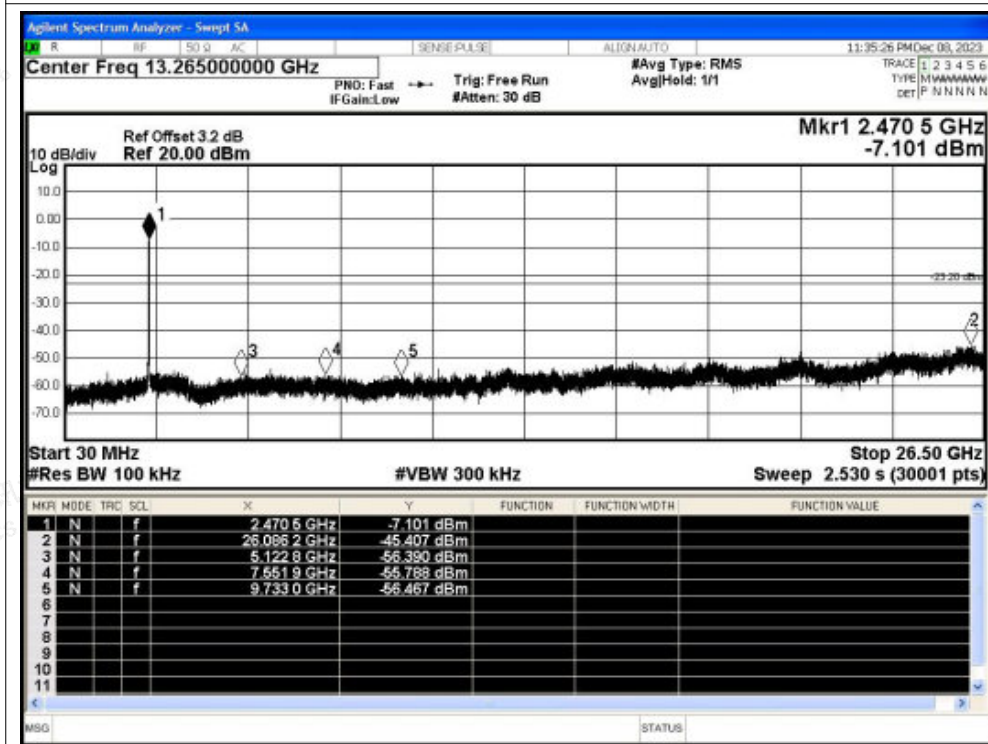
Scan code to check authenticity



## Tx. Spurious NVNT n20 2462MHz Ant1 Ref



## Tx. Spurious NVNT n20 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

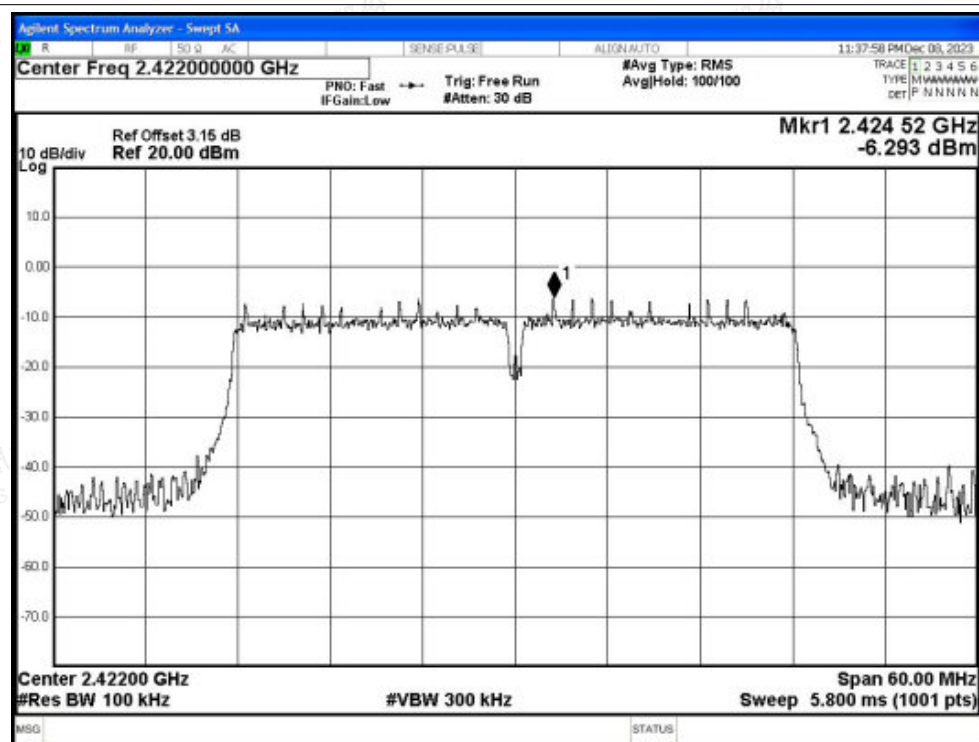
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

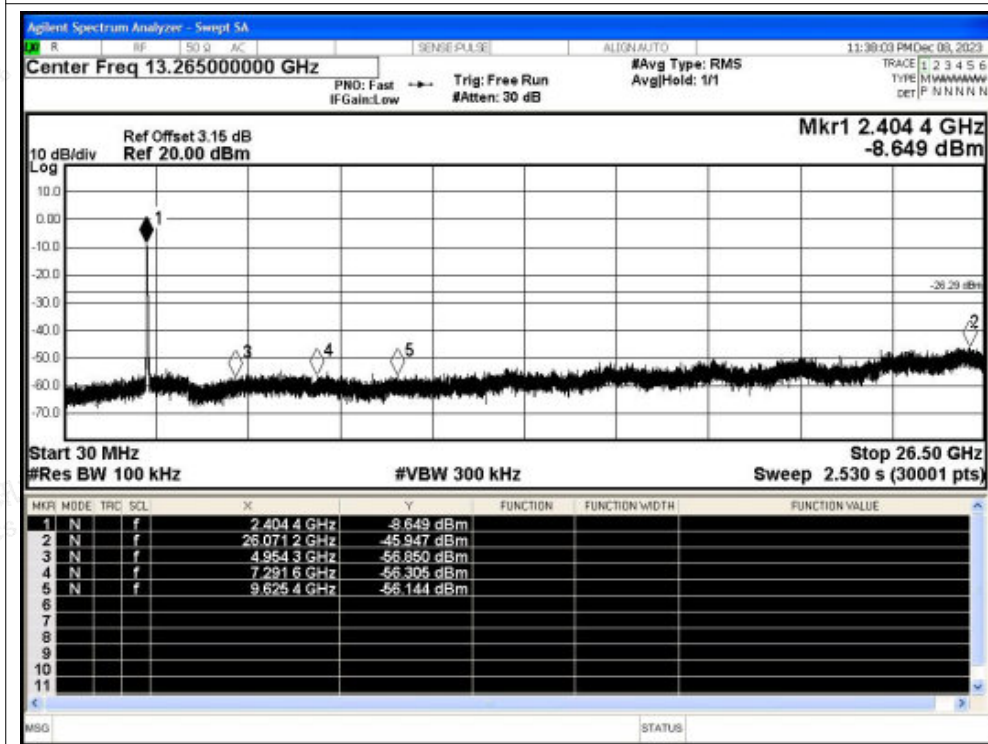
Scan code to check authenticity



Tx. Spurious NVNT n40 2422MHz Ant1 Ref



Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

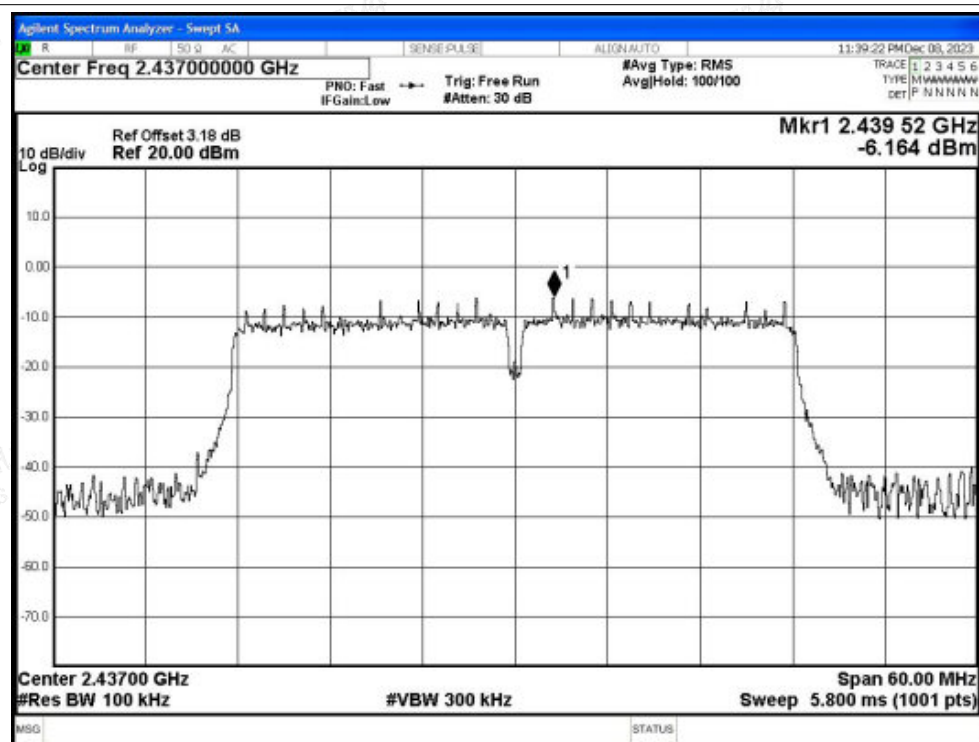
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

