



## Appendix A

### RF Test Data for BT (Conducted Measurement)

Product Name: Table lamp

Test Model: BH-01

#### Environmental Conditions

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



Shenzhen LCS Compliance Testing Laboratory Ltd.  
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



## A.1 -20dB Bandwidth

| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 0.96                   | N/A                          | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 0.954                  | N/A                          | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | 0.97                   | N/A                          | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | 1.274                  | N/A                          | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 1.317                  | N/A                          | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | 1.284                  | N/A                          | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | 1.29                   | N/A                          | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 1.29                   | N/A                          | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | 1.298                  | N/A                          | Pass    |





## Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

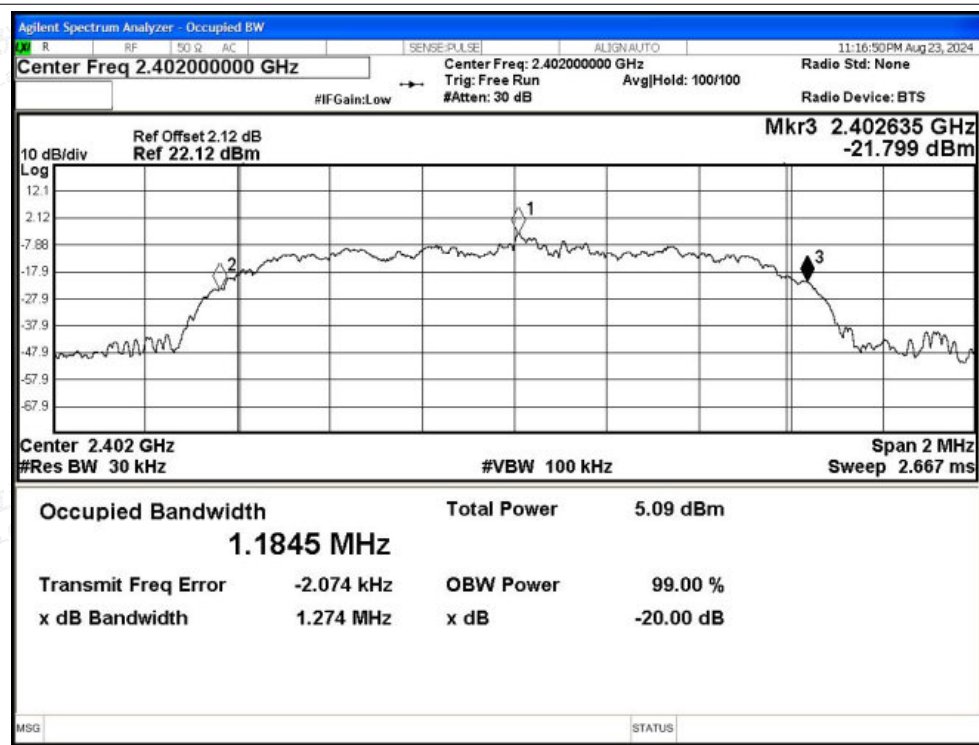




## -20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

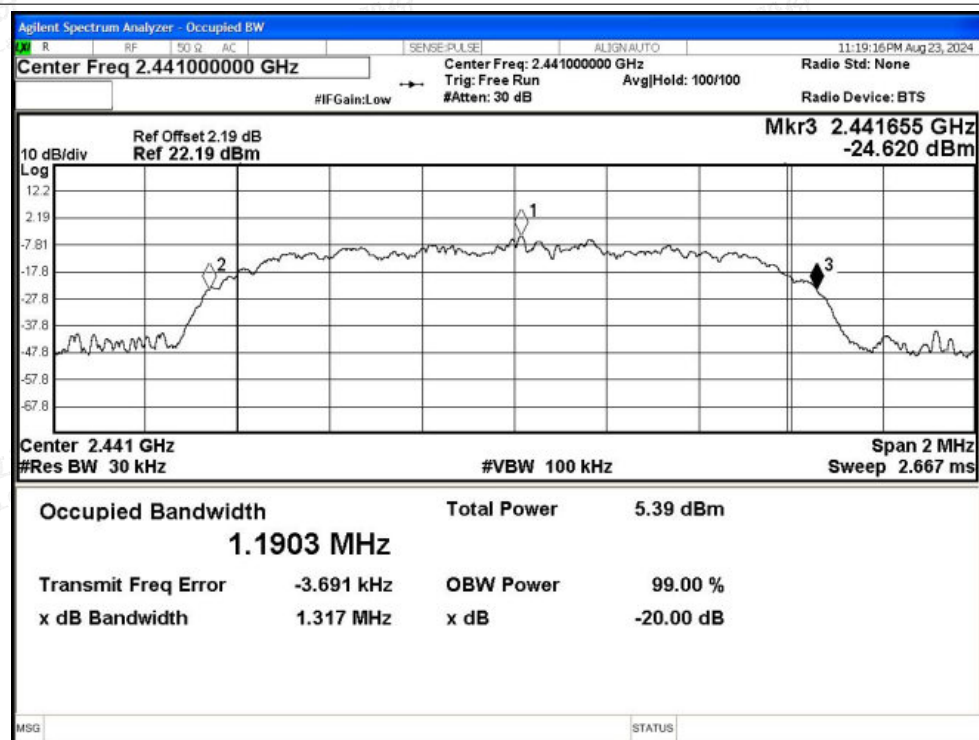


## -20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

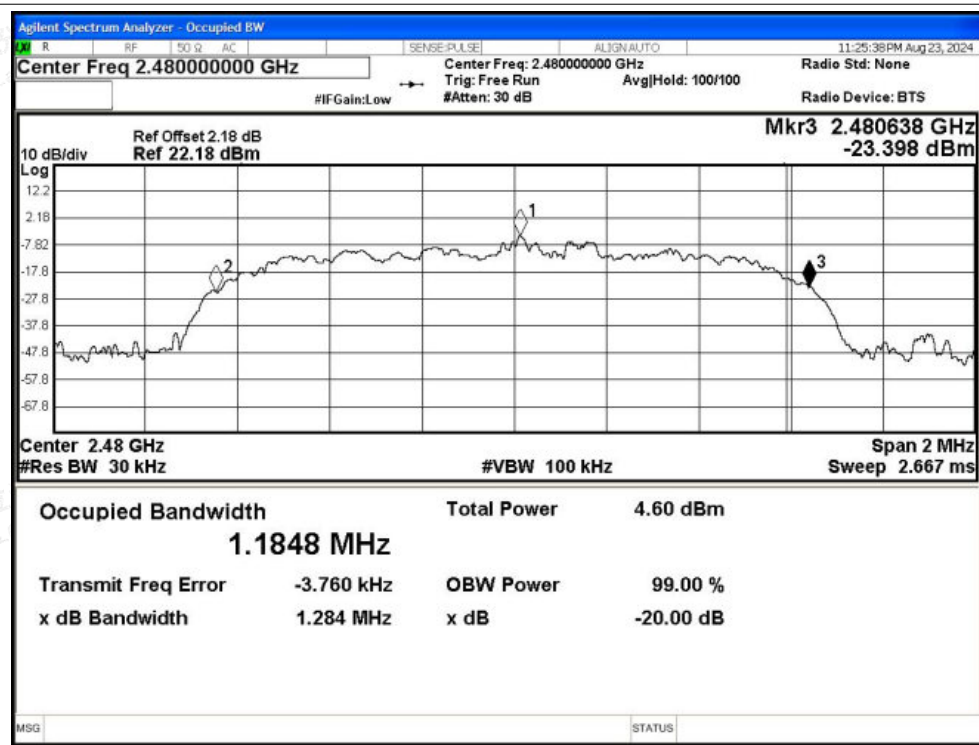




## -20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



## -20dB Bandwidth NVNT 2-DH5 2480MHz 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

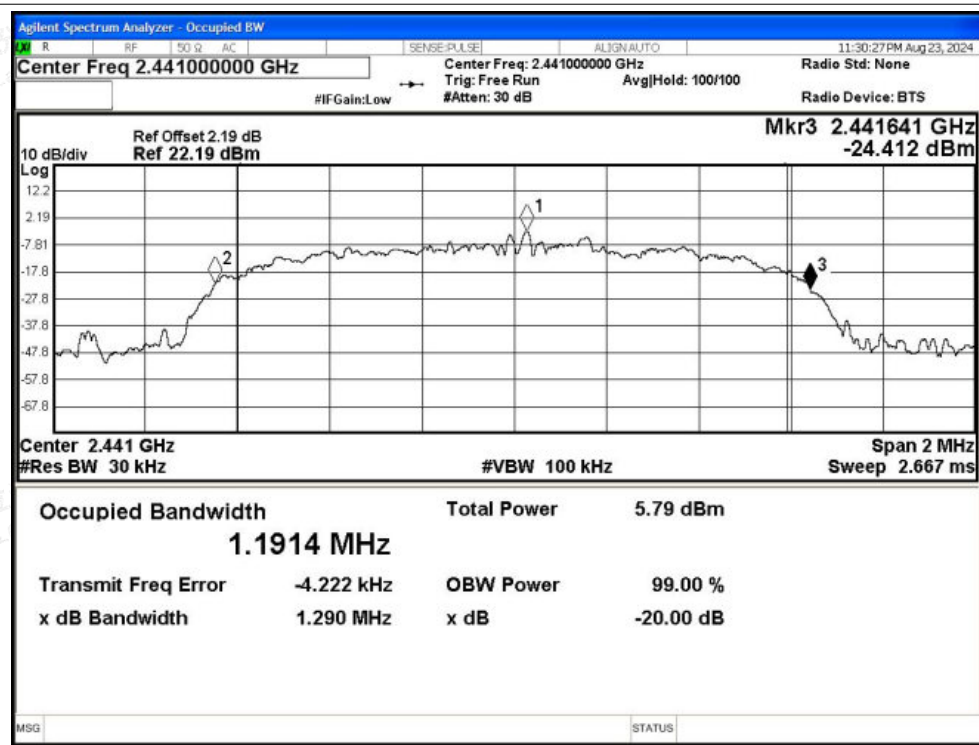
Scan code to check authenticity



## -20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



## -20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

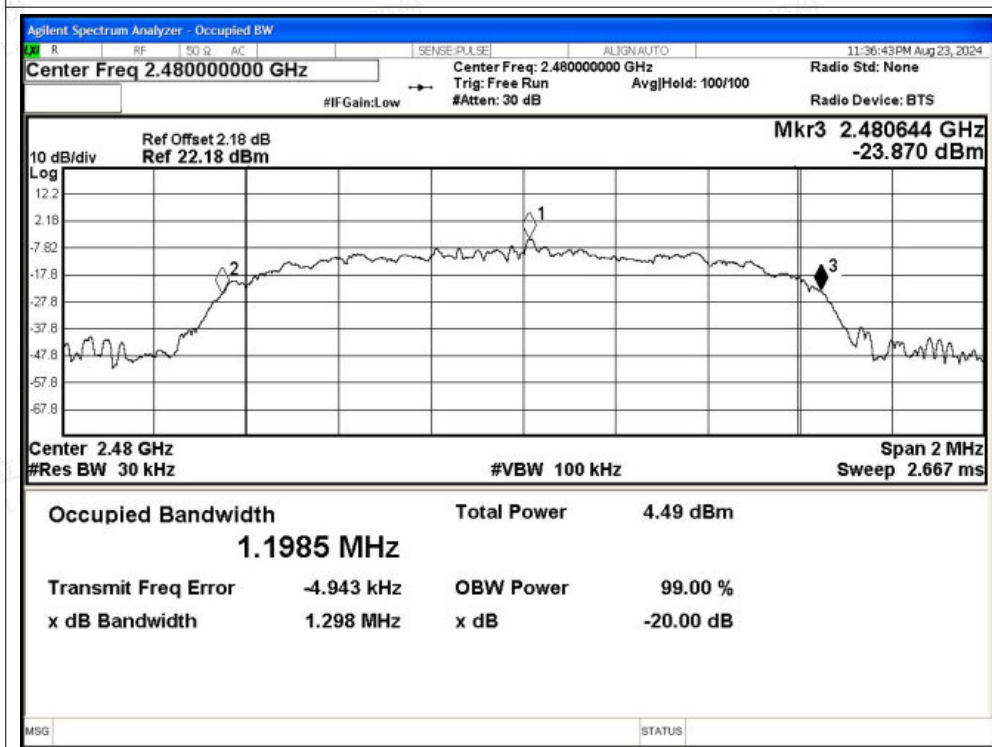
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1





