

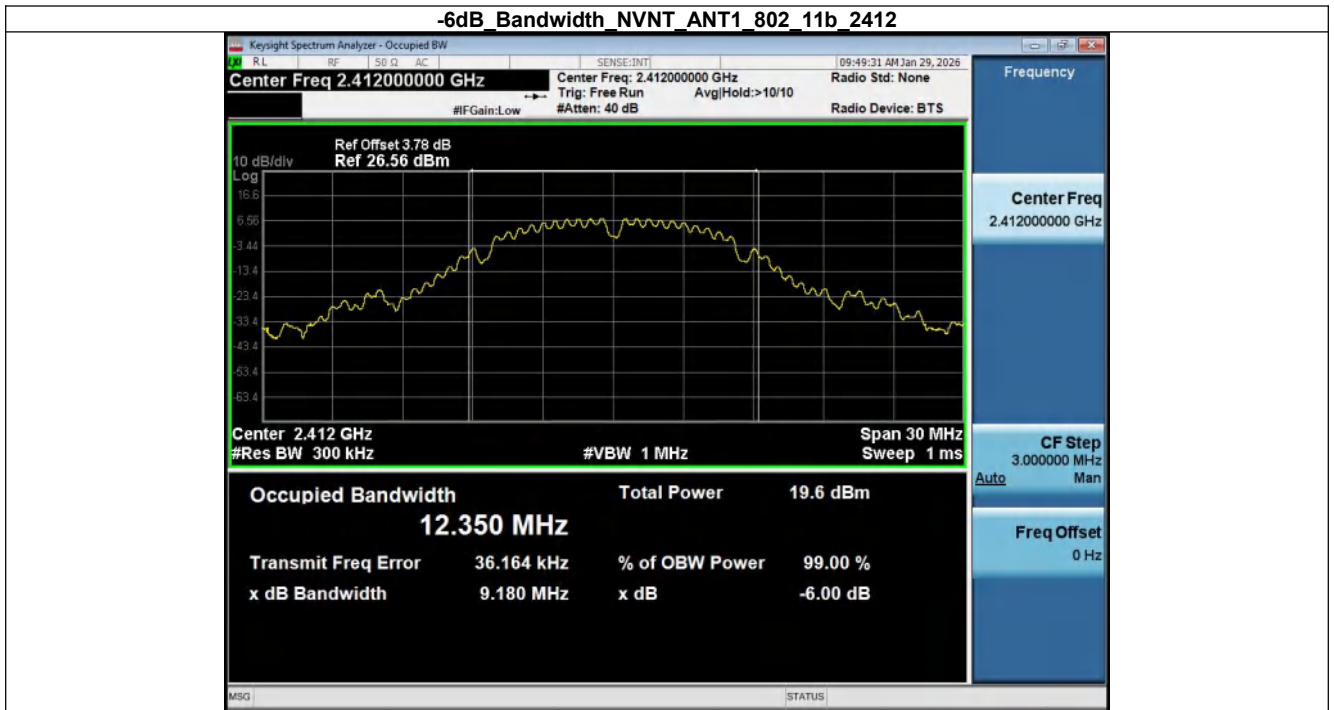
**FCC ID WIFI 2.4**  
**FCC\_2.4G\_WIFI (Part15.247) Test Data**  
**Report No.: BKC26010421AE-1**  
**FCC ID :2BUJJ-V8**

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## 1. -6dB Bandwidth

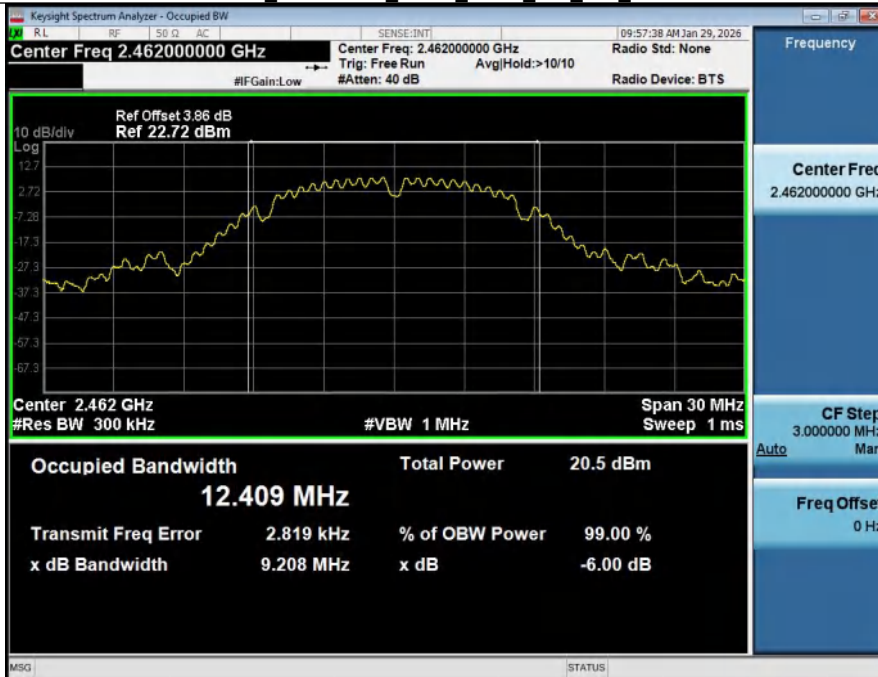
| Condition | Antenna | Modulation    | Frequency (MHz) | -6dB BW(MHz) | limit(kHz) | Result |
|-----------|---------|---------------|-----------------|--------------|------------|--------|
| NVNT      | ANT1    | 802.11b       | 2412.00         | 9.18         | 500        | Pass   |
| NVNT      | ANT1    | 802.11b       | 2437.00         | 9.18         | 500        | Pass   |
| NVNT      | ANT1    | 802.11b       | 2462.00         | 9.21         | 500        | Pass   |
| NVNT      | ANT1    | 802.11g       | 2412.00         | 16.35        | 500        | Pass   |
| NVNT      | ANT1    | 802.11g       | 2437.00         | 16.34        | 500        | Pass   |
| NVNT      | ANT1    | 802.11g       | 2462.00         | 16.47        | 500        | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2412.00         | 17.47        | 500        | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2437.00         | 17.33        | 500        | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2462.00         | 17.57        | 500        | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2422.00         | 36.13        | 500        | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2437.00         | 35.58        | 500        | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2452.00         | 36.05        | 500        | Pass   |



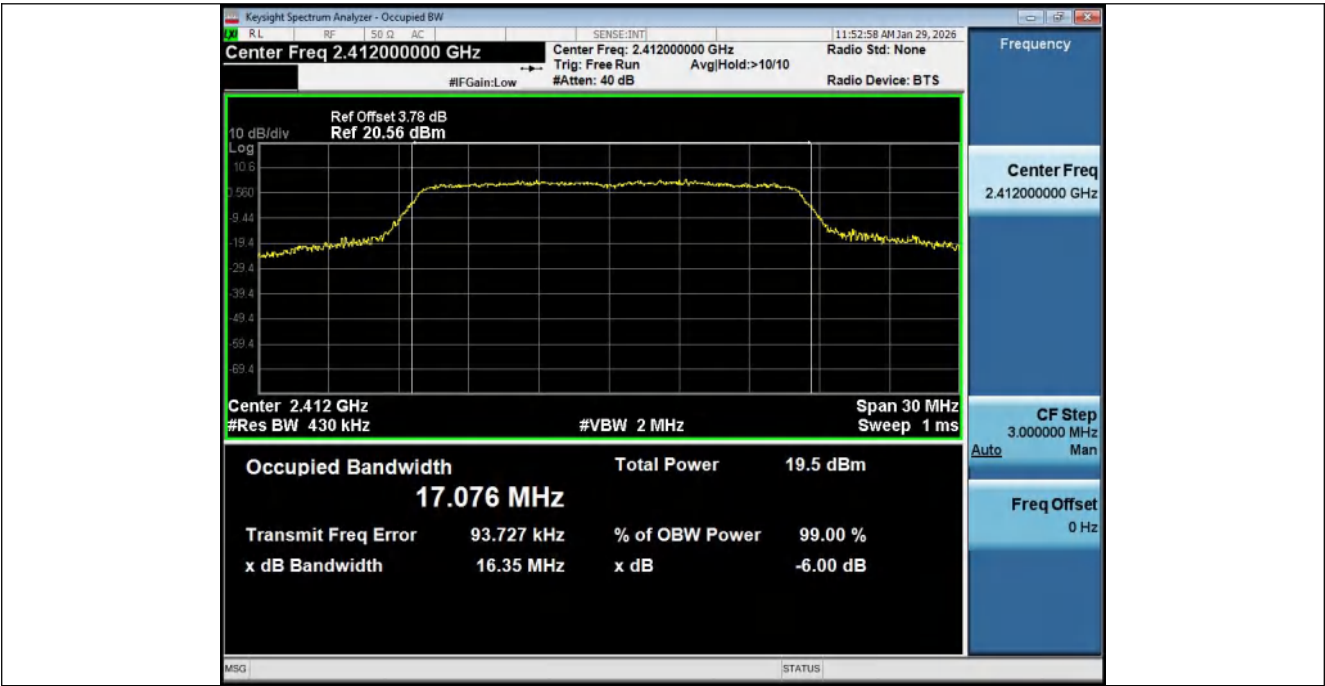
**-6dB\_Bandwidth\_NVNT\_ANT1\_802\_11b\_2437**



-6dB\_Bandwidth\_NVNT\_ANT1\_802\_11b\_2462



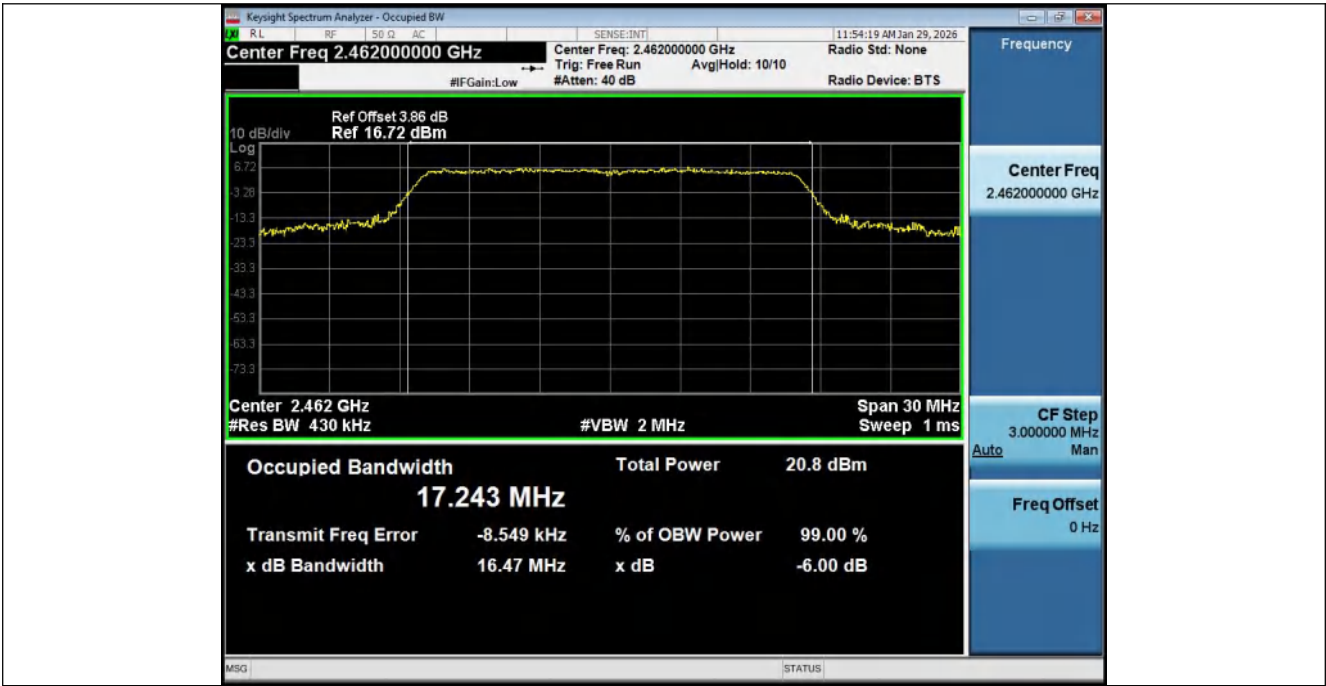
-6dB\_Bandwidth\_NVNT\_ANT1\_802\_11g\_2412



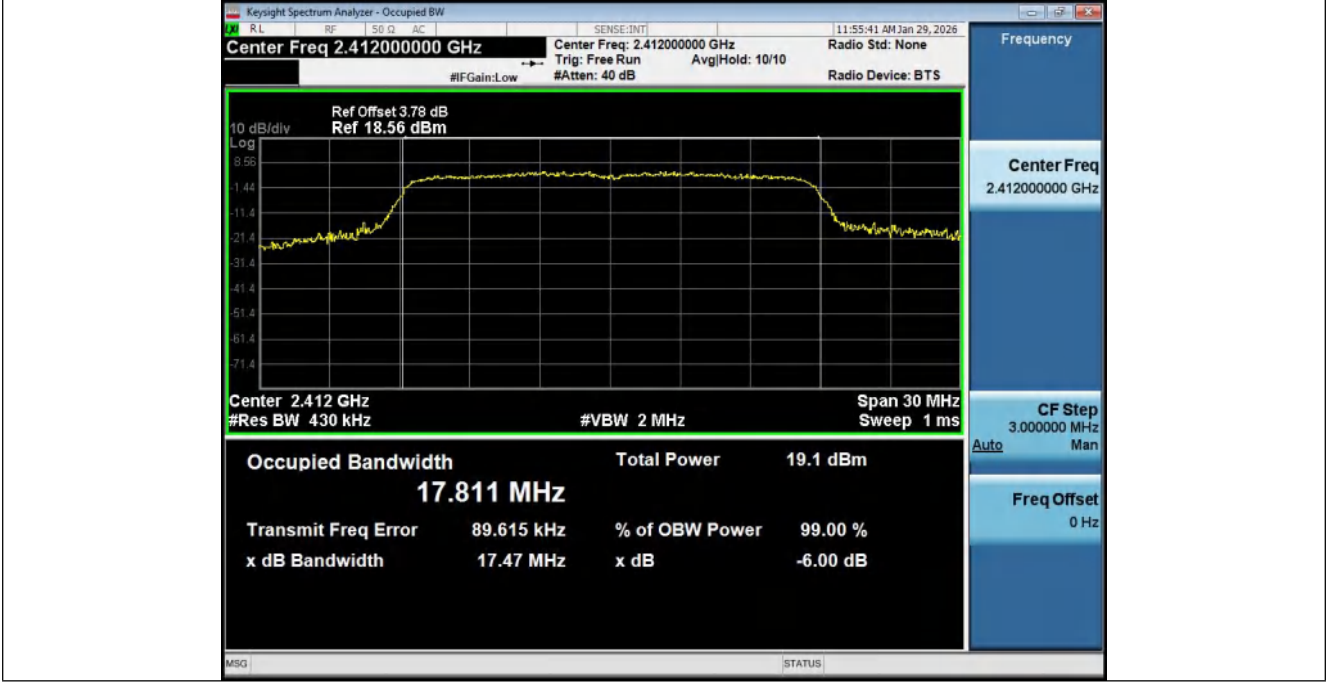
-6dB\_Bandwidth\_NVNT\_ANT1\_802\_11g\_2437



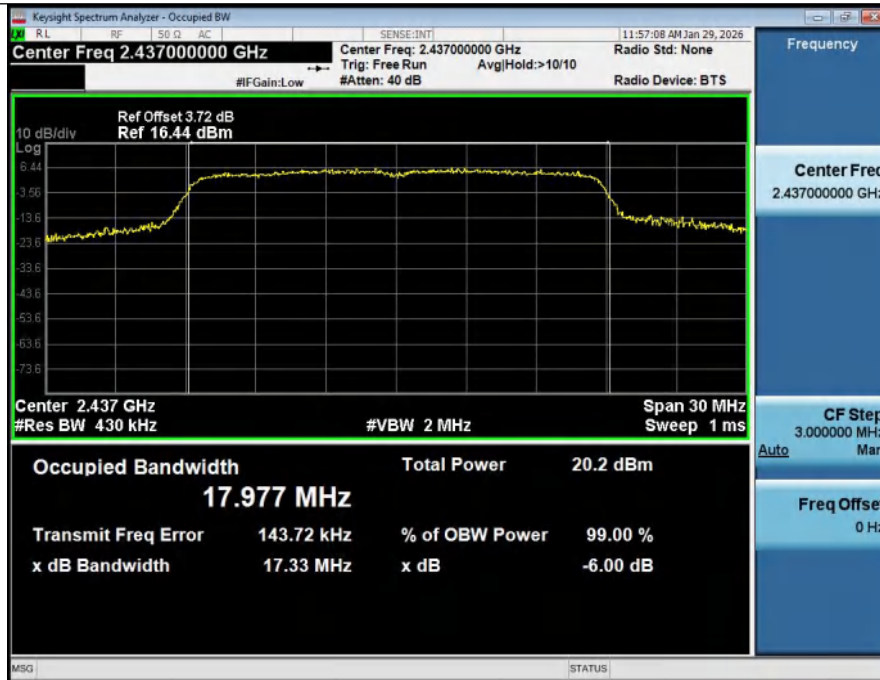
-6dB\_Bandwidth\_NVNT\_ANT1\_802\_11g\_2462