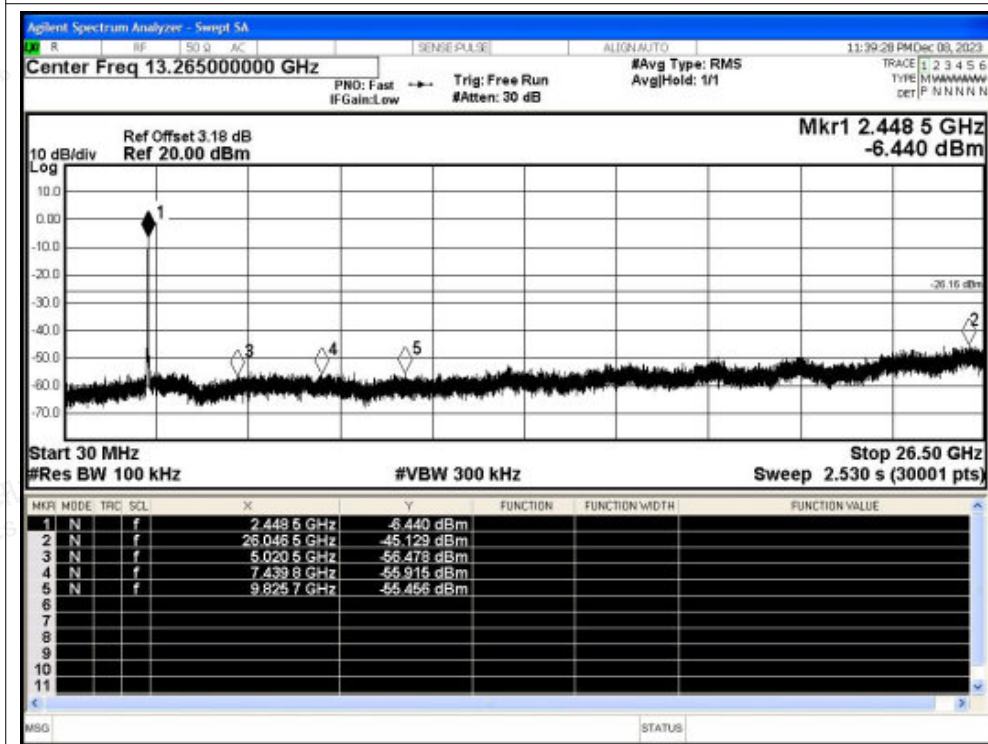
Scan code to check authenticity



## Tx. Spurious NVNT n40 2437MHz Ant1 Ref



## Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

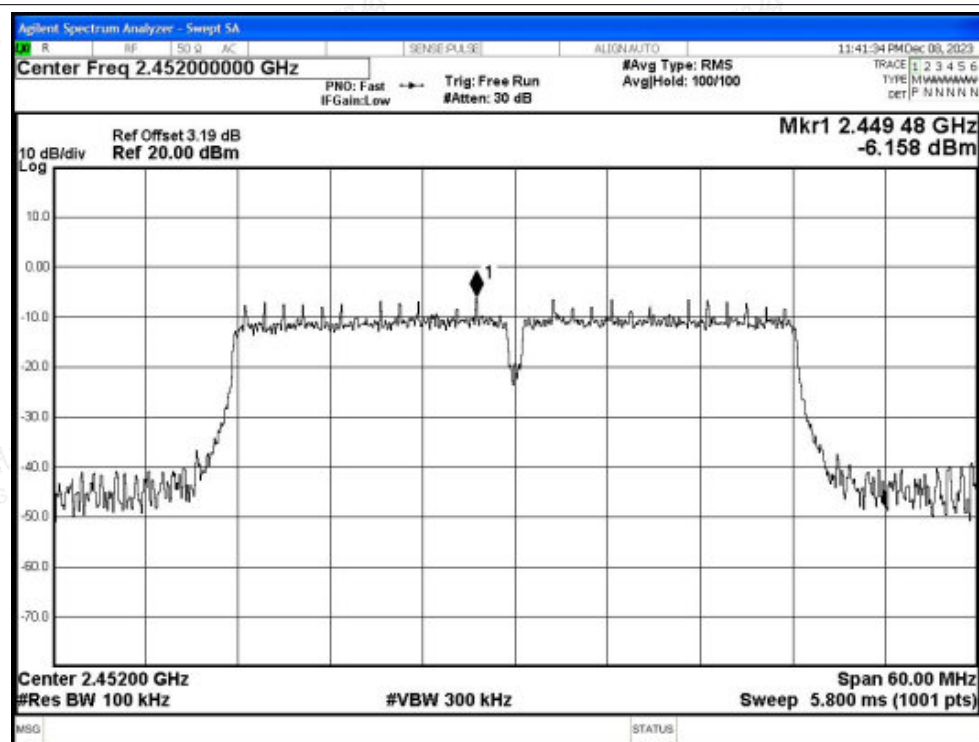
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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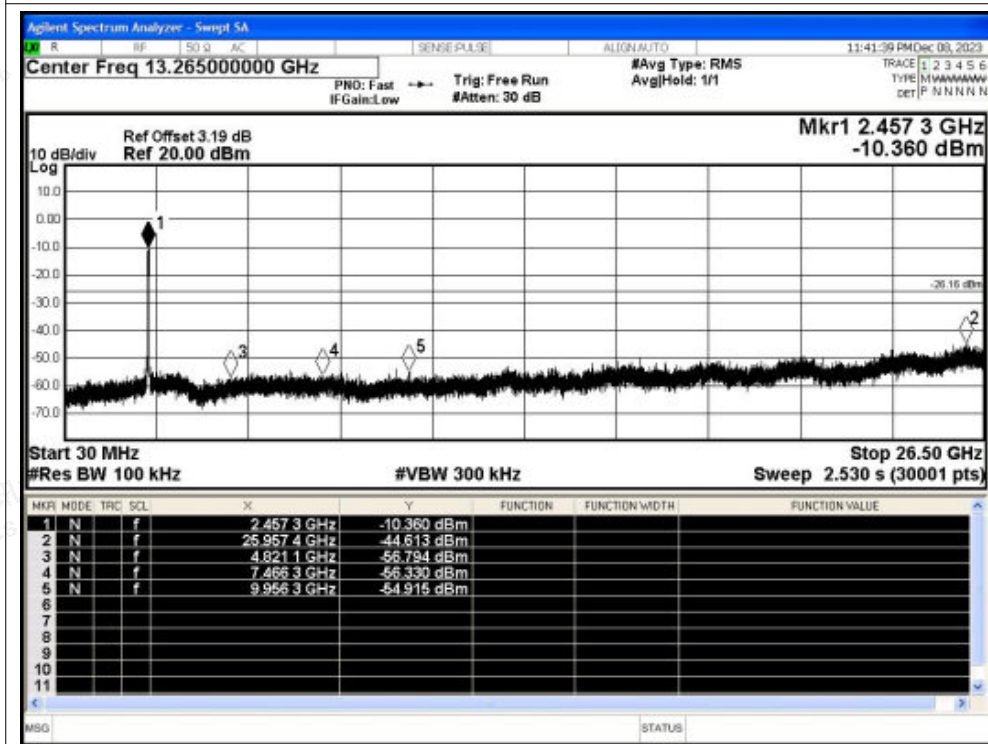
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## Tx. Spurious NVNT n40 2452MHz Ant1 Ref



## Tx. Spurious NVNT n40 2452MHz Ant1 Emission



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## B.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    | 99.67          | 0                      | 0.12      |
| NVNT      | b    | 2462            | Ant1    | 99.64          | 0                      | 0.12      |
| NVNT      | g    | 2412            | Ant1    | 97.62          | 0.1                    | 0.72      |
| NVNT      | g    | 2437            | Ant1    | 97.76          | 0.1                    | 0.72      |
| NVNT      | g    | 2462            | Ant1    | 97.62          | 0.1                    | 0.72      |
| NVNT      | n20  | 2412            | Ant1    | 97.6           | 0.11                   | 0.77      |
| NVNT      | n20  | 2437            | Ant1    | 97.31          | 0.12                   | 0.77      |
| NVNT      | n20  | 2462            | Ant1    | 97.46          | 0.11                   | 0.77      |
| NVNT      | n40  | 2422            | Ant1    | 95.31          | 0.21                   | 1.54      |
| NVNT      | n40  | 2437            | Ant1    | 95.31          | 0.21                   | 1.54      |
| NVNT      | n40  | 2452            | Ant1    | 95.17          | 0.21                   | 1.54      |



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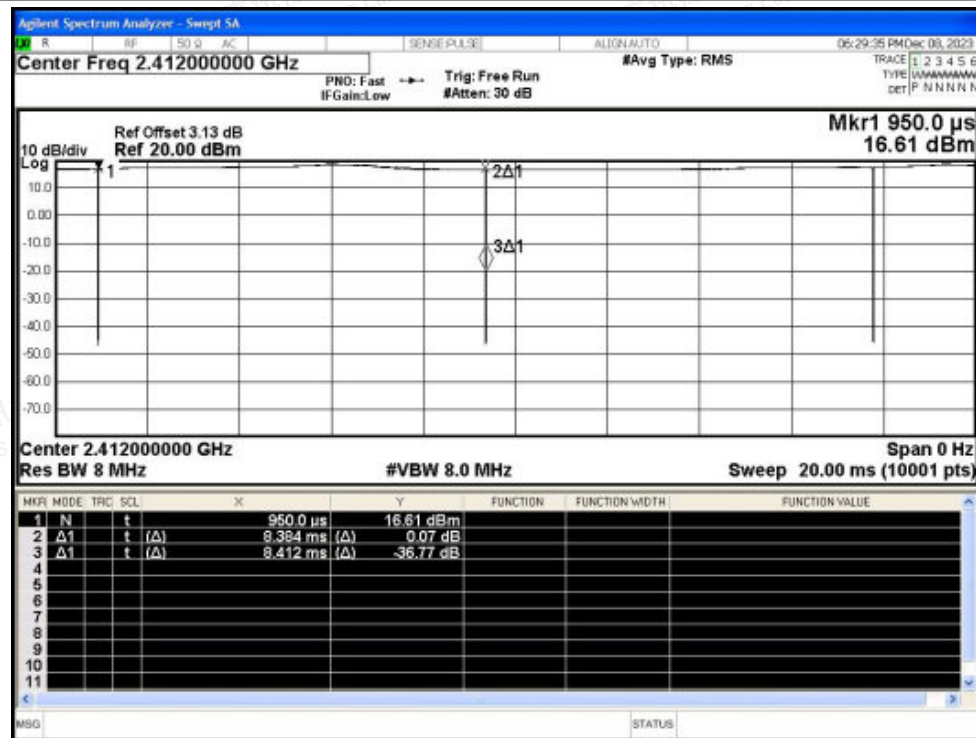
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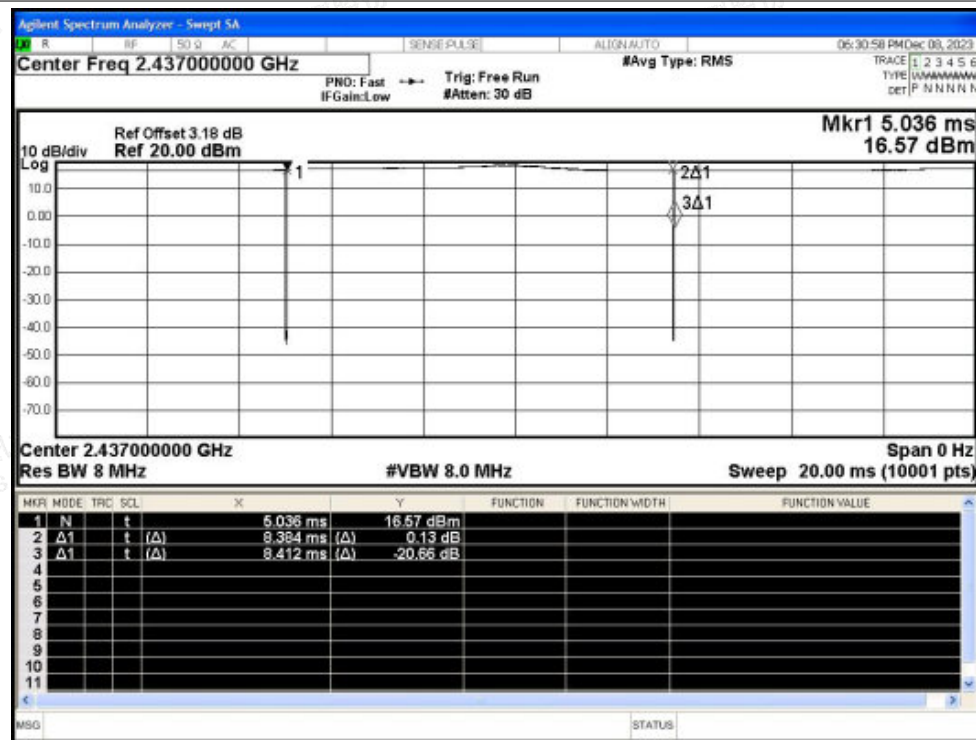


