



## Appendix A

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

Product Name: myFirst Fone R2

Test Model: KW1306

#### Environmental Conditions

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



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## A.1 -20dB Bandwidth

| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 1.036                  | N/A                          | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 1.006                  | N/A                          | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | 0.982                  | N/A                          | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | 1.321                  | N/A                          | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 1.285                  | N/A                          | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | 1.283                  | N/A                          | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | 1.3                    | N/A                          | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 1.3                    | N/A                          | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | 1.29                   | N/A                          | Pass    |



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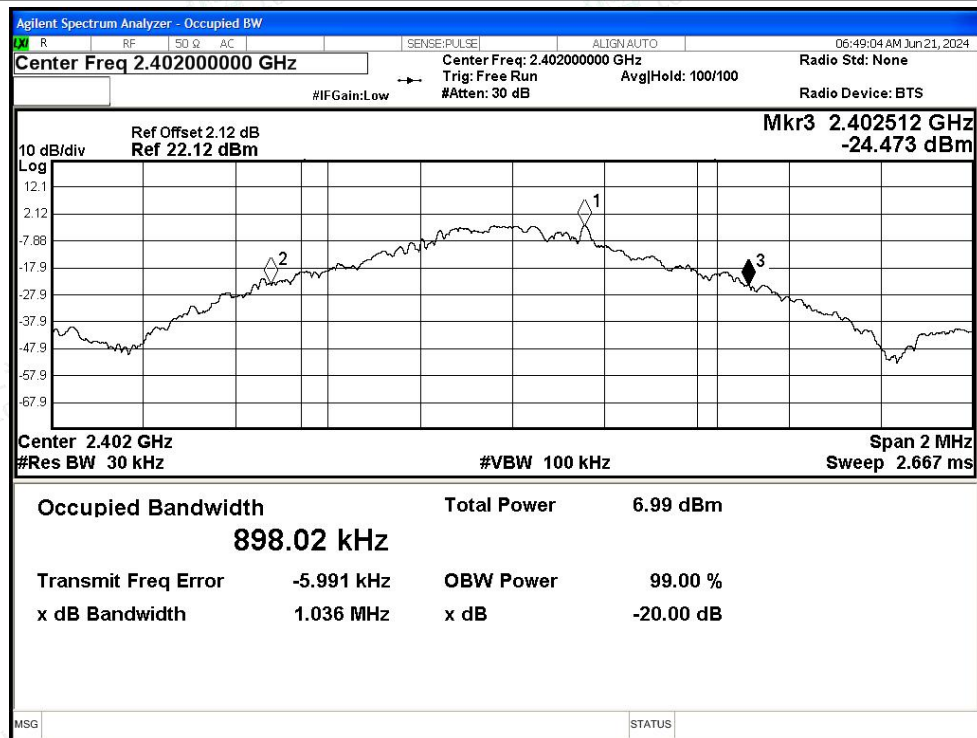
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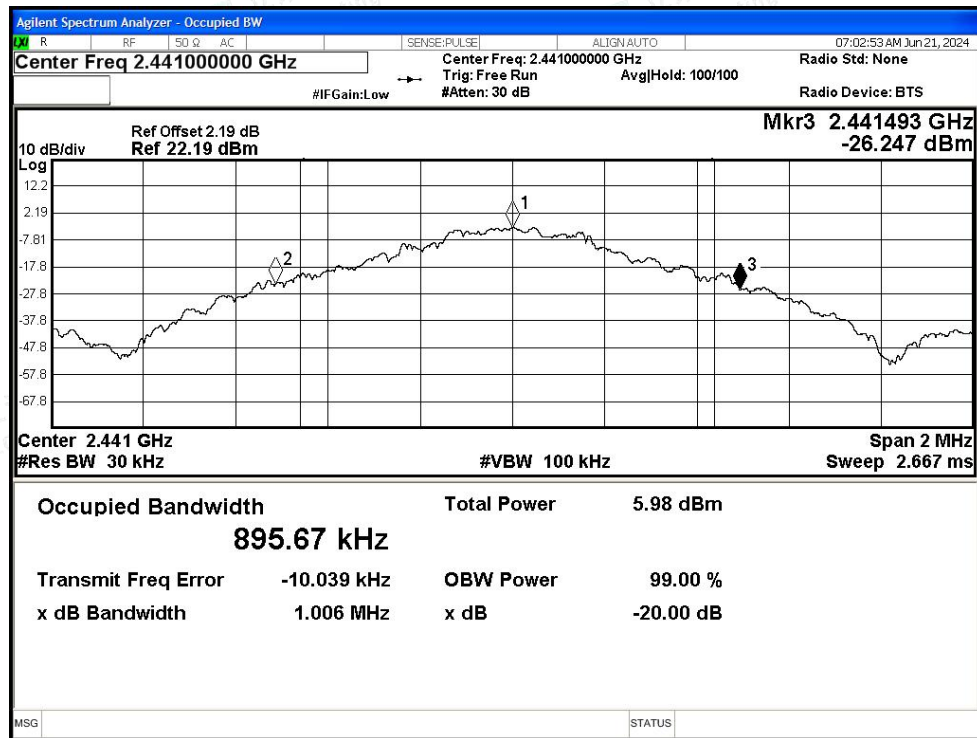


## Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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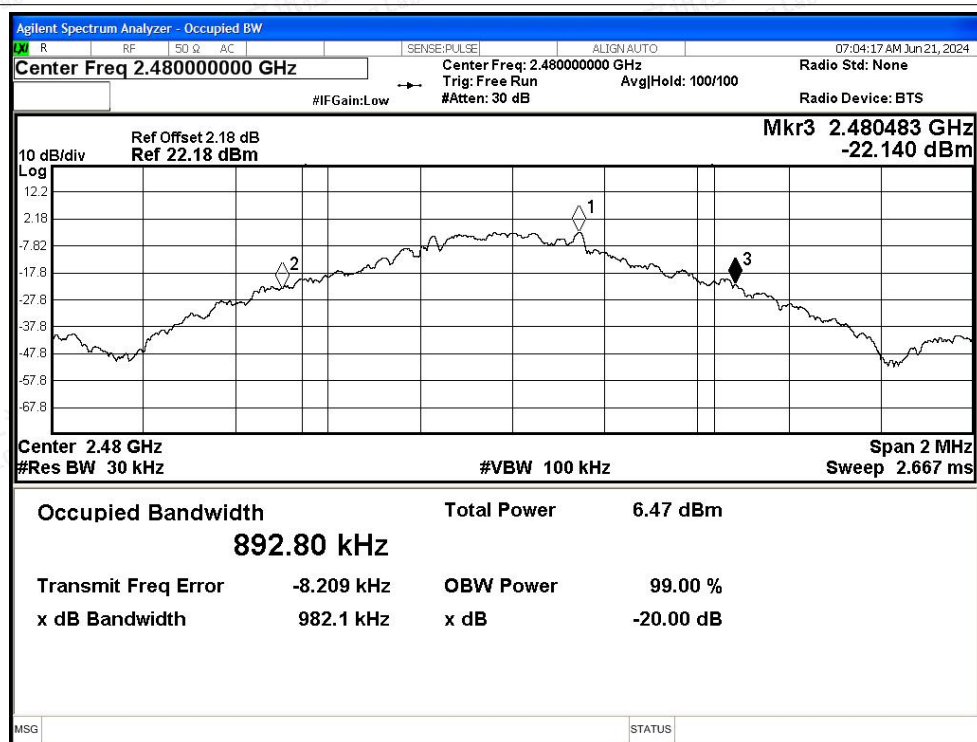
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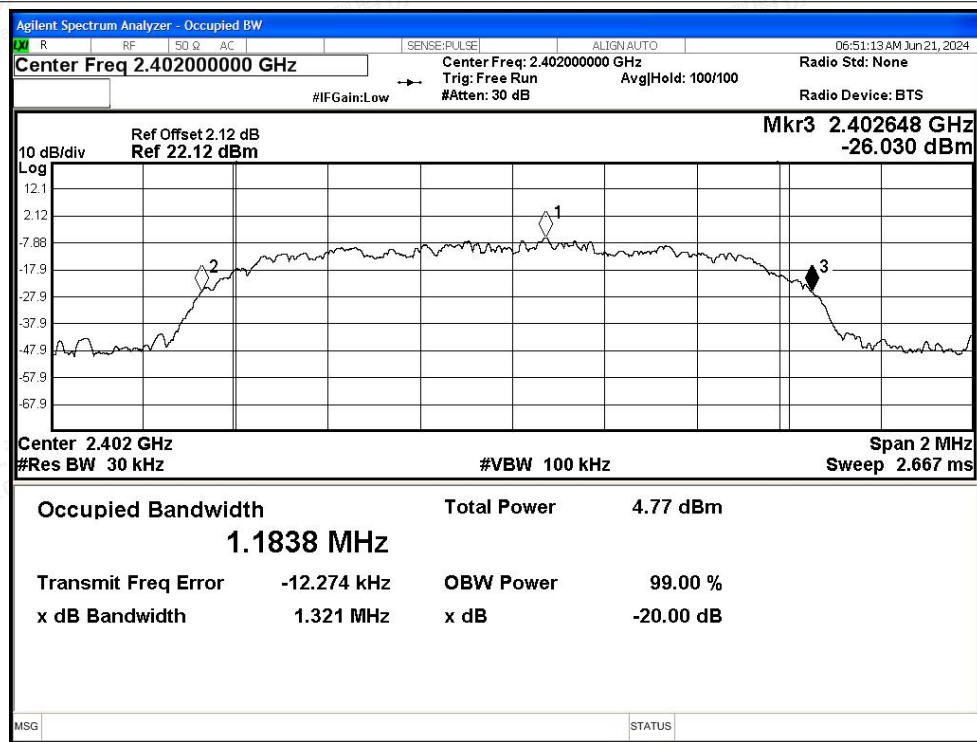
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## -20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