## A.2 Maximum Conducted Output Power

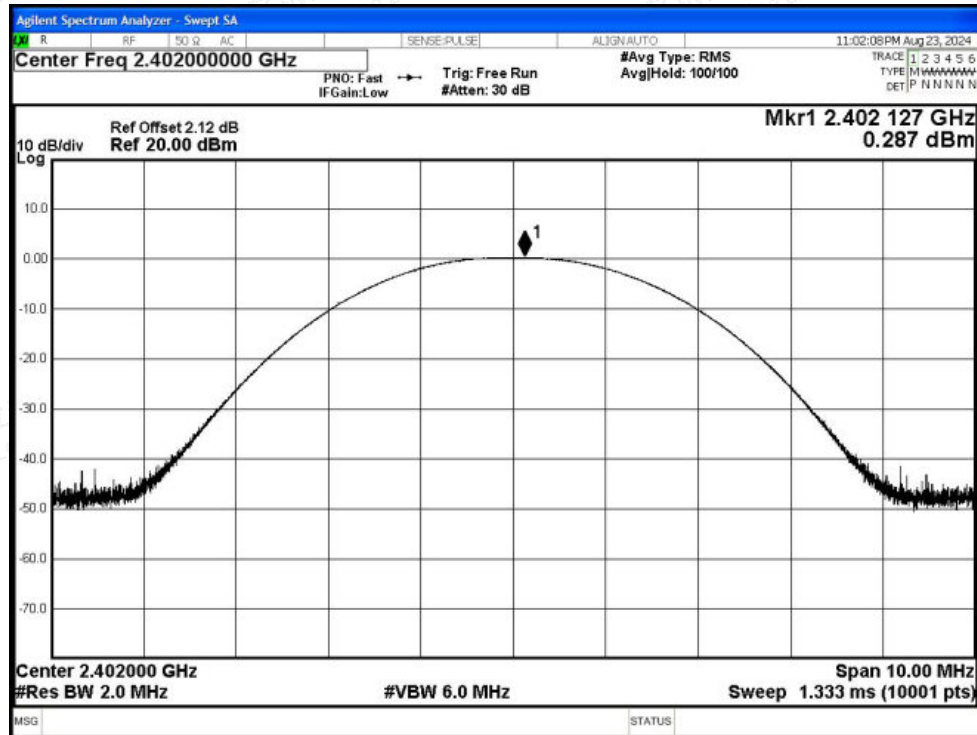
| Condition | Mode  | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|-------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 0.29              | 21          | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 0.12              | 21          | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | -0.58             | 21          | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | 0.73              | 21          | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 1.25              | 21          | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | 0.09              | 21          | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | 0.94              | 21          | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 1.21              | 21          | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | 0.19              | 21          | Pass    |