## Test Graphs

## Duty Cycle NVNT b 2412MHz Ant1



## Duty Cycle NVNT b 2437MHz Ant1



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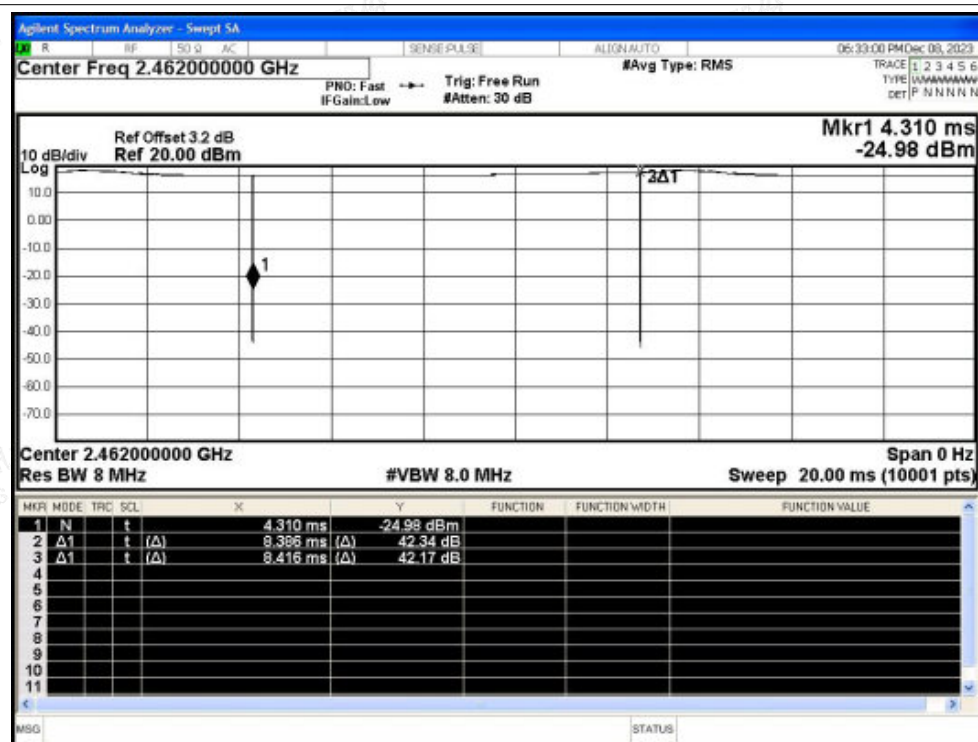
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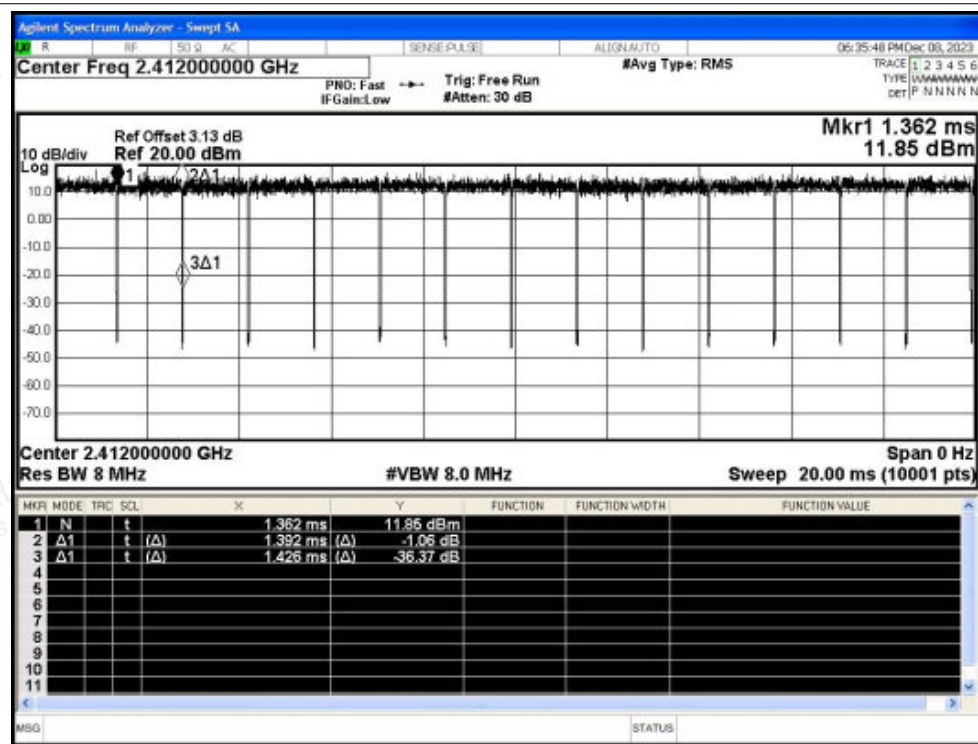
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## Duty Cycle NVNT b 2462MHz Ant1



## Duty Cycle NVNT g 2412MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

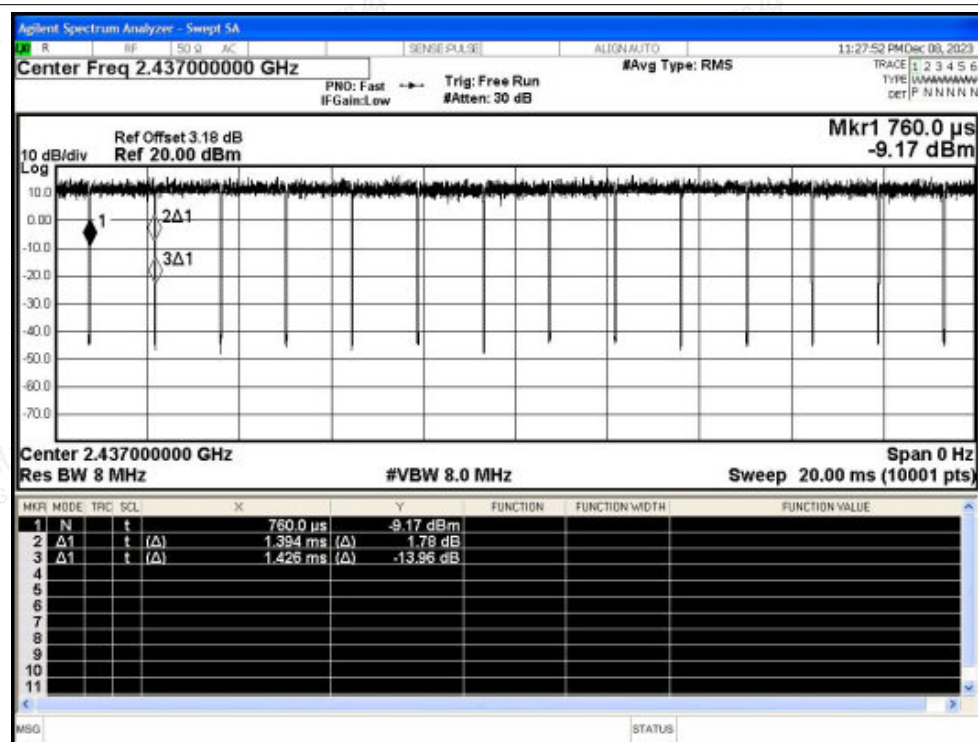
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