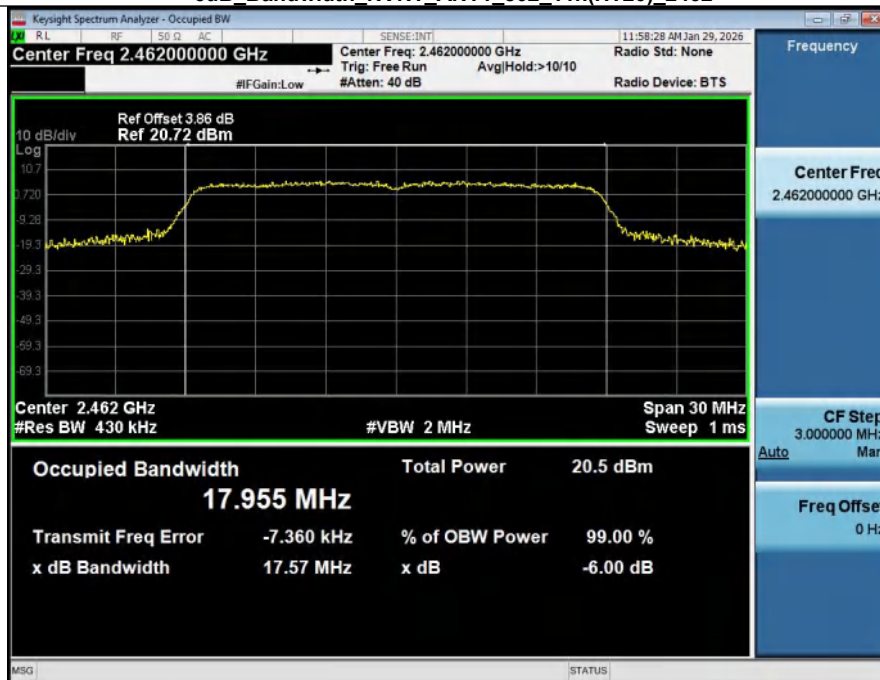
-6dB\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT20)\_2412



-6dB\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT20)\_2437



-6dB\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT20)\_2462



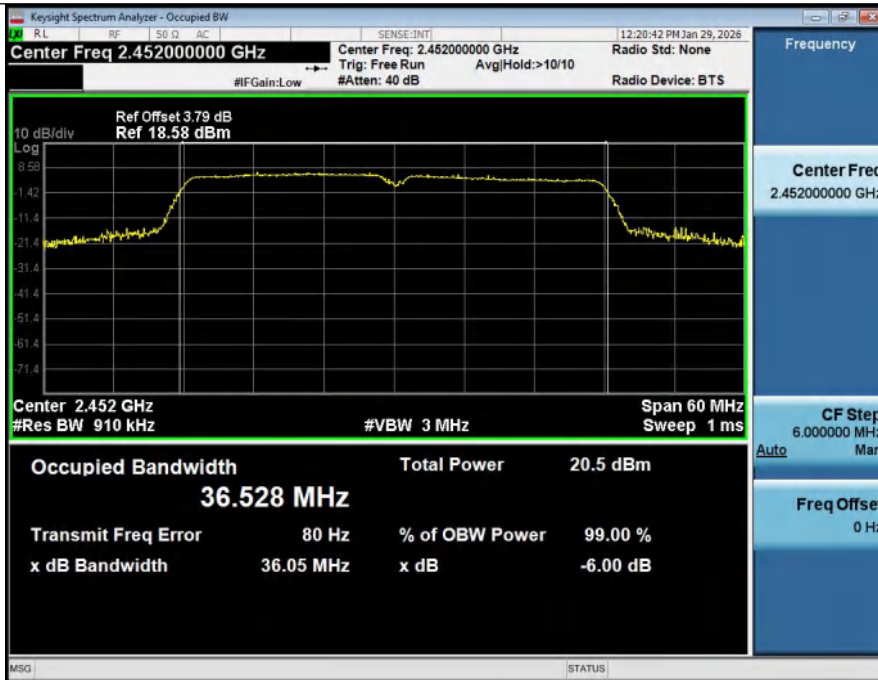
-6dB\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT40)\_2422



-6dB\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT40)\_2437

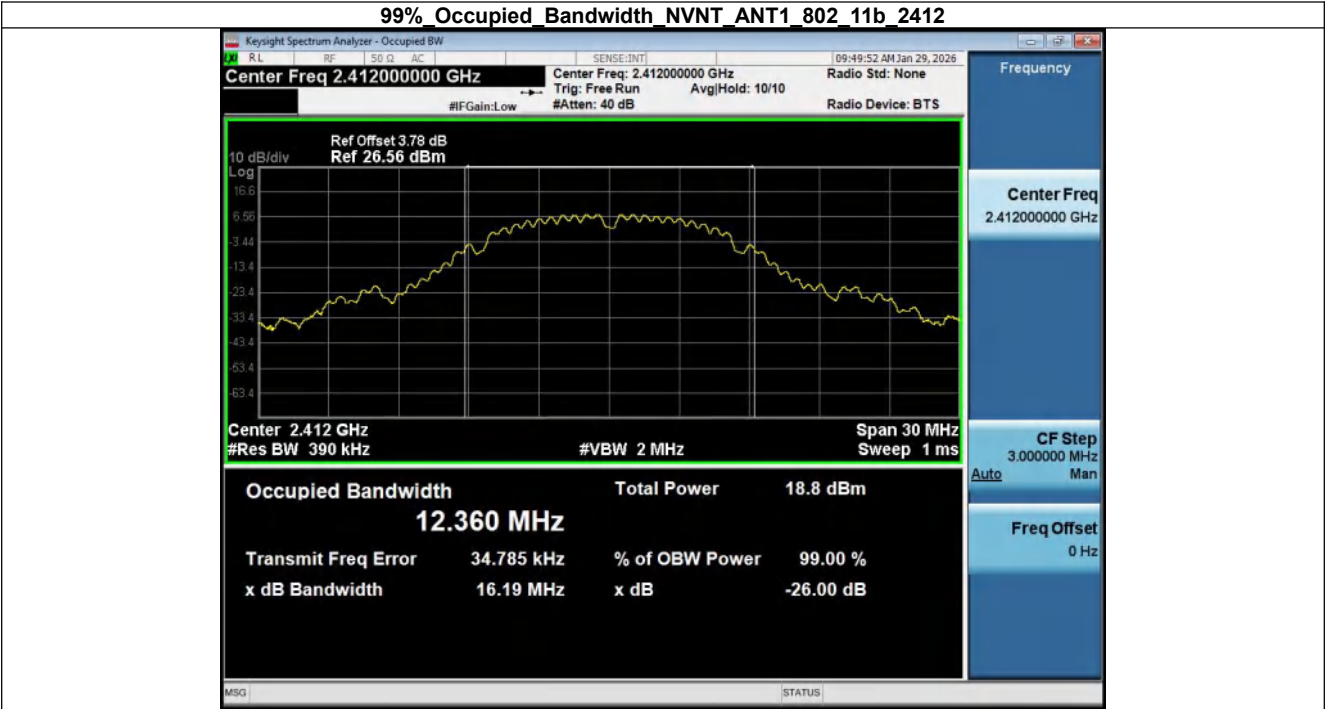


-6dB\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT40)\_2452

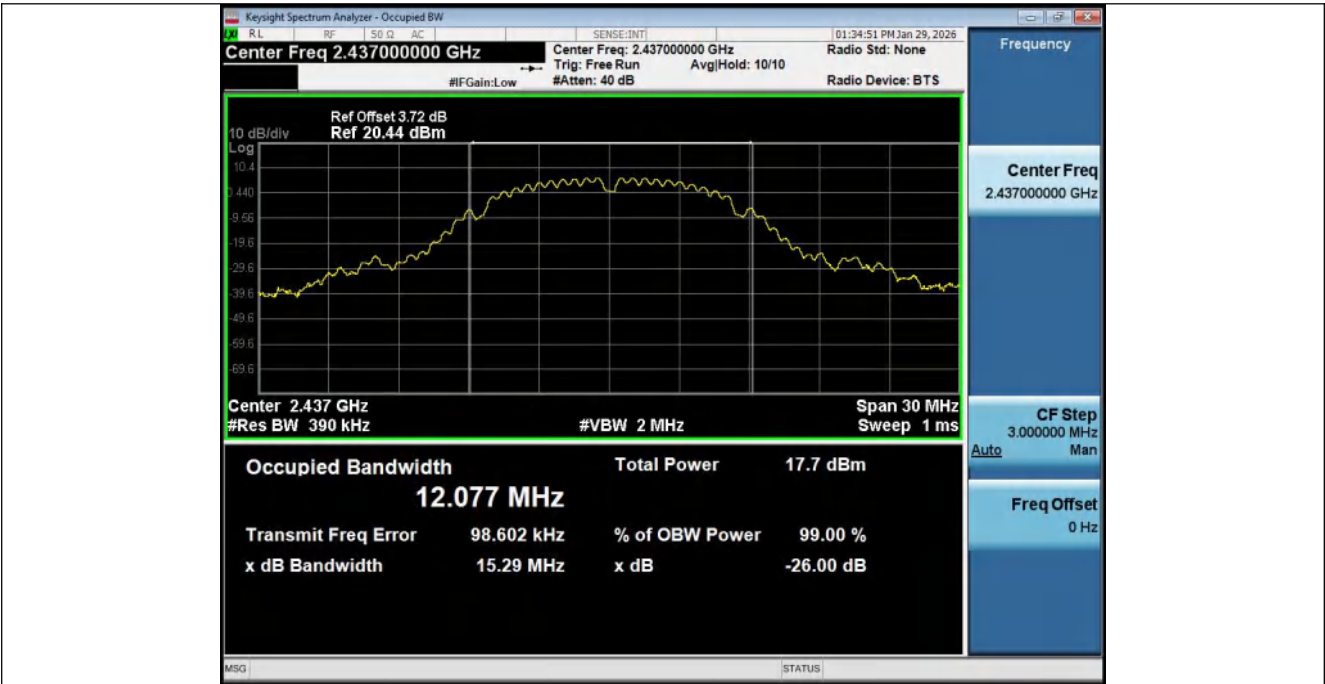


2. 99% Occupied Bandwidth

| Condition | Antenna | Modulation    | Frequency (MHz) | 99% BW (MHz) |
|-----------|---------|---------------|-----------------|--------------|
| NVNT      | ANT1    | 802.11b       | 2412.00         | 12.360       |
| NVNT      | ANT1    | 802.11b       | 2437.00         | 12.077       |
| NVNT      | ANT1    | 802.11b       | 2462.00         | 12.418       |
| NVNT      | ANT1    | 802.11g       | 2412.00         | 17.356       |
| NVNT      | ANT1    | 802.11g       | 2437.00         | 18.055       |
| NVNT      | ANT1    | 802.11g       | 2462.00         | 17.516       |
| NVNT      | ANT1    | 802.11n(HT20) | 2412.00         | 17.920       |
| NVNT      | ANT1    | 802.11n(HT20) | 2437.00         | 18.431       |
| NVNT      | ANT1    | 802.11n(HT20) | 2462.00         | 18.281       |
| NVNT      | ANT1    | 802.11n(HT40) | 2422.00         | 36.783       |
| NVNT      | ANT1    | 802.11n(HT40) | 2437.00         | 36.358       |
| NVNT      | ANT1    | 802.11n(HT40) | 2452.00         | 36.561       |



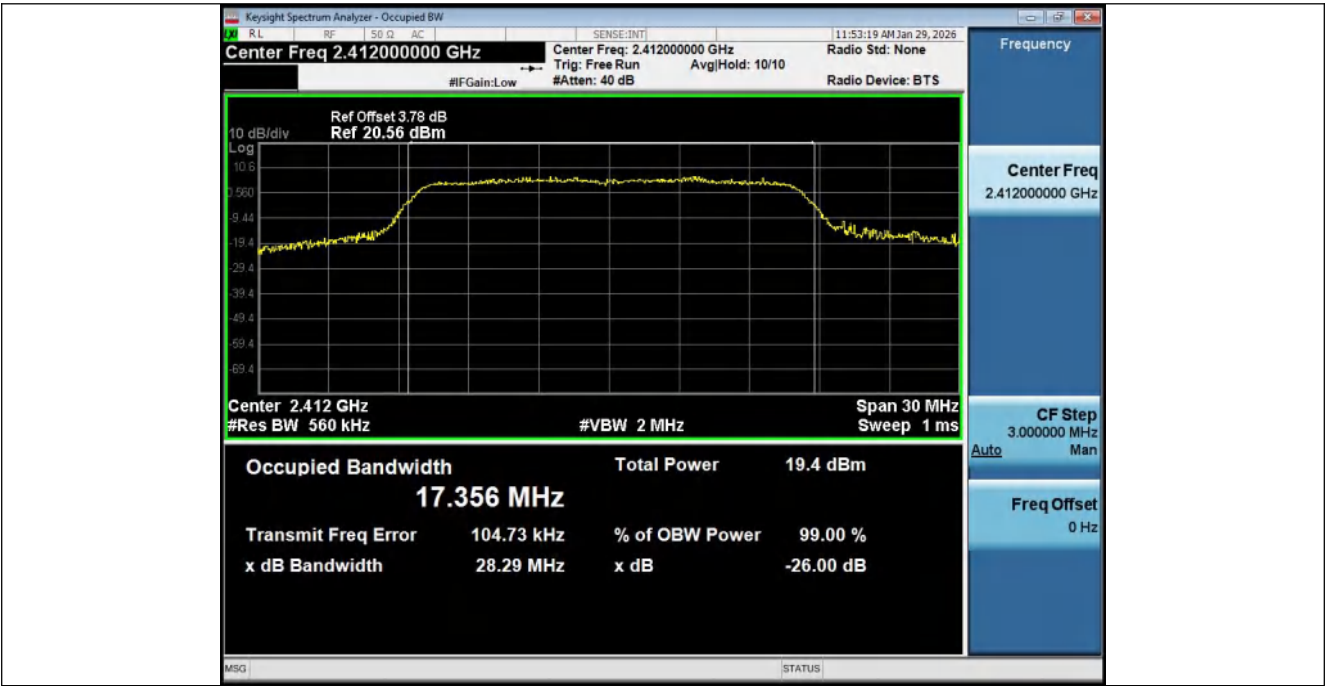
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_802\_11b\_2437



99% Occupied Bandwidth NVNT\_ANT1\_802\_11b\_2462



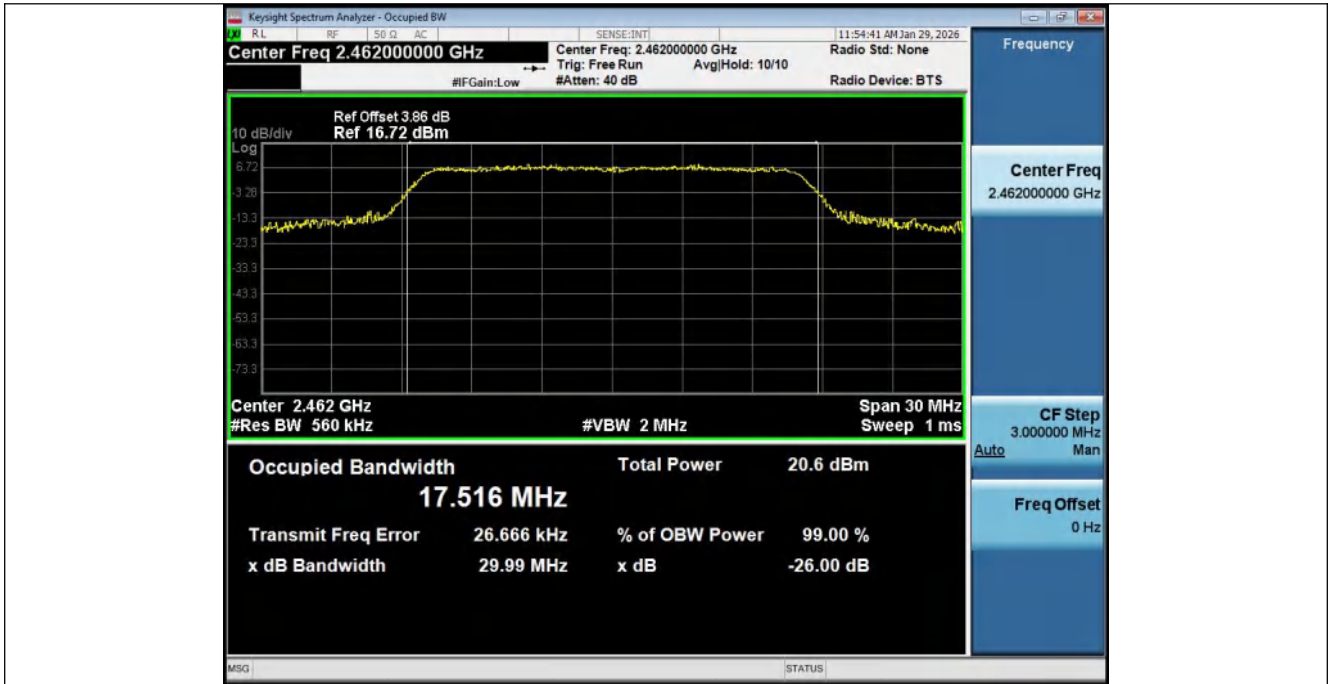
99% Occupied Bandwidth NVNT\_ANT1\_802\_11g\_2412



99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_802\_11g\_2437



99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_802\_11g\_2462



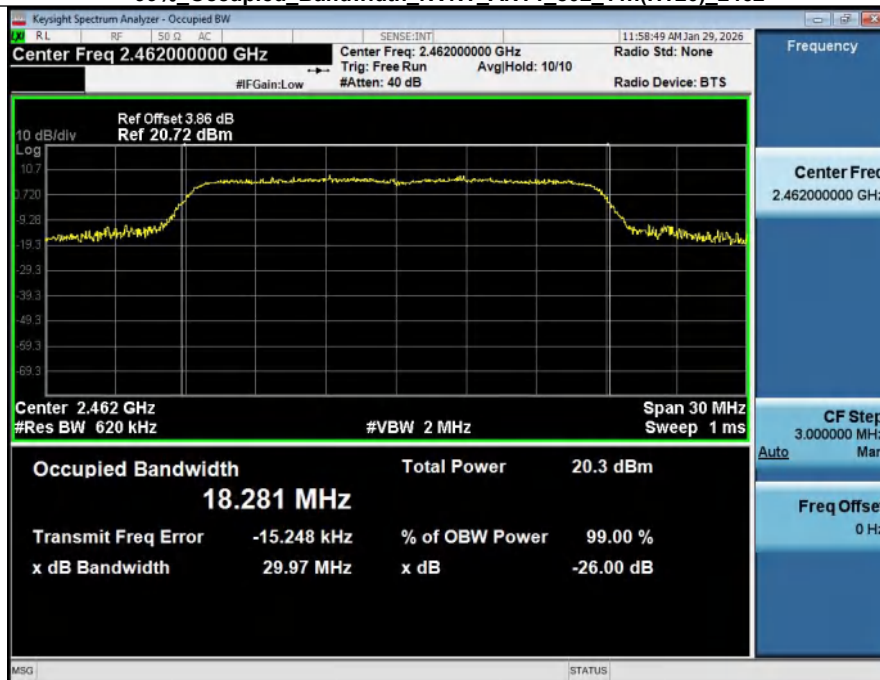
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT20)\_2412