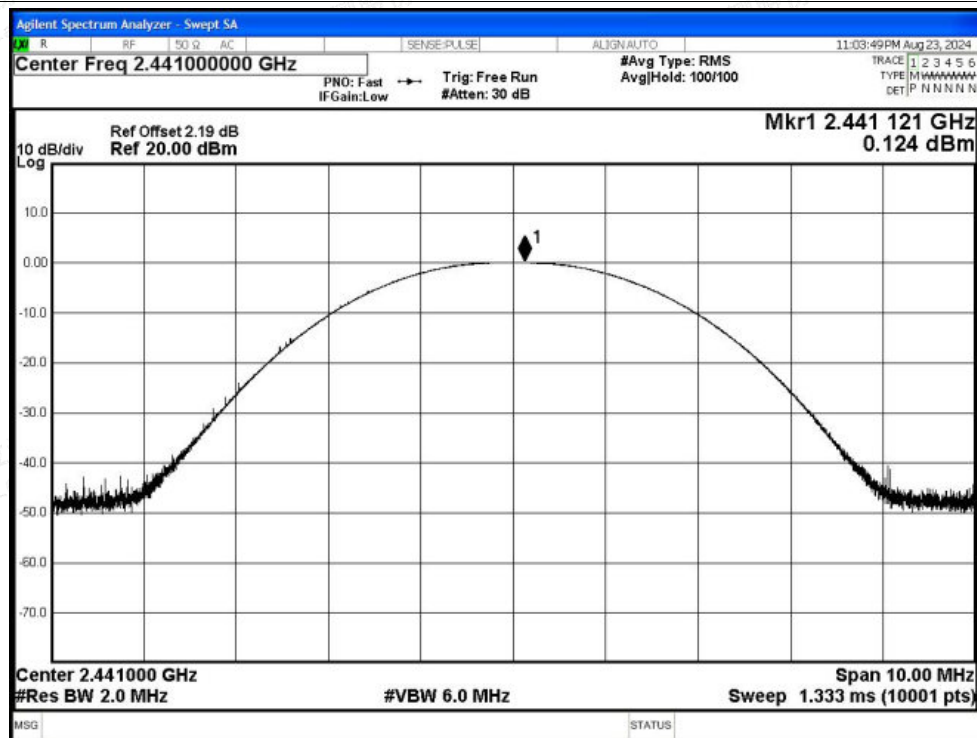


## Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

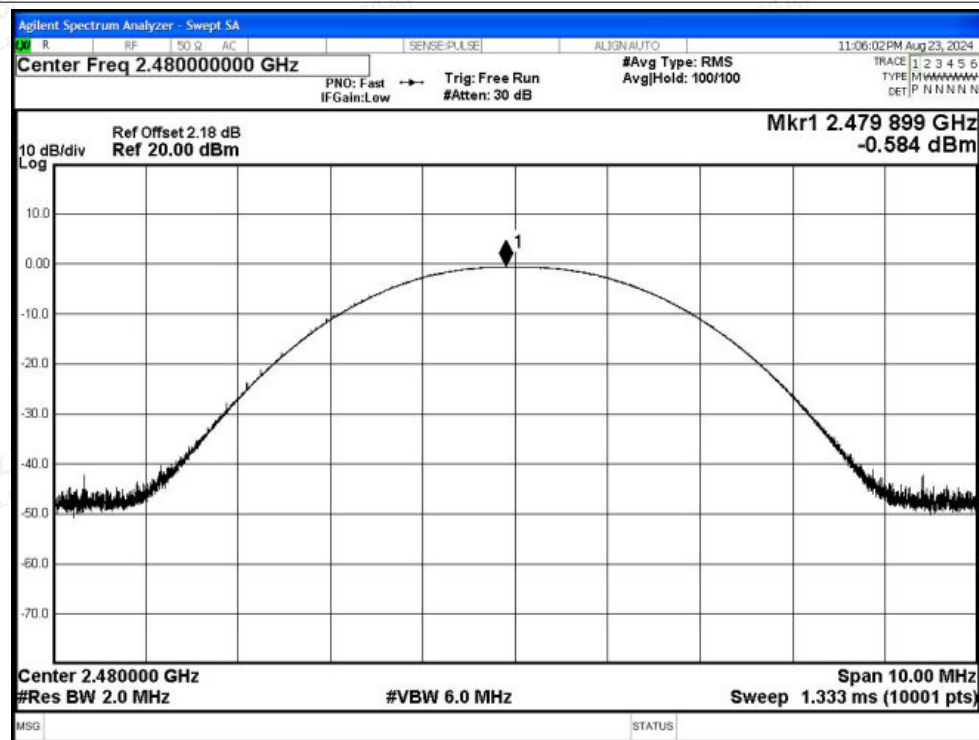


Power NVNT 1-DH5 2441MHz Ant1

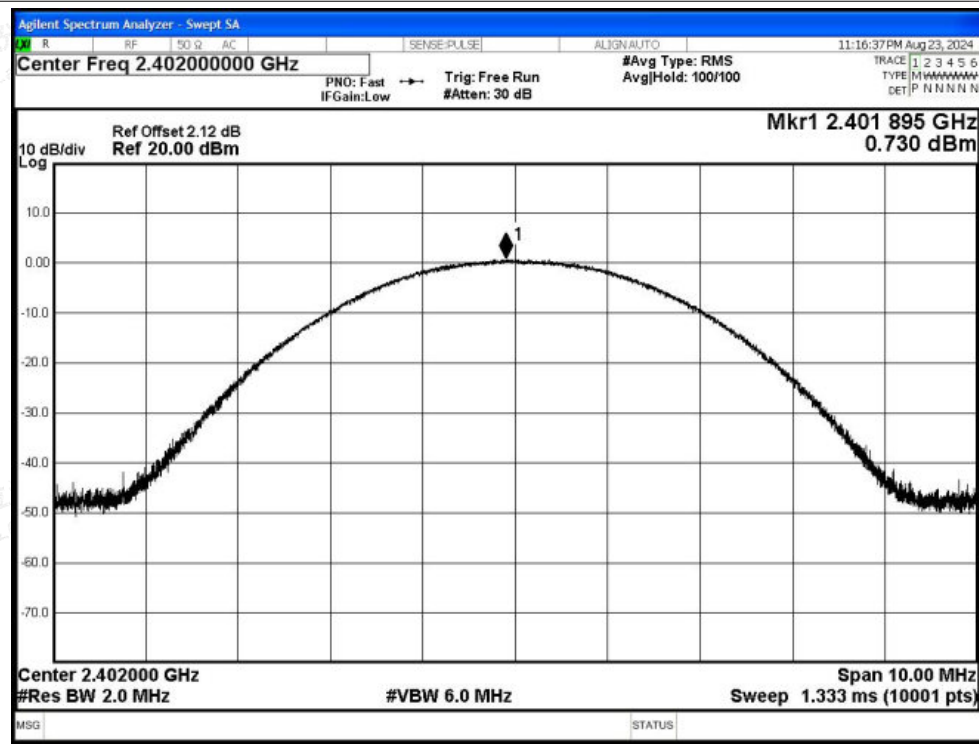




Power NVNT 1-DH5 2480MHz Ant1

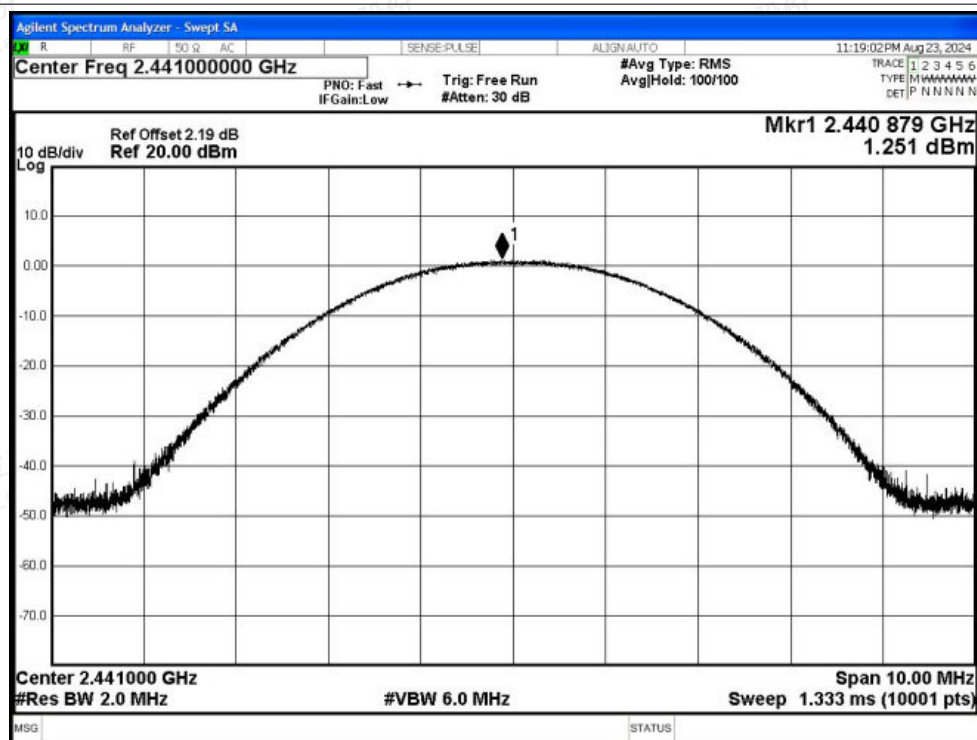


Power NVNT 2-DH5 2402MHz Ant1

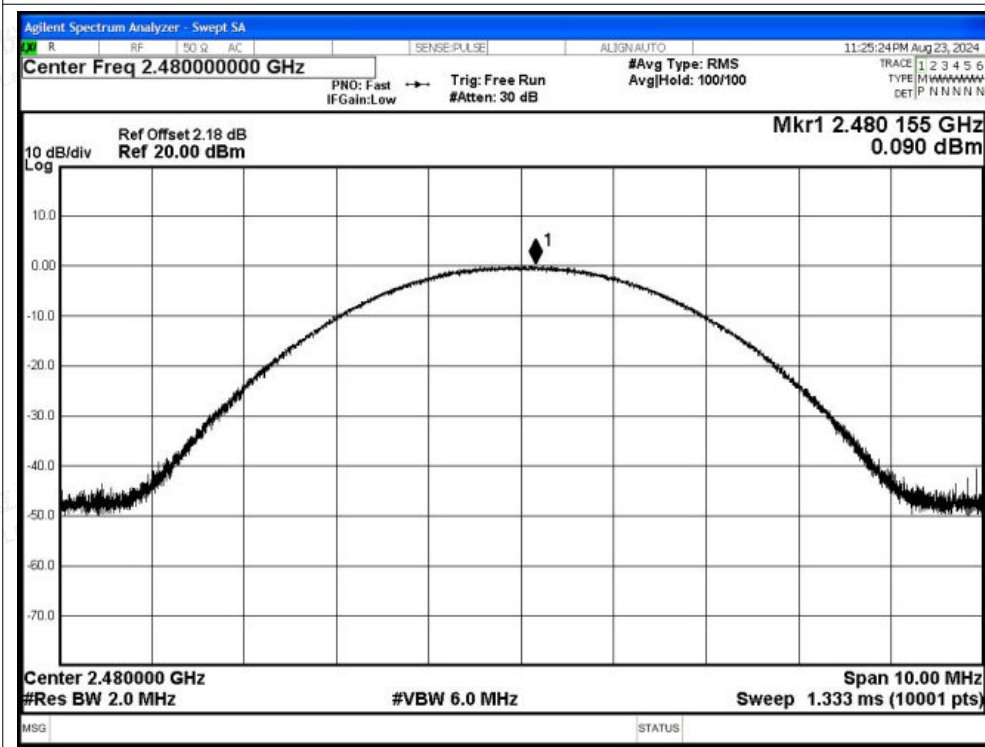




Power NVNT 2-DH5 2441MHz Ant1

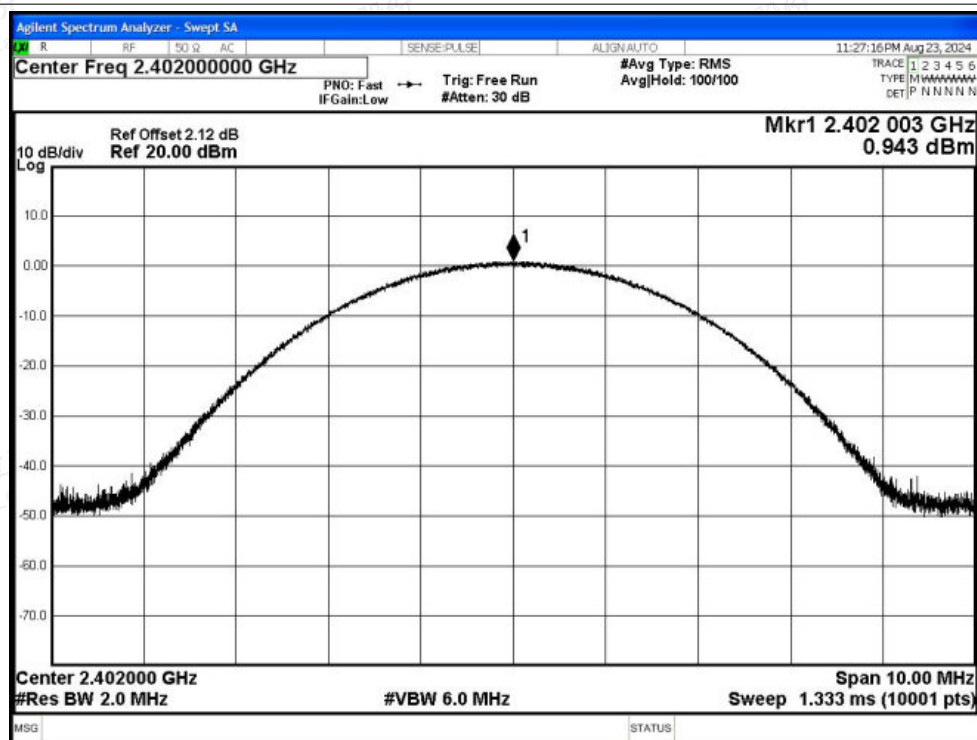


Power NVNT 2-DH5 2480MHz Ant1

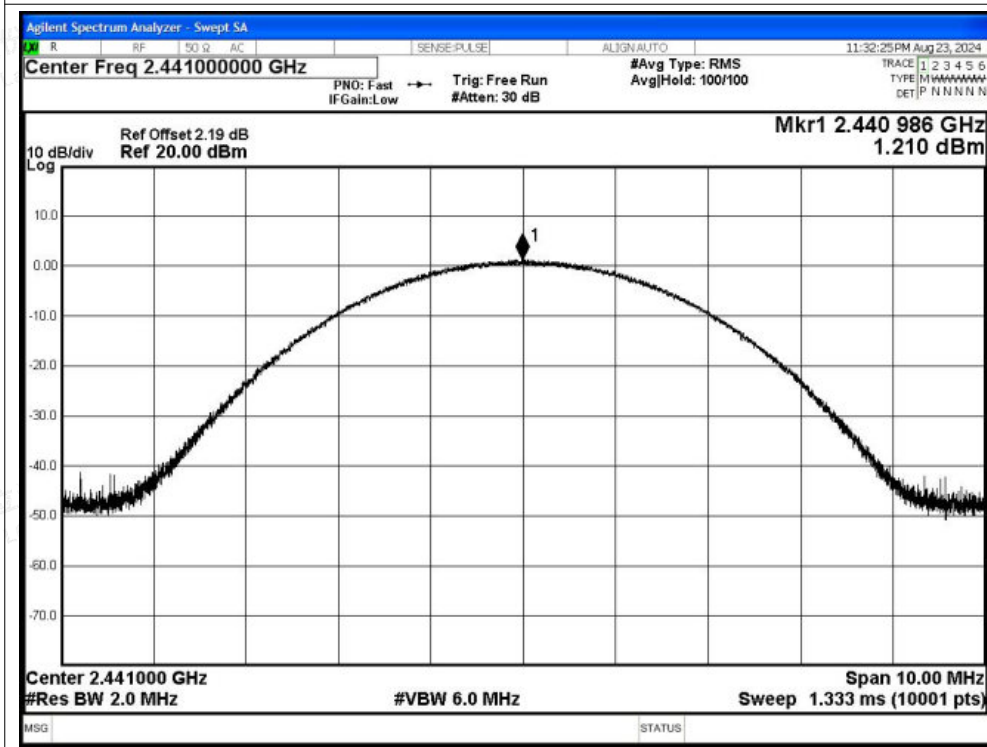


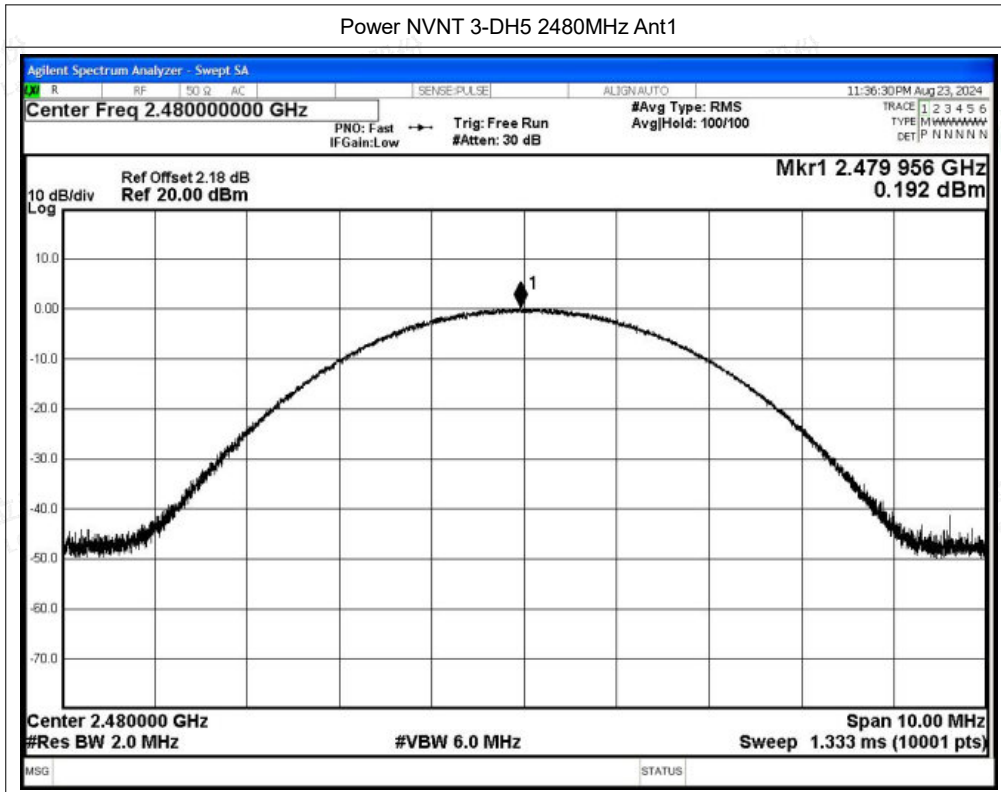


Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1







### A.3 Carrier Frequencies Separation

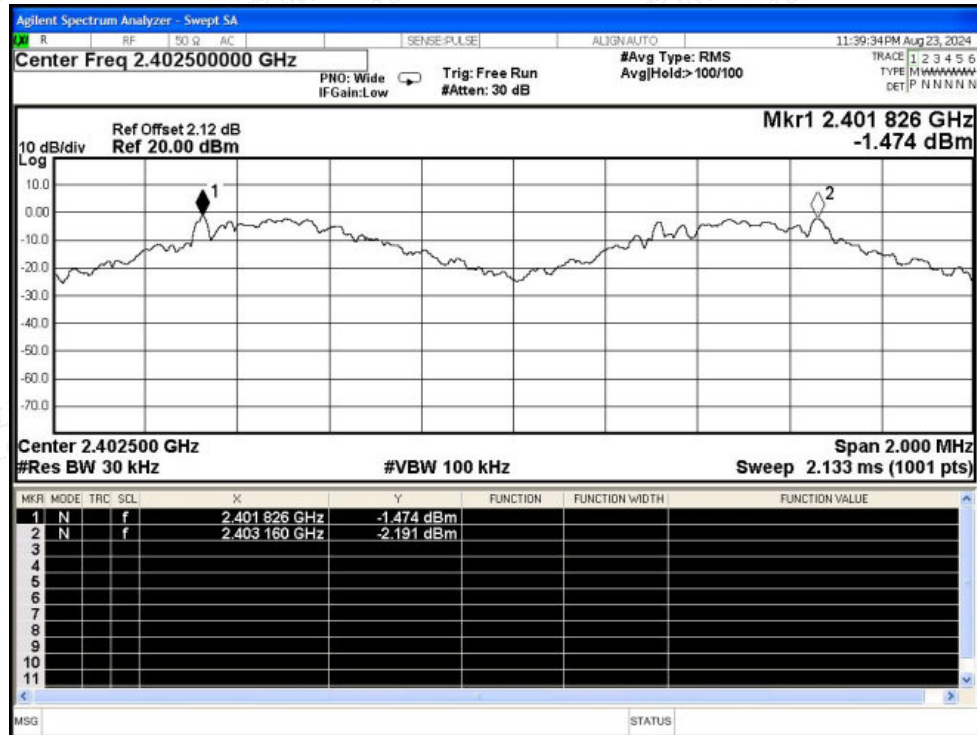
| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH5 | Ant1    | 2401.826            | 2403.16             | 1.334     | 0.647       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2402.022            | 2403.012            | 0.99      | 0.878       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2402.014            | 2403.018            | 1.004     | 0.865       | Pass    |



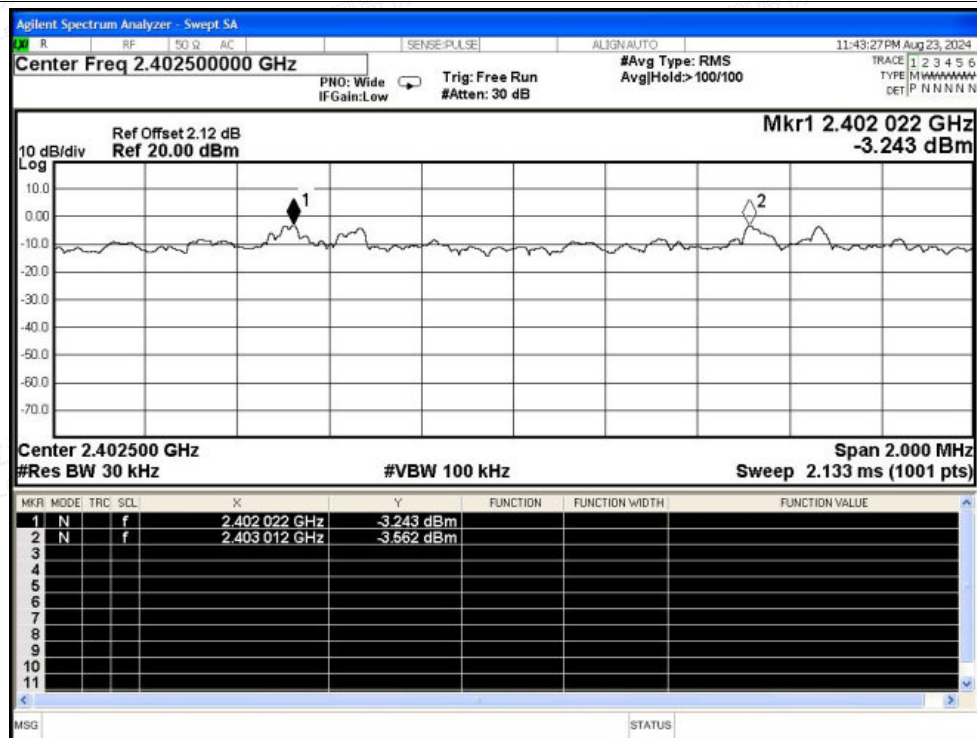


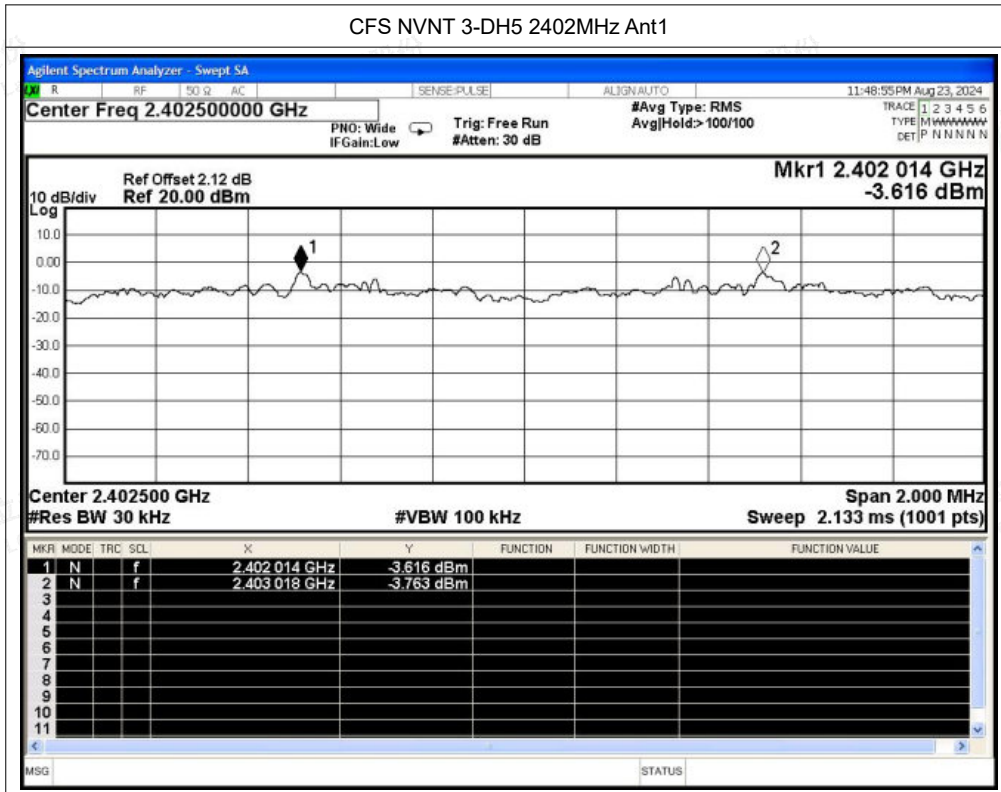
## Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1