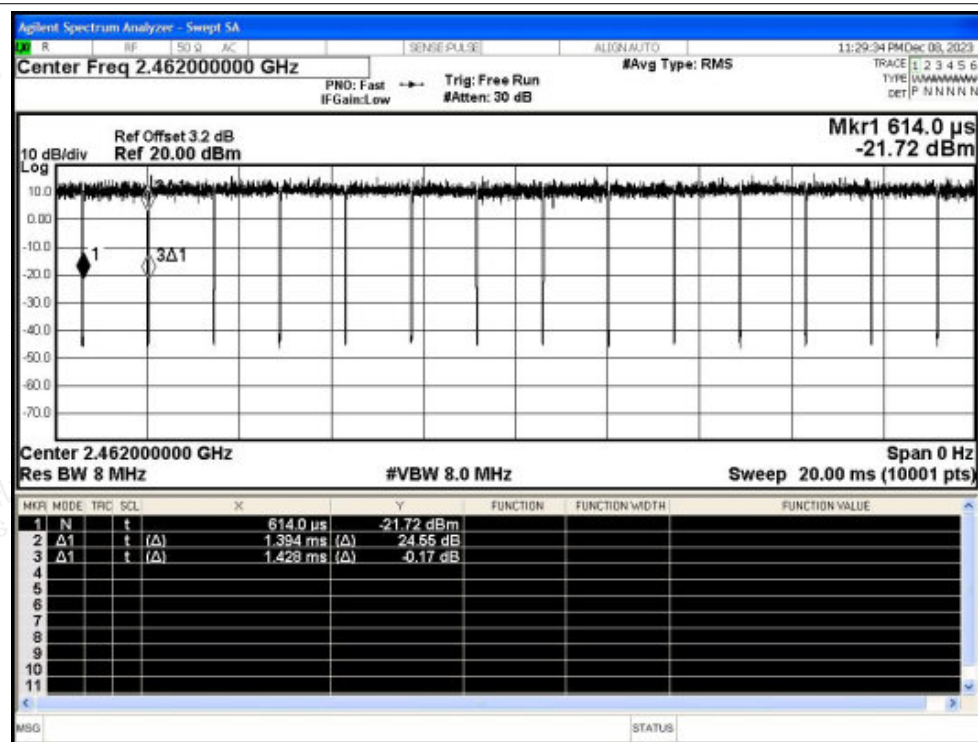
Scan code to check authenticity



Duty Cycle NVNT g 2437MHz Ant1



Duty Cycle NVNT g 2462MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

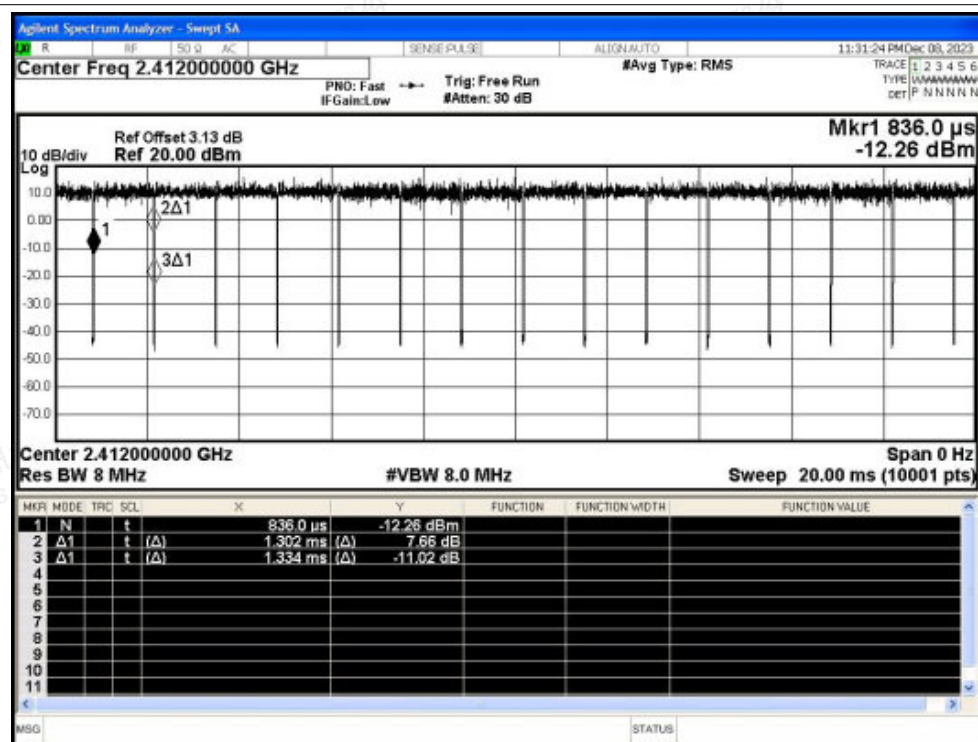
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

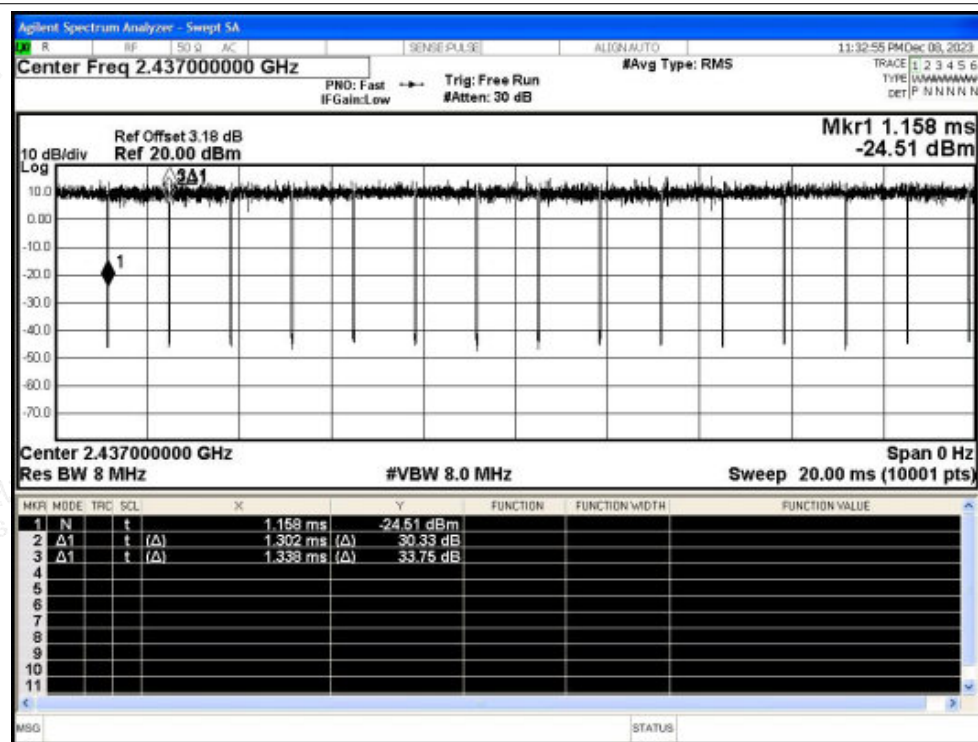
Scan code to check authenticity



Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

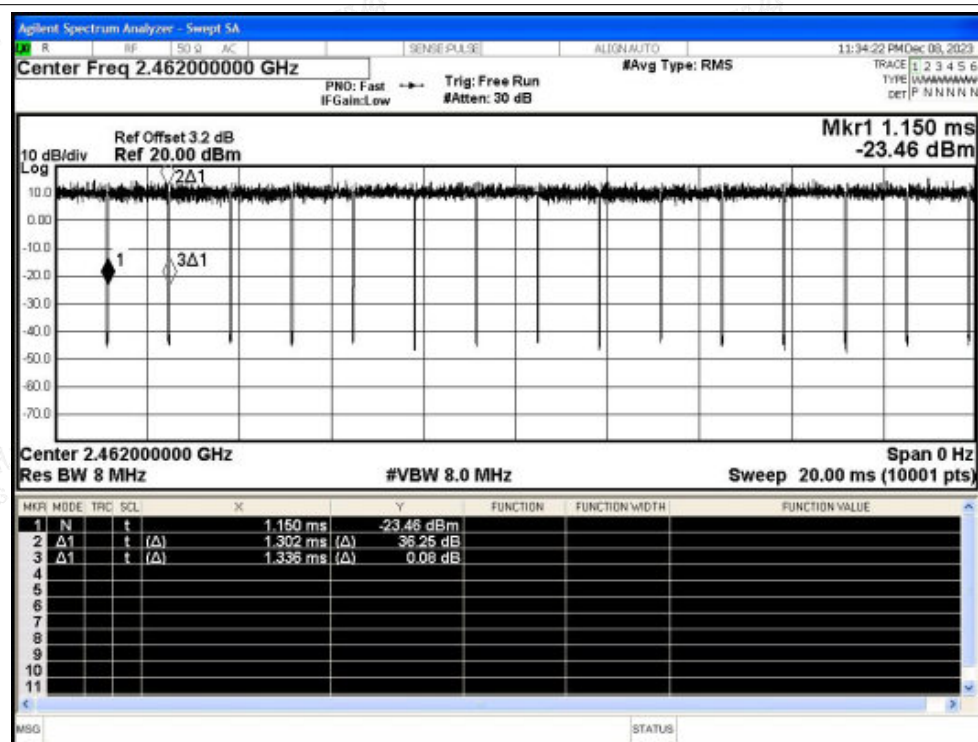
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

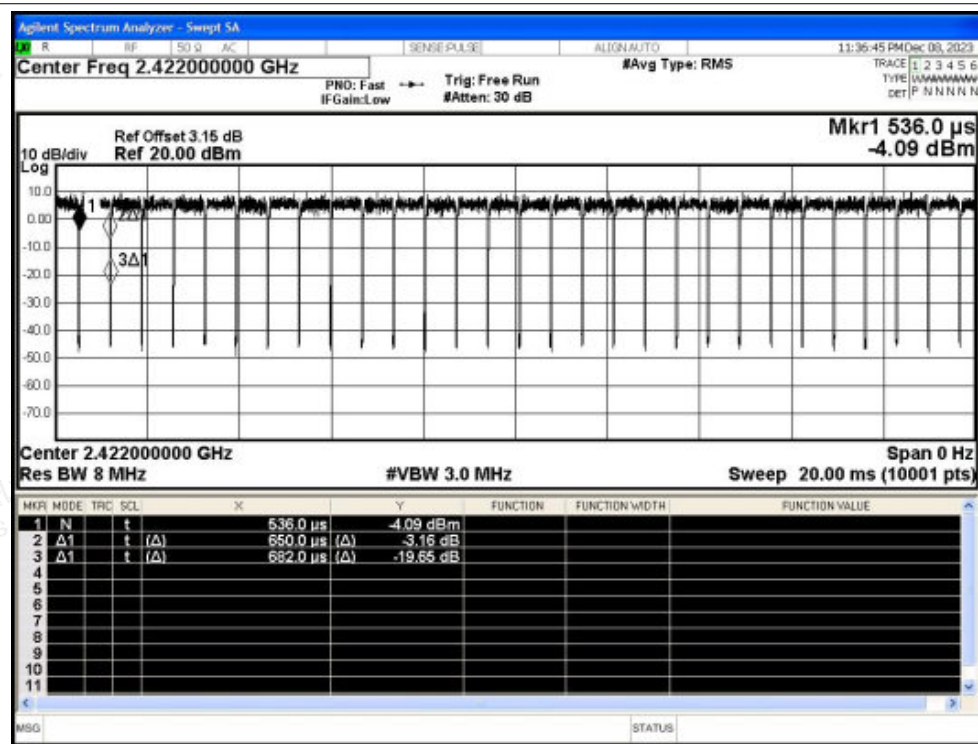
Scan code to check authenticity



Duty Cycle NVNT n20 2462MHz Ant1



Duty Cycle NVNT n40 2422MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

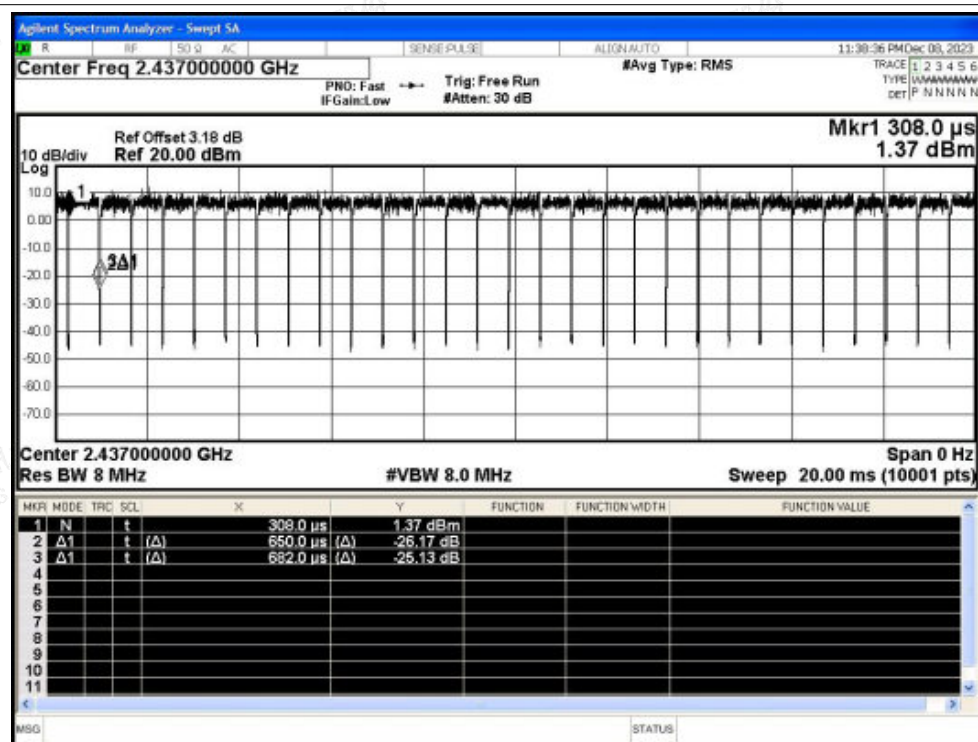
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