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



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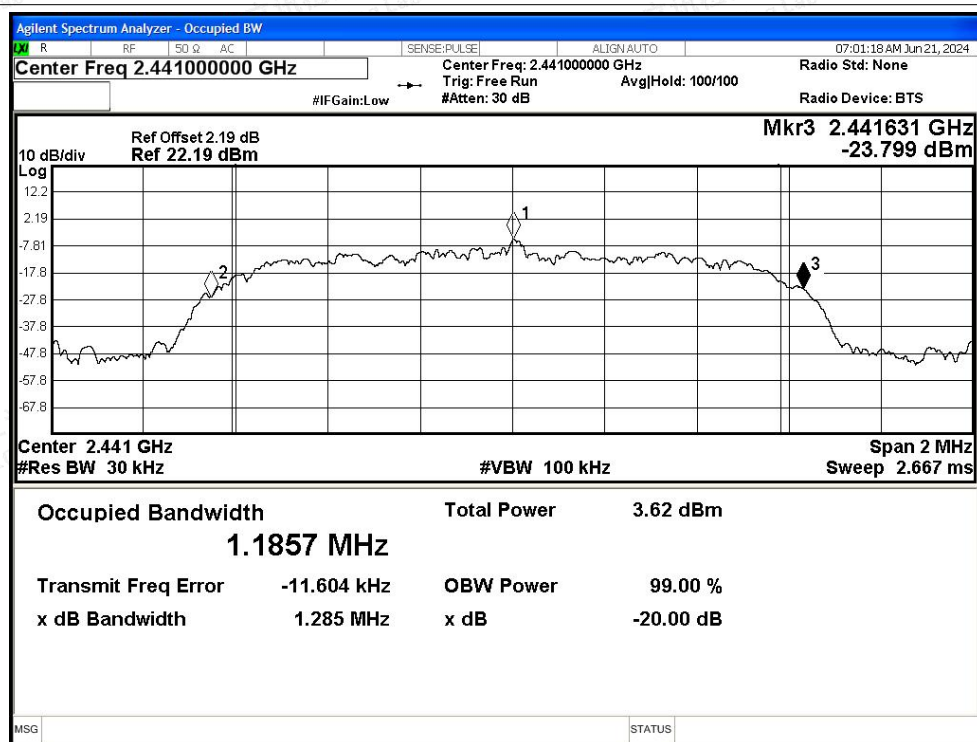
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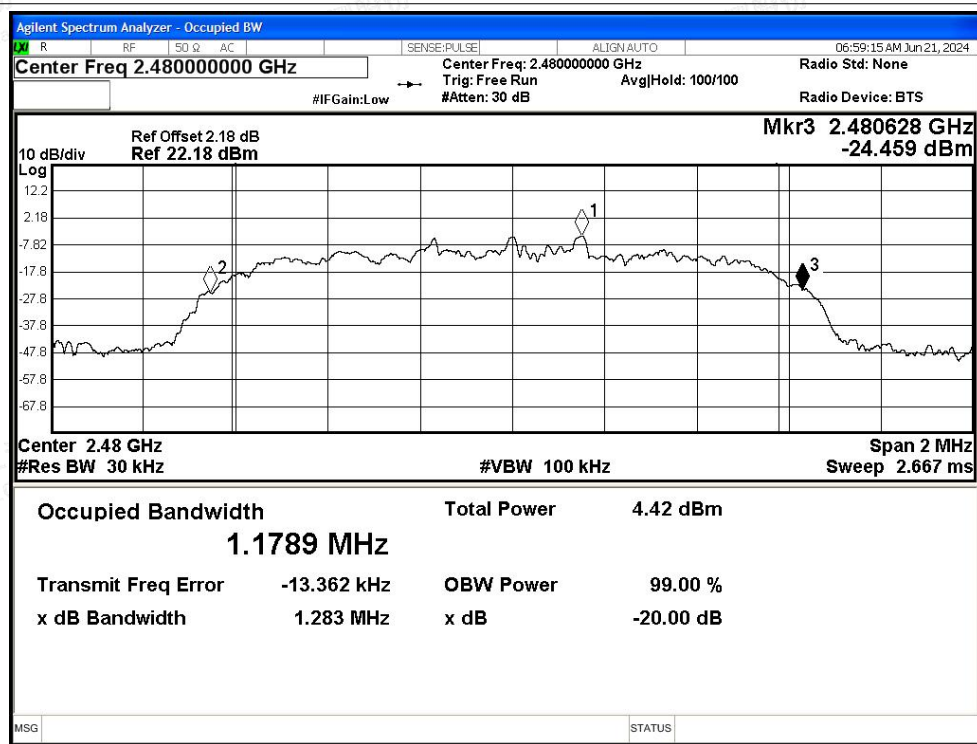
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-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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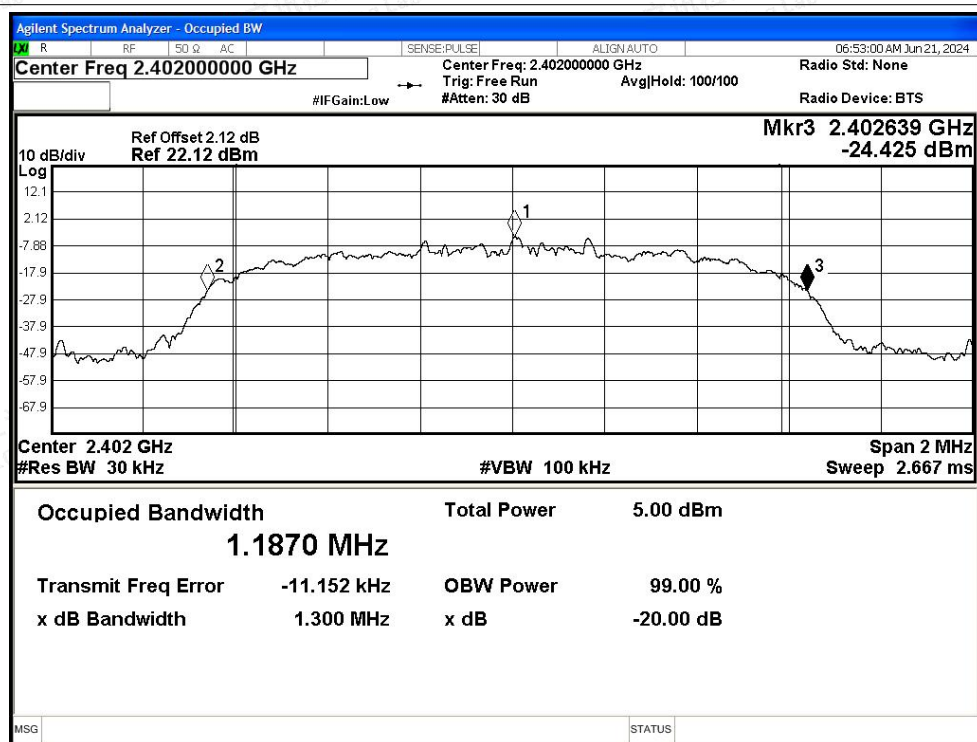
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

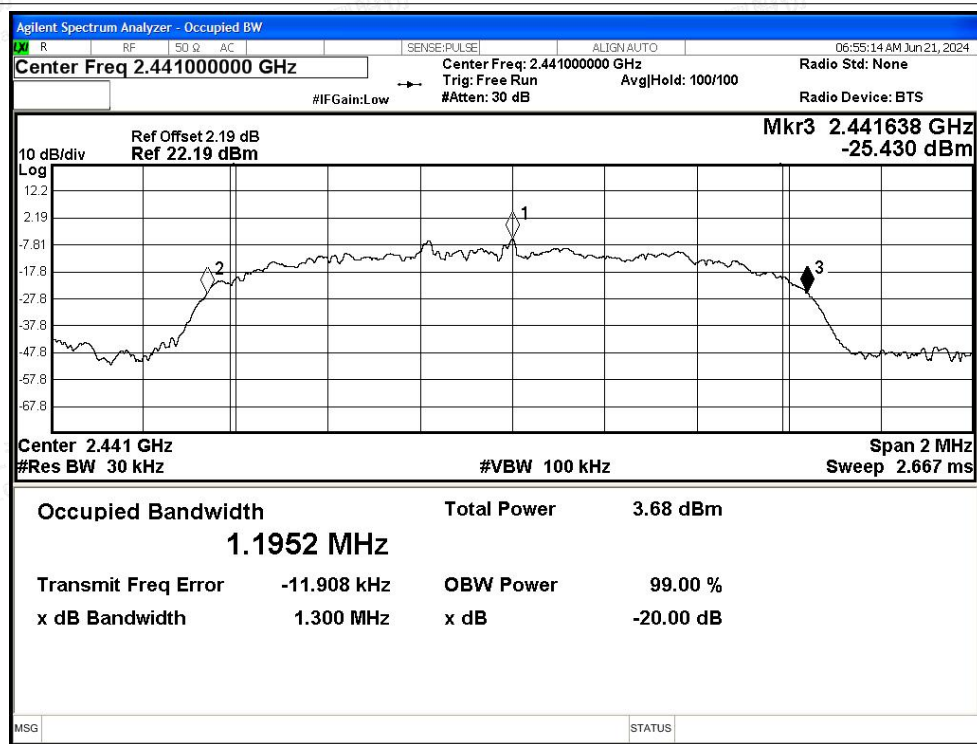
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-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

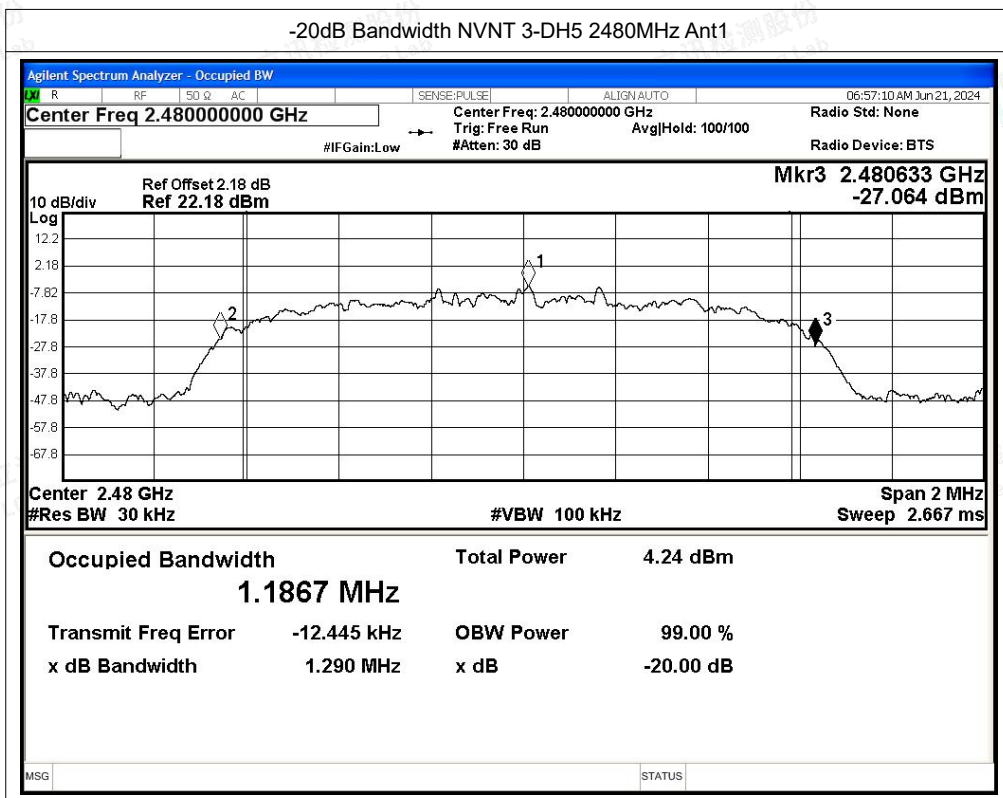


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## A.2 Maximum Peak Conducted Output Power

| Condition | Mode  | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|-------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 0.65                  | 21          | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | -0.31                 | 21          | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | -0.02                 | 21          | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | 0.41                  | 21          | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | -0.53                 | 21          | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | -0.22                 | 21          | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | 0.49                  | 21          | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | -0.46                 | 21          | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | -0.13                 | 21          | Pass    |