A.4 Dwell Time

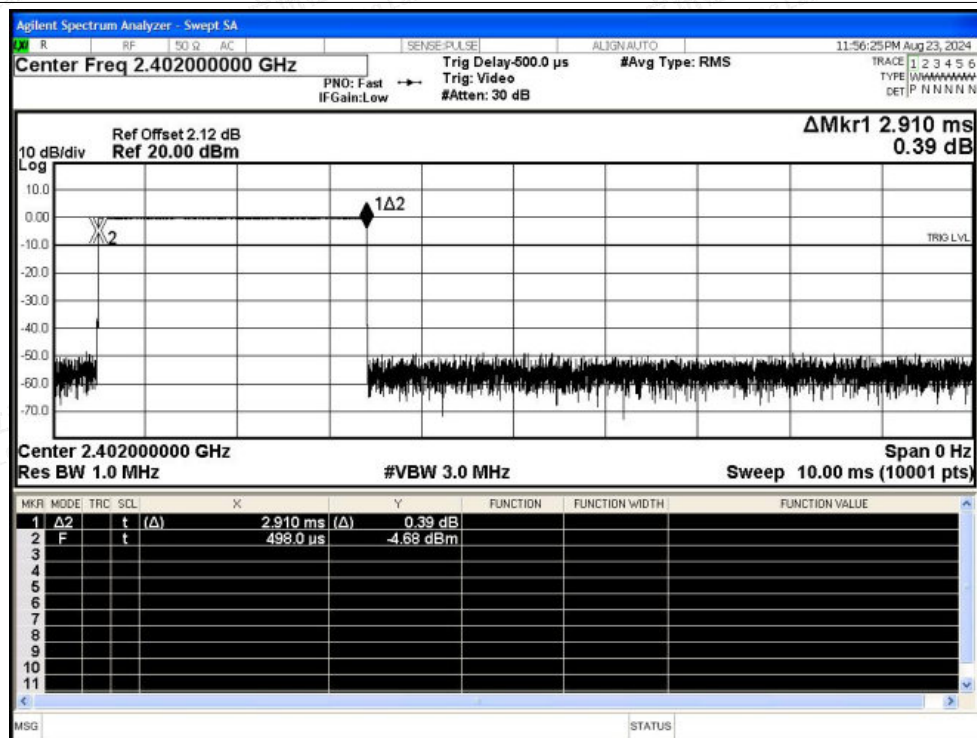
| Condition | Mode  | Frequency<br>(MHz) | Antenna | Pulse Time<br>(ms) | Total Dwell Time<br>(ms) | Burst<br>Count | Period Time<br>(ms) | Limit<br>(ms) | Verdict |
|-----------|-------|--------------------|---------|--------------------|--------------------------|----------------|---------------------|---------------|---------|
| NVNT      | 1-DH5 | 2402               | Ant1    | 2.91               | 328.83                   | 113            | 31600               | 400           | Pass    |
| NVNT      | 2-DH5 | 2402               | Ant1    | 2.898              | 295.596                  | 102            | 31600               | 400           | Pass    |
| NVNT      | 3-DH5 | 2402               | Ant1    | 2.897              | 336.052                  | 116            | 31600               | 400           | Pass    |



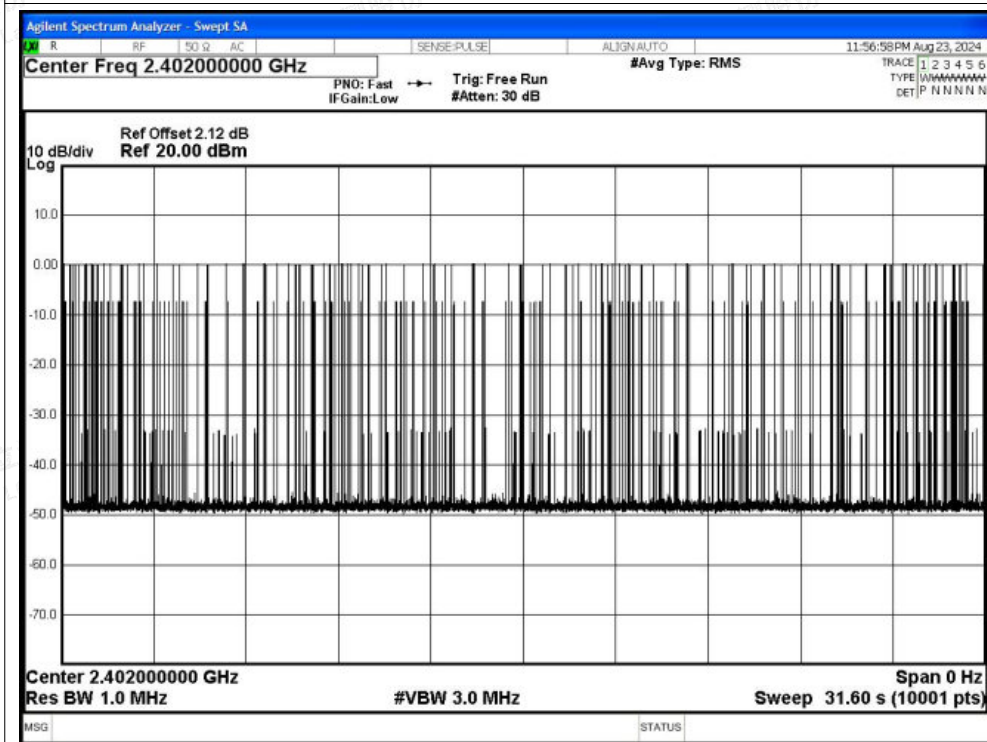


## Test Graphs

## Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



## Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



Shenzhen LCS Compliance Testing Laboratory Ltd.

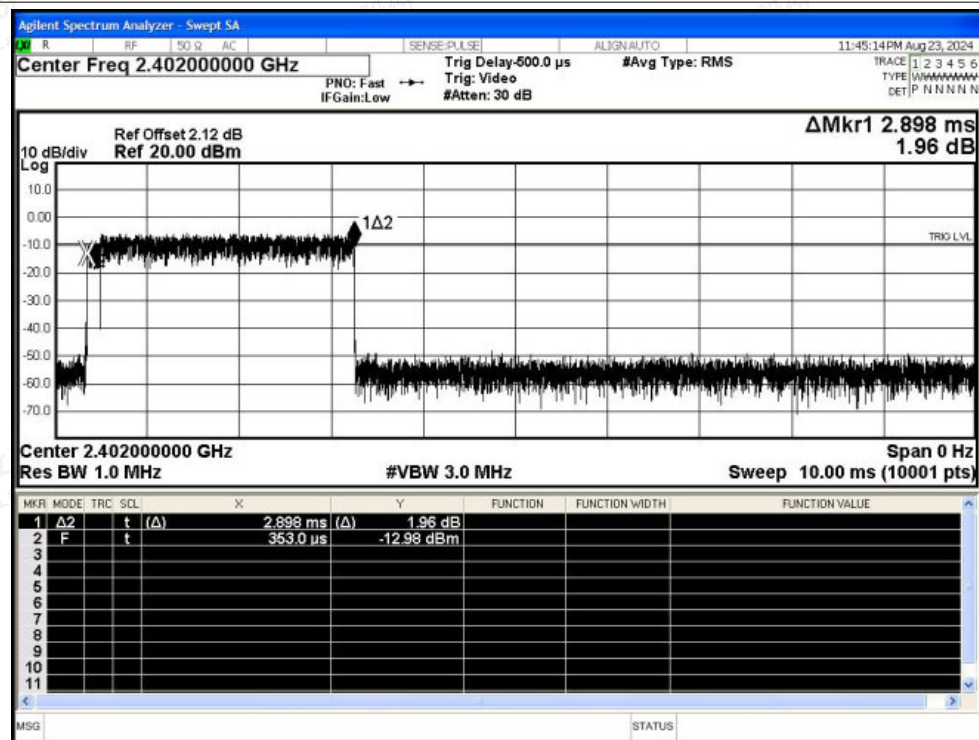
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