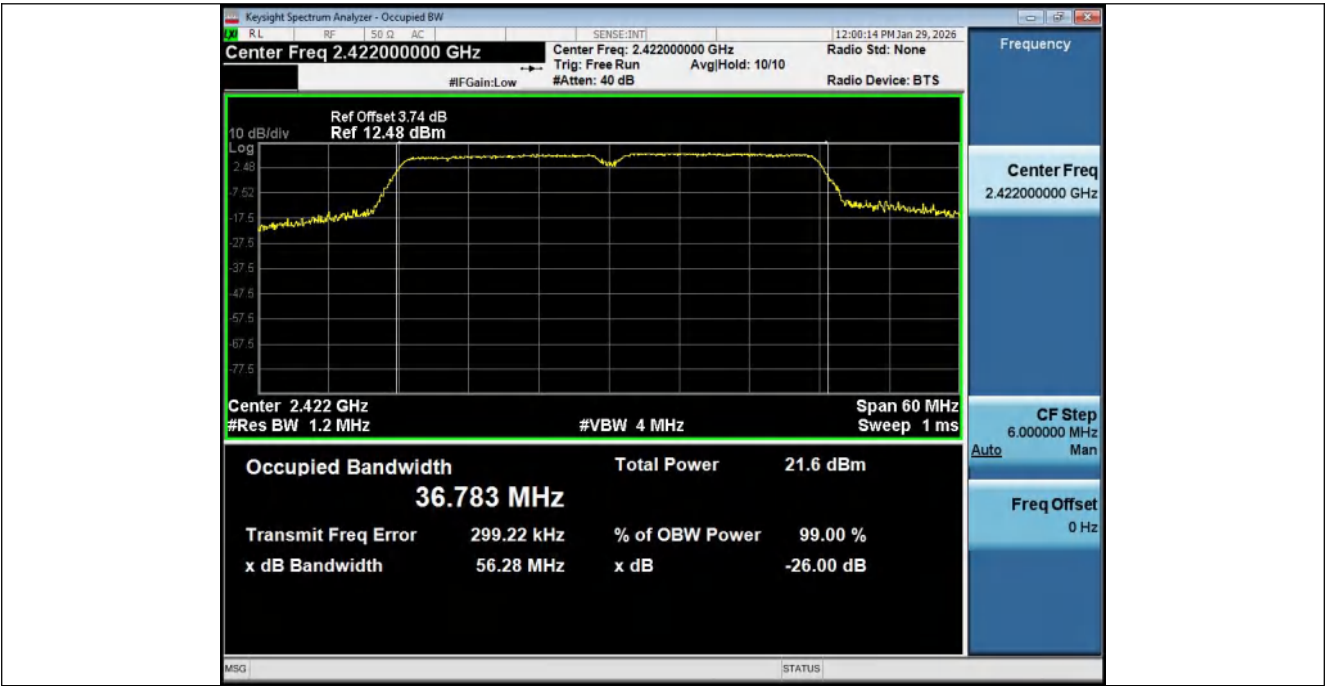
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT20)\_2437



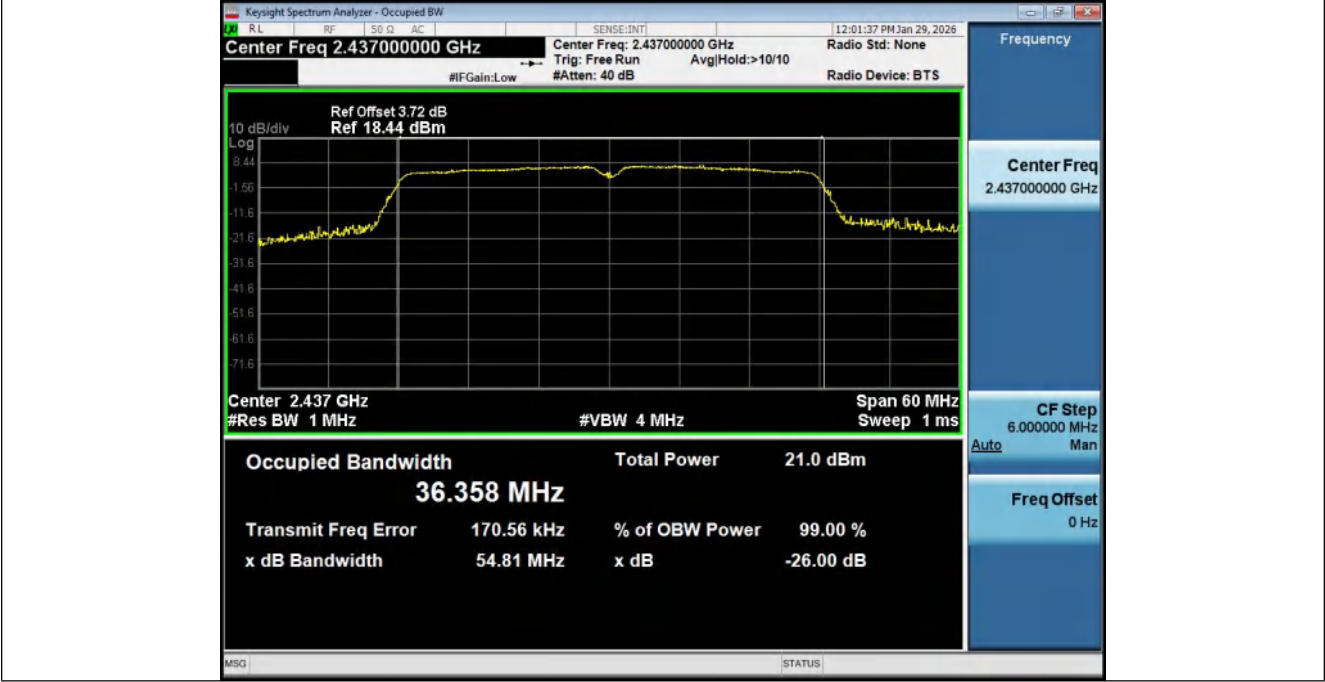
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT20)\_2462



99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT40)\_2422



99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT40)\_2437

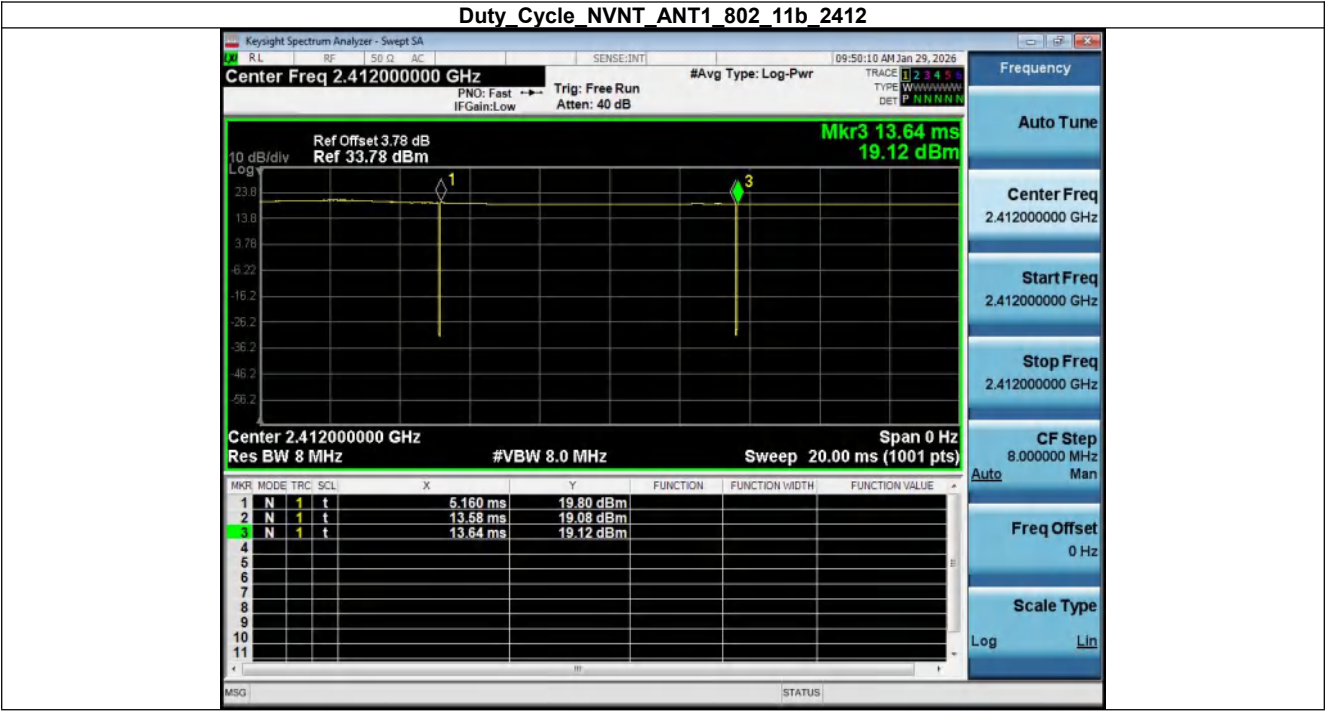


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT40)\_2452

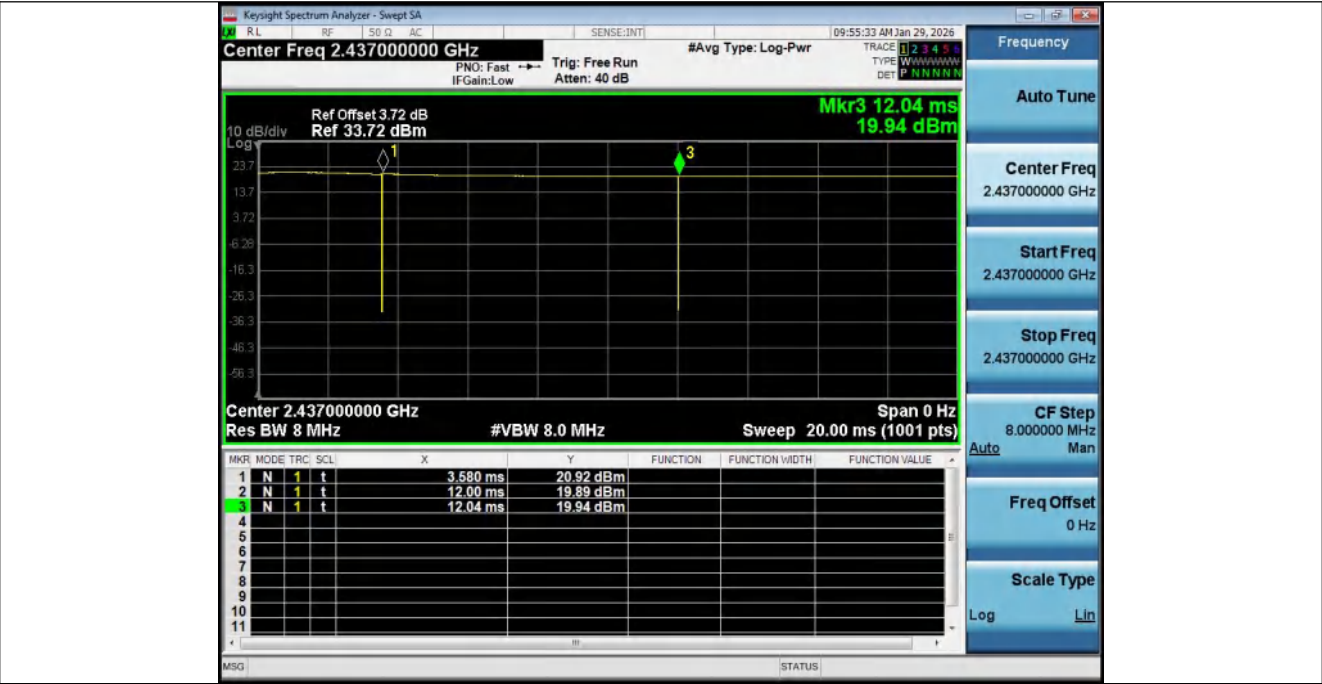


3. Duty Cycle

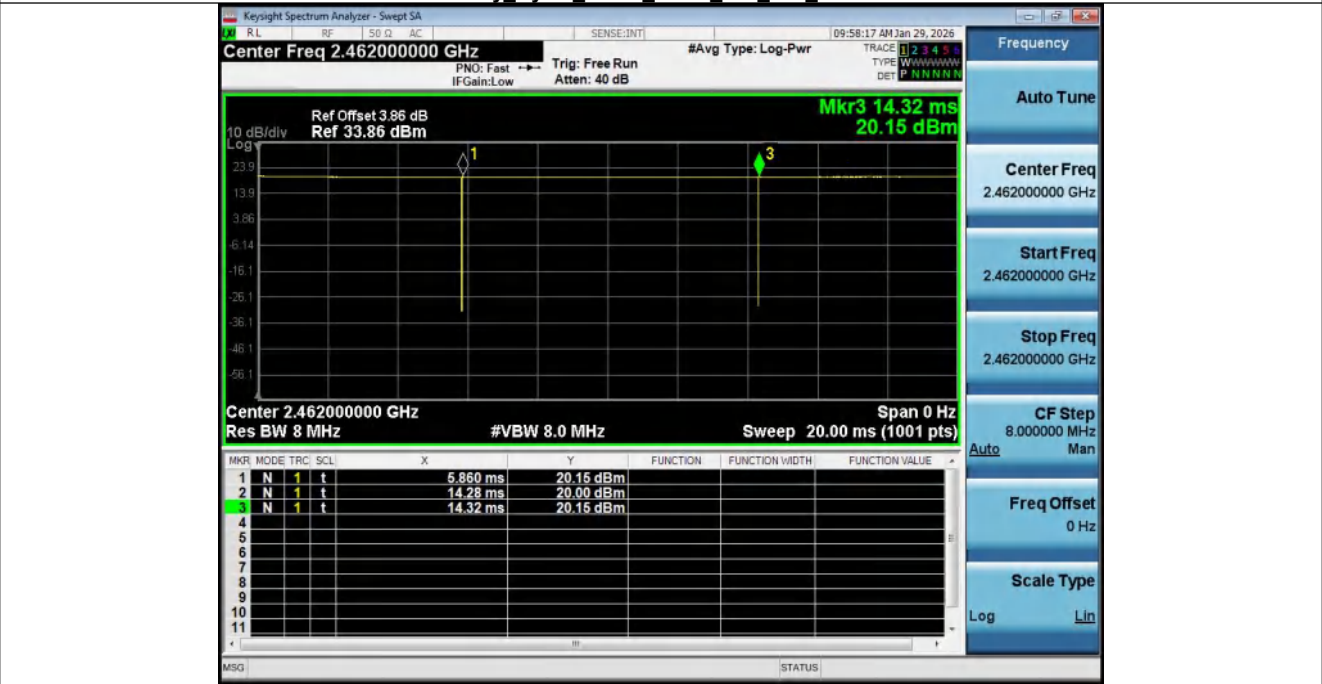
| Condition | Antenna | Modulation    | Frequency (MHz) | Duty cycle(%) | Duty factor(dB) |
|-----------|---------|---------------|-----------------|---------------|-----------------|
| NVNT      | ANT1    | 802.11b       | 2412.00         | 99.53         | 0.00            |
| NVNT      | ANT1    | 802.11b       | 2437.00         | 99.76         | 0.00            |
| NVNT      | ANT1    | 802.11b       | 2462.00         | 99.76         | 0.00            |
| NVNT      | ANT1    | 802.11g       | 2412.00         | 98.61         | 0.00            |
| NVNT      | ANT1    | 802.11g       | 2437.00         | 97.22         | 0.12            |
| NVNT      | ANT1    | 802.11g       | 2462.00         | 98.61         | 0.00            |
| NVNT      | ANT1    | 802.11n(HT20) | 2412.00         | 96.77         | 0.14            |
| NVNT      | ANT1    | 802.11n(HT20) | 2437.00         | 96.77         | 0.14            |
| NVNT      | ANT1    | 802.11n(HT20) | 2462.00         | 96.77         | 0.14            |
| NVNT      | ANT1    | 802.11n(HT40) | 2422.00         | 97.14         | 0.13            |
| NVNT      | ANT1    | 802.11n(HT40) | 2437.00         | 94.29         | 0.26            |
| NVNT      | ANT1    | 802.11n(HT40) | 2452.00         | 94.29         | 0.26            |