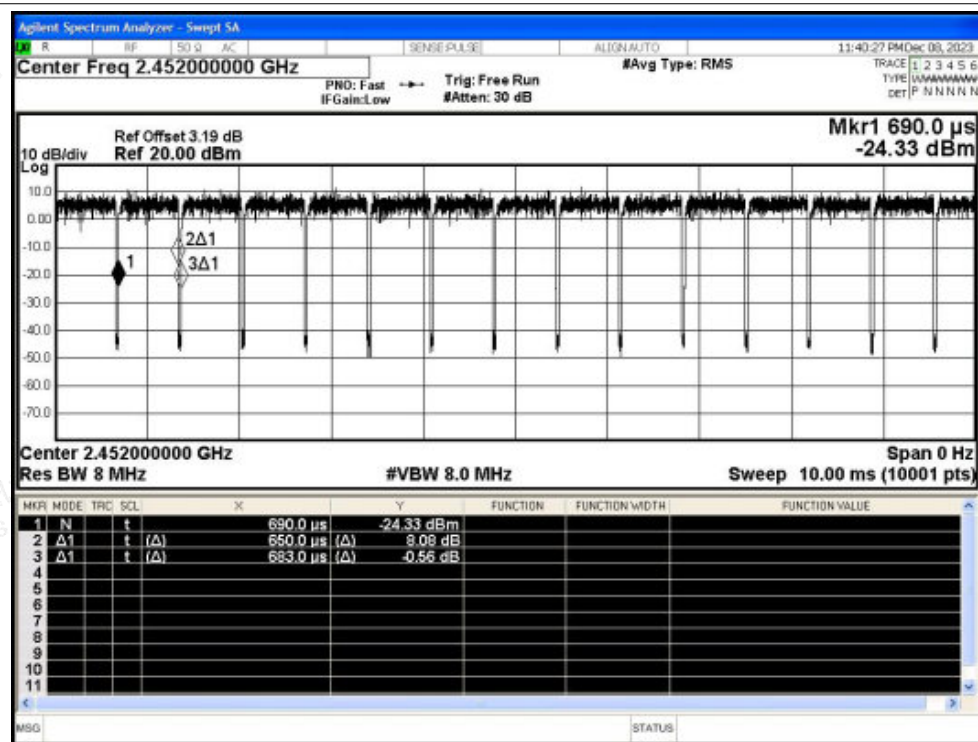
Scan code to check authenticity



Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1



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## B.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            | -49.75      | 2.21       | 47.72      | Peak     | 74             | Pass    |
| NVNT      | b    | 2412            | Ant1    | 2310            | -56.81      | 2.21       | 40.66      | Average  | 54             | Pass    |
| NVNT      | b    | 2412            | Ant1    | 2385.933        | -43.78      | 2.21       | 53.69      | Peak     | 74             | Pass    |
| NVNT      | b    | 2412            | Ant1    | 2386.167        | -50.87      | 2.21       | 46.60      | Average  | 54             | Pass    |
| NVNT      | b    | 2412            | Ant1    | 2390            | -44.65      | 2.21       | 52.82      | Peak     | 74             | Pass    |
| NVNT      | b    | 2412            | Ant1    | 2390            | -51.53      | 2.21       | 45.94      | Average  | 54             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2483.5          | -41.23      | 2.21       | 56.24      | Peak     | 74             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2483.5          | -45.91      | 2.21       | 51.56      | Average  | 54             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2483.57         | -40.66      | 2.21       | 56.81      | Peak     | 74             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2483.517        | -45.91      | 2.21       | 51.56      | Average  | 54             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2500            | -46.72      | 2.21       | 50.75      | Peak     | 74             | Pass    |
| NVNT      | b    | 2462            | Ant1    | 2500            | -54.9       | 2.21       | 42.57      | Average  | 54             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2310            | -49.36      | 2.21       | 48.11      | Peak     | 74             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2310            | -56.28      | 2.21       | 41.19      | Average  | 54             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2389.911        | -38.1       | 2.21       | 59.37      | Peak     | 74             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2389.911        | -49.14      | 2.21       | 48.33      | Average  | 54             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2390            | -40.46      | 2.21       | 57.01      | Peak     | 74             | Pass    |
| NVNT      | g    | 2412            | Ant1    | 2390            | -49.03      | 2.21       | 48.44      | Average  | 54             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2483.5          | -38.62      | 2.21       | 58.85      | Peak     | 74             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2483.5          | -47.58      | 2.21       | 49.89      | Average  | 54             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2484.471        | -35.56      | 2.21       | 61.91      | Peak     | 74             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2483.517        | -47.58      | 2.21       | 49.89      | Average  | 54             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2500            | -46.84      | 2.21       | 50.63      | Peak     | 74             | Pass    |
| NVNT      | g    | 2462            | Ant1    | 2500            | -52.96      | 2.21       | 44.51      | Average  | 54             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2310            | -48.13      | 2.21       | 49.34      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2310            | -56.28      | 2.21       | 41.19      | Average  | 54             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2389.443        | -36.98      | 2.21       | 60.49      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2389.911        | -48.83      | 2.21       | 48.64      | Average  | 54             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2390            | -39.48      | 2.21       | 57.99      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 2390            | -48.51      | 2.21       | 48.96      | Average  | 54             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2483.5          | -37.63      | 2.21       | 59.84      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2483.5          | -47.64      | 2.21       | 49.83      | Average  | 54             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2483.57         | -35.17      | 2.21       | 62.30      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2483.623        | -47.5       | 2.21       | 49.97      | Average  | 54             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2500            | -47.18      | 2.21       | 50.29      | Peak     | 74             | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 2500            | -53.78      | 2.21       | 43.69      | Average  | 54             | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 2310            | -49.97      | 2.21       | 47.50      | Peak     | 74             | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 2310            | -56.17      | 2.21       | 41.30      | Average  | 54             | Pass    |



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|      |     |      |      |          |        |      |       |         |    |      |
|------|-----|------|------|----------|--------|------|-------|---------|----|------|
| NVNT | n40 | 2422 | Ant1 | 2389.662 | -30.43 | 2.21 | 67.04 | Peak    | 74 | Pass |
| NVNT | n40 | 2422 | Ant1 | 2389.378 | -45.04 | 2.21 | 52.43 | Average | 54 | Pass |
| NVNT | n40 | 2422 | Ant1 | 2390     | -31.34 | 2.21 | 66.13 | Peak    | 74 | Pass |
| NVNT | n40 | 2422 | Ant1 | 2390     | -45.22 | 2.21 | 52.25 | Average | 54 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2483.5   | -35.96 | 2.21 | 61.51 | Peak    | 74 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2483.5   | -44.37 | 2.21 | 53.10 | Average | 54 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2485.102 | -26.7  | 2.21 | 70.77 | Peak    | 74 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2483.932 | -43.76 | 2.21 | 53.71 | Average | 54 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2500     | -41.41 | 2.21 | 56.06 | Peak    | 74 | Pass |
| NVNT | n40 | 2452 | Ant1 | 2500     | -50.71 | 2.21 | 46.76 | Average | 54 | Pass |



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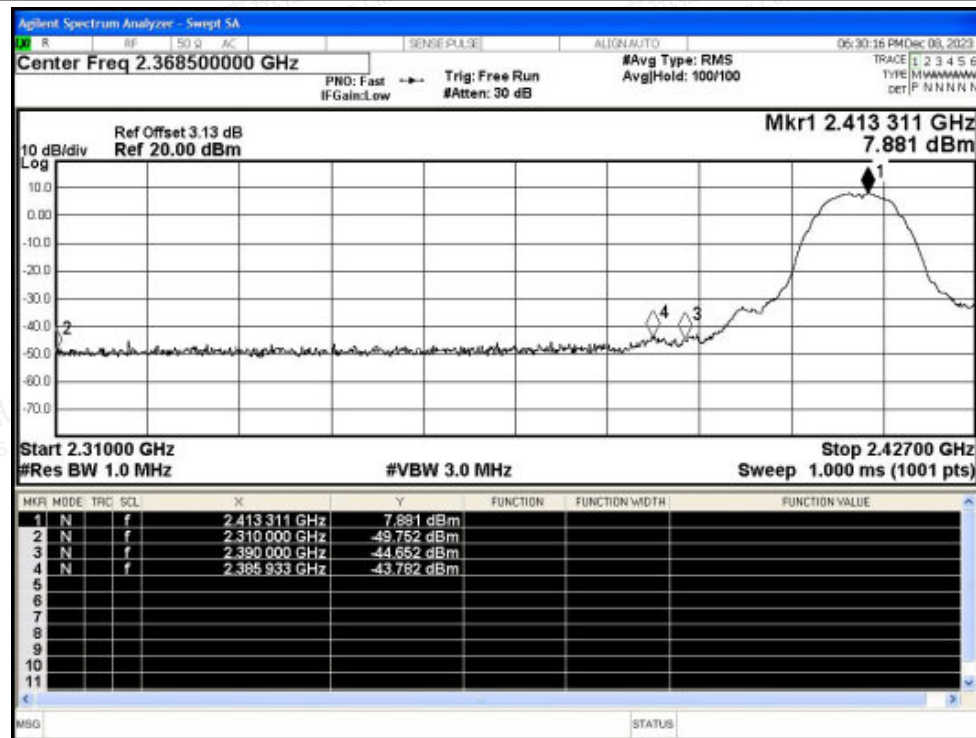
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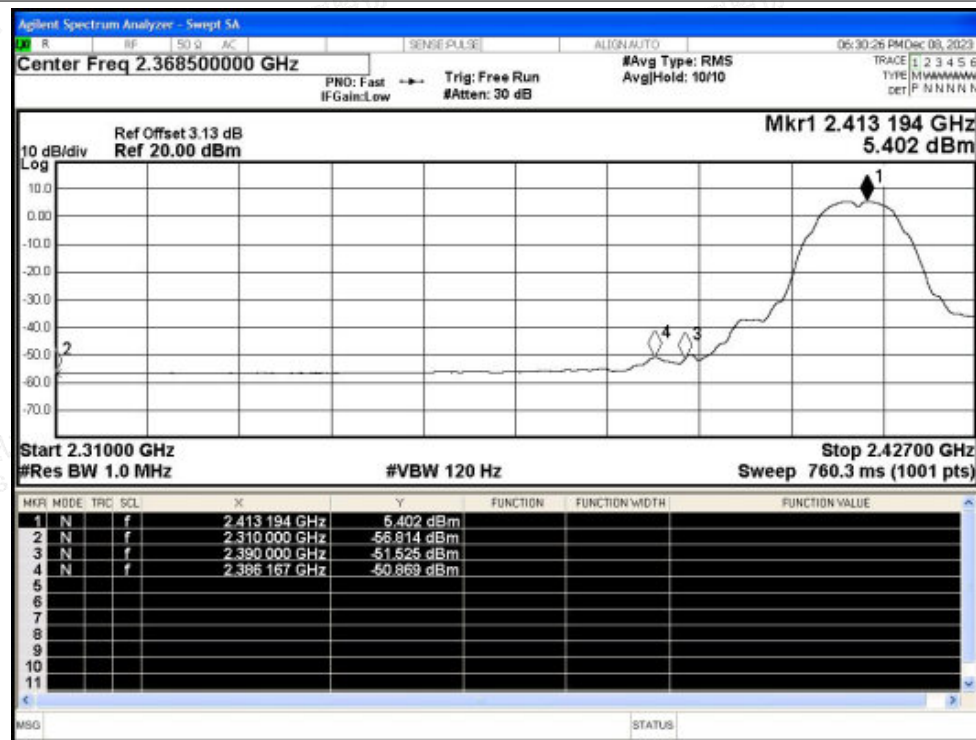