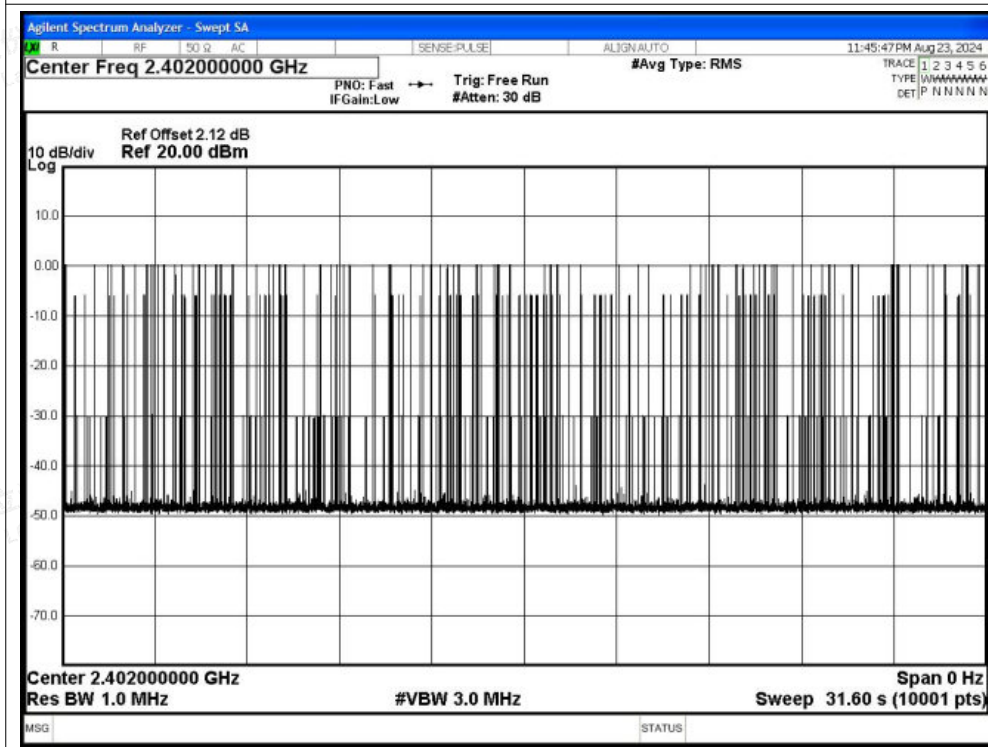
Scan code to check authenticity



## Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

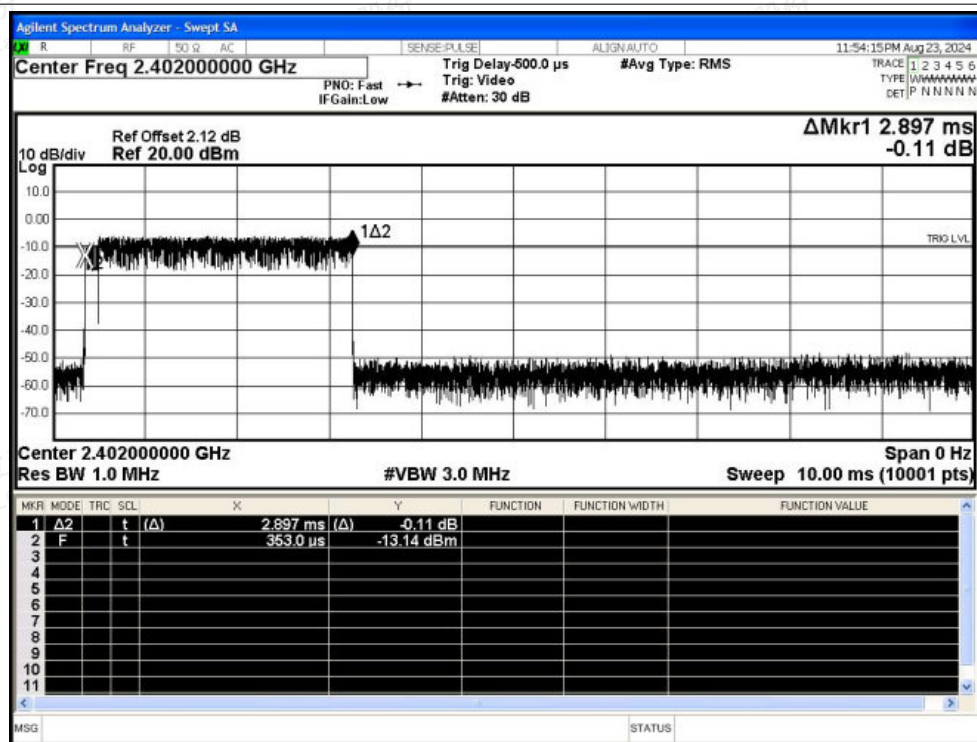


## Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

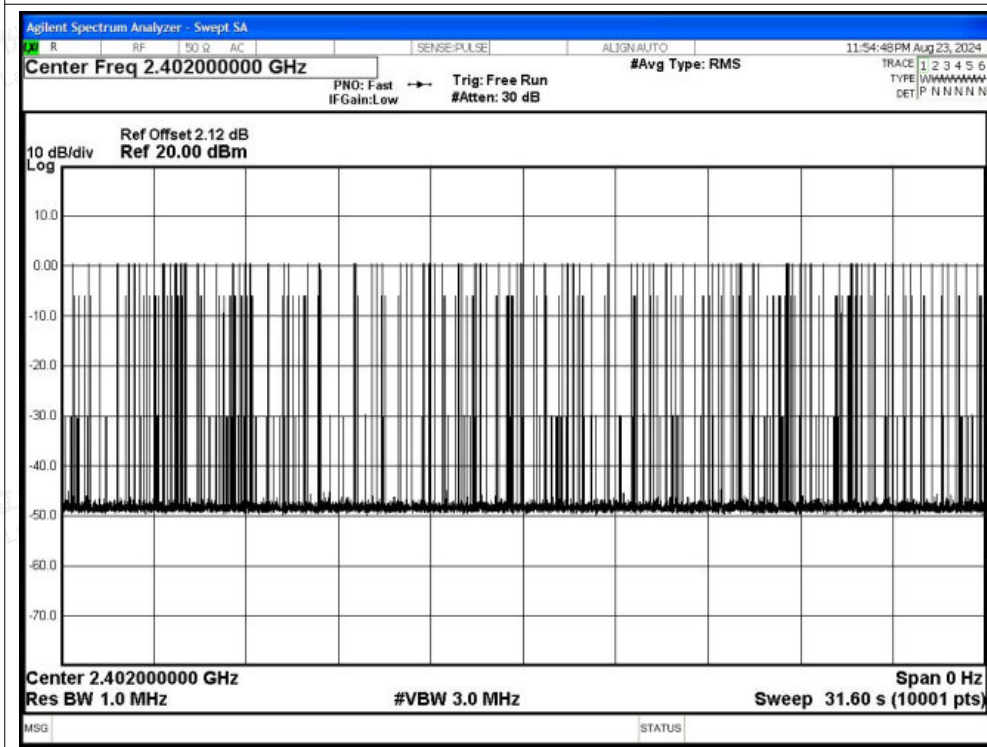




## Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



## Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated





A.5 Number of Hopping Channel

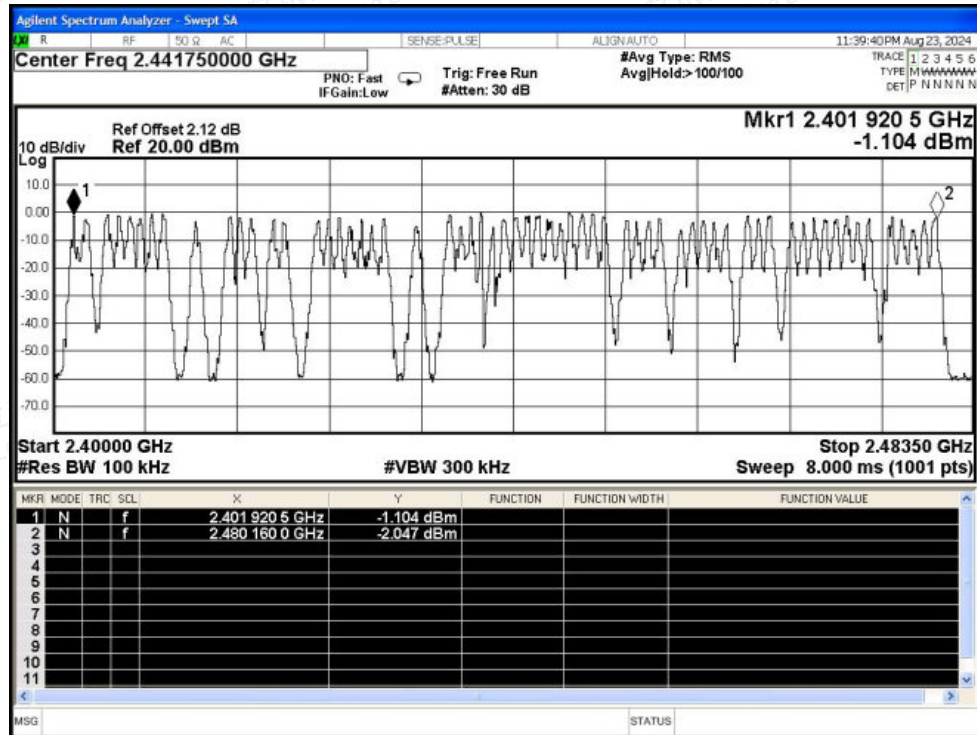
| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH5 | Ant1    | 79             | 15    | Pass    |



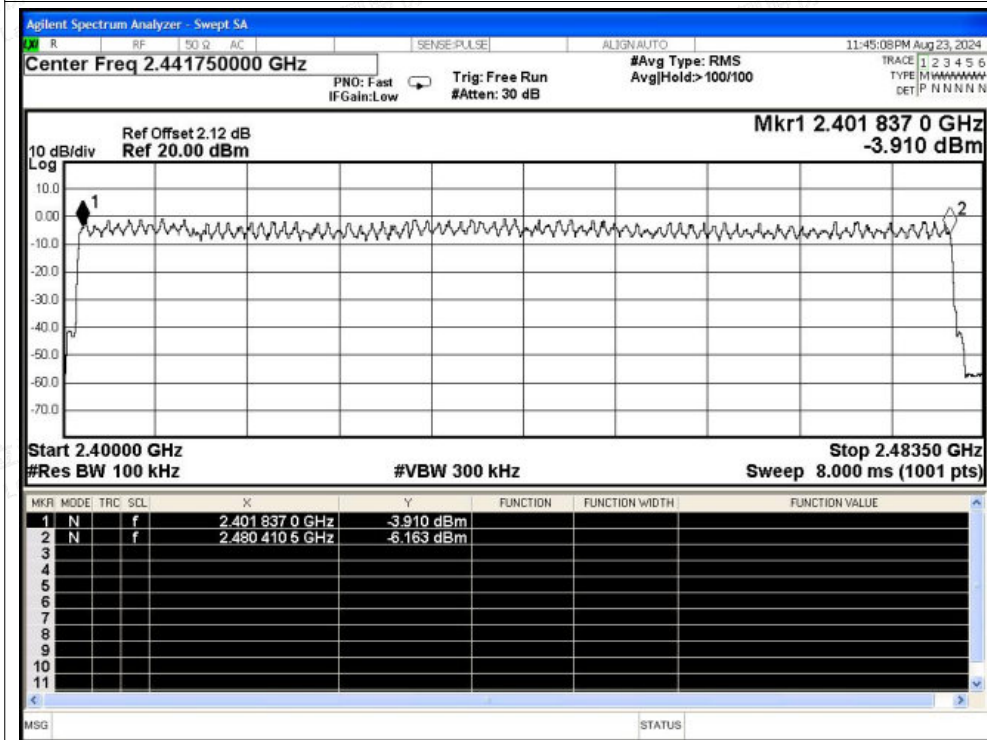


## Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

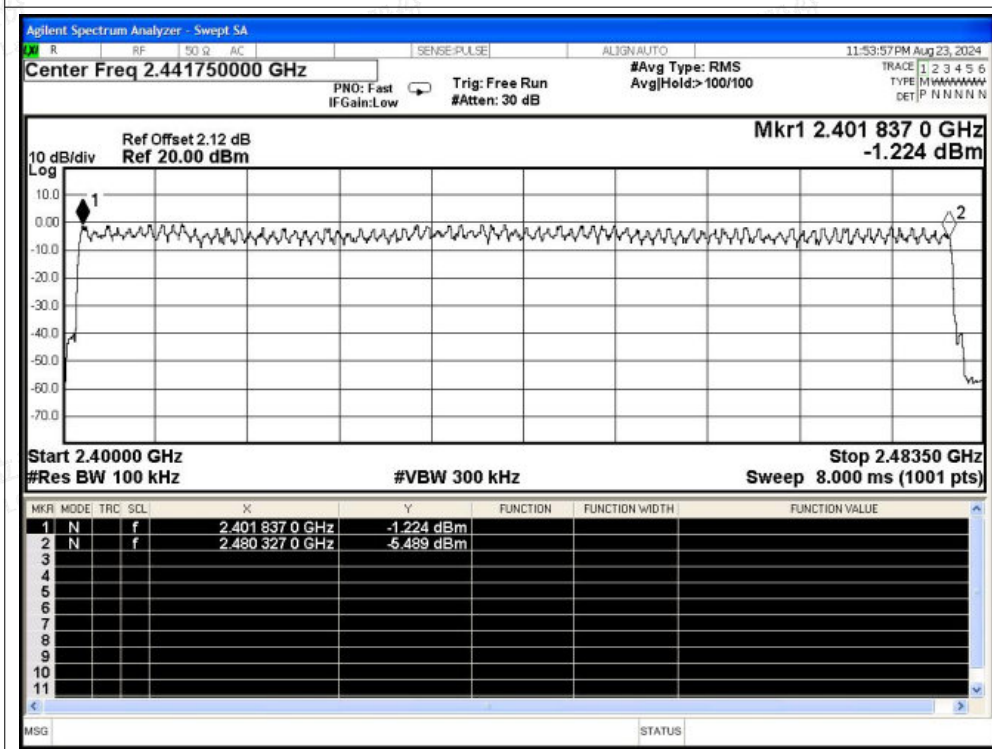


Hopping No. NVNT 2-DH5 2402MHz Ant1





Hopping No. NVNT 3-DH5 2402MHz Ant1





## A.6 Band Edge

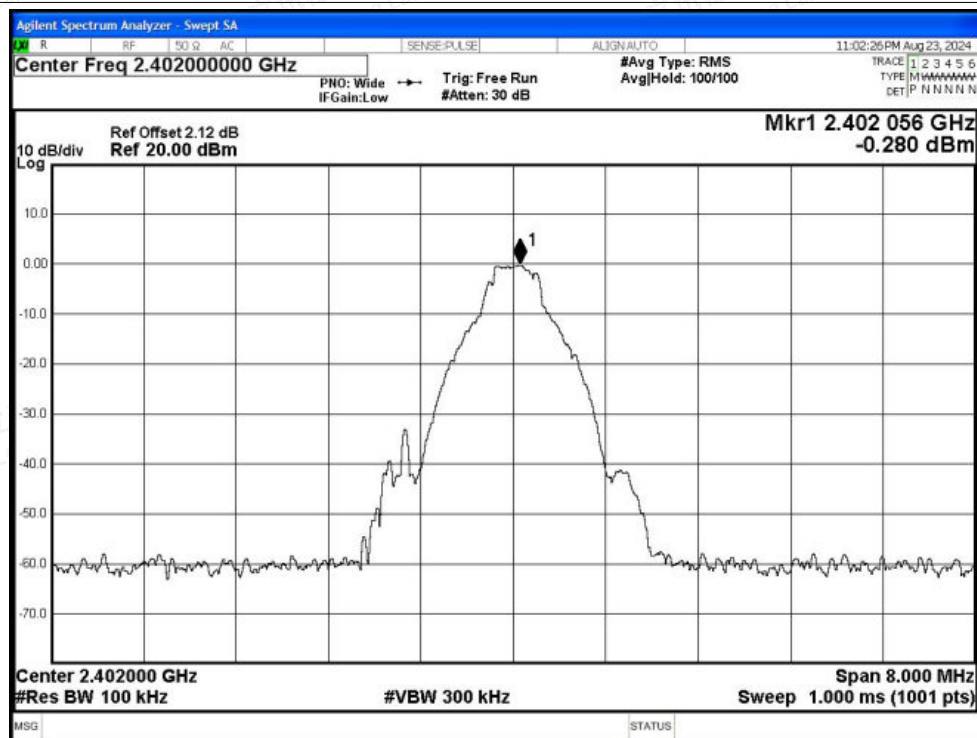
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | -56.6           | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | -56.41          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | -53.77          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | -55.08          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | -55.26          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | -52.2           | -20         | Pass    |