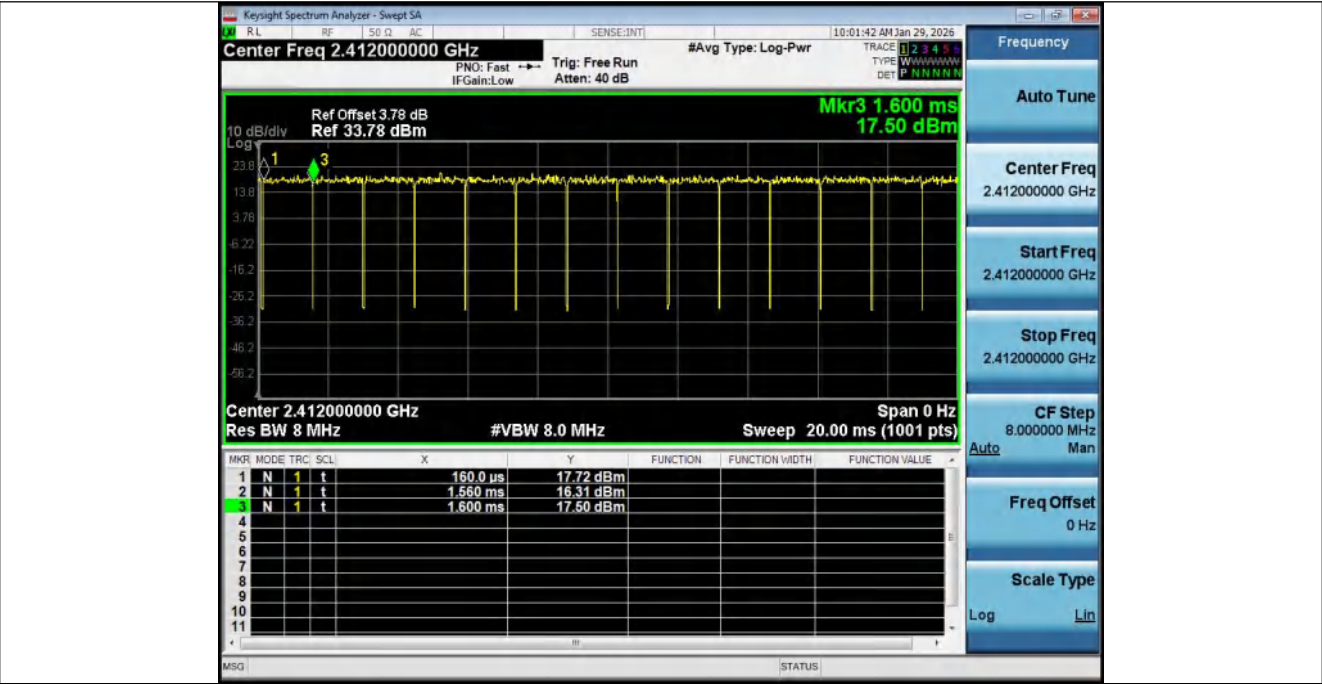
Duty Cycle NVNT ANT1 802\_11b\_2437



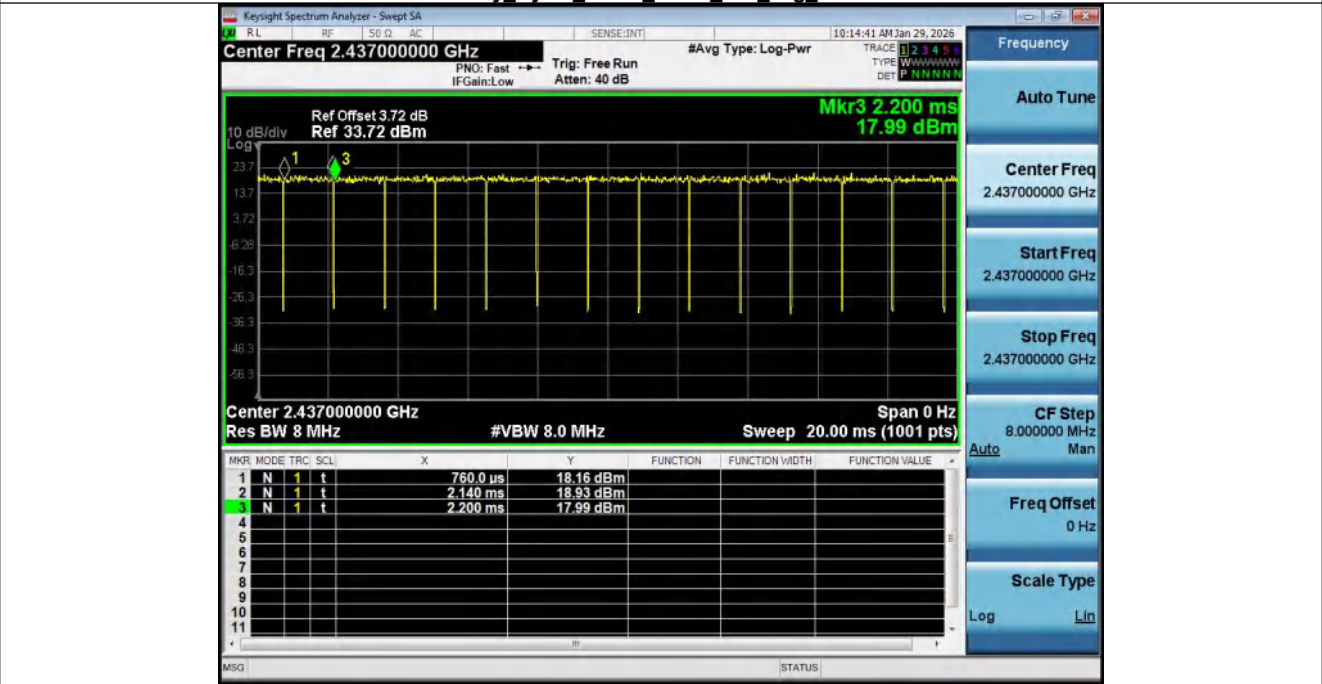
Duty\_Cycle\_NVNT\_ANT1\_802\_11b\_2462



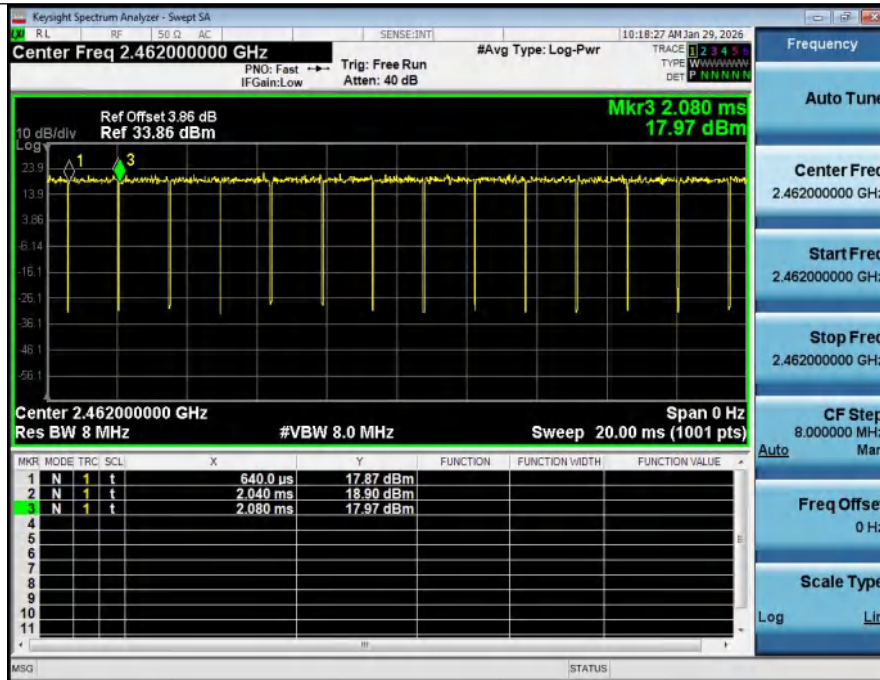
Duty\_Cycle\_NVNT\_ANT1\_802\_11g\_2412



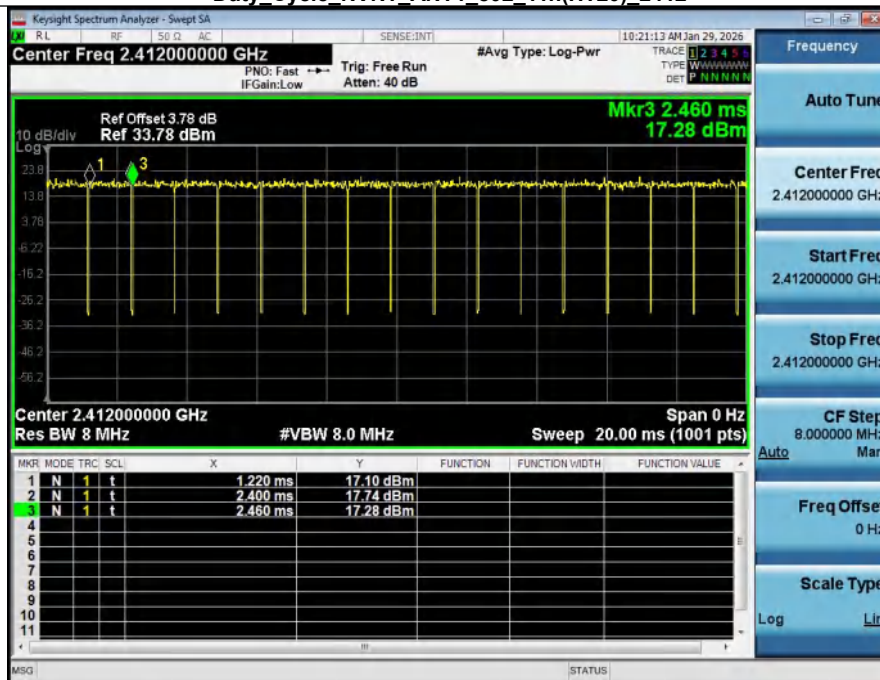
Duty\_Cycle\_NVNT\_ANT1\_802\_11g\_2437



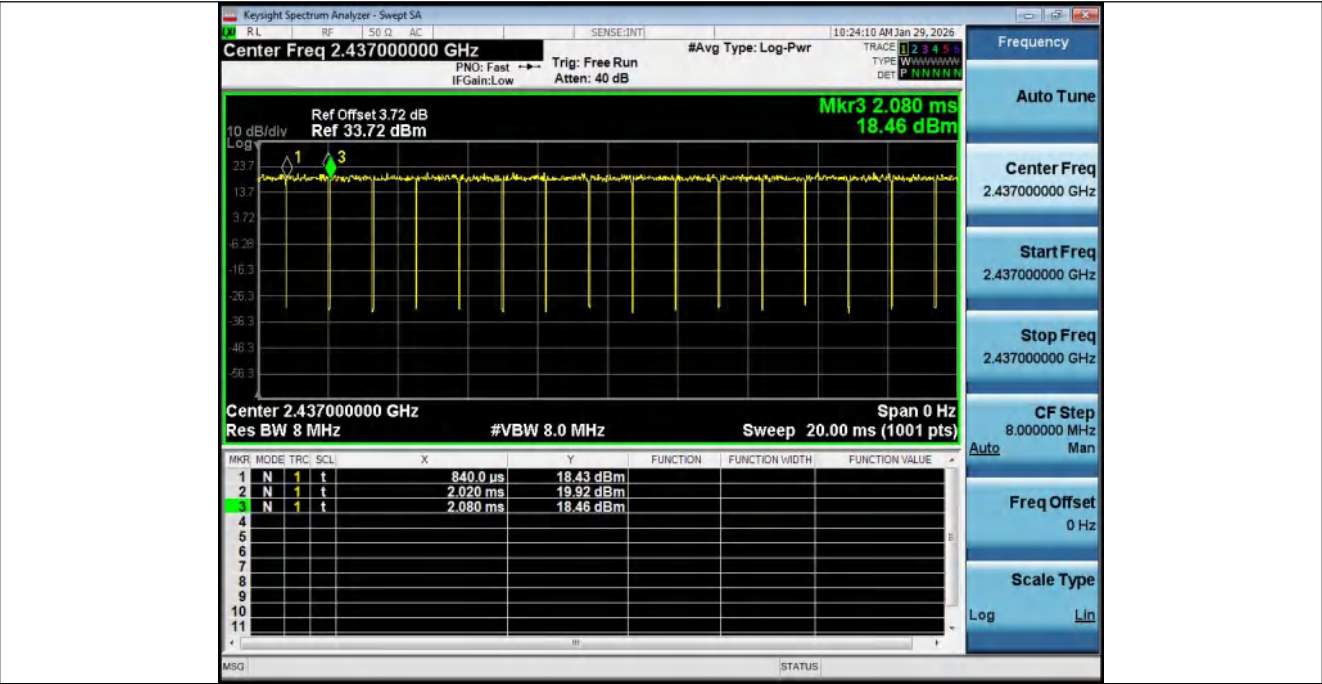
Duty\_Cycle\_NVNT\_ANT1\_802\_11g\_2462



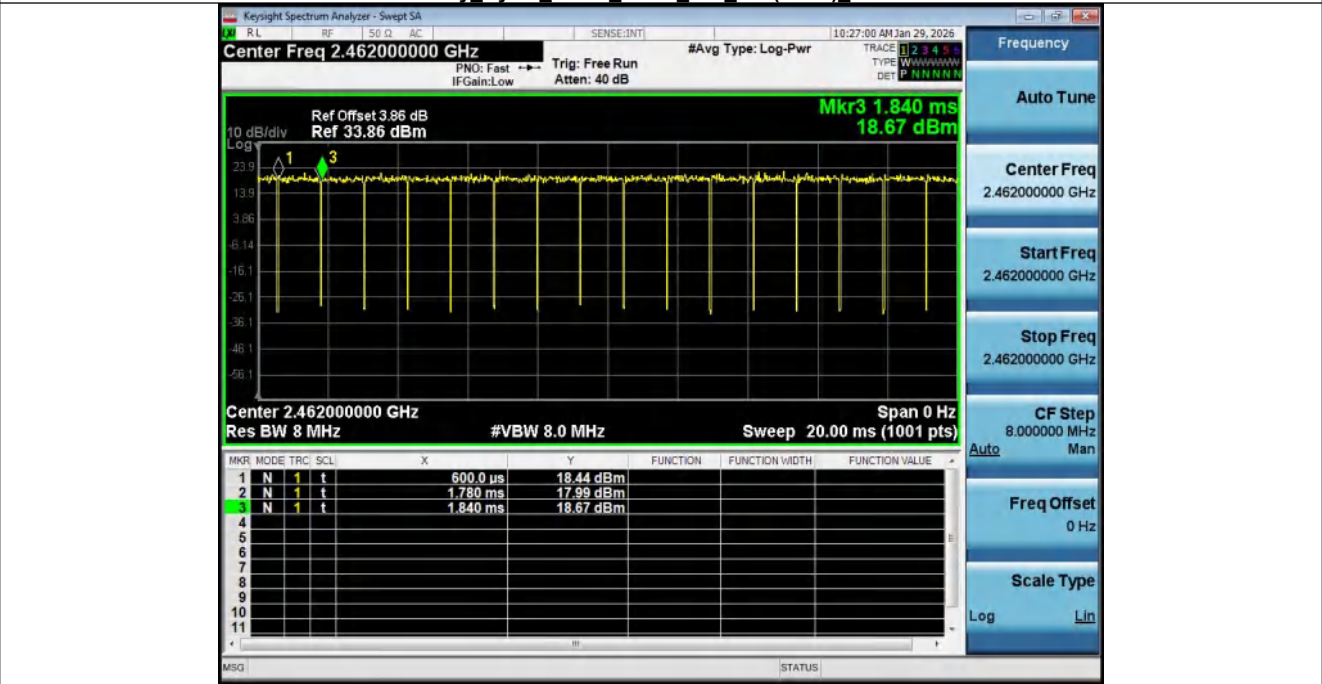
Duty\_Cycle\_NVNT\_ANT1\_802\_11n(HT20)\_2412



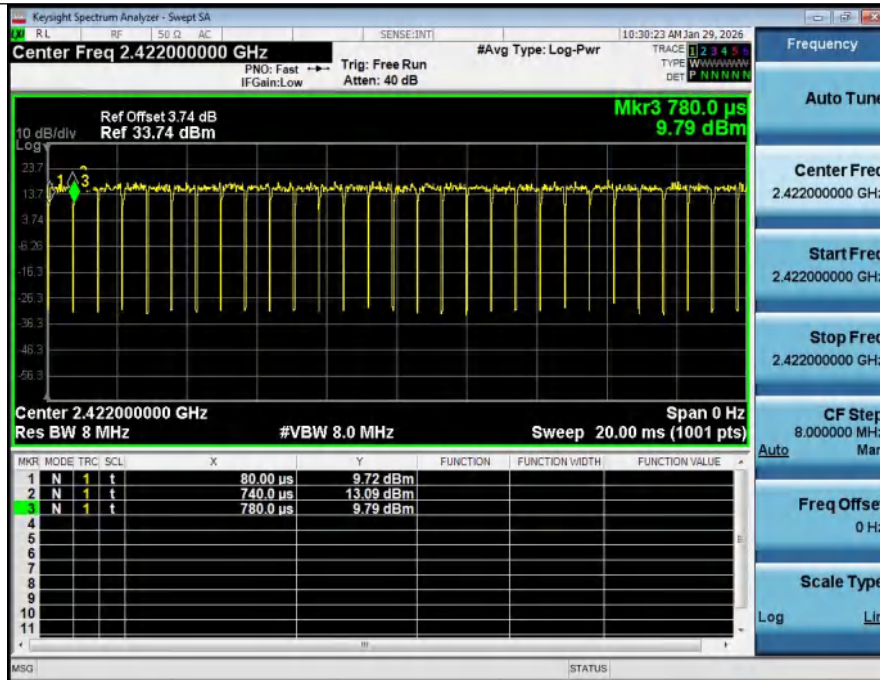
Duty\_Cycle\_NVNT\_ANT1\_802\_11n(HT20)\_2437



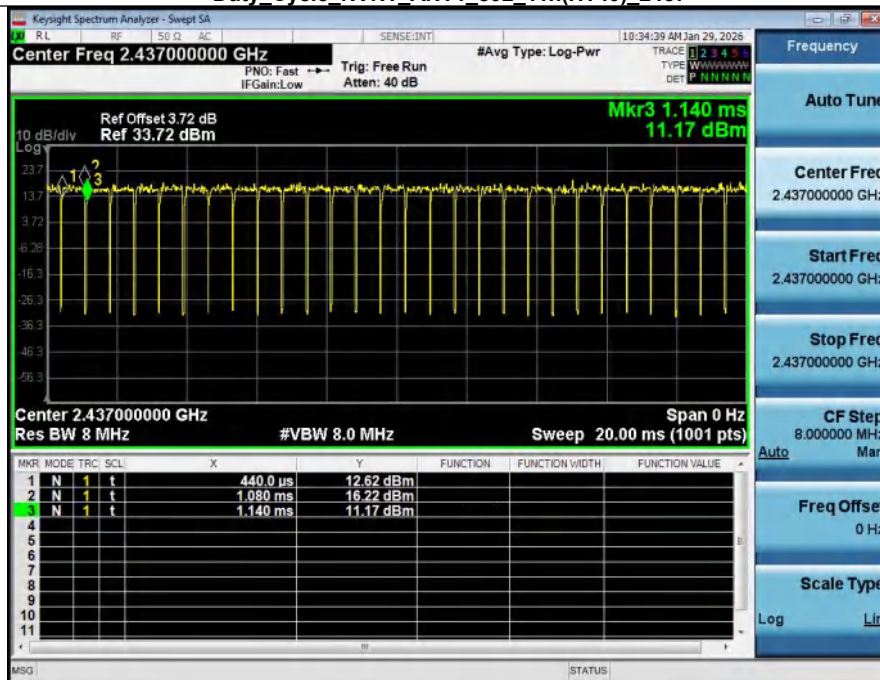
Duty\_Cycle\_NVNT\_ANT1\_802\_11n(HT20)\_2462