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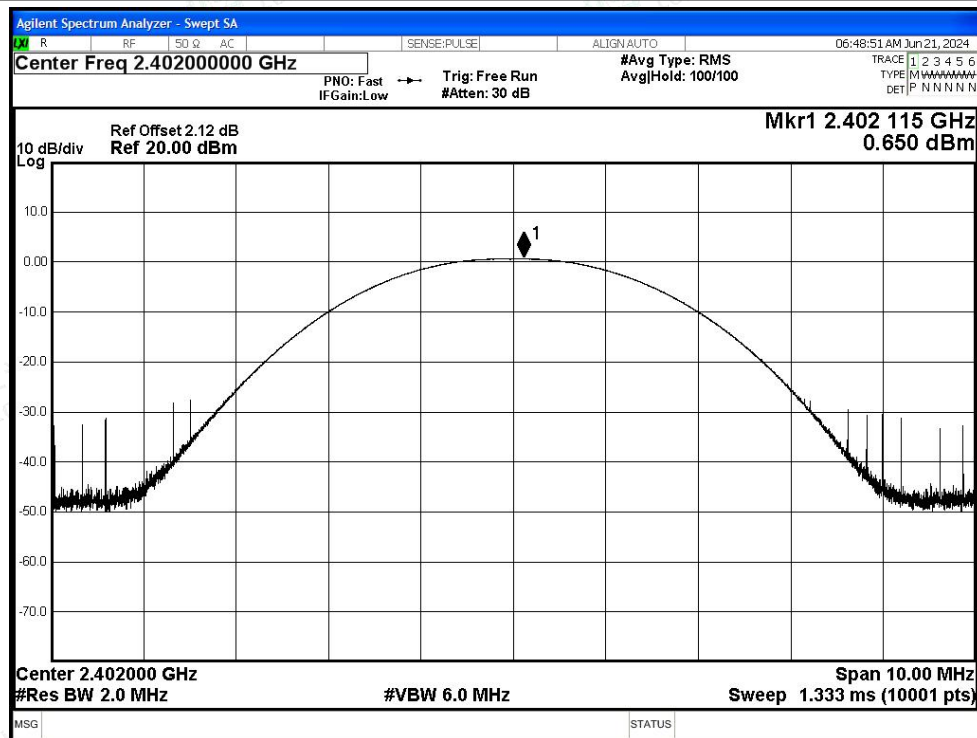
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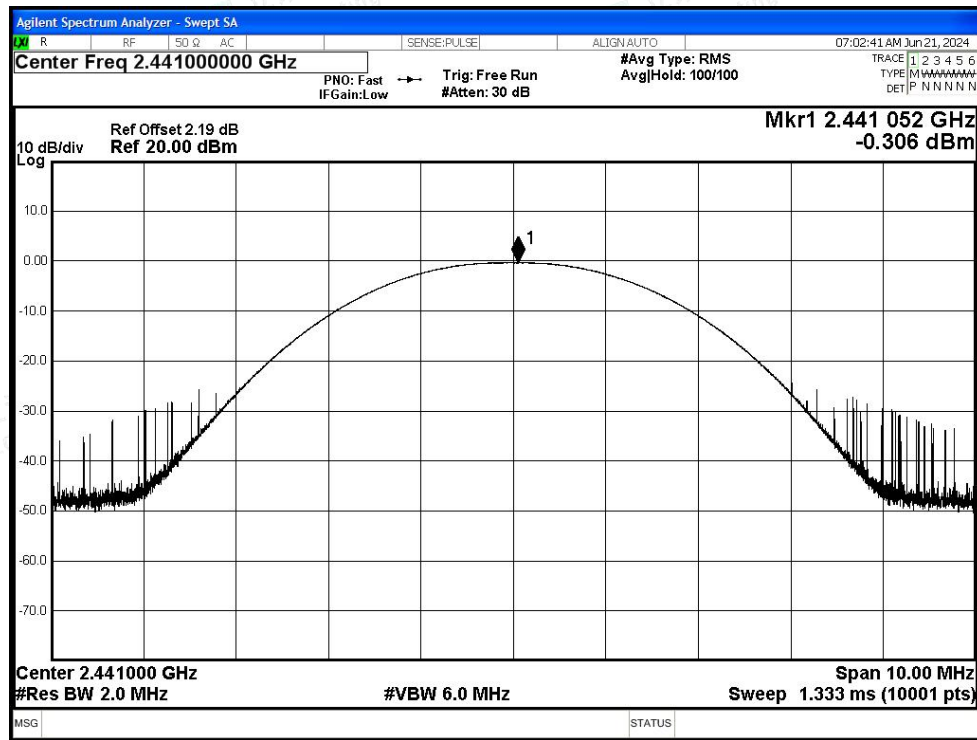


## Test Graphs

Power NVNT 1-DH5 2402MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1



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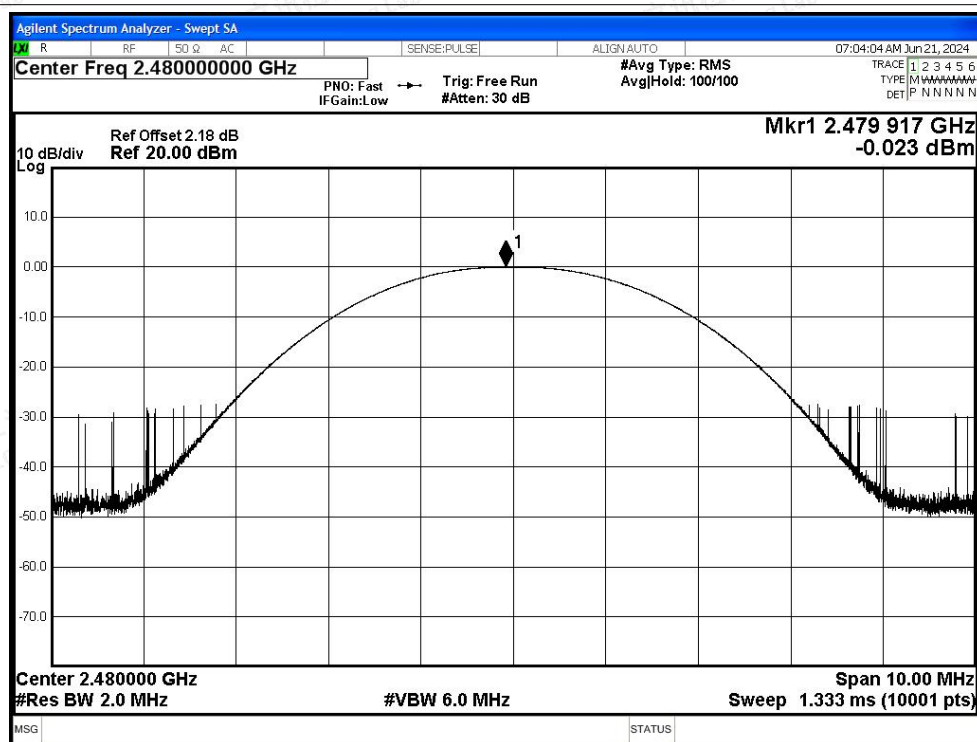
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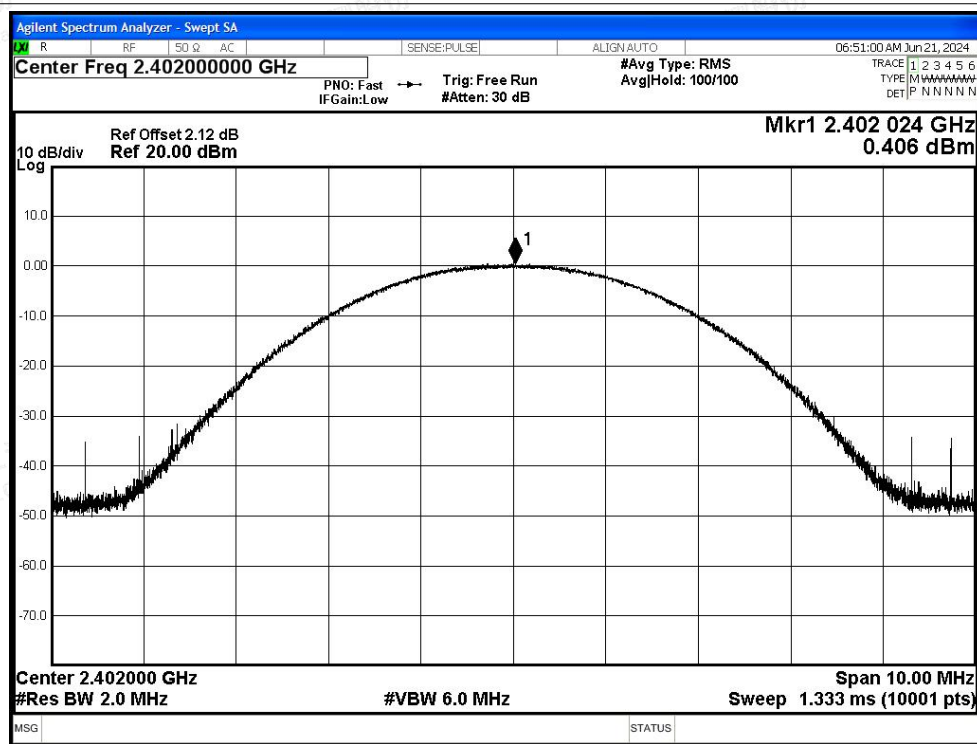
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## Power NVNT 1-DH5 2480MHz Ant1