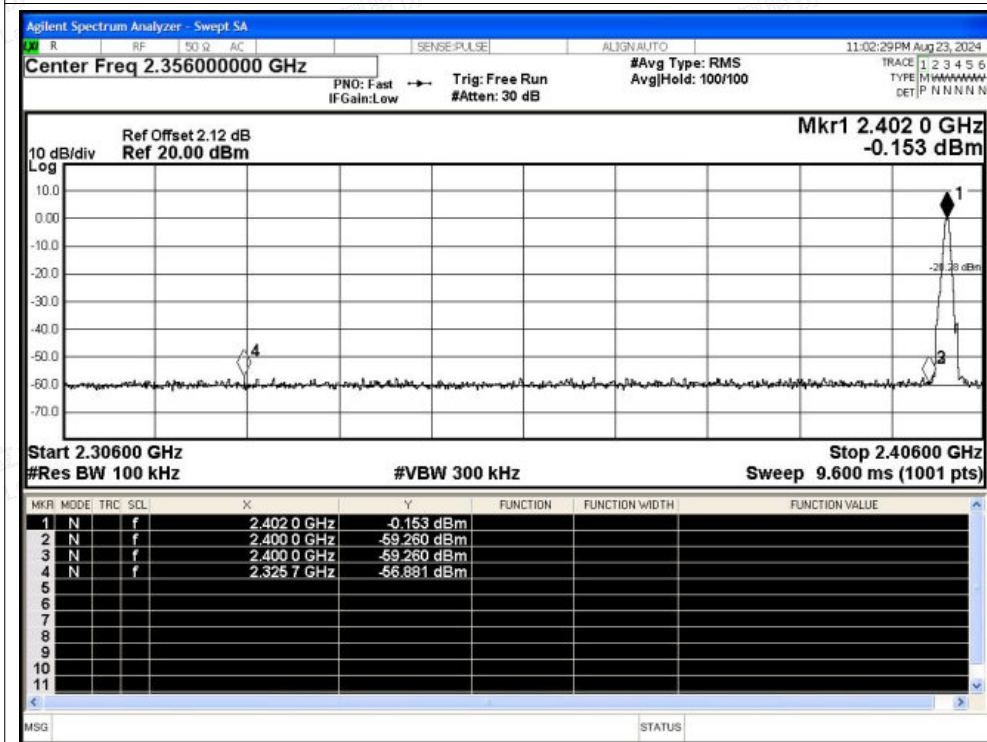


## Test Graphs

## Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



## Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

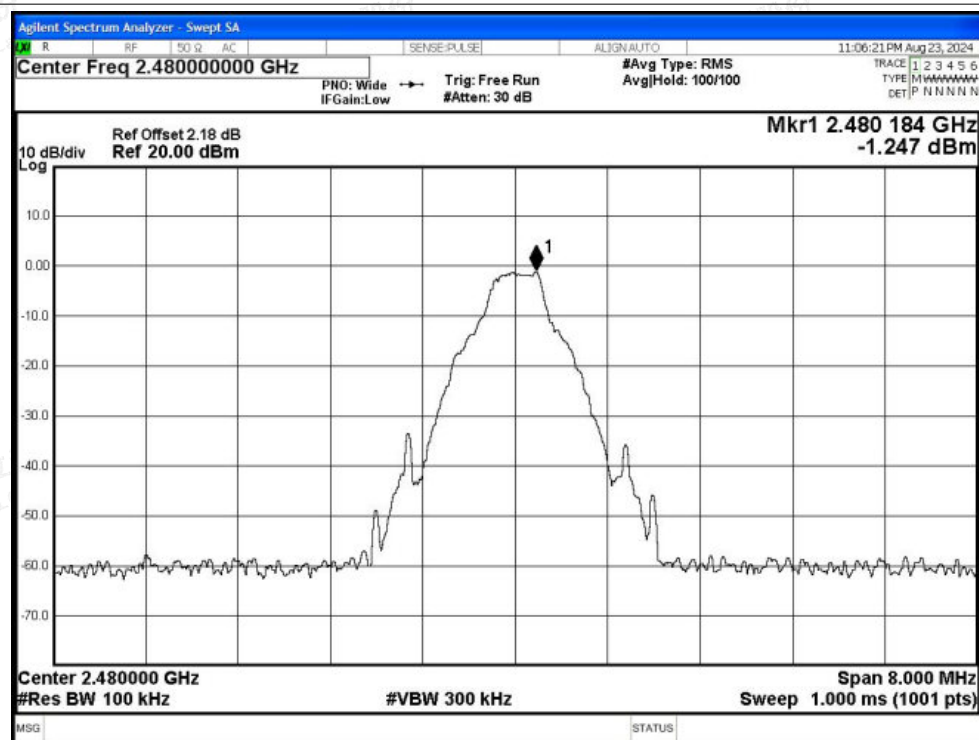
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