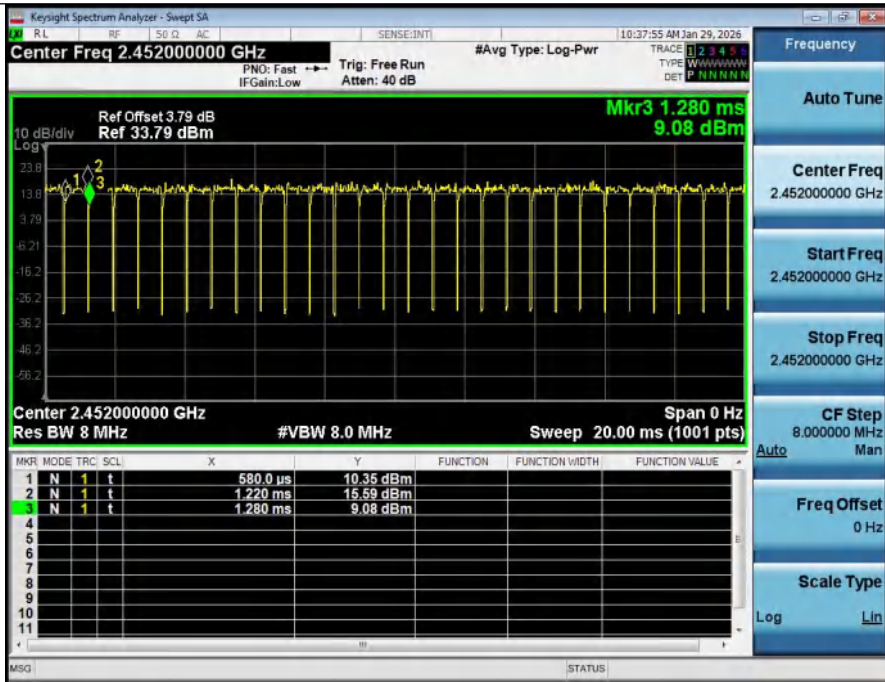
Duty\_Cycle\_NVNT\_ANT1\_802\_11n(HT40)\_2422



Duty\_Cycle\_NVNT\_ANT1\_802\_11n(HT40)\_2437



Duty\_Cycle\_NVNT\_ANT1\_802\_11n(HT40)\_2452



#### 4. MAX. Output Power

| Condition | Antenna | Modulation    | Frequency (MHz) | Detector | Conducted Power(dBm) | Total Power(dBm) | limit(dBm) | Result |
|-----------|---------|---------------|-----------------|----------|----------------------|------------------|------------|--------|
| NVNT      | ANT1    | 802.11b       | 2412.00         | Peak     | 6.25                 | 6.25             | 30         | Pass   |
| NVNT      | ANT1    | 802.11b       | 2437.00         | Peak     | 5.07                 | 5.07             | 30         | Pass   |
| NVNT      | ANT1    | 802.11b       | 2462.00         | Peak     | 7.18                 | 7.18             | 30         | Pass   |
| NVNT      | ANT1    | 802.11g       | 2412.00         | Peak     | 7.06                 | 7.06             | 30         | Pass   |
| NVNT      | ANT1    | 802.11g       | 2437.00         | Peak     | 8                    | 8                | 30         | Pass   |
| NVNT      | ANT1    | 802.11g       | 2462.00         | Peak     | 8.36                 | 8.36             | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2412.00         | Peak     | 6.69                 | 6.69             | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2437.00         | Peak     | 7.63                 | 7.63             | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2462.00         | Peak     | 8.04                 | 8.04             | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2422.00         | Peak     | 7.76                 | 7.76             | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2437.00         | Peak     | 7.72                 | 7.72             | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2452.00         | Peak     | 7.49                 | 7.49             | 30         | Pass   |

5. Power Spectral Density

| Condition | Antenna | Modulation    | Frequency (MHz) | SA_PSD(dBm/30kHz) | RB factor(dB) | PSD(dBm/3kHz) | limit(dBm/3kHz) | Result |
|-----------|---------|---------------|-----------------|-------------------|---------------|---------------|-----------------|--------|
| NVNT      | ANT1    | 802.11b       | 2412.00         | 3.20              | -10.00        | -6.80         | 8               | Pass   |
| NVNT      | ANT1    | 802.11b       | 2437.00         | 4.02              | -10.00        | -5.98         | 8               | Pass   |
| NVNT      | ANT1    | 802.11b       | 2462.00         | 3.83              | -10.00        | -6.17         | 8               | Pass   |
| NVNT      | ANT1    | 802.11g       | 2412.00         | 0.13              | -10.00        | -9.87         | 8               | Pass   |
| NVNT      | ANT1    | 802.11g       | 2437.00         | 1.24              | -10.00        | -8.76         | 8               | Pass   |
| NVNT      | ANT1    | 802.11g       | 2462.00         | 0.97              | -10.00        | -9.03         | 8               | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2412.00         | -0.69             | -10.00        | -10.69        | 8               | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2437.00         | 0.34              | -10.00        | -9.65         | 8               | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2462.00         | 0.38              | -10.00        | -9.62         | 8               | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2422.00         | -3.05             | -10.00        | -13.05        | 8               | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2437.00         | -2.82             | -10.00        | -12.82        | 8               | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2452.00         | -2.75             | -10.00        | -12.75        | 8               | Pass   |



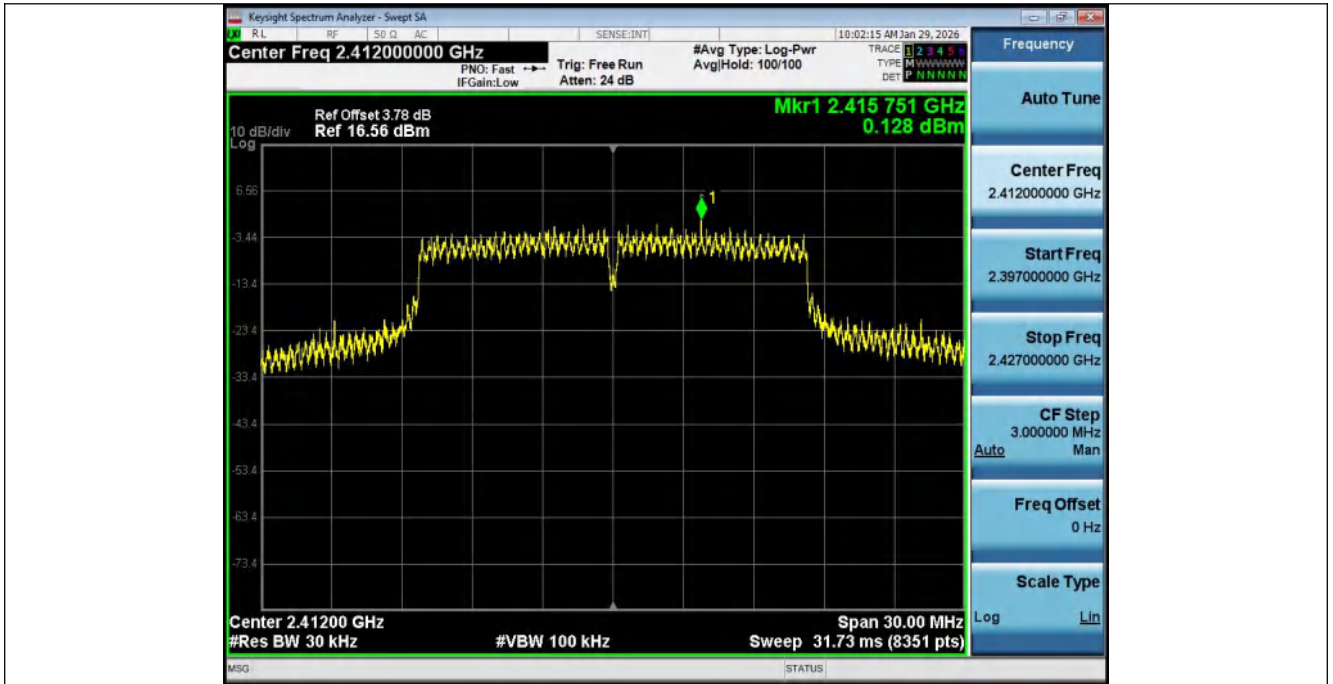
Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11b\_2437



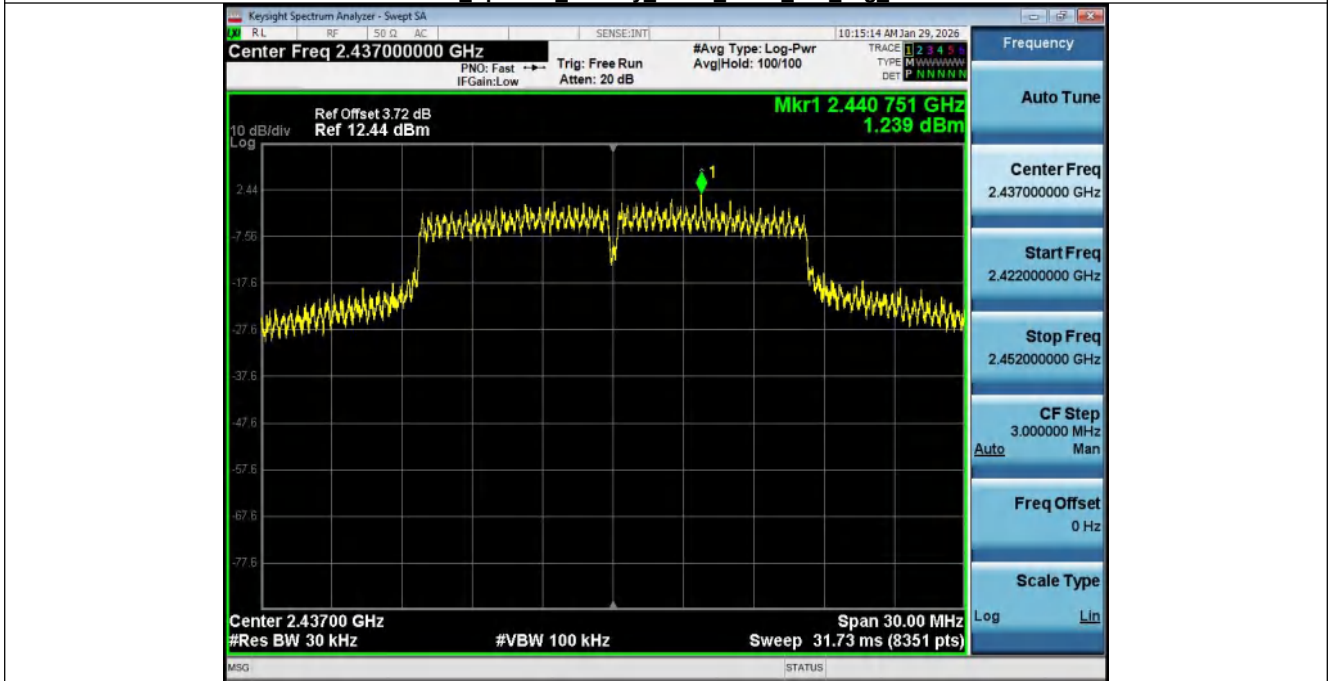
Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11b\_2462



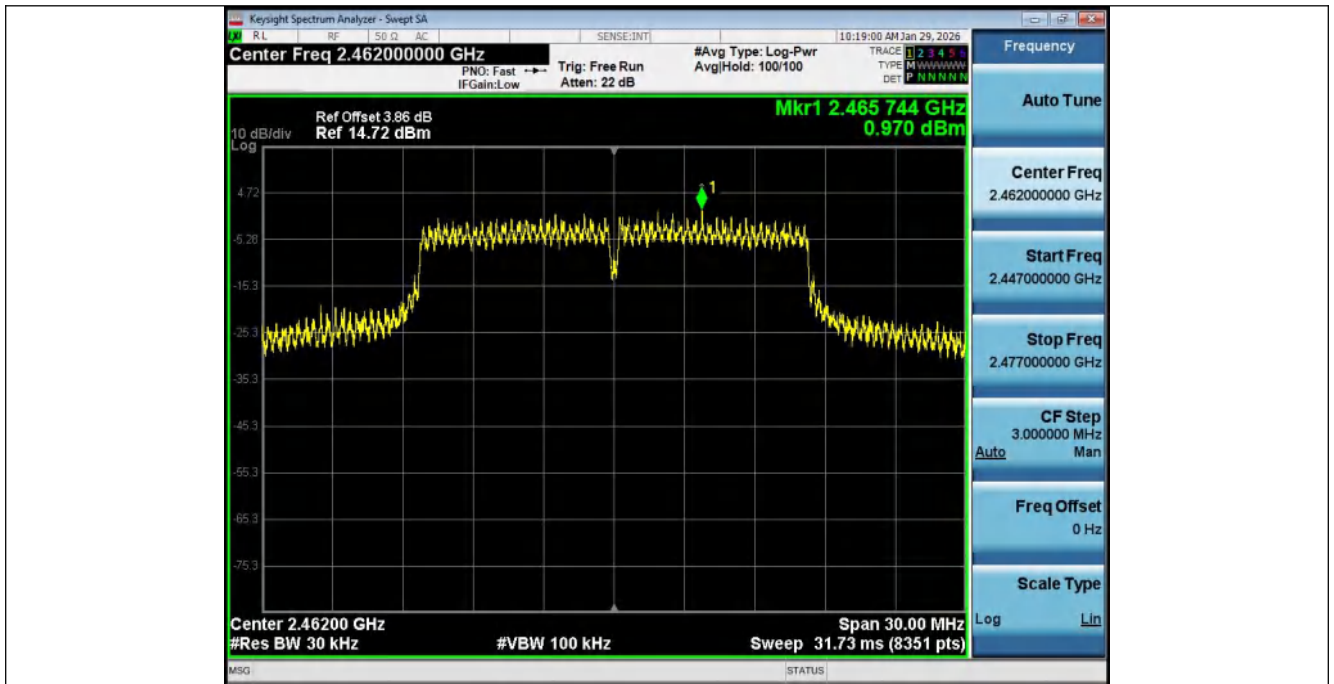
Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11g\_2412



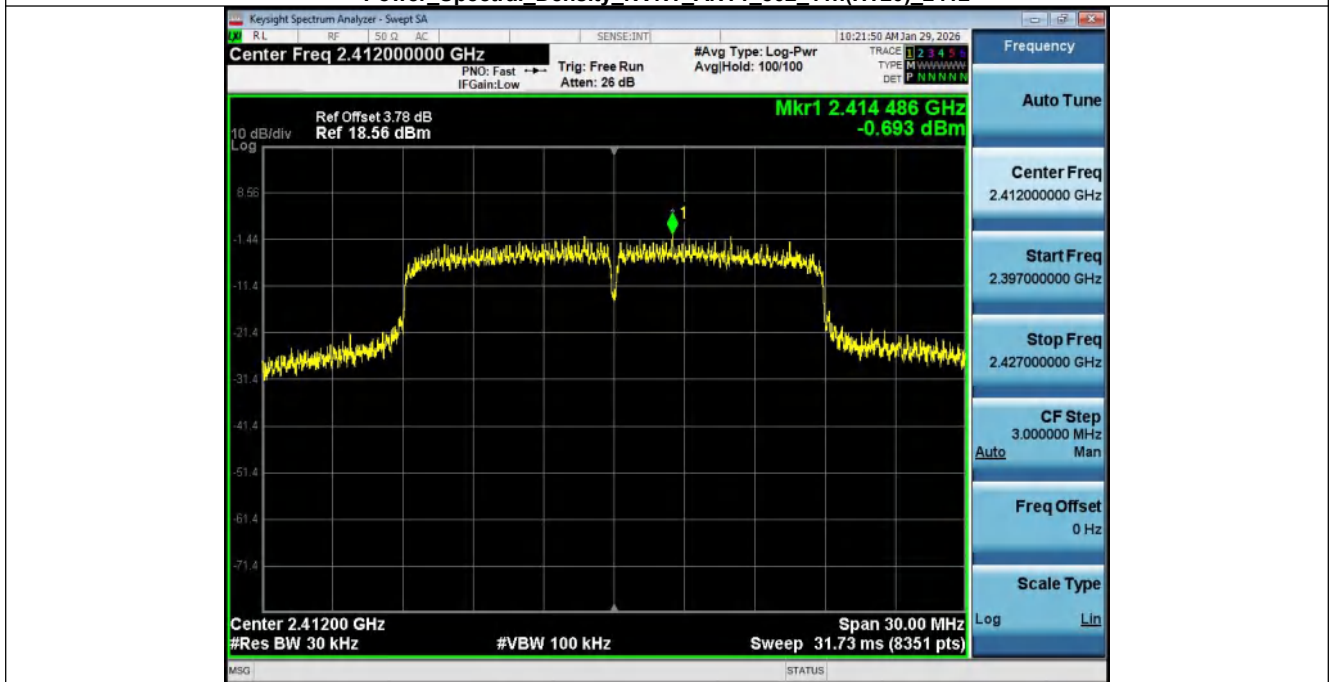
Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11g\_2437