## Power NVNT 2-DH5 2402MHz Ant1



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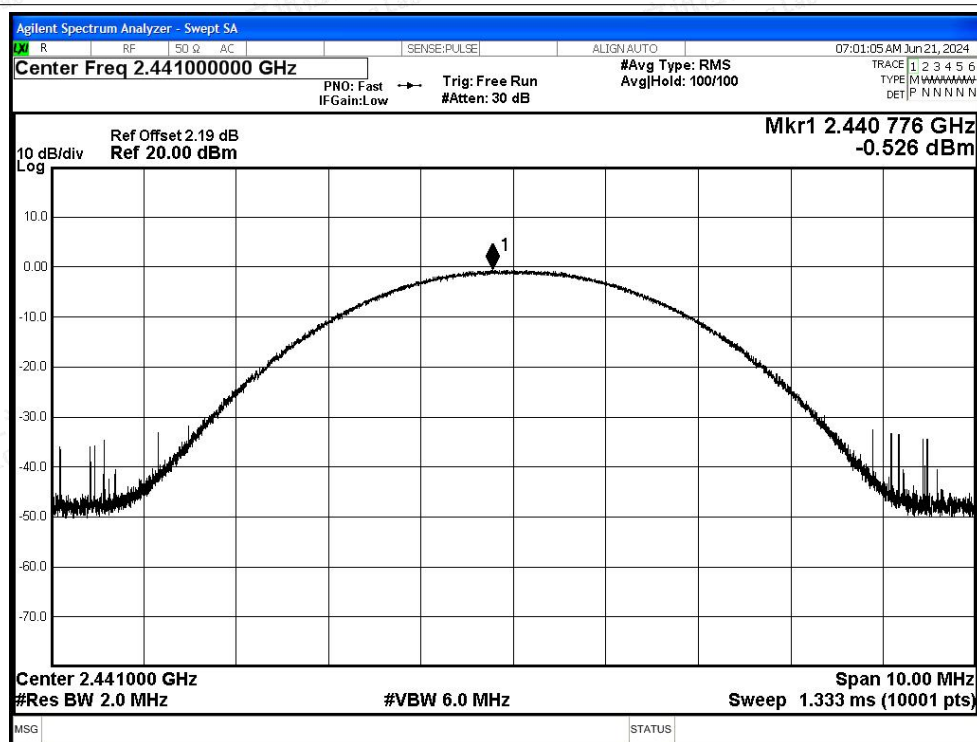
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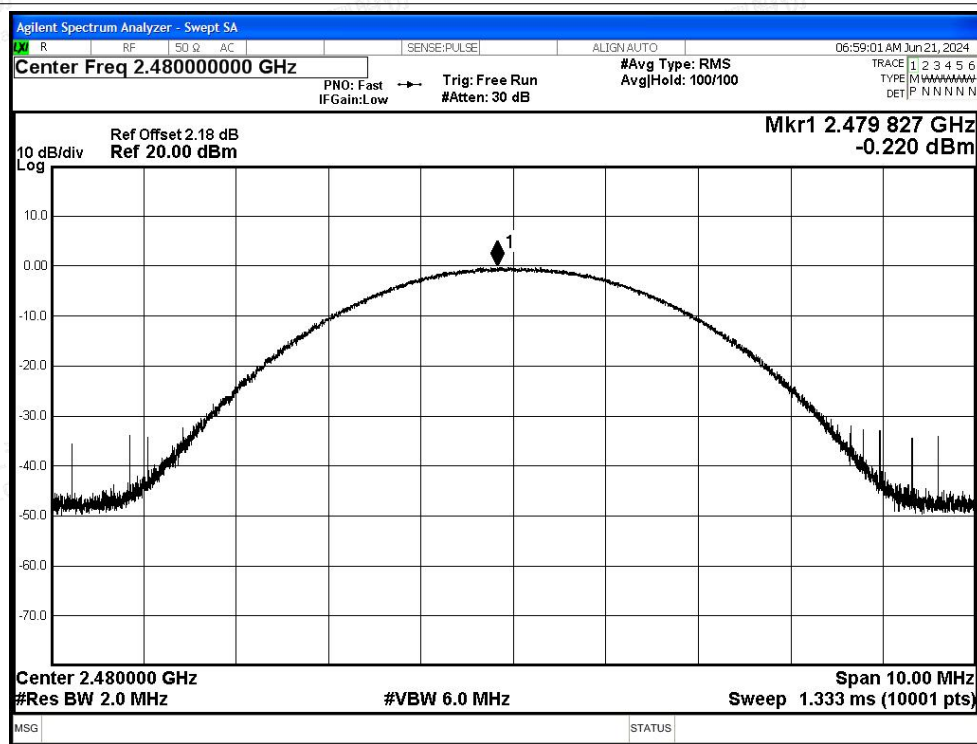
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## Power NVNT 2-DH5 2441MHz Ant1



## Power NVNT 2-DH5 2480MHz Ant1



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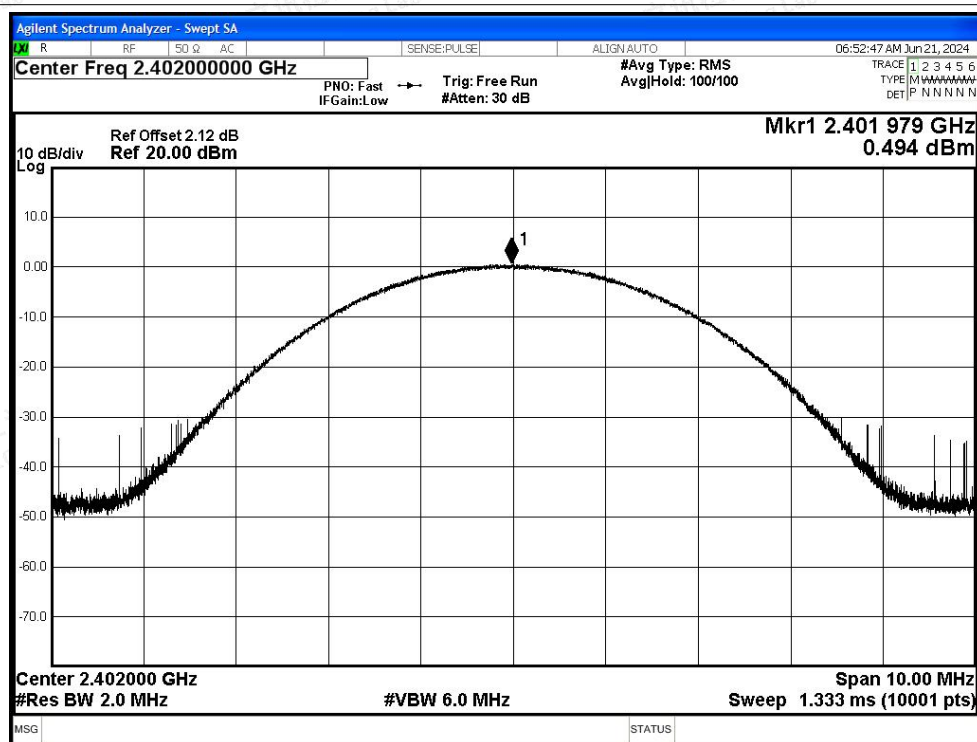
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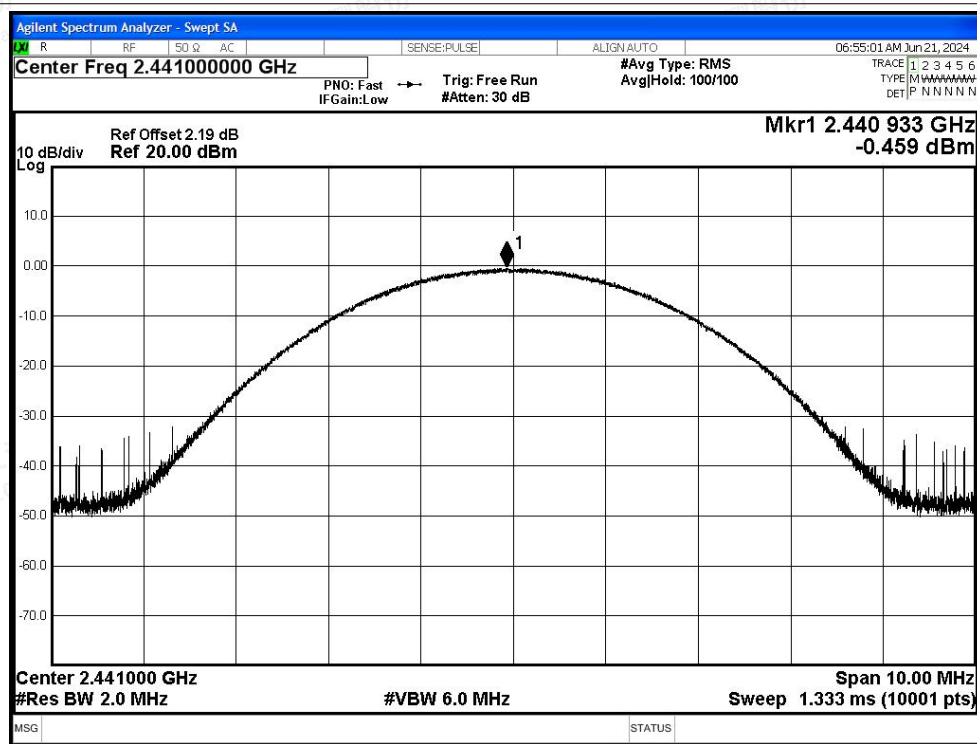
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## Power NVNT 3-DH5 2402MHz Ant1



## Power NVNT 3-DH5 2441MHz Ant1

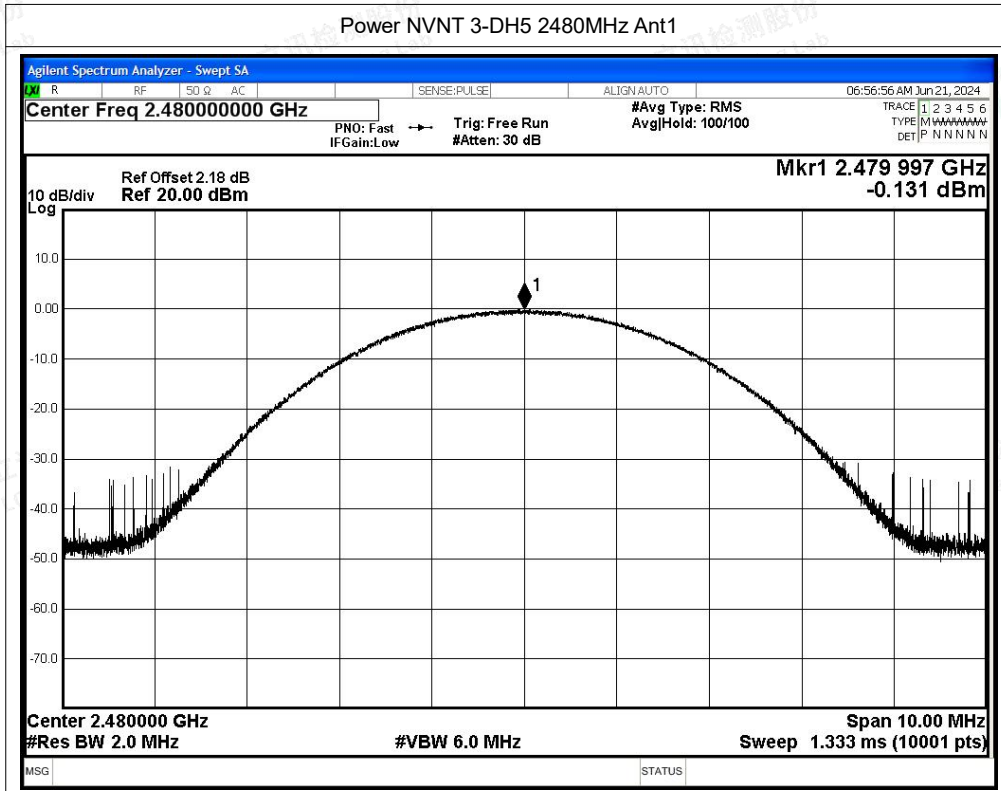


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### A.3 Carrier Frequencies Separation