## Test Graphs

## Restrict Band NVNT b 2412MHz Ant1 Peak



## Restrict Band NVNT b 2412MHz Ant1 Average



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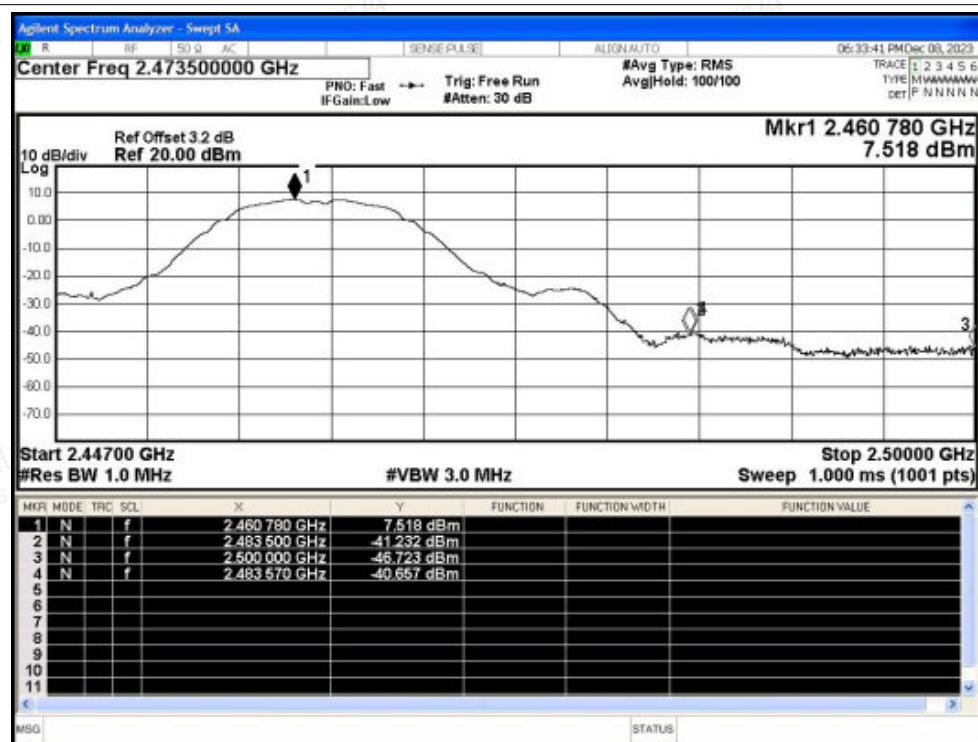
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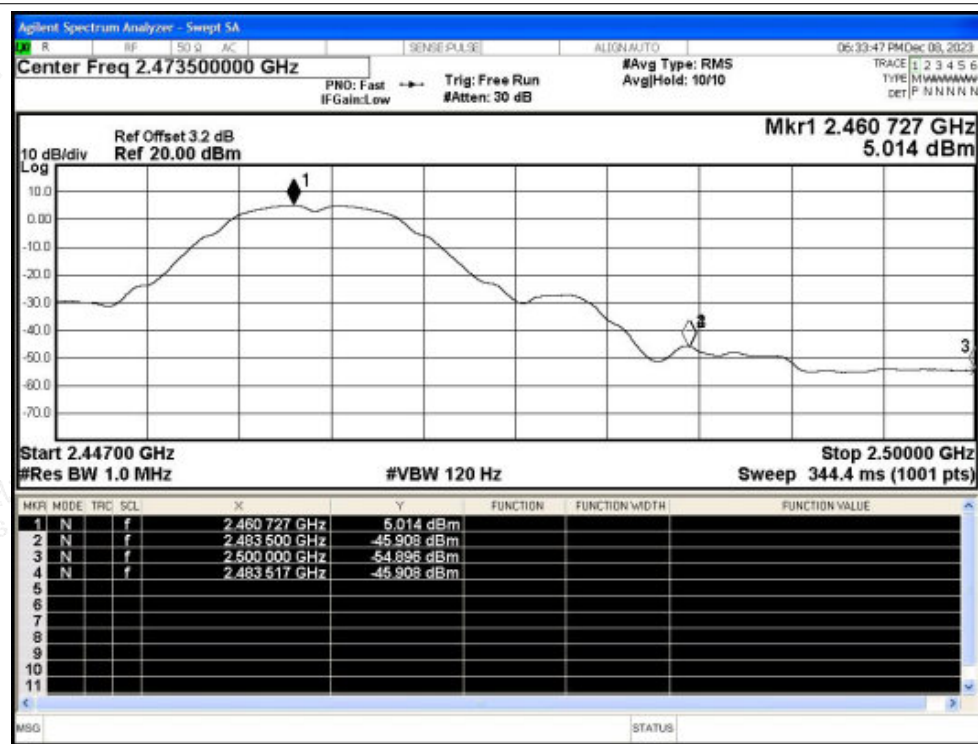
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## Restrict Band NVNT b 2462MHz Ant1 Peak



## Restrict Band NVNT b 2462MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

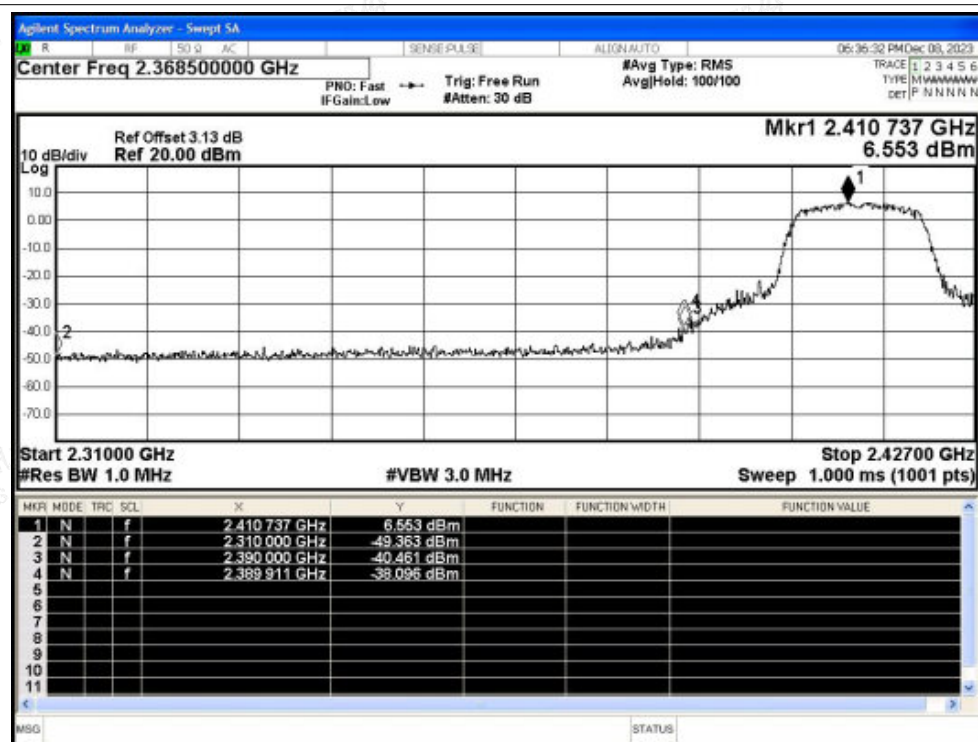
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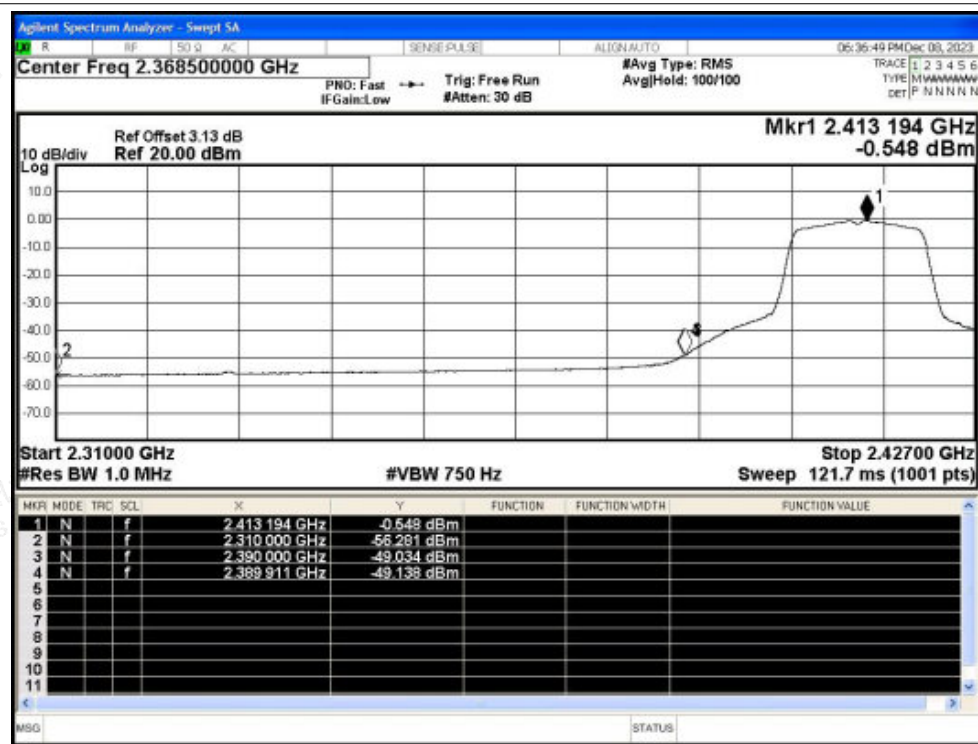
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## Restrict Band NVNT g 2412MHz Ant1 Peak