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11g\_2462



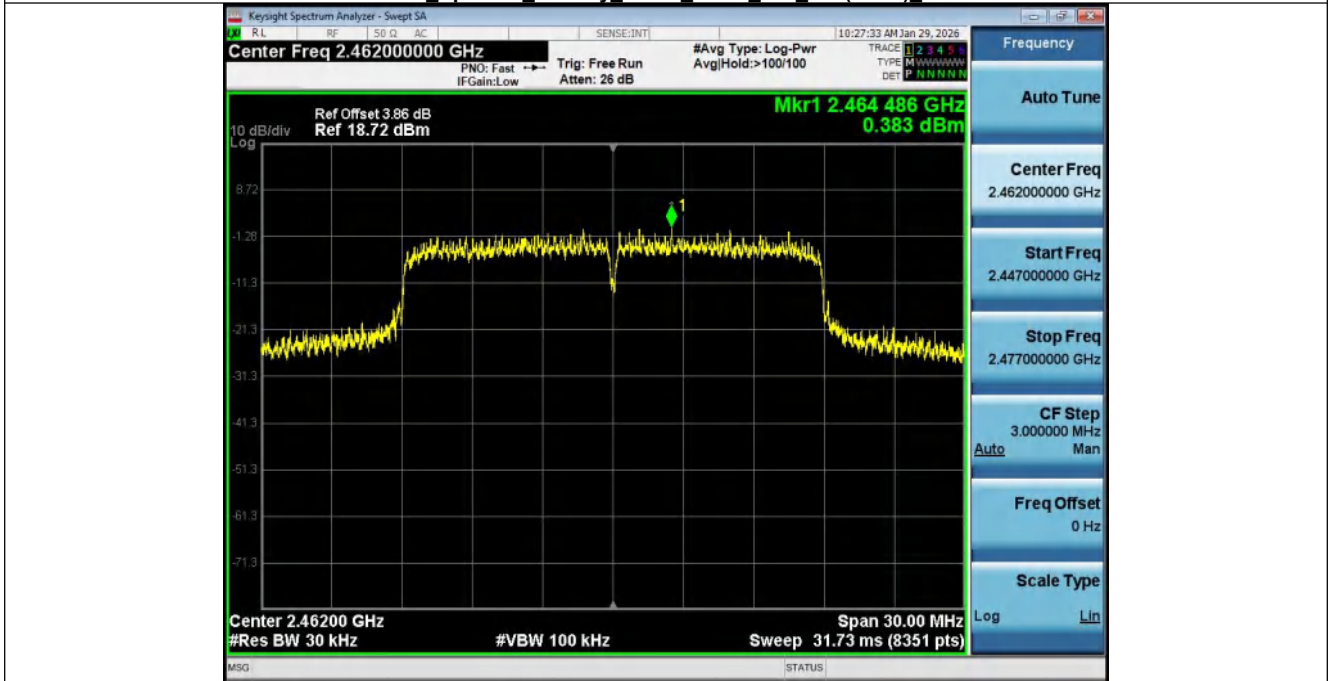
Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT20)\_2412



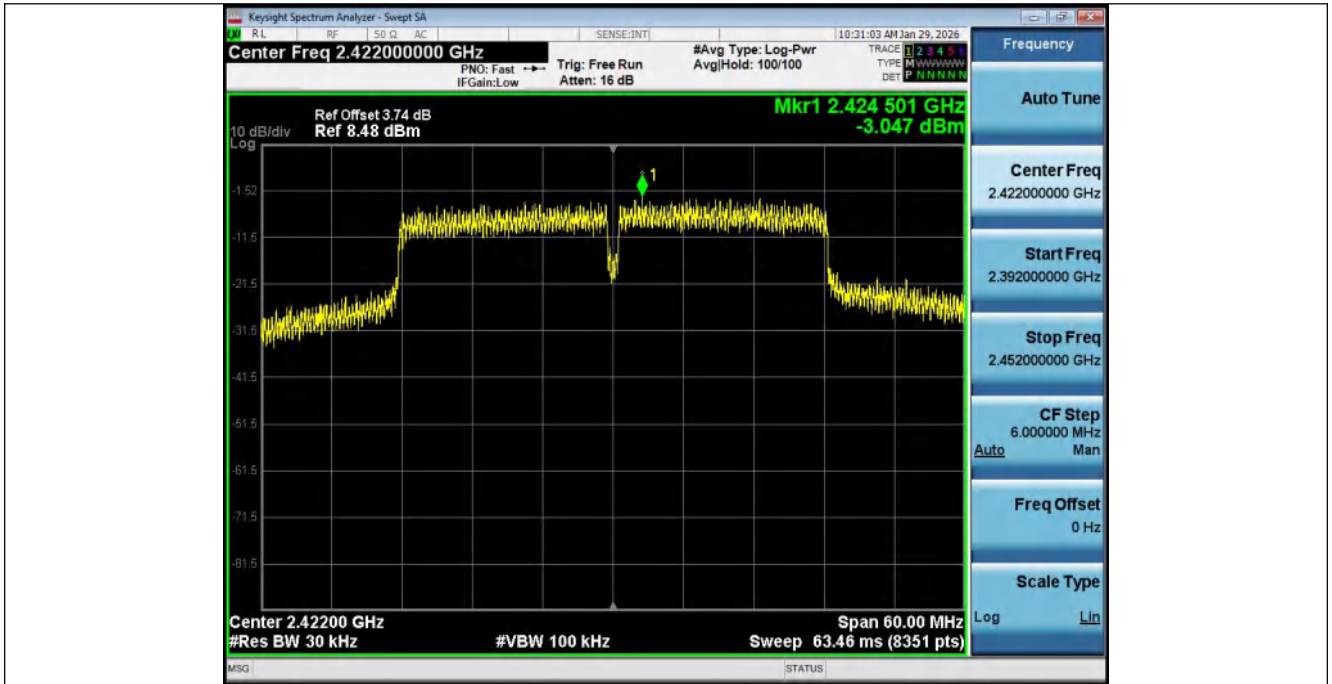
Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT20)\_2437



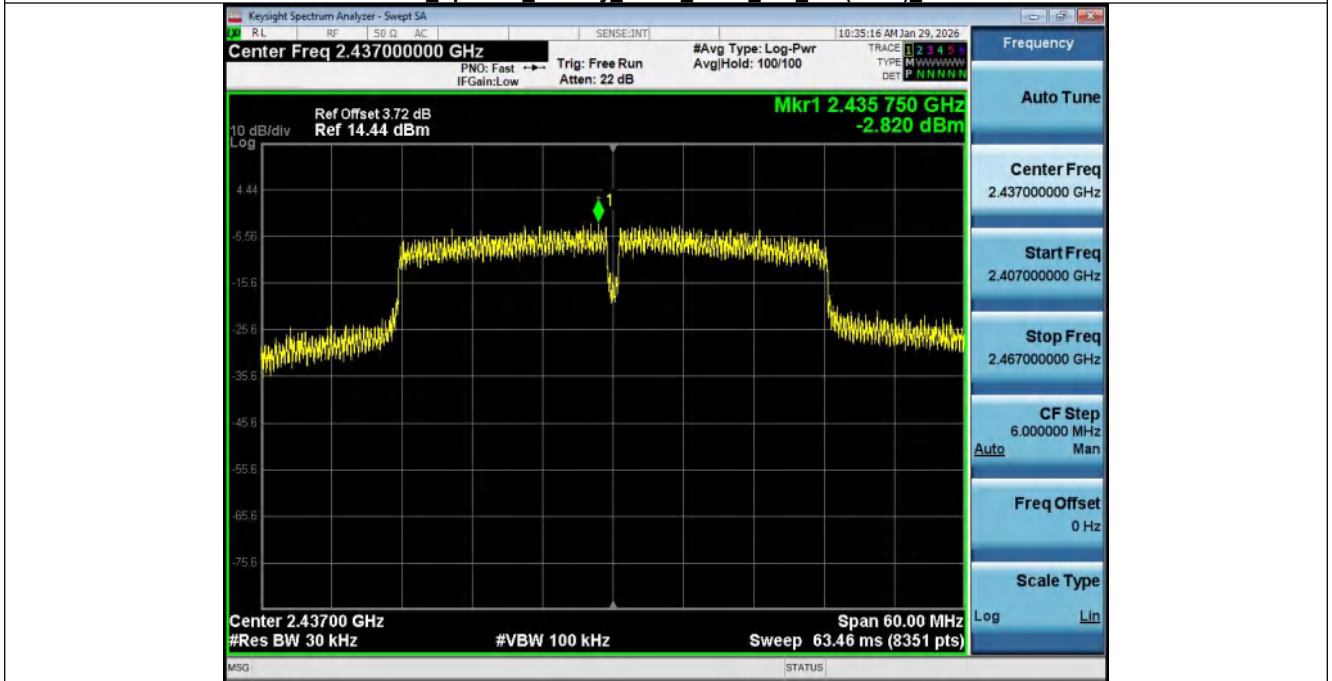
Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT20)\_2462



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT40)\_2422



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT40)\_2437



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT40)\_2452



6. Bandedge

| Condition | Antenna | Modulation    | TX_Frequency (MHz) | Max. Mark_freq(MHz) | Ref_level(dBm) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|---------------|--------------------|---------------------|----------------|---------------------|------------|--------|
| NVNT      | ANT1    | 802.11b       | 2412.00            | 2399.936            | 7.217          | -28.761             | -12.783    | Pass   |
| NVNT      | ANT1    | 802.11b       | 2462.00            | 2483.536            | 8.121          | -43.660             | -11.879    | Pass   |
| NVNT      | ANT1    | 802.11g       | 2412.00            | 2398.256            | 4.082          | -20.411             | -15.918    | Pass   |
| NVNT      | ANT1    | 802.11g       | 2462.00            | 2483.632            | 5.445          | -29.648             | -14.555    | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2412.00            | 2398.704            | 4.271          | -18.008             | -15.729    | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2462.00            | 2484.496            | 5.430          | -28.166             | -14.570    | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2422.00            | 2399.496            | 2.340          | -20.084             | -17.660    | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2452.00            | 2484.496            | 2.249          | -22.659             | -17.751    | Pass   |

1 Reference\_Level\_NVNT\_ANT1\_802\_11b\_2412



2 Bandedge\_NVNT\_ANT1\_802\_11b\_2412



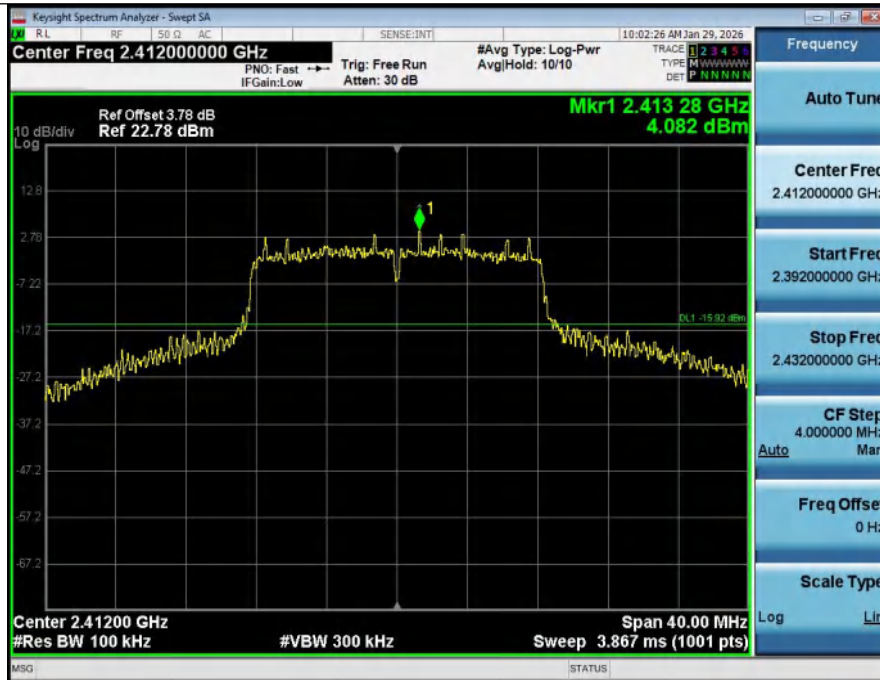
1 Reference\_Level\_NVNT\_ANT1\_802\_11b\_2462



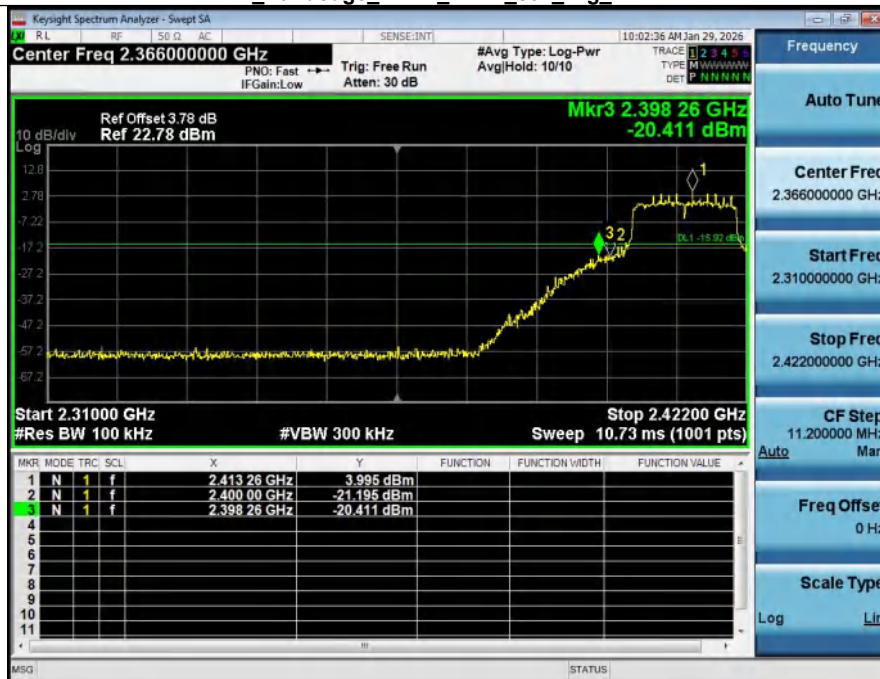
2\_Bandedge\_NVNT\_ANT1\_802\_11b\_2462



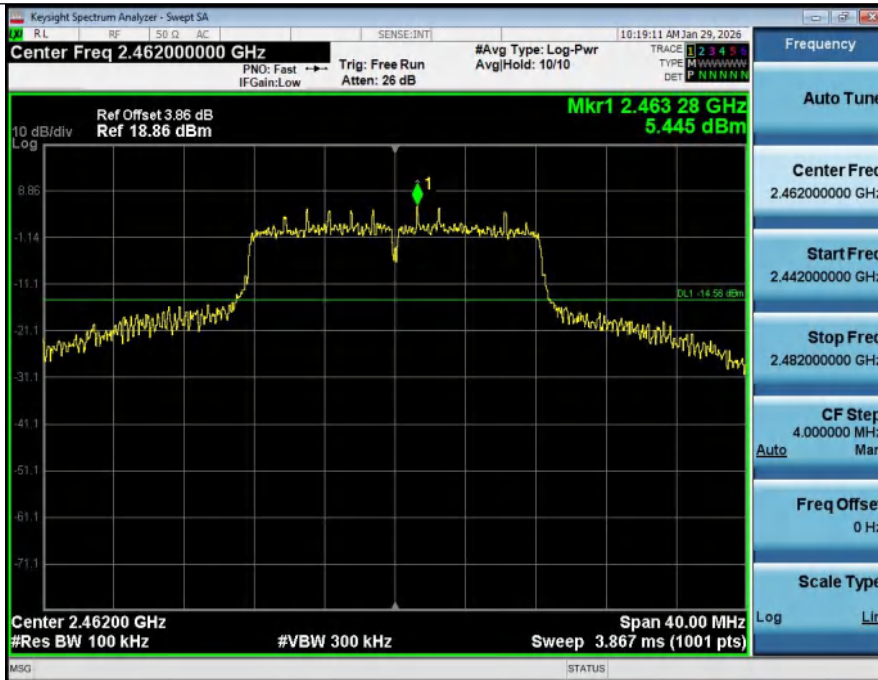
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2\_Bandedge\_NVNT\_ANT1\_802\_11g\_2412



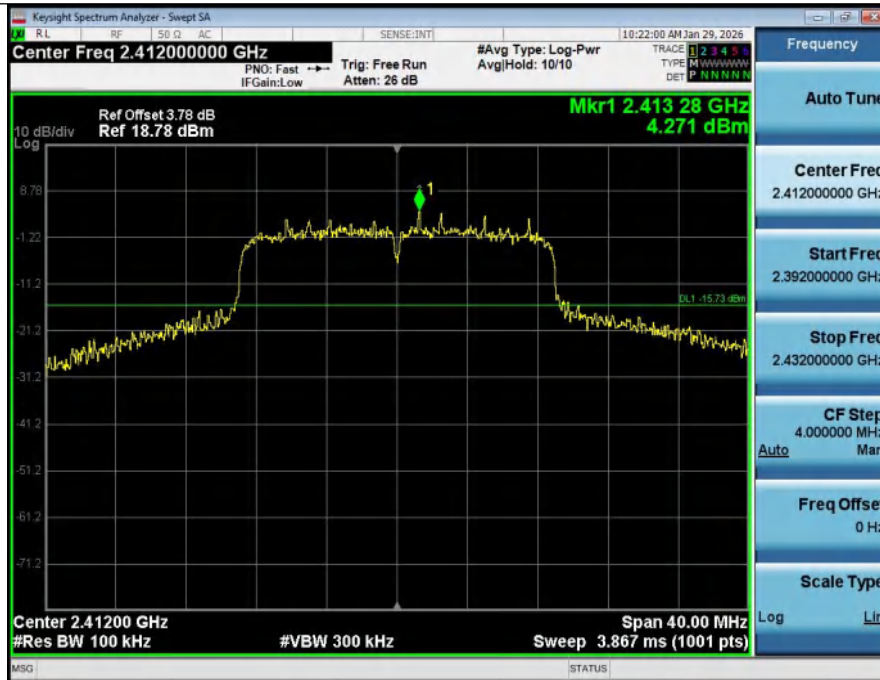
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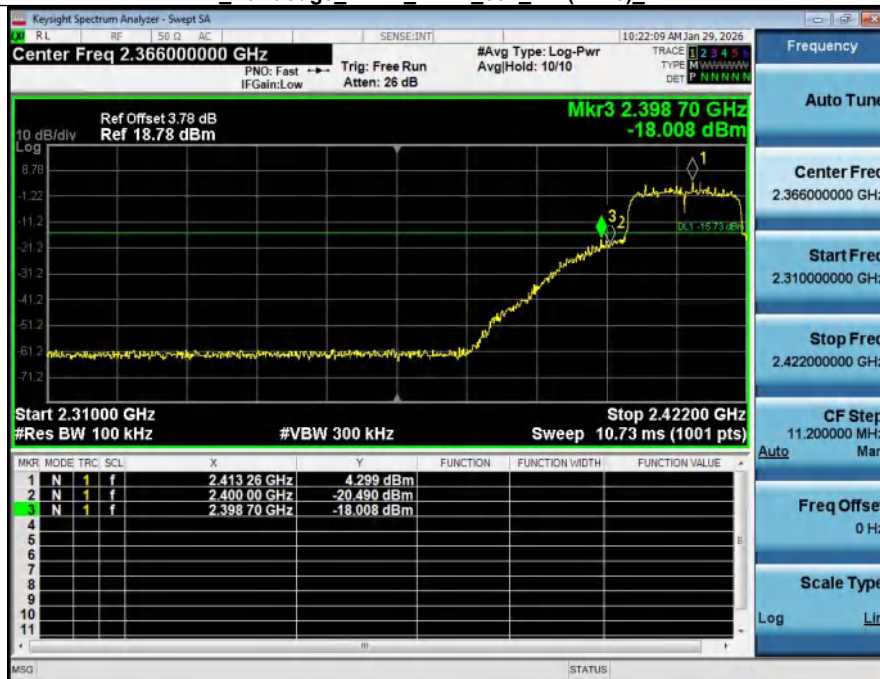
2\_Bandedge\_NVNT\_ANT1\_802\_11g\_2462



1\_Reference\_Level\_NVNT\_ANT1\_802\_11n(HT20)\_2412



2\_Bandedge\_NVNT\_ANT1\_802\_11n(HT20)\_2412



1\_Reference\_Level\_NVNT\_ANT1\_802\_11n(HT20)\_2462



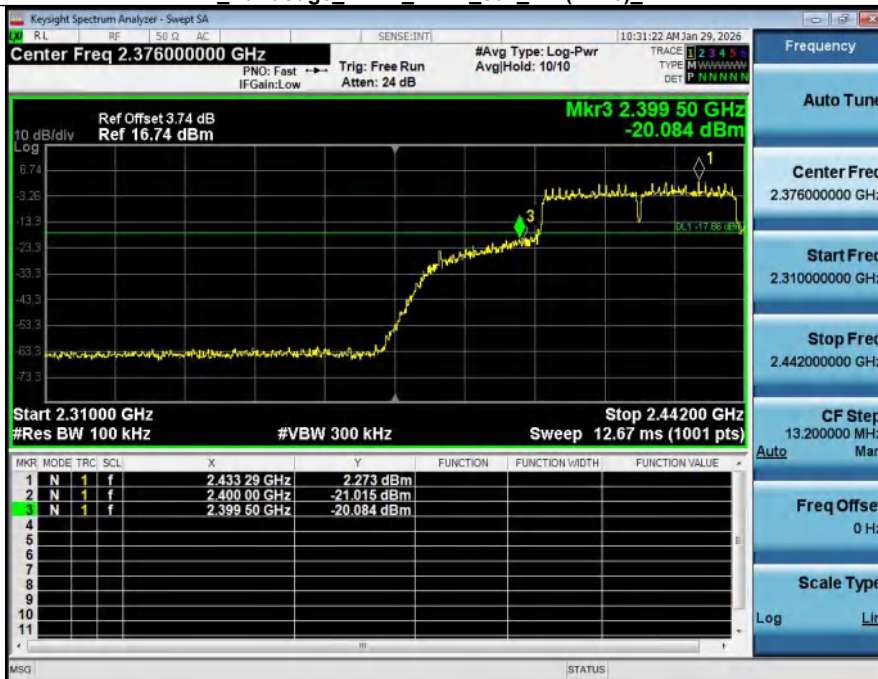
2\_Bandedge\_NVNT\_ANT1\_802\_11n(HT20)\_2462



1\_Reference\_Level\_NVNT\_ANT1\_802\_11n(HT40)\_2422



2\_Bandedge\_NVNT\_ANT1\_802\_11n(HT40)\_2422



1\_Reference\_Level\_NVNT\_ANT1\_802\_11n(HT40)\_2452



## 2\_Bandedge\_NVNT\_ANT1\_802\_11n(HT40)\_2452



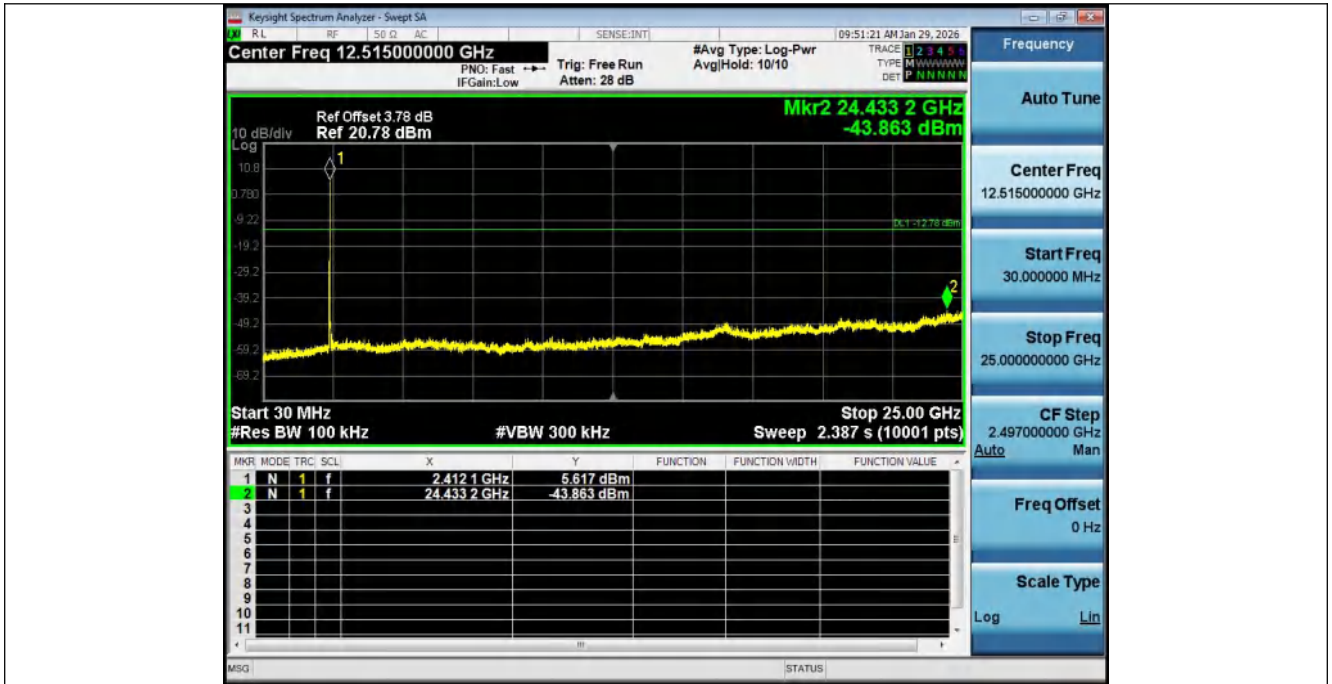
## 7. Spurious Emission

| Condition | Antenna | Modulation    | TX_Frequency (MHz) | Max. Mark_freq(MHz) | Ref_level(dBm) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|---------------|--------------------|---------------------|----------------|---------------------|------------|--------|
| NVNT      | ANT1    | 802.11b       | 2412.00            | 24433.181           | 7.217          | -43.863             | -12.783    | Pass   |
| NVNT      | ANT1    | 802.11b       | 2437.00            | 24775.270           | 7.871          | -38.244             | -12.129    | Pass   |
| NVNT      | ANT1    | 802.11b       | 2462.00            | 24987.515           | 8.121          | -36.995             | -11.879    | Pass   |
| NVNT      | ANT1    | 802.11g       | 2412.00            | 24990.012           | 4.082          | -41.447             | -15.918    | Pass   |
| NVNT      | ANT1    | 802.11g       | 2437.00            | 24930.084           | 4.206          | -45.510             | -15.794    | Pass   |
| NVNT      | ANT1    | 802.11g       | 2462.00            | 24972.533           | 5.445          | -45.864             | -14.555    | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2412.00            | 24975.030           | 4.271          | -45.780             | -15.729    | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2437.00            | 24795.246           | 5.182          | -46.543             | -14.818    | Pass   |
| NVNT      | ANT1    | 802.11n(HT20) | 2462.00            | 24970.036           | 5.430          | -39.549             | -14.570    | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2422.00            | 24885.138           | 2.340          | -48.411             | -17.660    | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2437.00            | 719.172             | 2.258          | -40.317             | -17.742    | Pass   |
| NVNT      | ANT1    | 802.11n(HT40) | 2452.00            | 24925.090           | 2.249          | -47.429             | -17.751    | Pass   |

1 Reference\_Level\_NVNT\_ANT1\_802\_11b\_2412



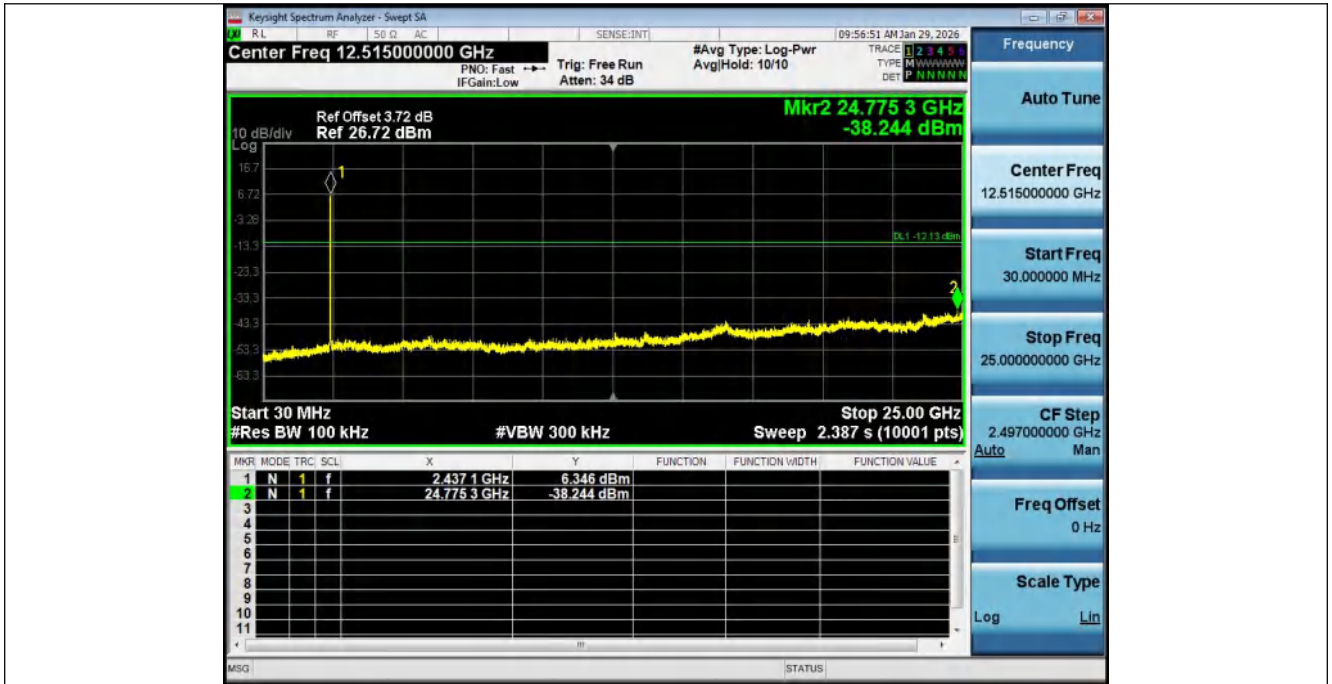
2 Spurious\_Emission\_NVNT\_ANT1\_802\_11b\_2412



### 1 Reference Level NVNT\_ANT1\_802\_11b\_2437



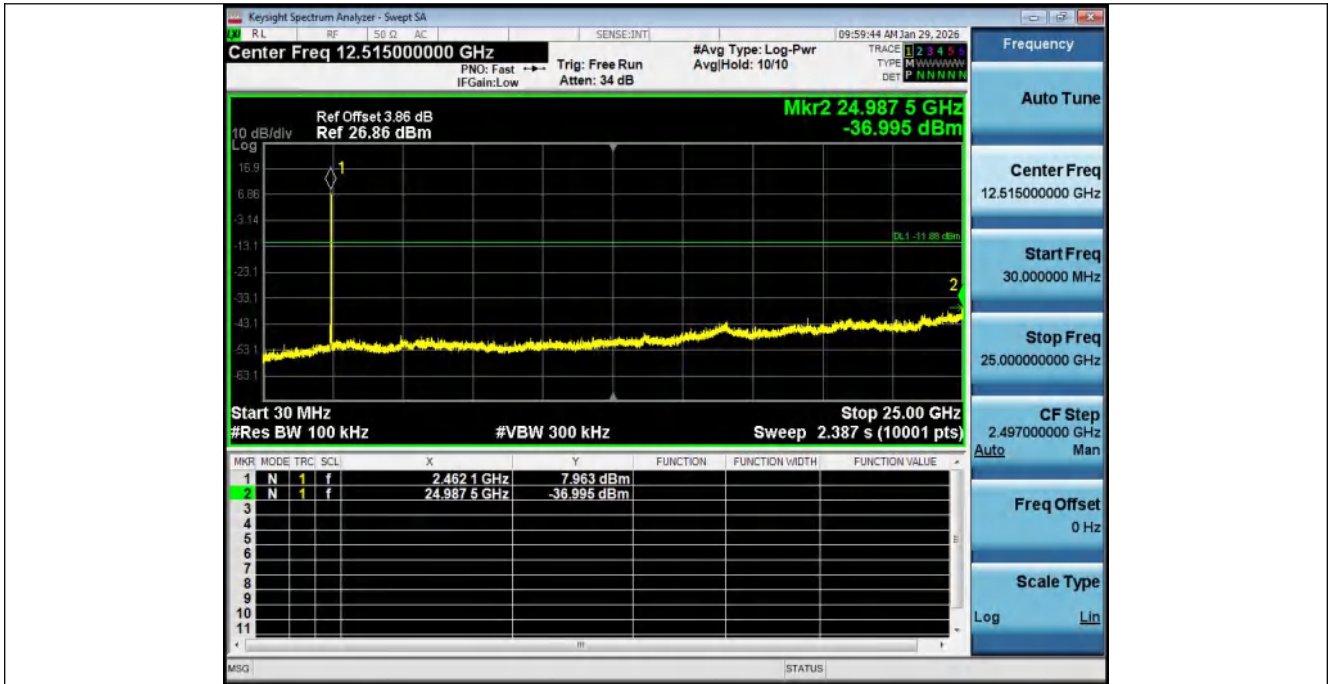
### 2 Spurious Emission NVNT\_ANT1\_802\_11b\_2437



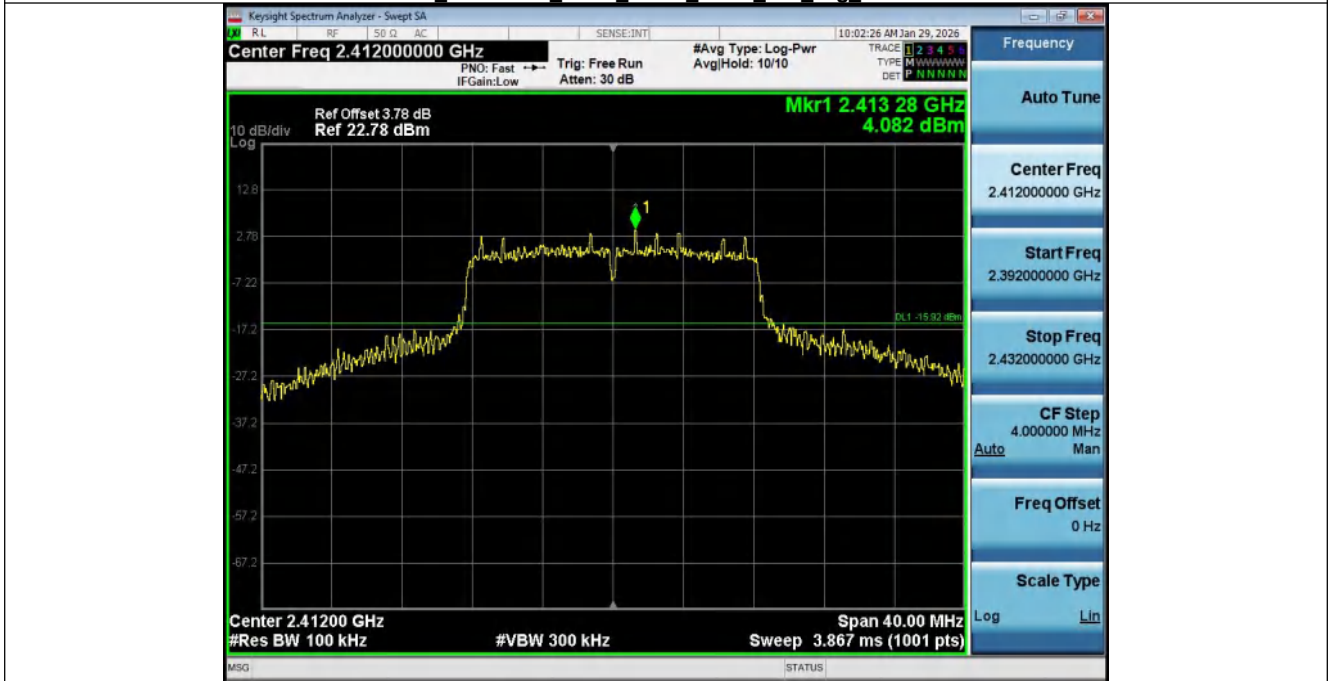
### 1 Reference Level NVNT\_ANT1\_802\_11b\_2462