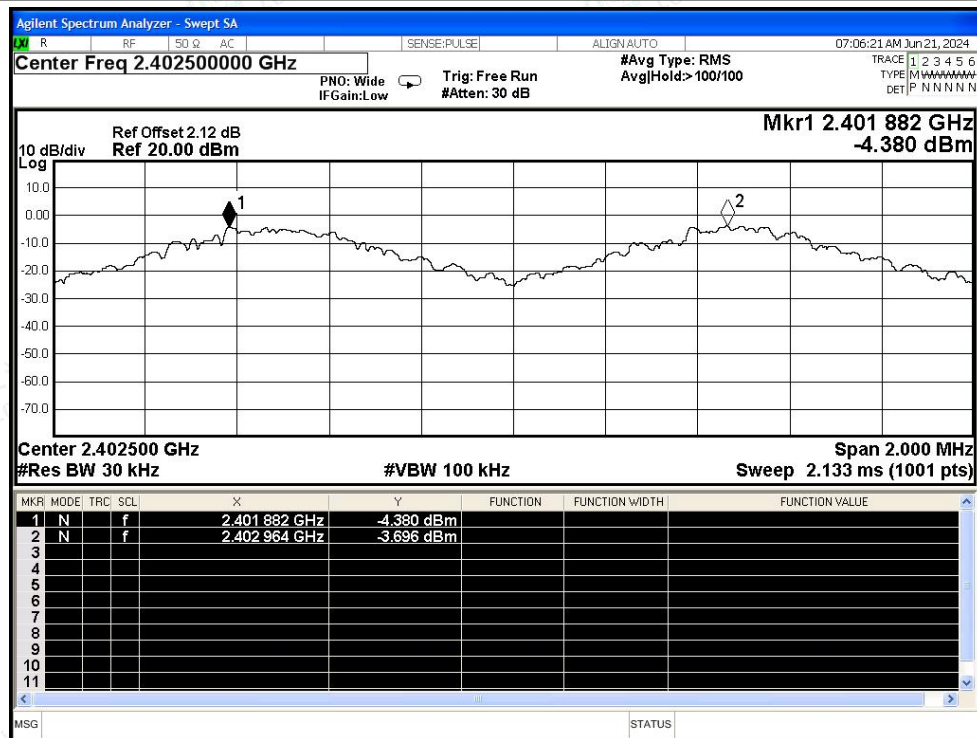
| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH5 | Ant1    | 2401.882            | 2402.964            | 1.082     | 0.691       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2401.832            | 2403.156            | 1.324     | 0.881       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2402.138            | 2403.15             | 1.012     | 0.867       | Pass    |



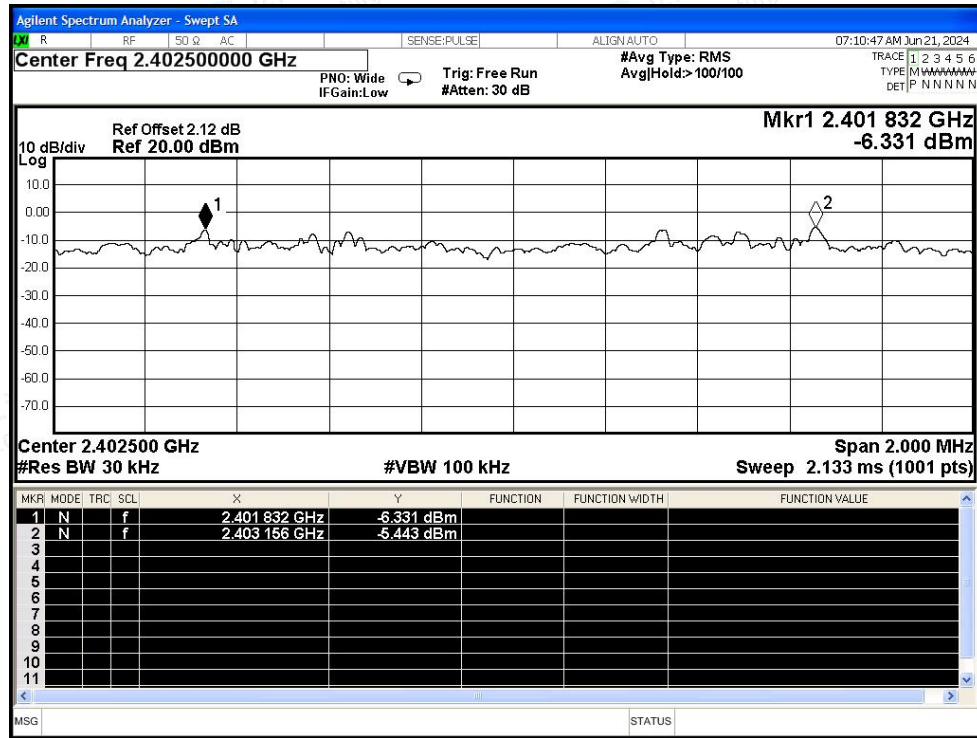


## Test Graphs

## CFS NVNT 1-DH5 2402MHz Ant1



## CFS NVNT 2-DH5 2402MHz Ant1



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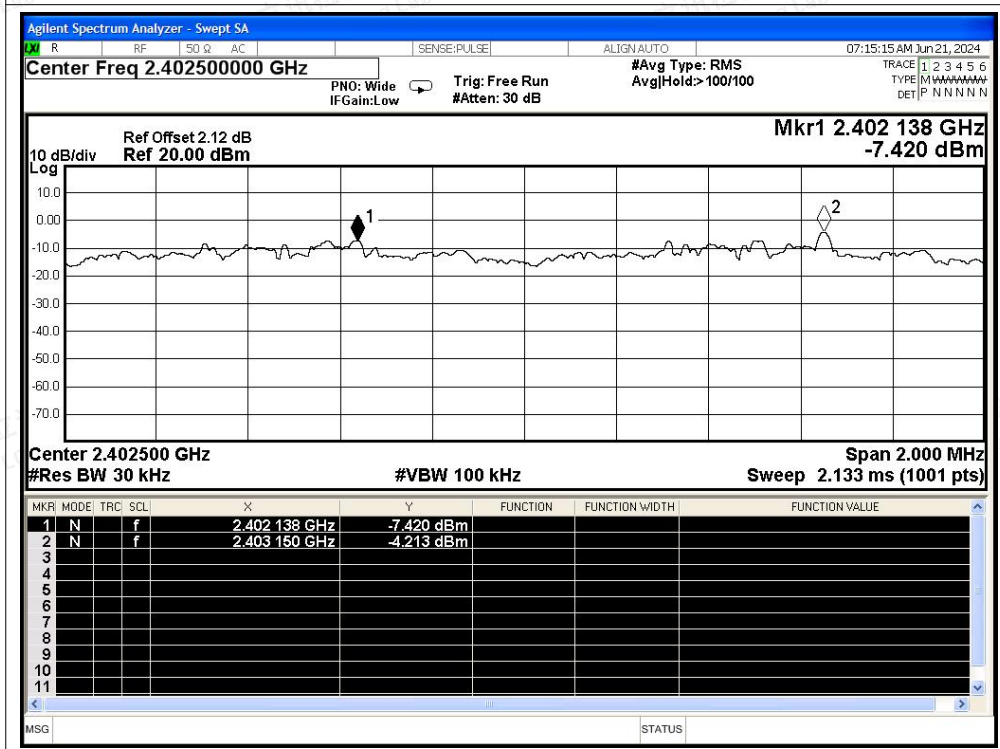
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CFS NVNT 3-DH5 2402MHz Ant1



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## 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    | 2.882              | 276.672                  | 96             | 31600               | 400           | Pass    |
| NVNT      | 2-DH5 | 2402               | Ant1    | 2.881              | 331.315                  | 115            | 31600               | 400           | Pass    |
| NVNT      | 3-DH5 | 2402               | Ant1    | 2.887              | 306.022                  | 106            | 31600               | 400           | Pass    |