## Restrict Band NVNT g 2412MHz Ant1 Average



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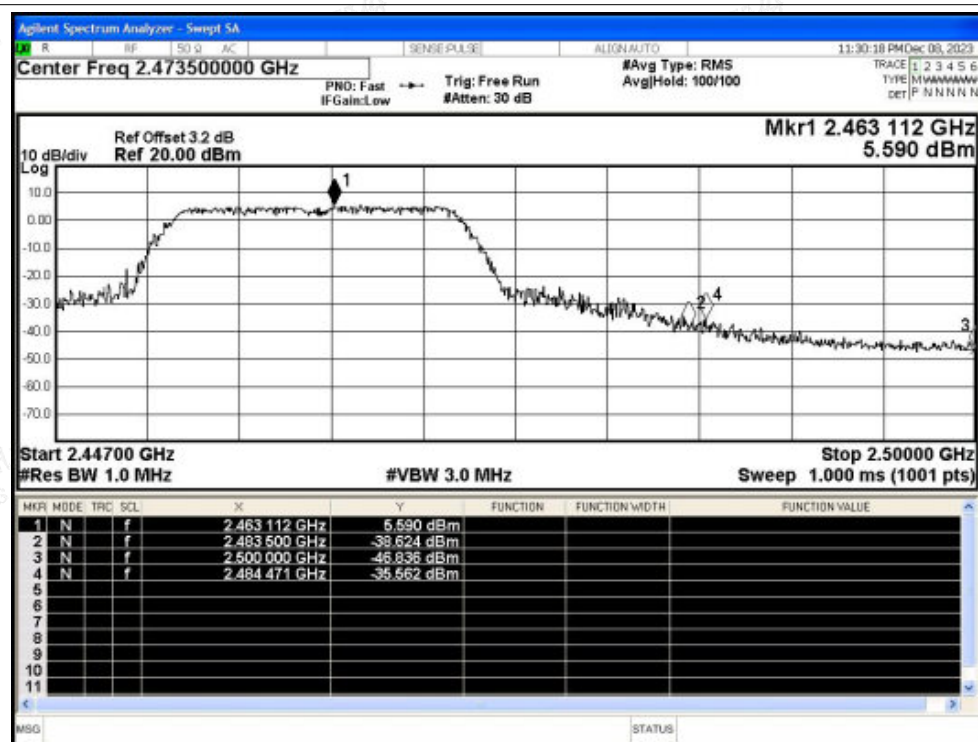
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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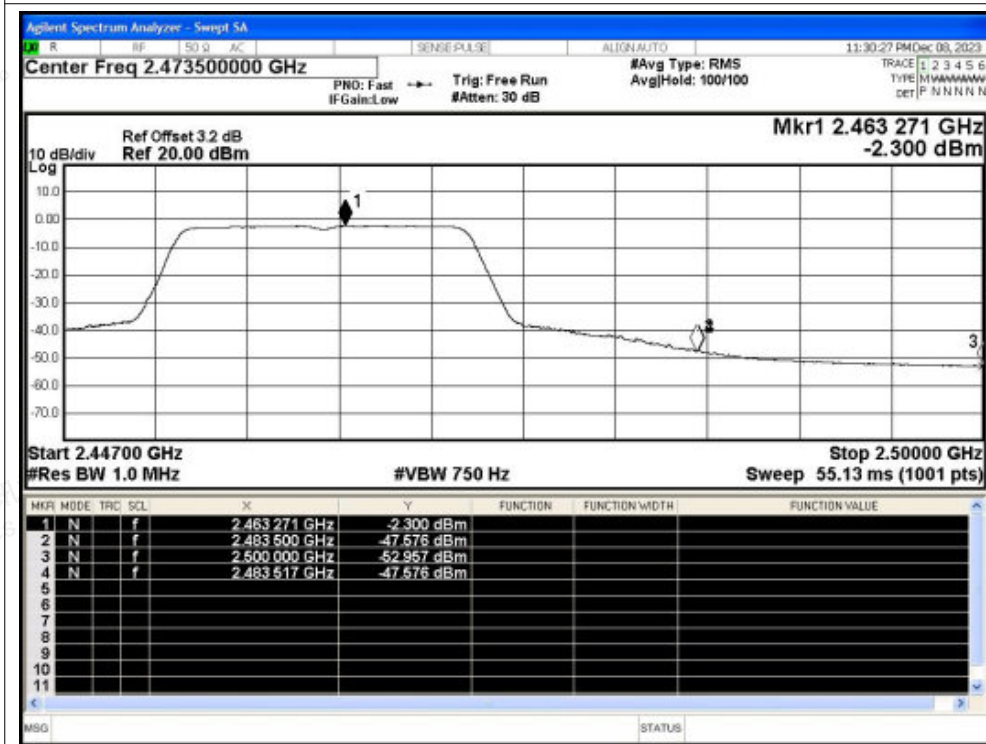
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## Restrict Band NVNT g 2462MHz Ant1 Peak



## Restrict Band NVNT g 2462MHz Ant1 Average



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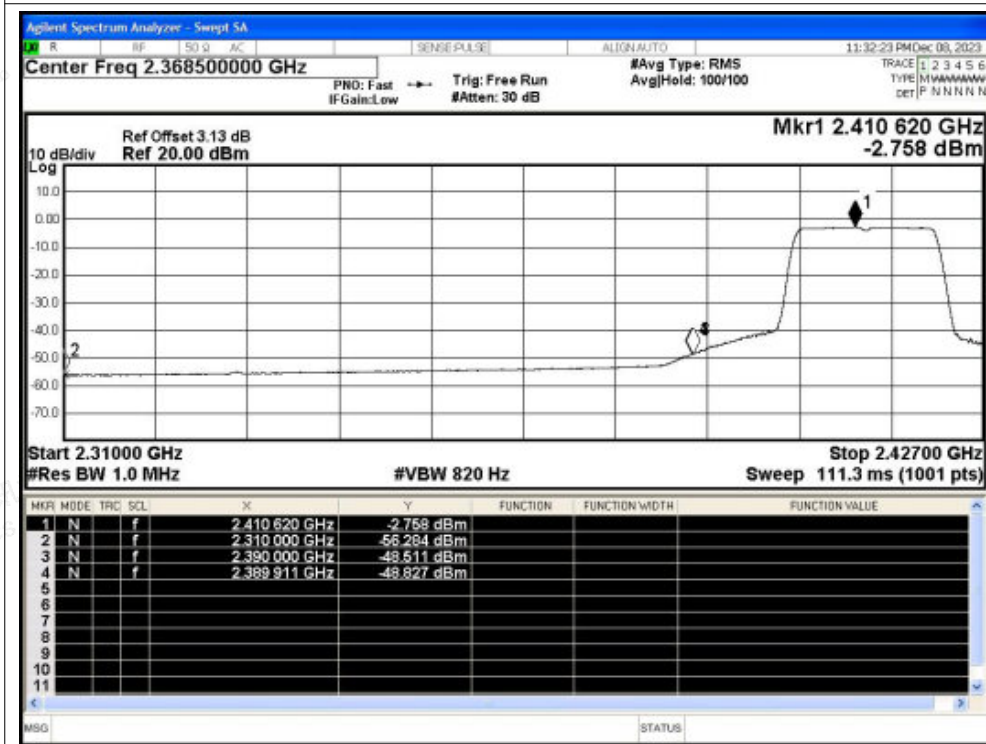
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## Restrict Band NVNT n20 2412MHz Ant1 Peak



## Restrict Band NVNT n20 2412MHz Ant1 Average



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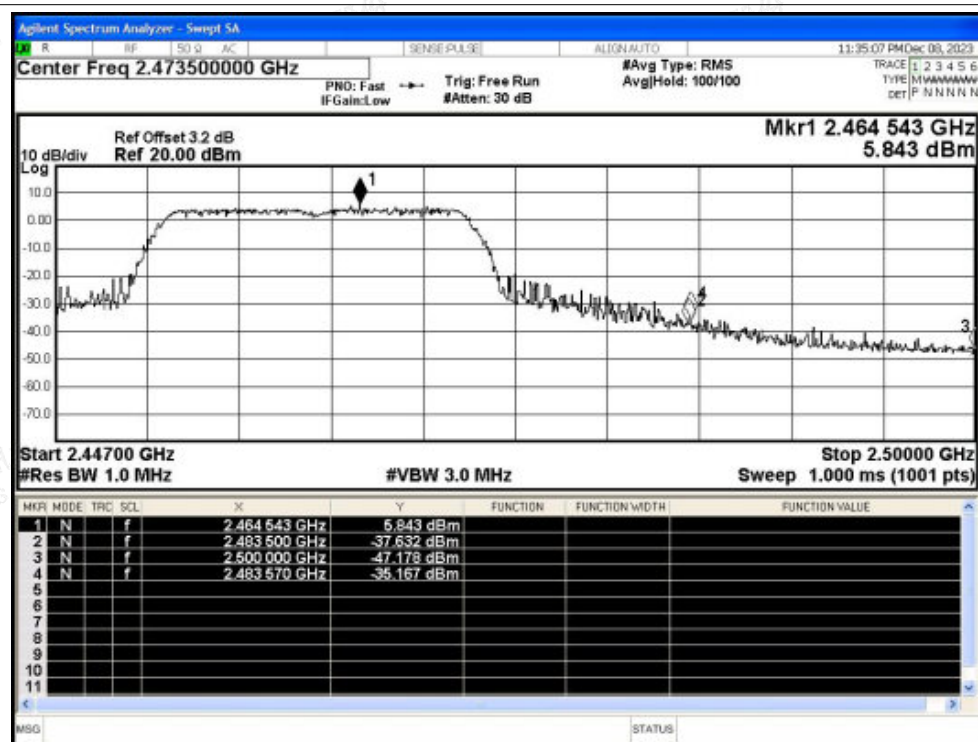
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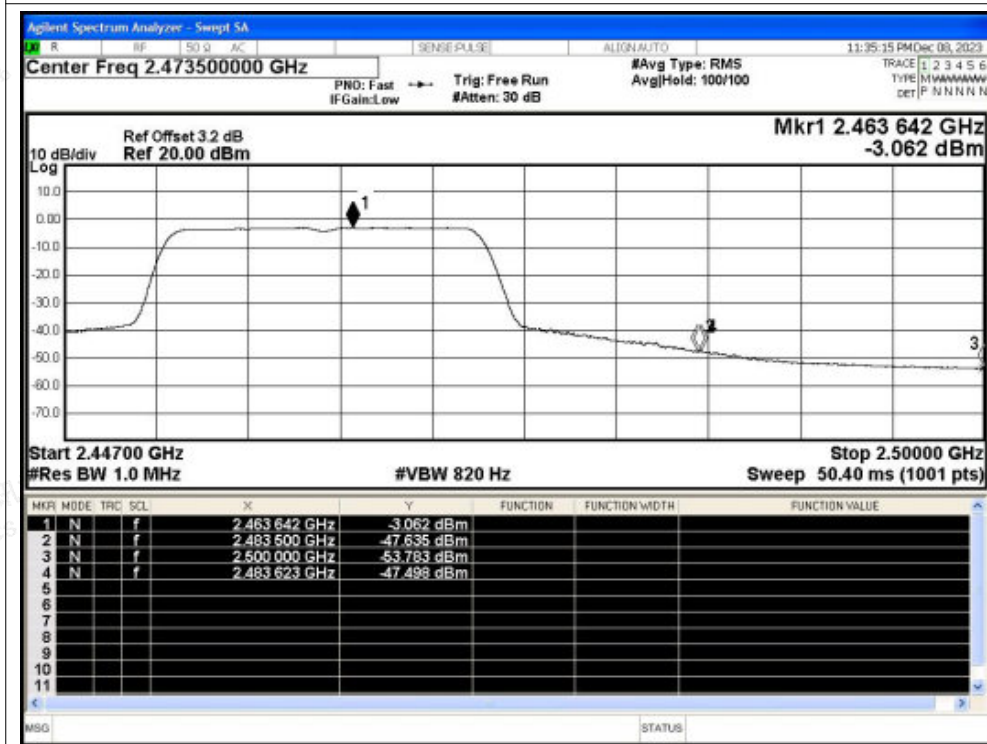
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## Restrict Band NVNT n20 2462MHz Ant1 Peak