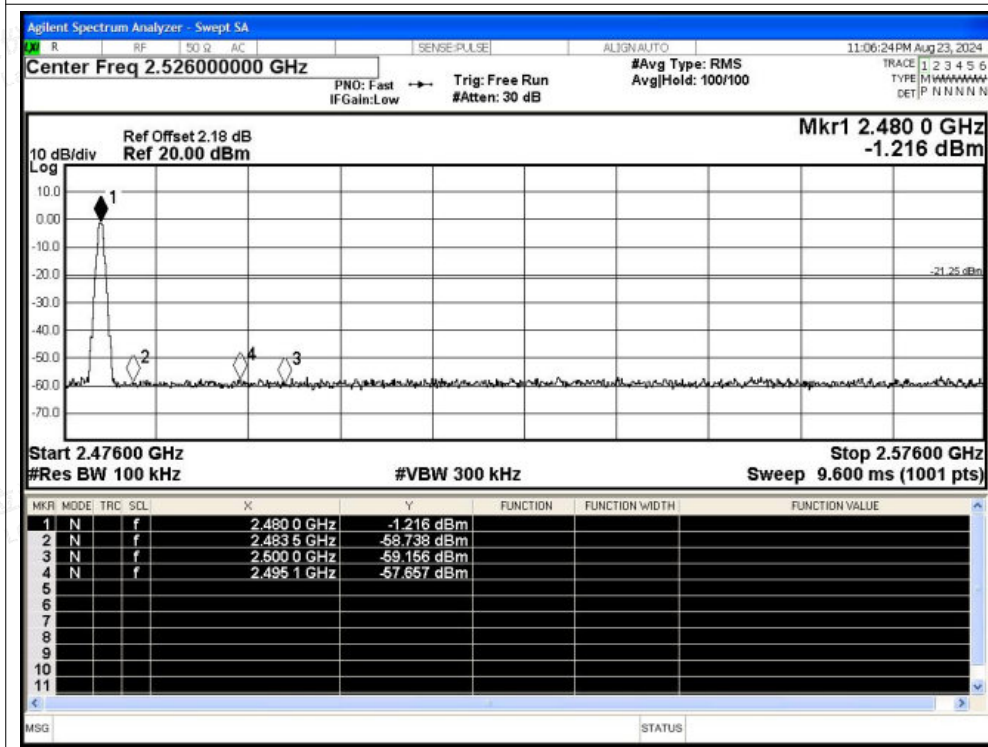
Scan code to check authenticity



## Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

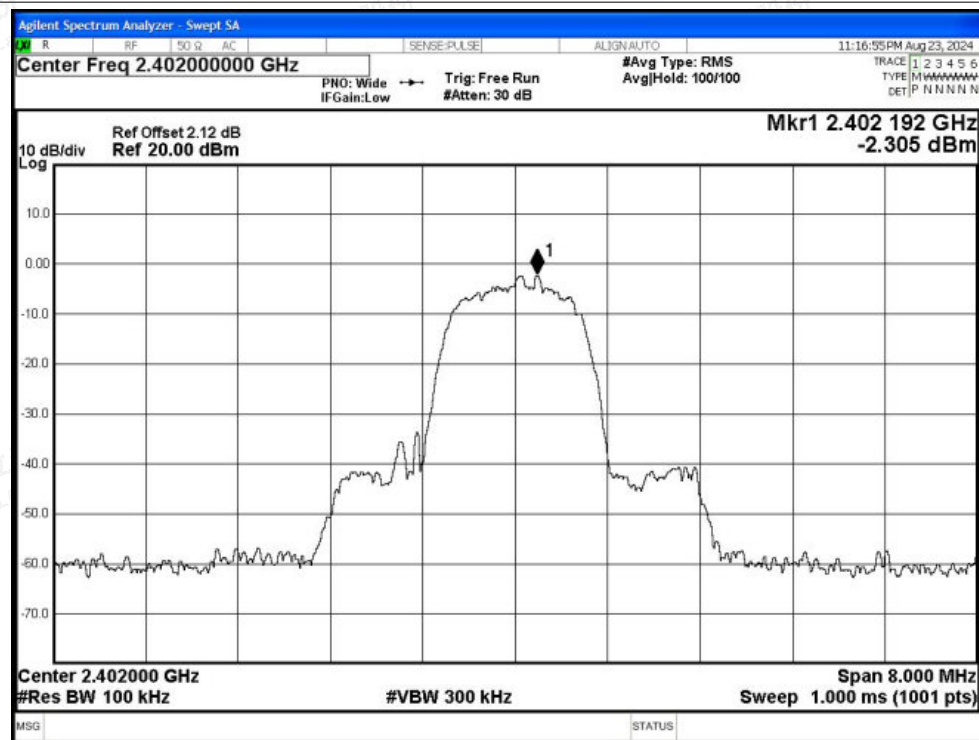


## Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

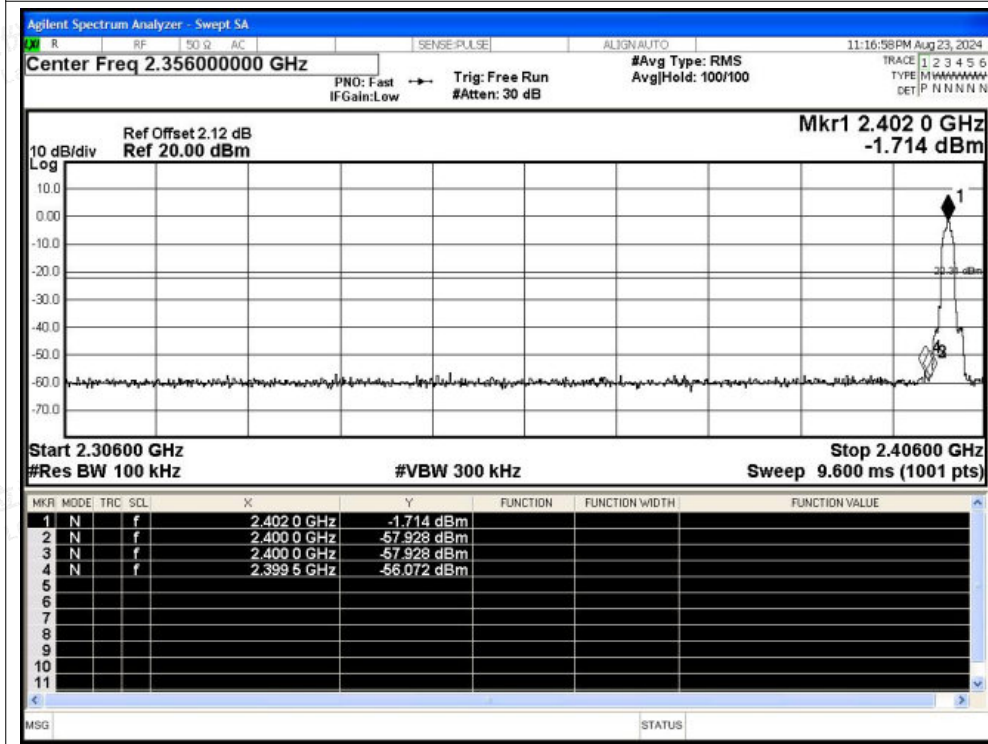




## Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

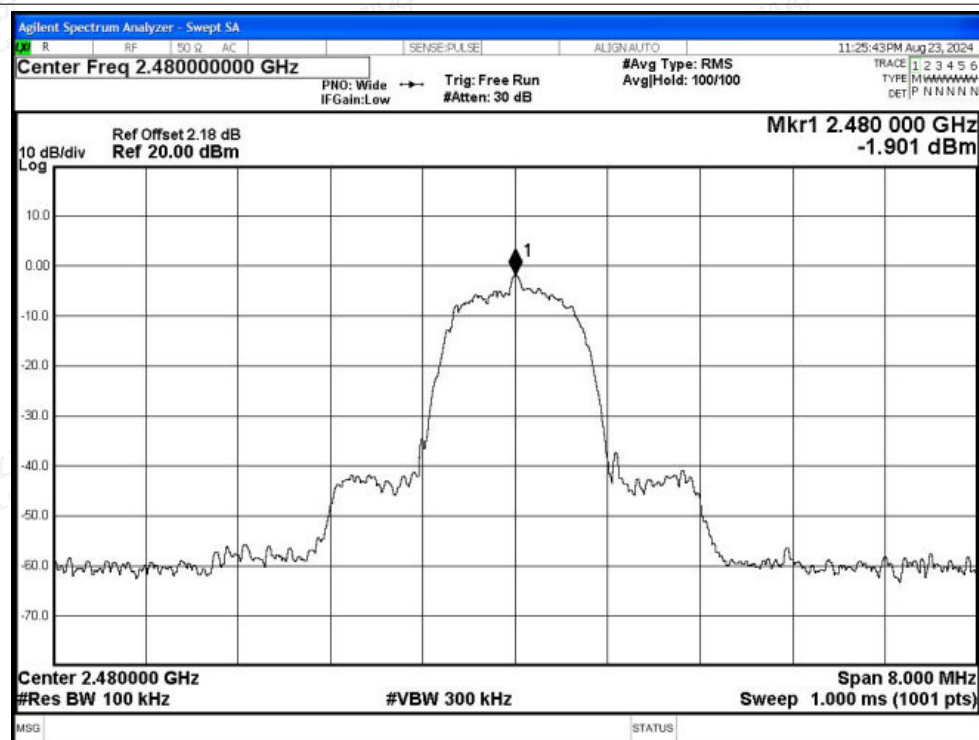


## Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

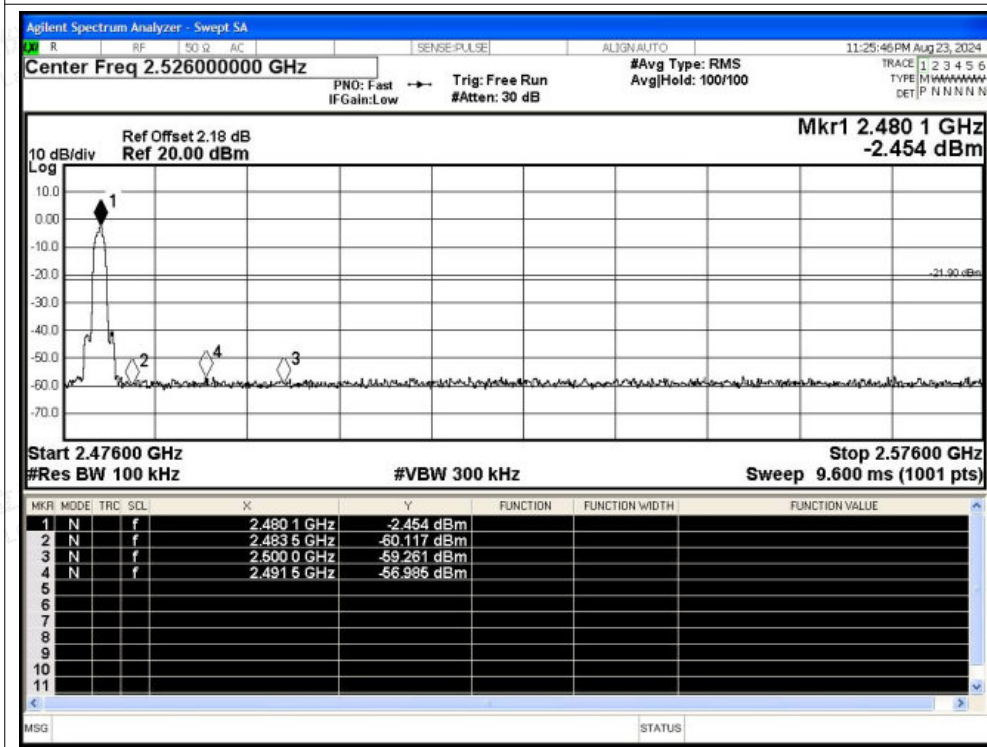




## Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

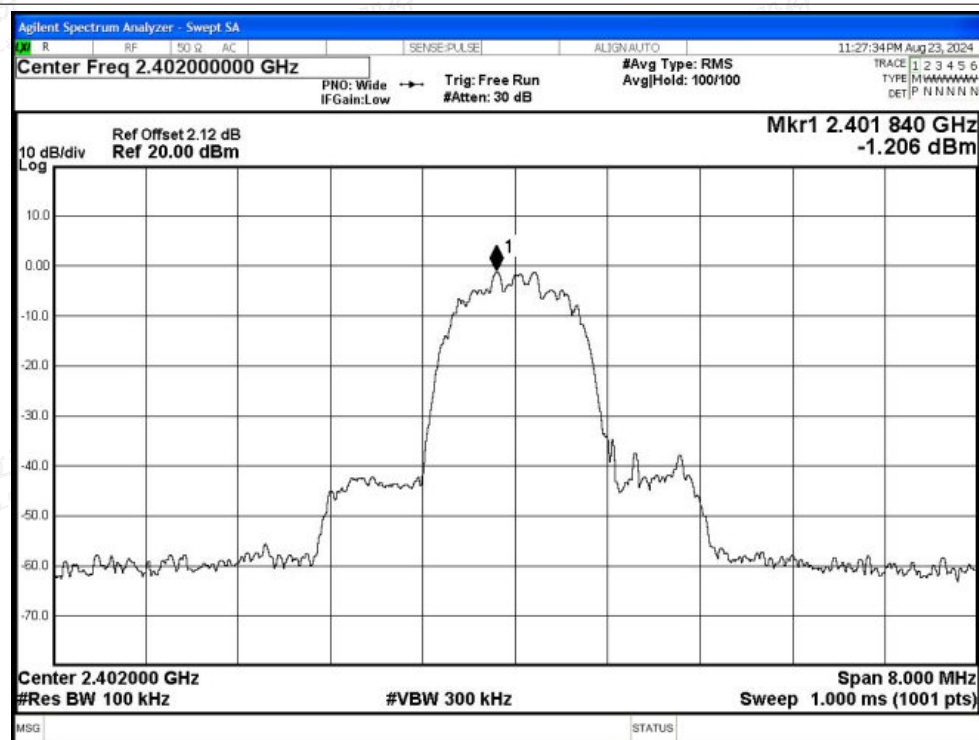


## Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

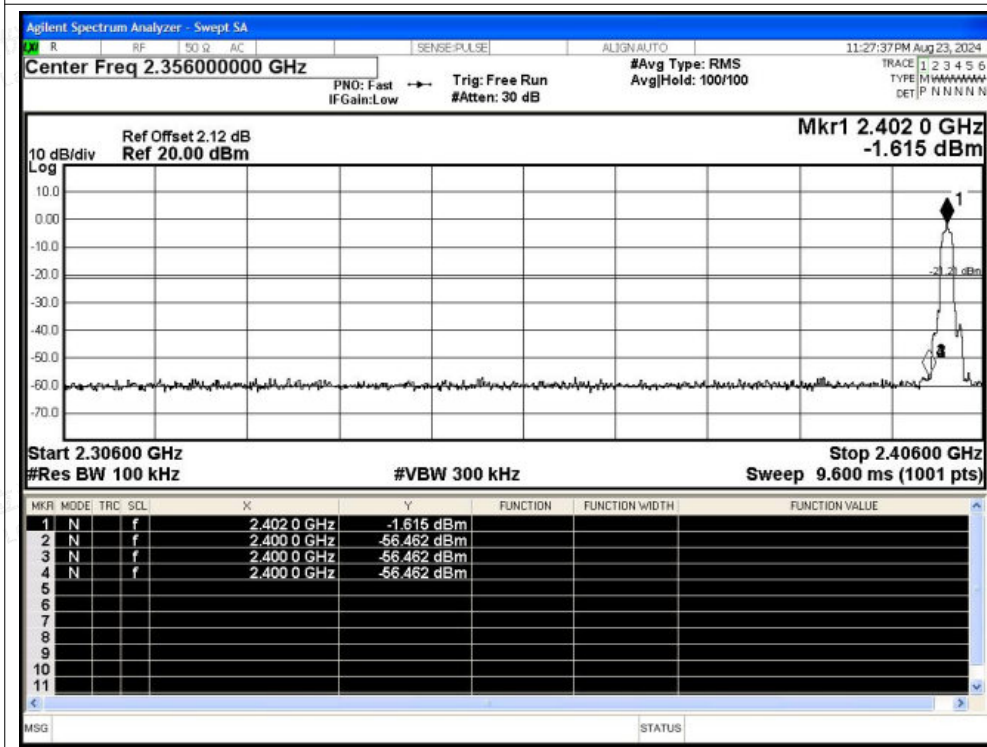




## Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

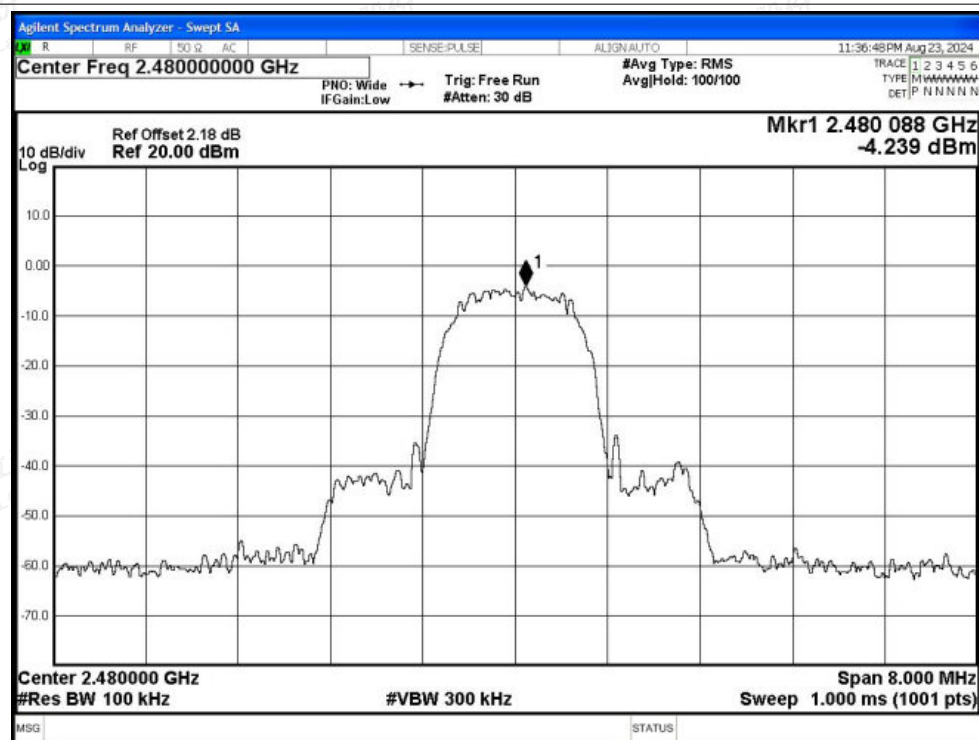


## Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

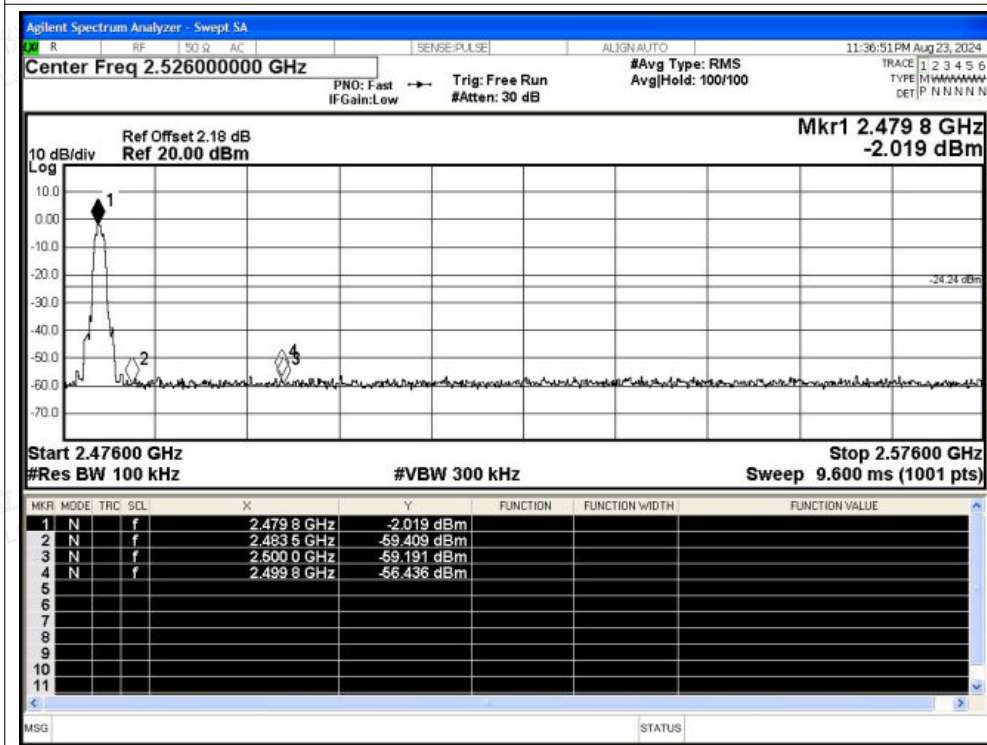




## Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



## Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission



**(Hopping)**

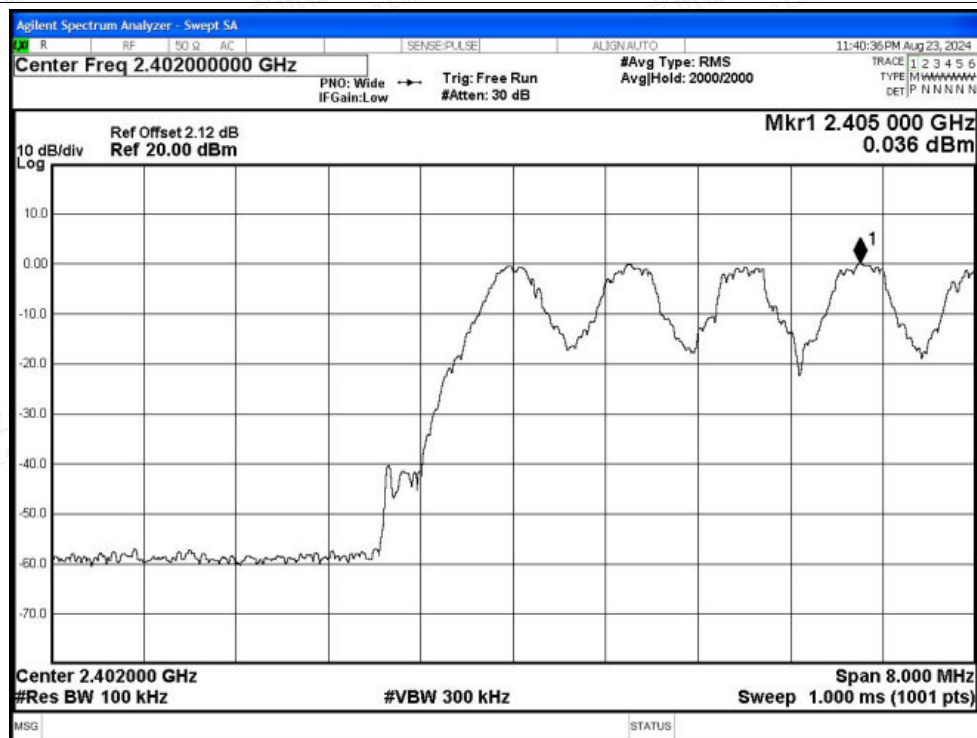
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | Hopping      | -55.86          | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | Hopping      | -54.61          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | Hopping      | -54.82          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | Hopping      | -53.59          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | Hopping      | -55.48          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | Hopping      | -53.15          | -20         | Pass    |