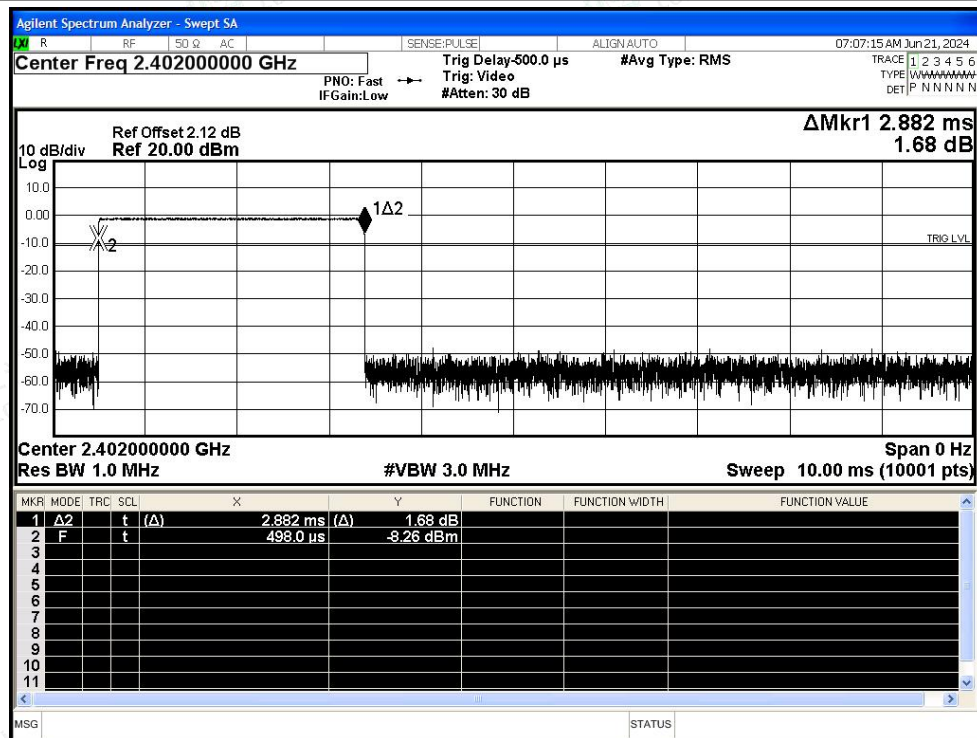


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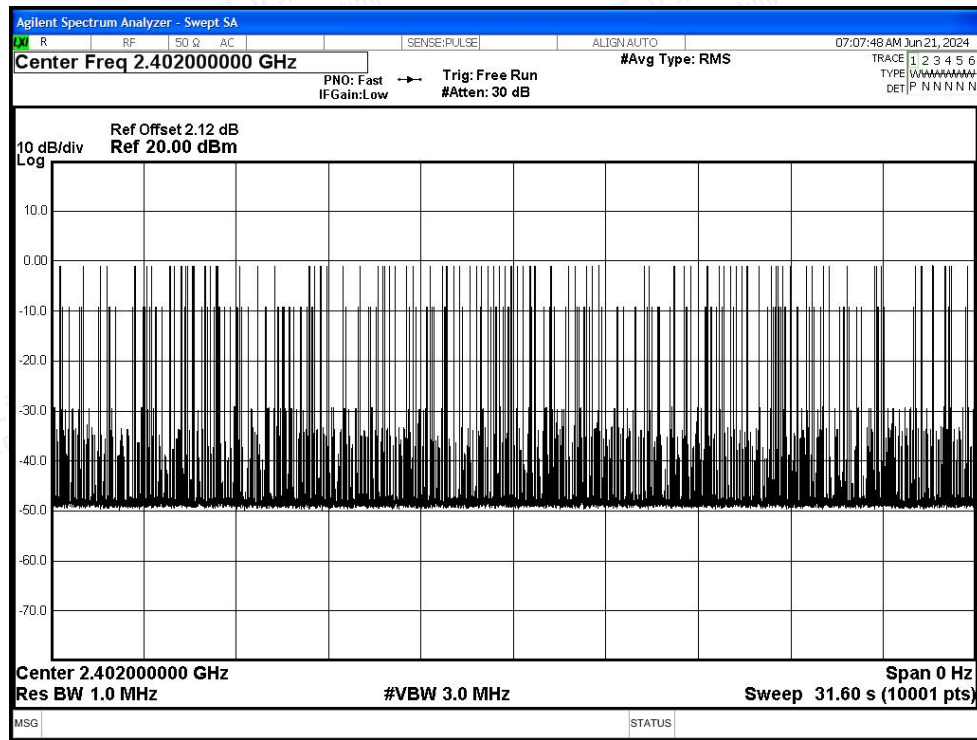


## Test Graphs

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



## Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



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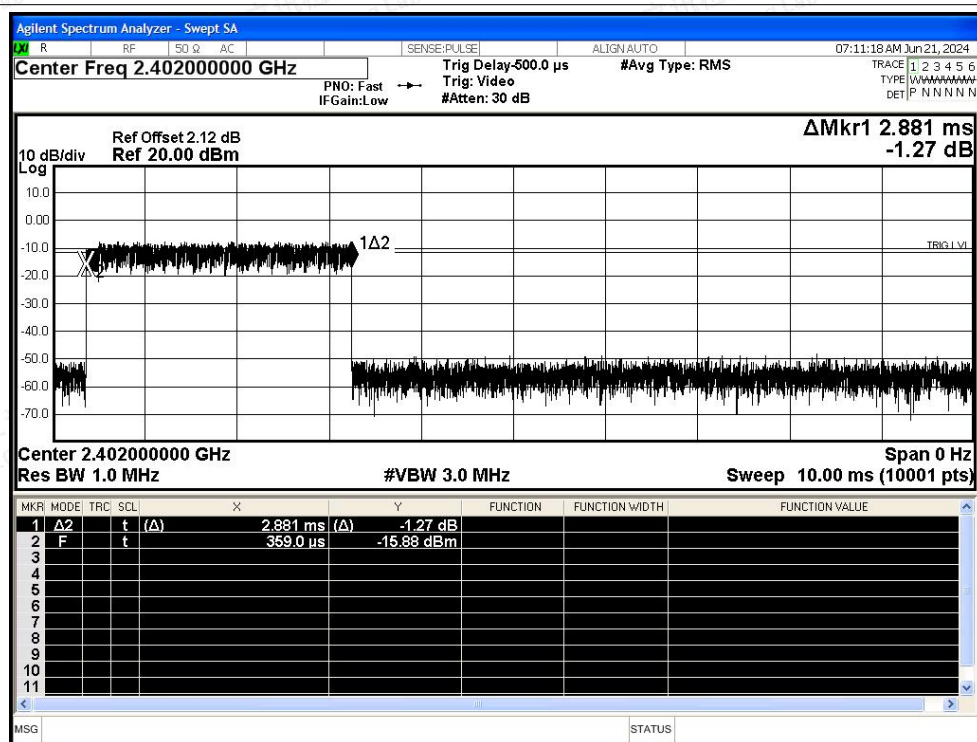
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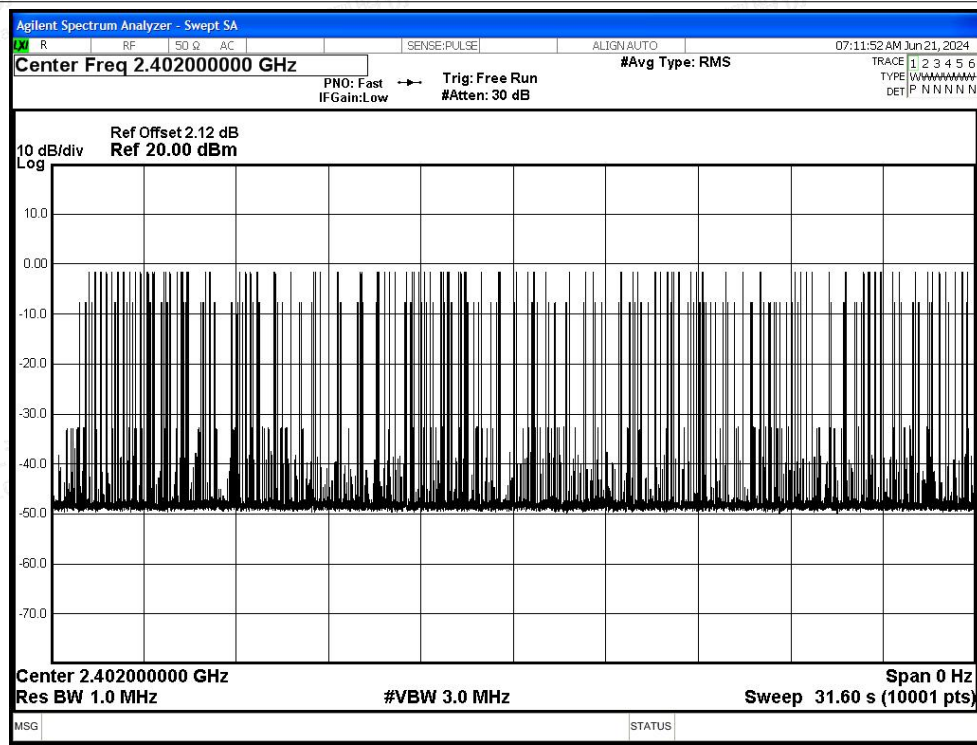
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## Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



## Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



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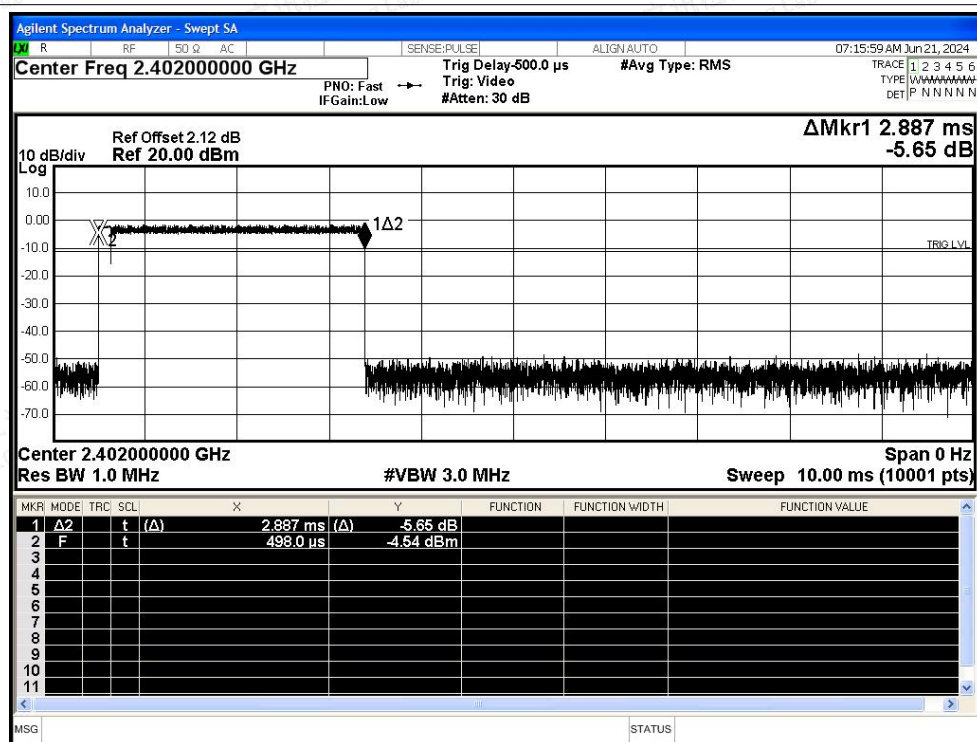
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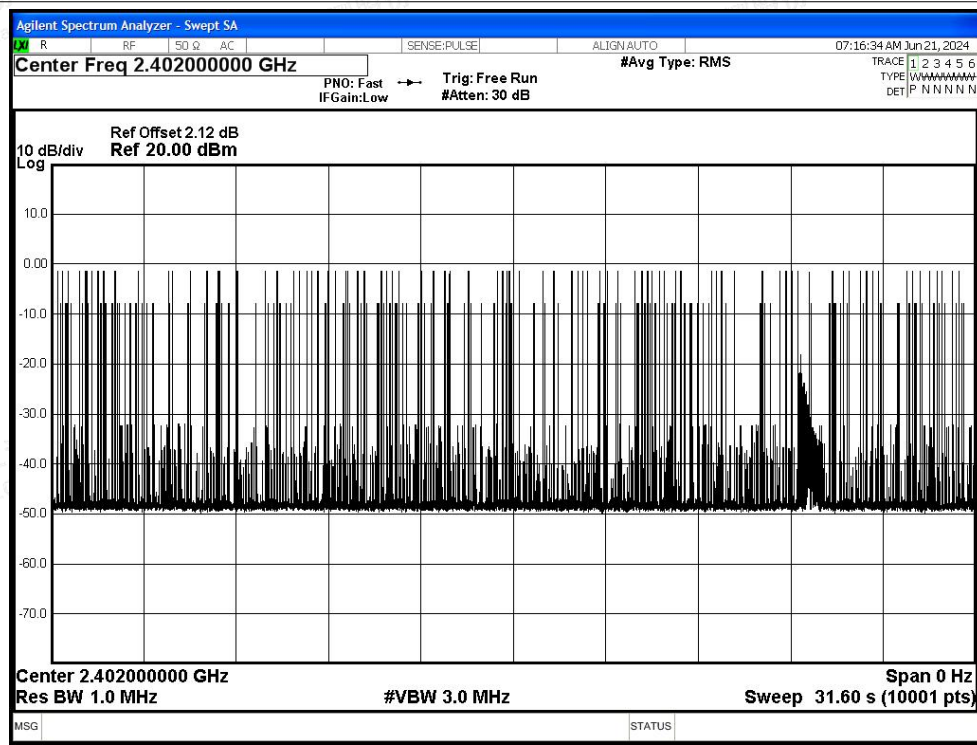
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## Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



## Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



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## A.5 Number of Hopping Channel

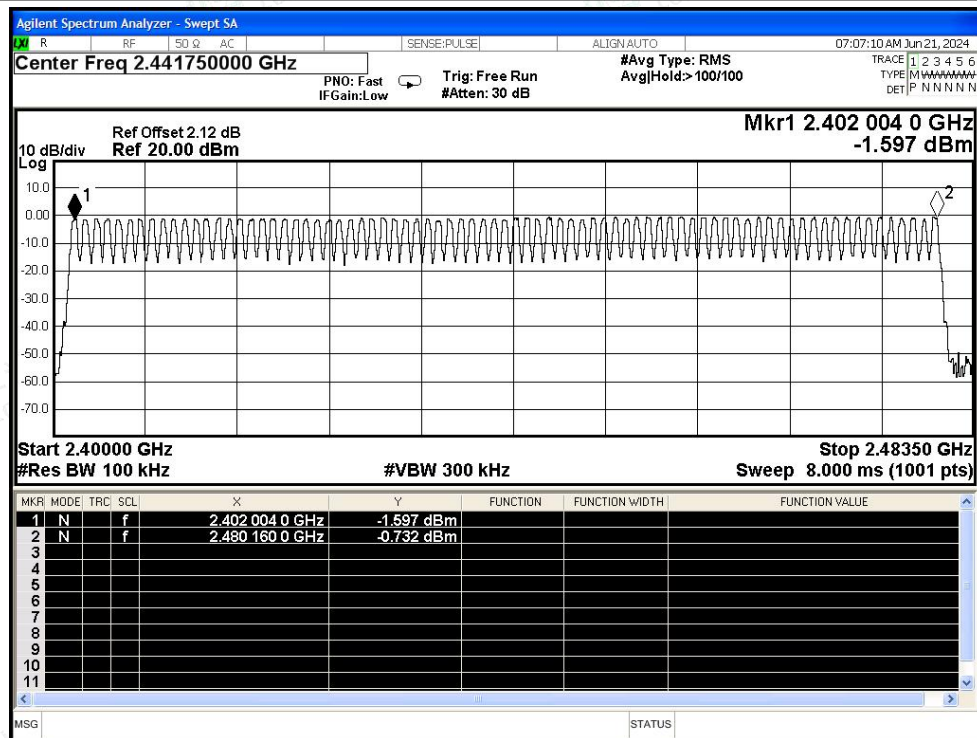
| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH5 | Ant1    | 79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



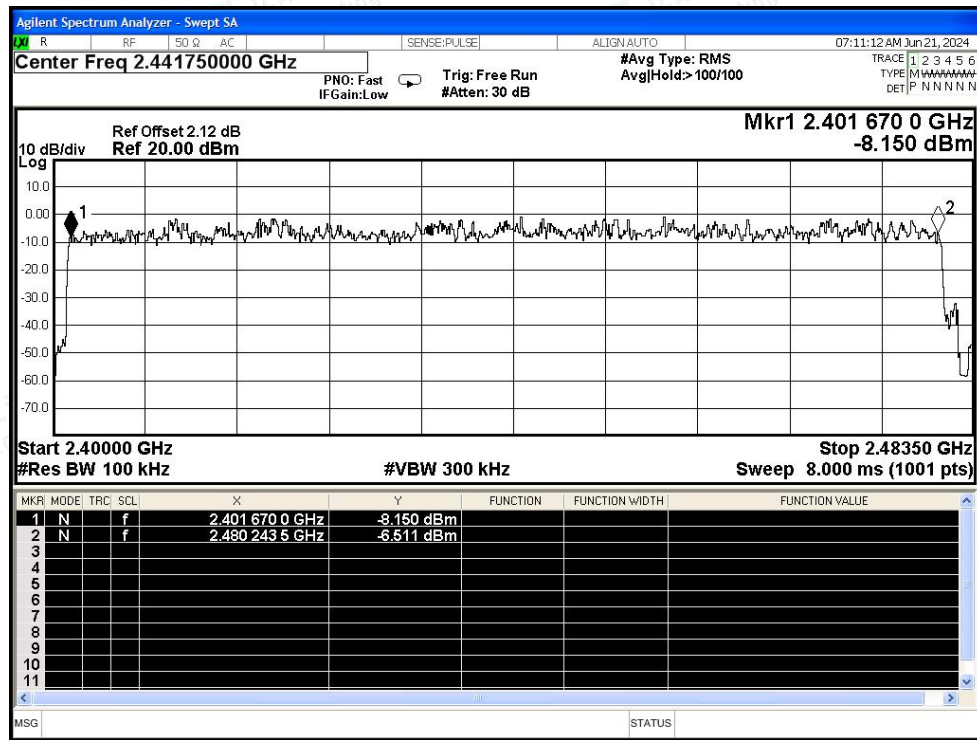


## Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



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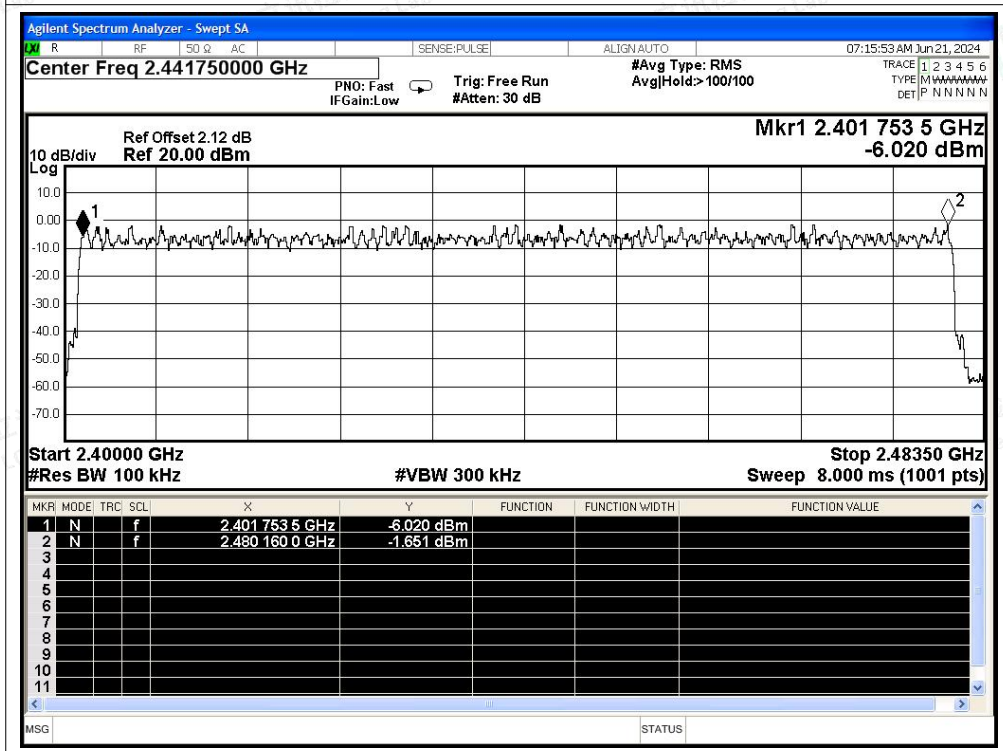
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Hopping No. NVNT 3-DH5 2402MHz Ant1



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## A.6 Band Edge

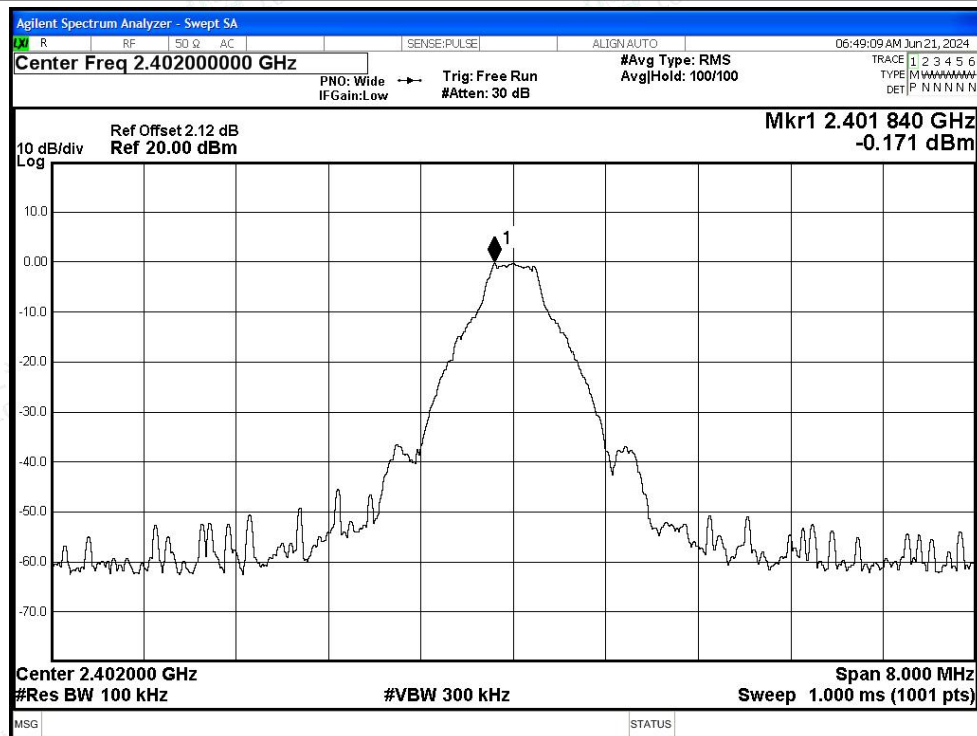
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | -52.22          | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | -52.06          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | -52.84          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | -51.97          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | -50.82          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | -54.47          | -20         | Pass    |