## Restrict Band NVNT n20 2462MHz Ant1 Average



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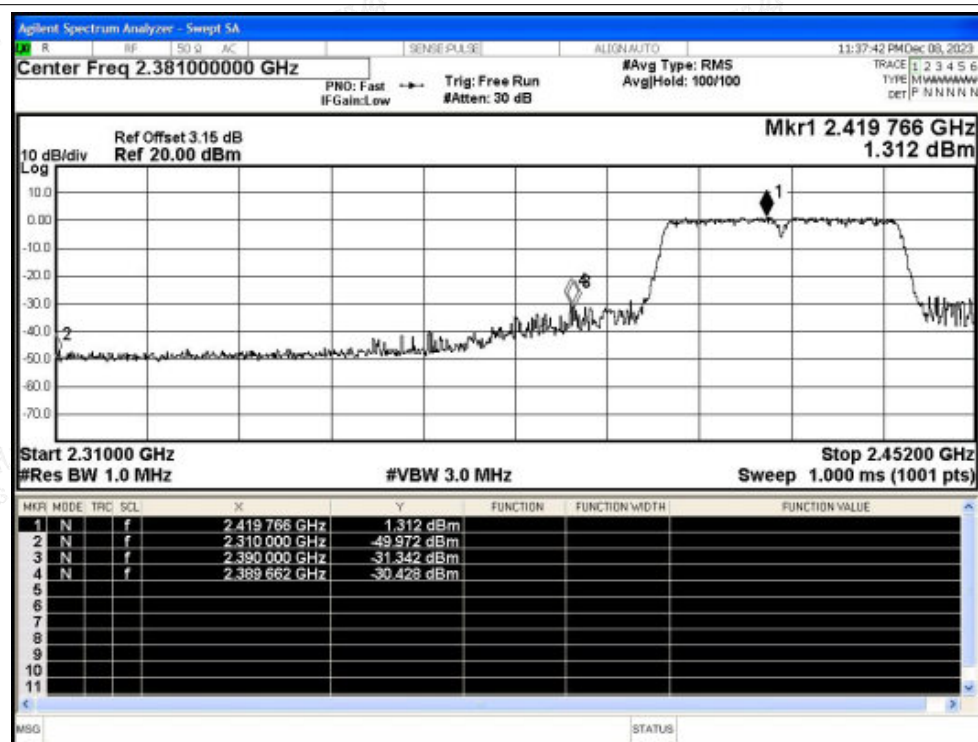
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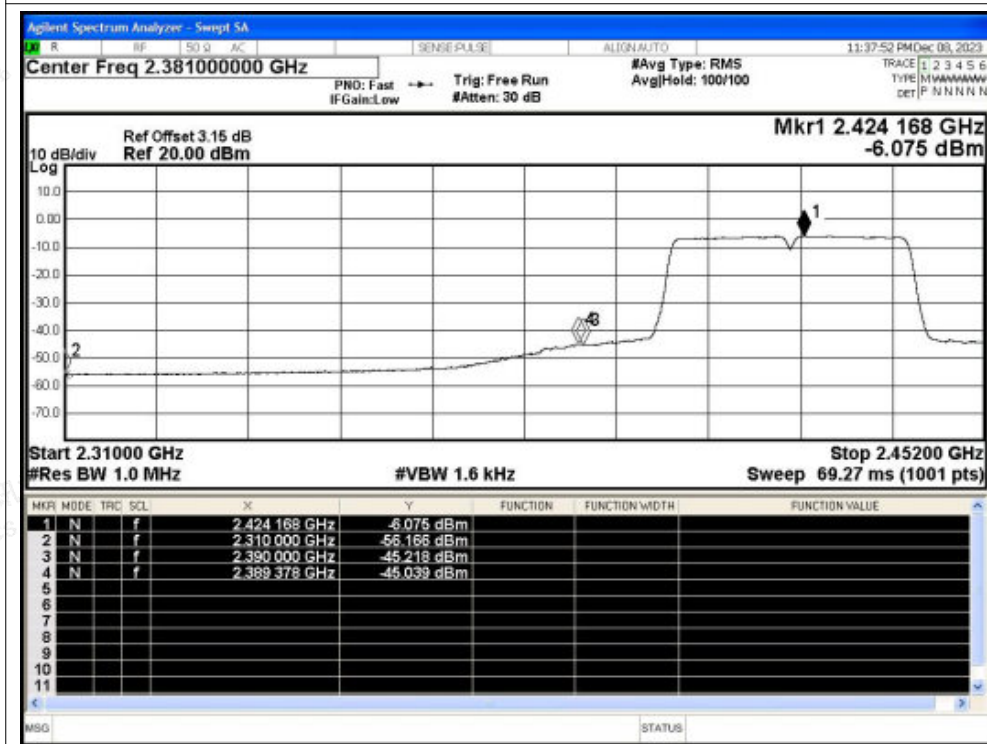
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## Restrict Band NVNT n40 2422MHz Ant1 Peak



## Restrict Band NVNT n40 2422MHz Ant1 Average



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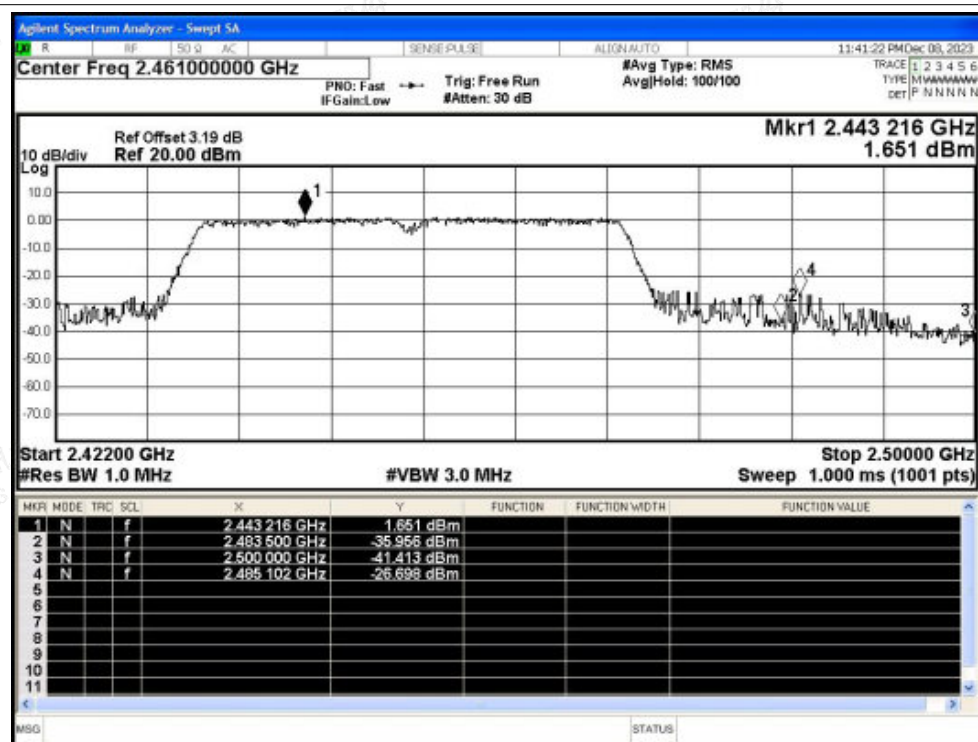
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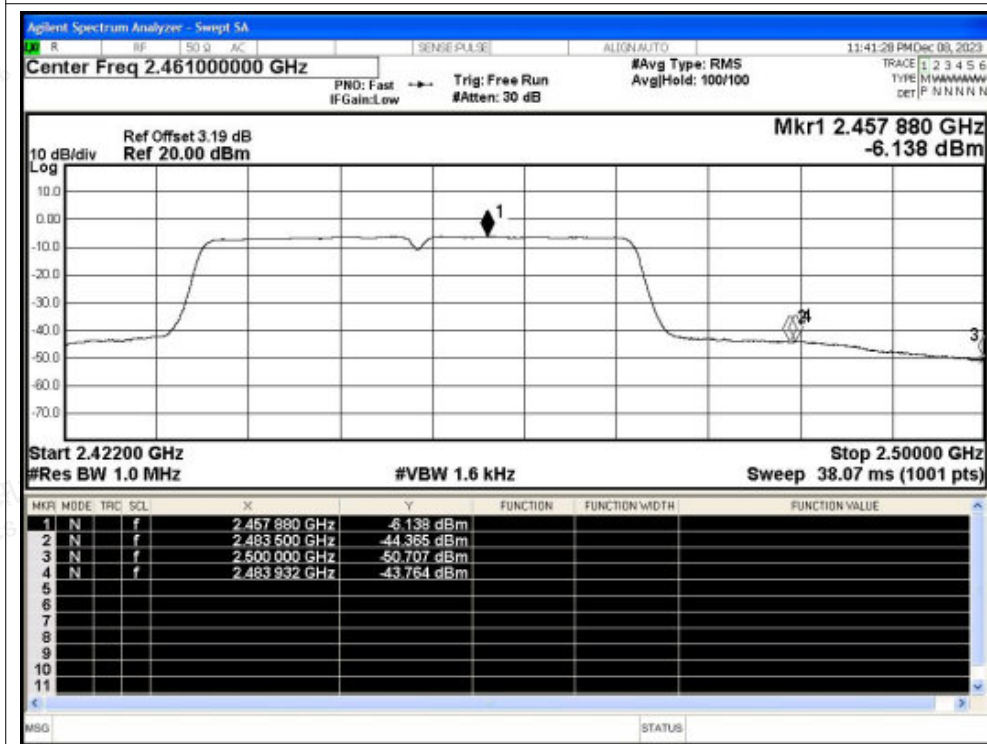
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## Restrict Band NVNT n40 2452MHz Ant1 Peak



## Restrict Band NVNT n40 2452MHz Ant1 Average



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