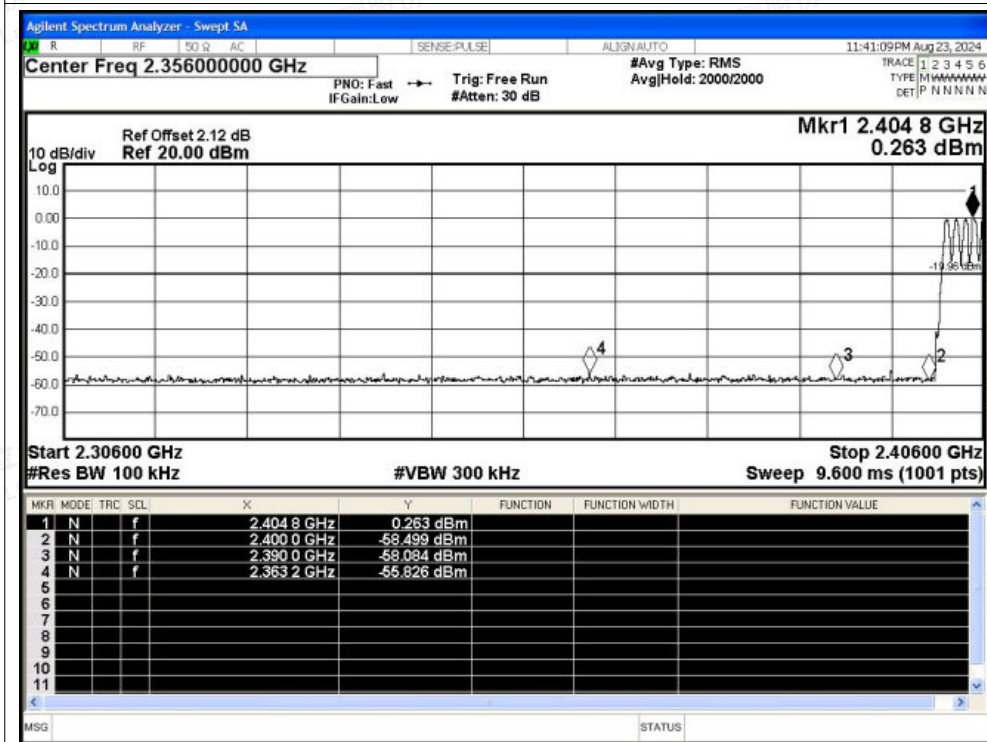


## Test Graphs

## Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref

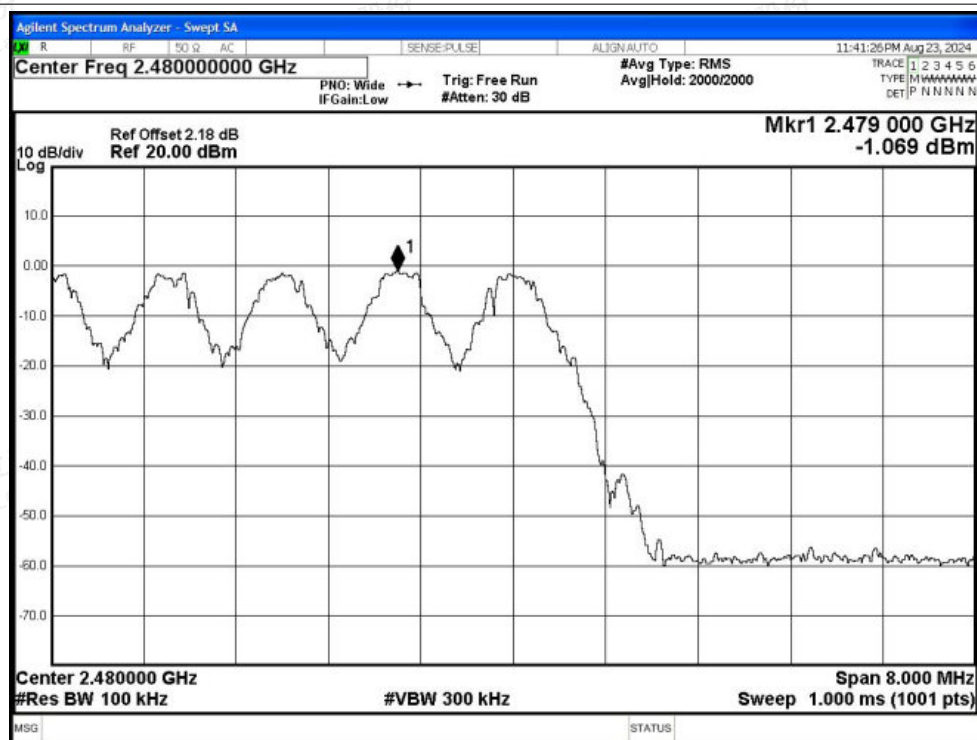


## Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

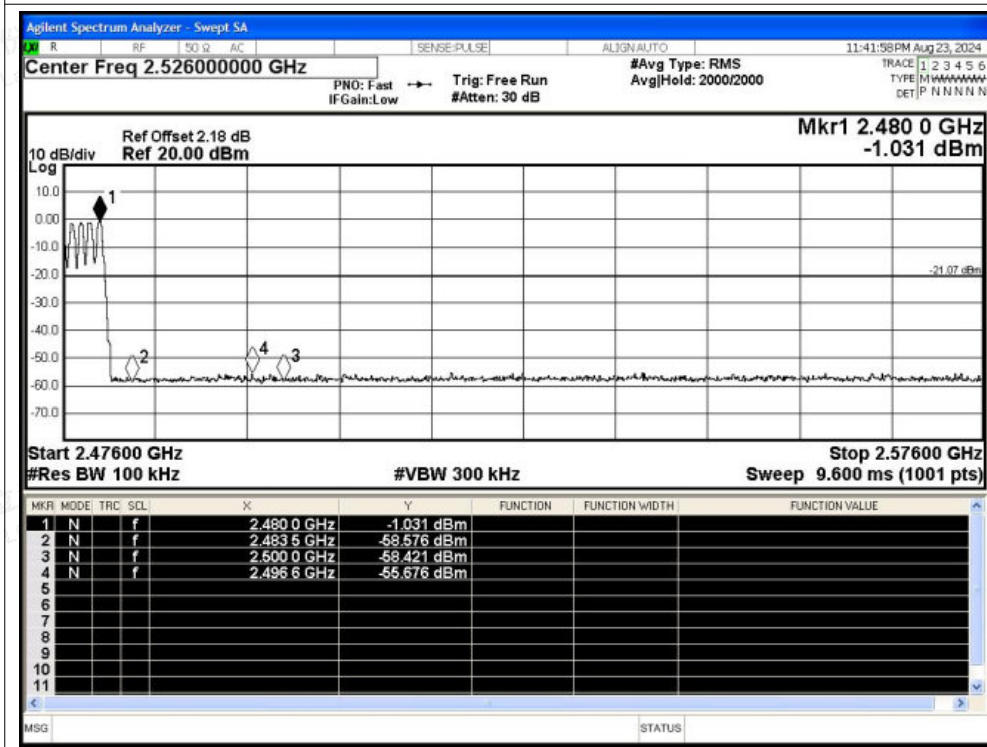




## Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

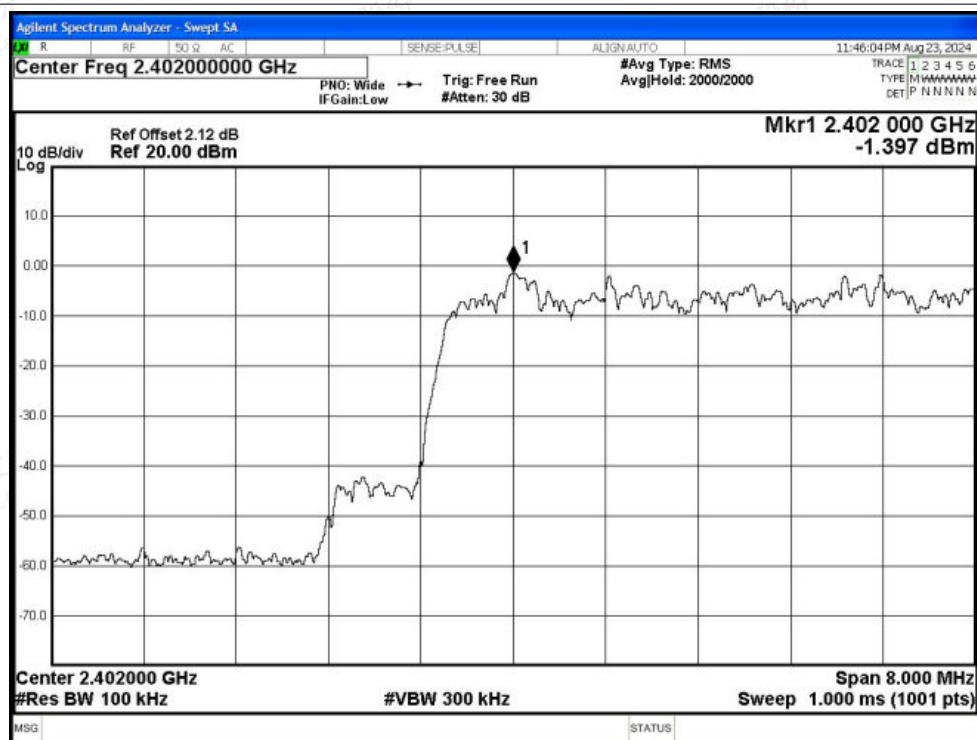


## Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

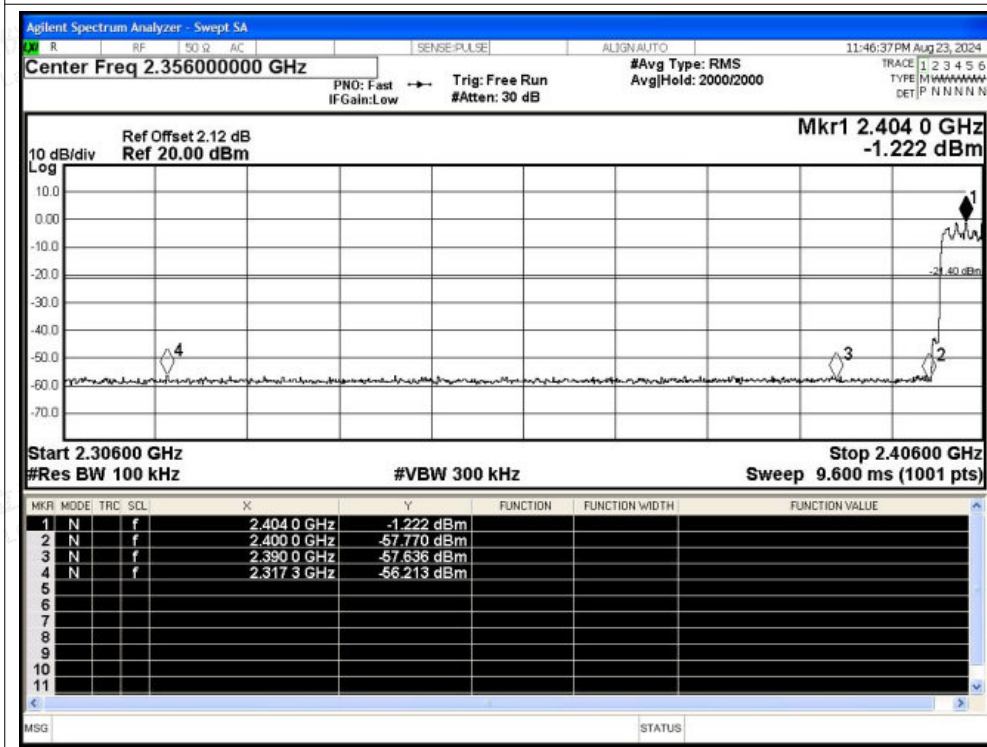




## Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



## Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission





## Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



## Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission