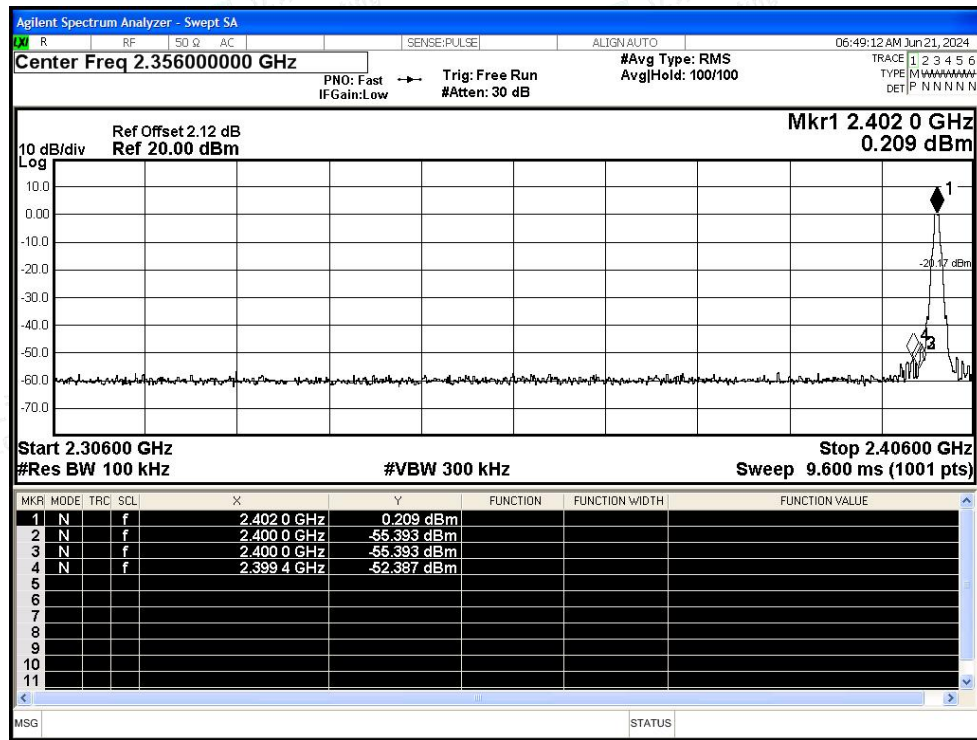


## Test Graphs

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



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



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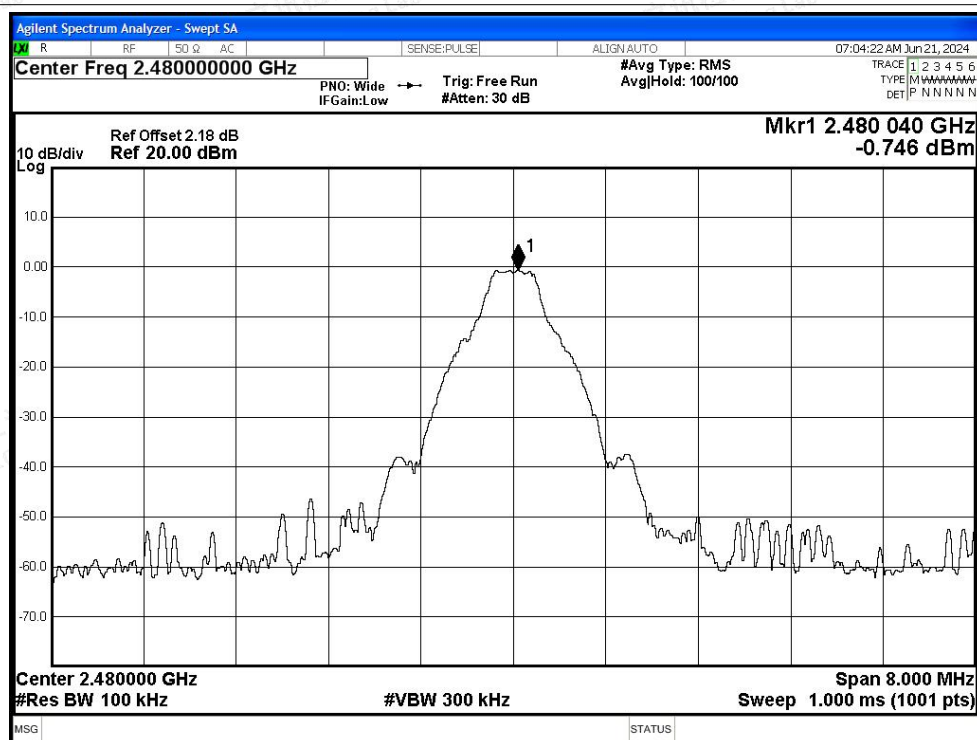
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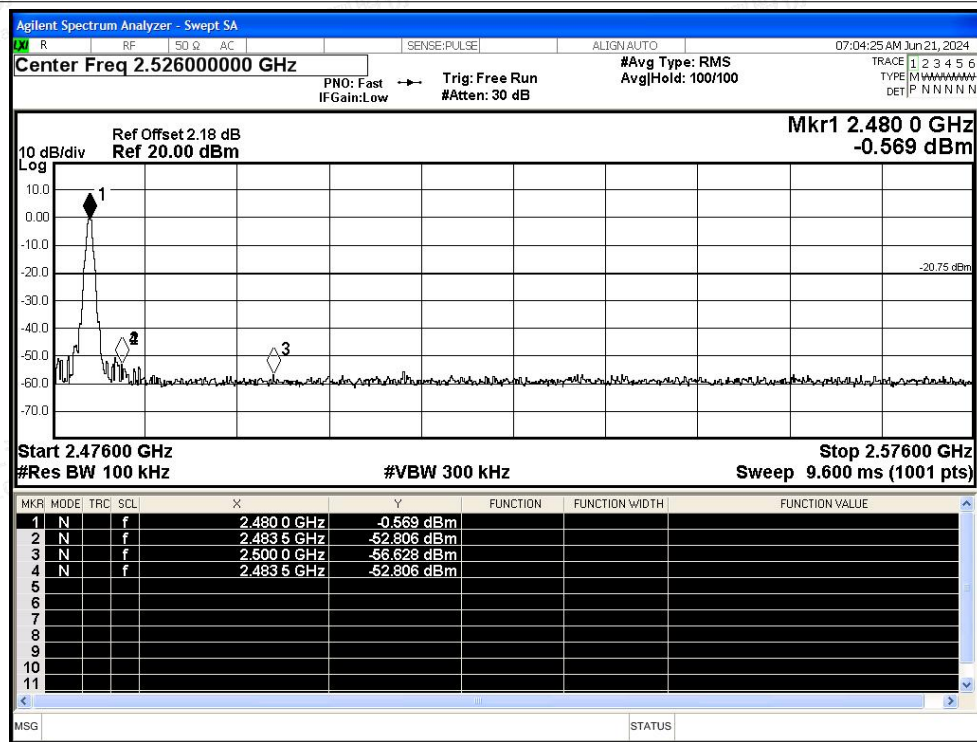
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## Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



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



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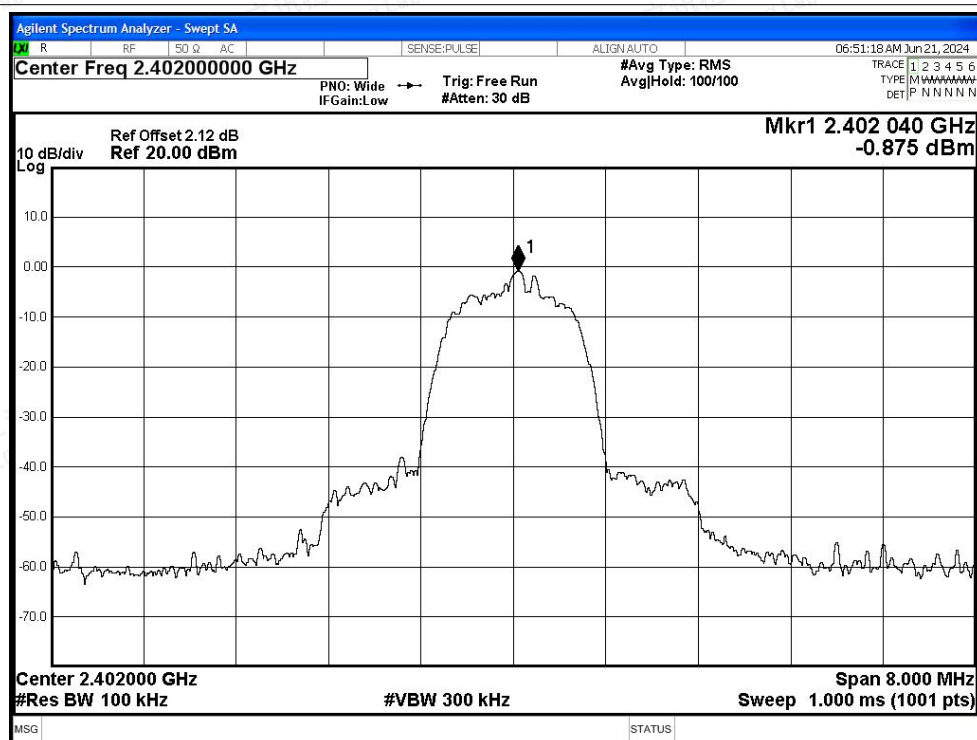
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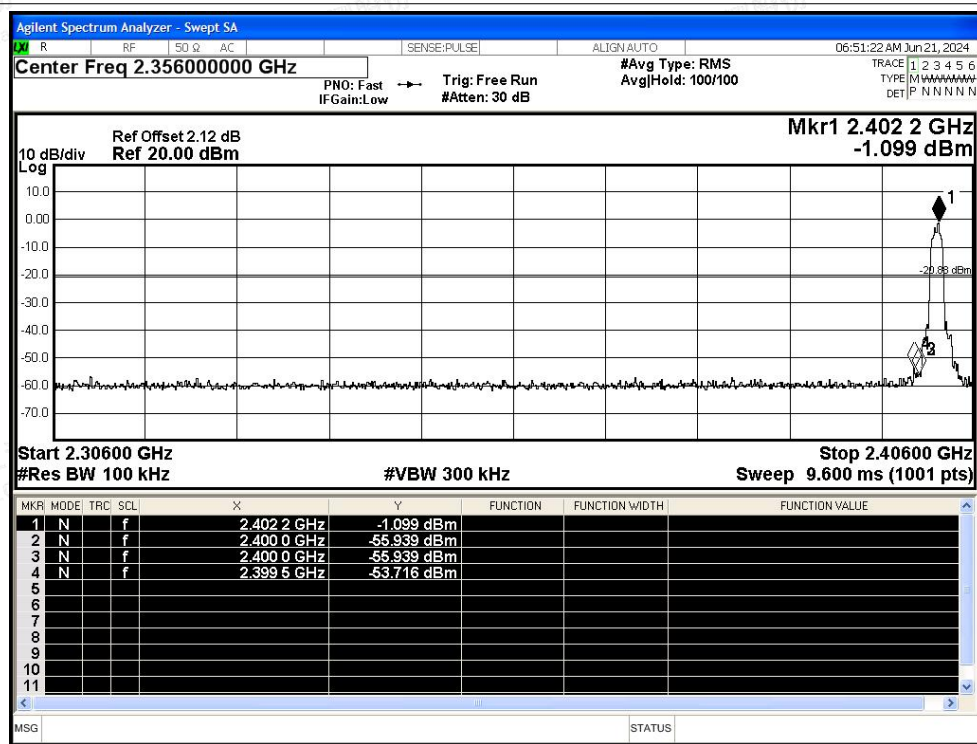
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## Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



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



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