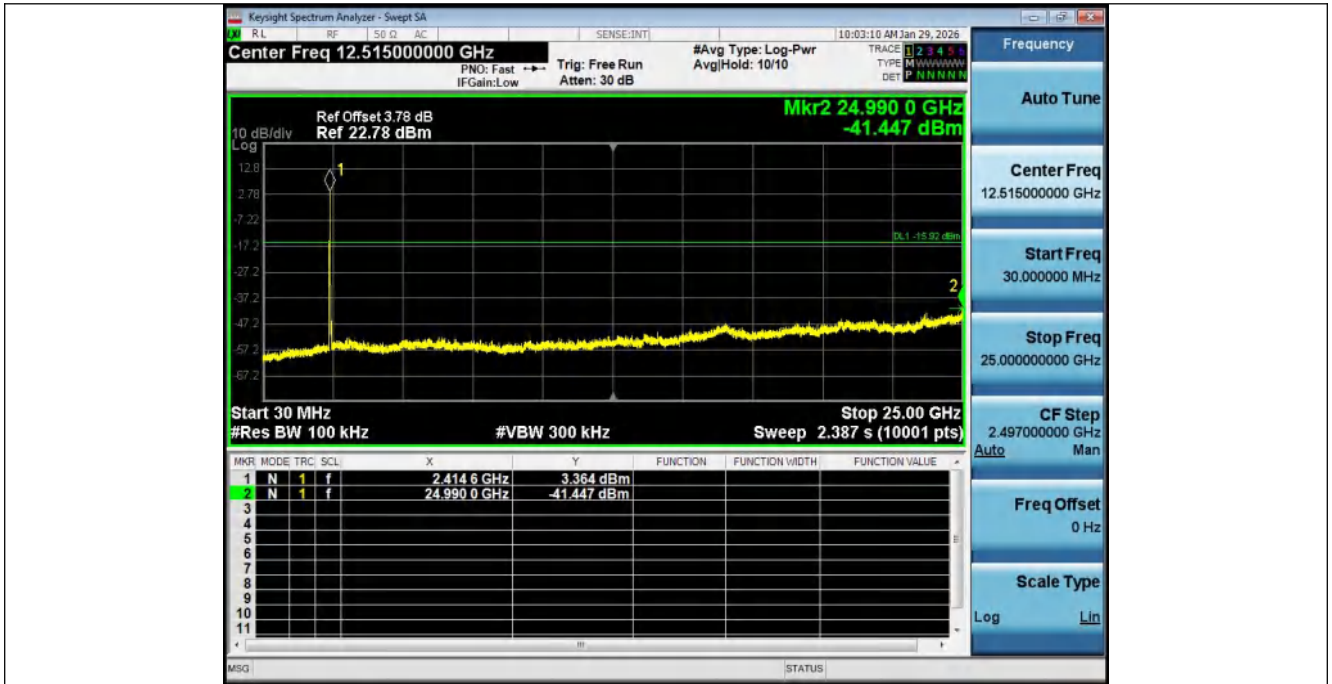
### 2 Spurious Emission NVNT\_ANT1\_802\_11b\_2462



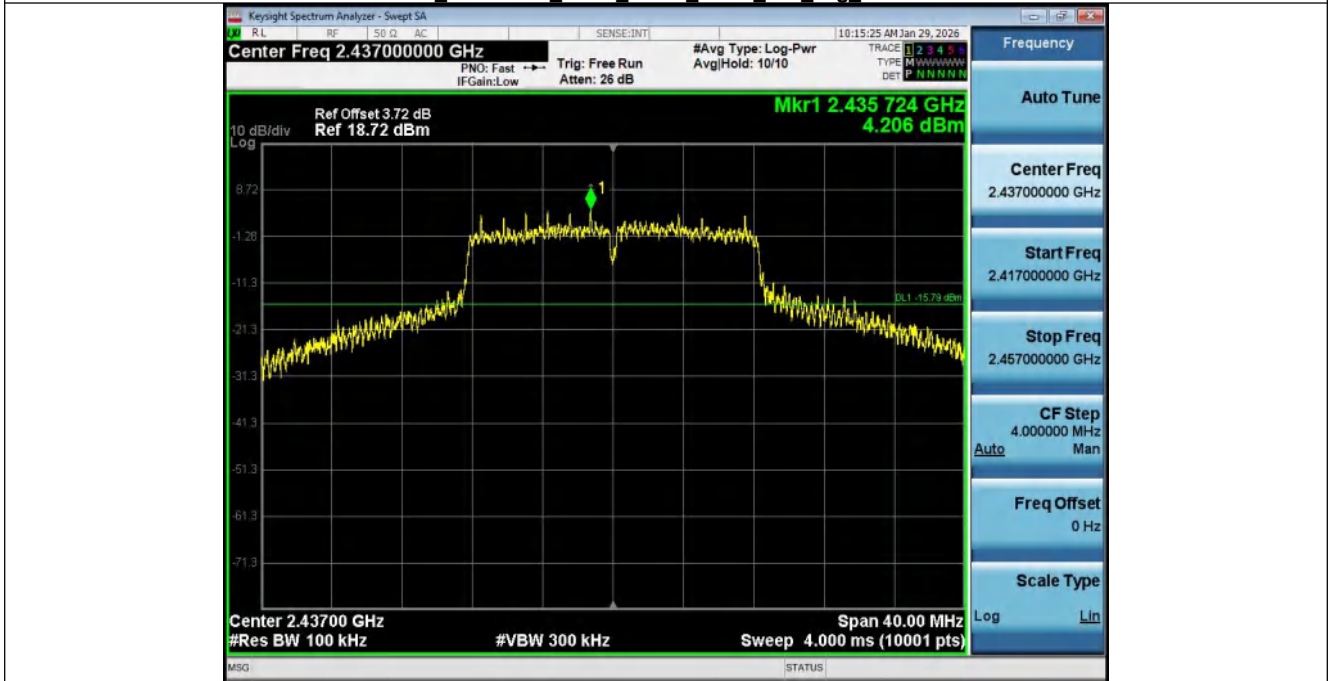
### 1 Reference Level NVNT\_ANT1\_802\_11g\_2412



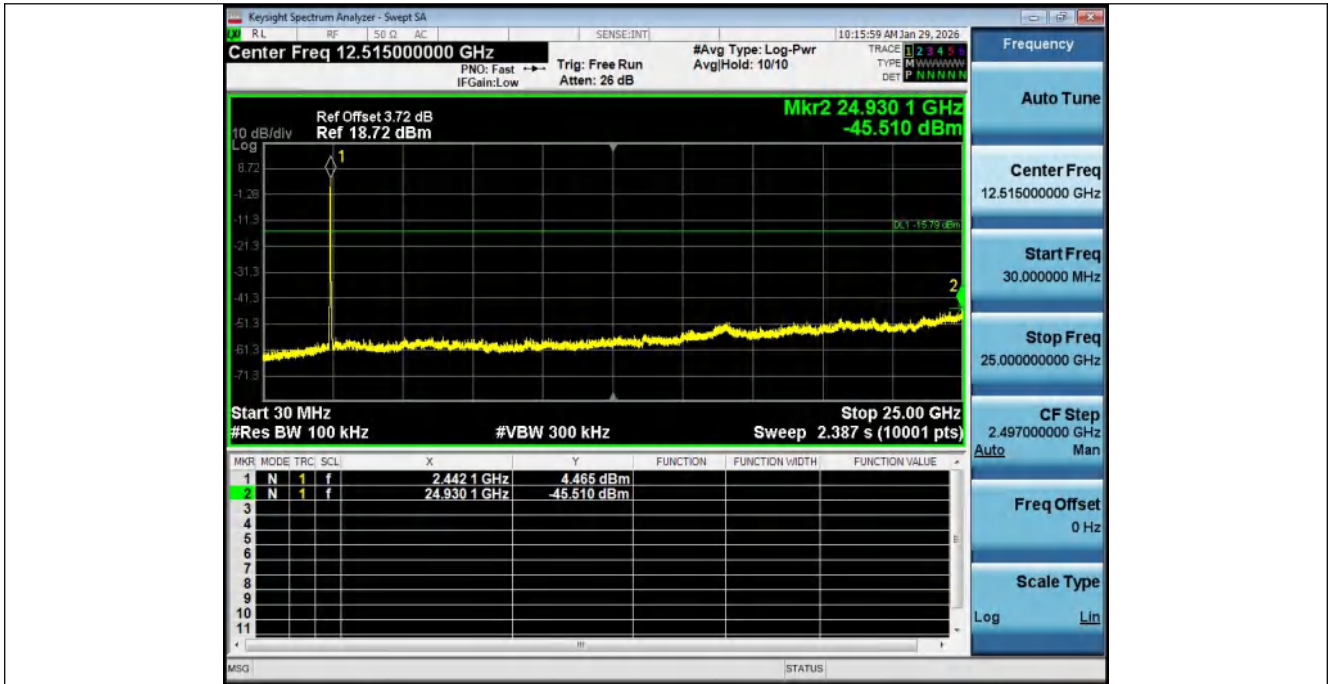
### 2 Spurious Emission NVNT\_ANT1\_802\_11g\_2412



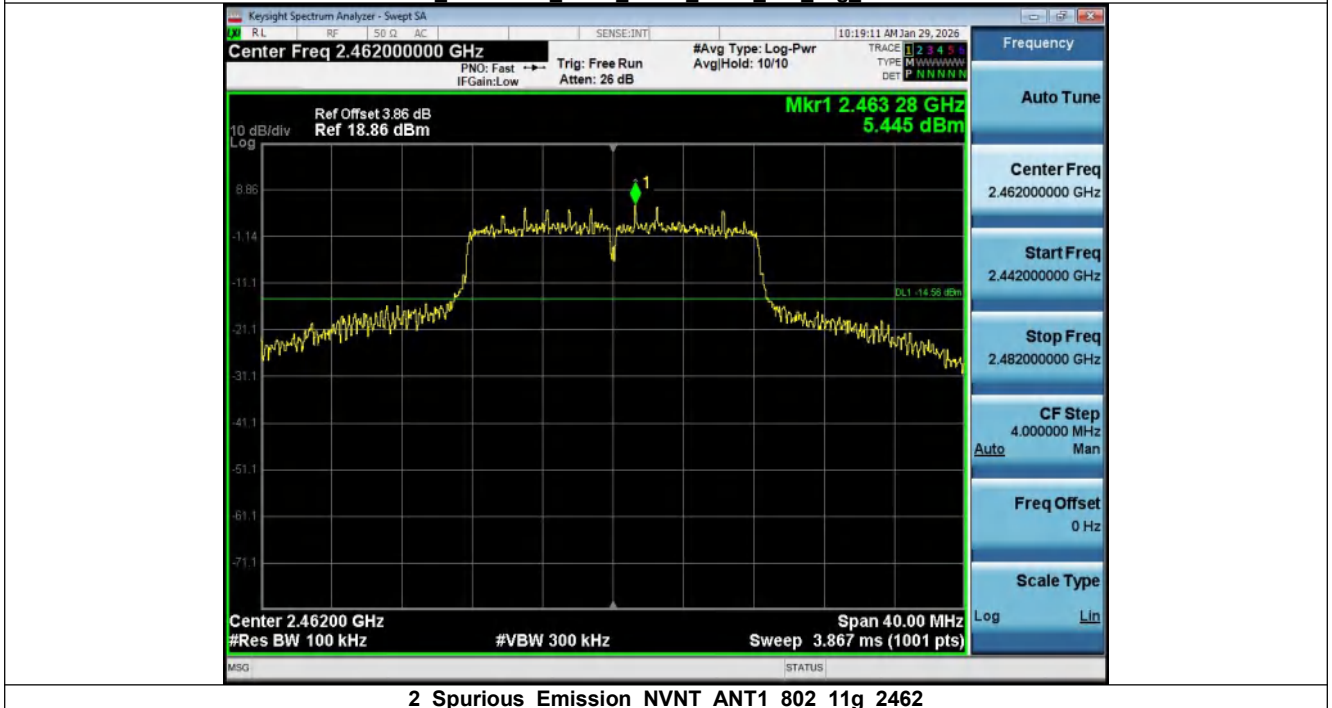
### 1 Reference Level NVNT\_ANT1\_802\_11g\_2437



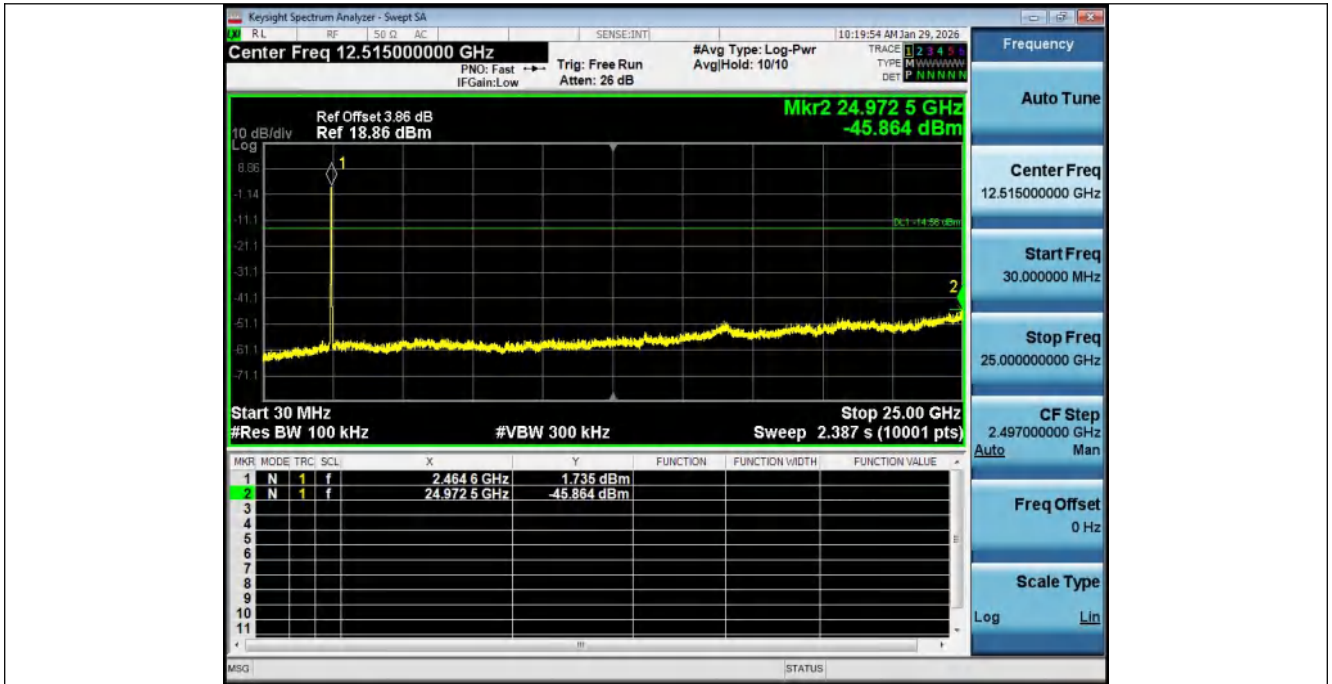
### 2 Spurious Emission NVNT\_ANT1\_802\_11g\_2437



### 1 Reference Level NVNT\_ANT1\_802\_11g\_2462



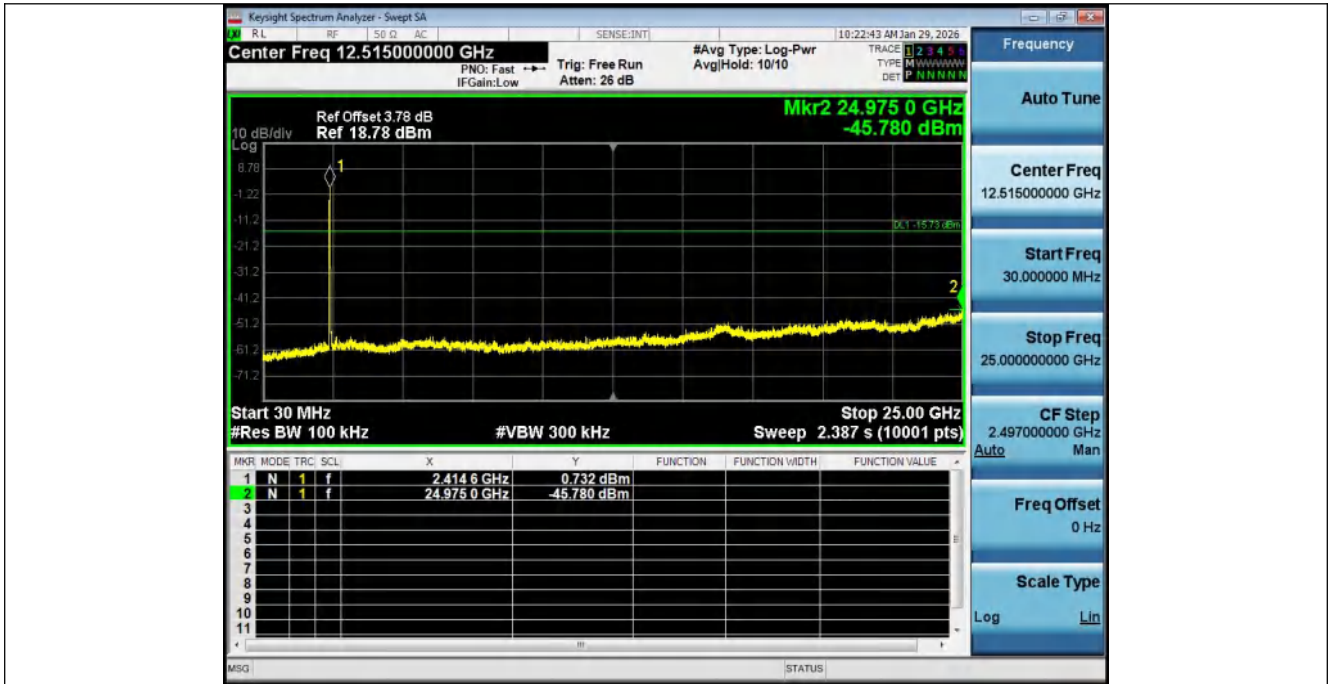
### 2 Spurious Emission NVNT\_ANT1\_802\_11g\_2462



### 1 Reference Level\_NVNT\_ANT1\_802\_11n(HT20)\_2412



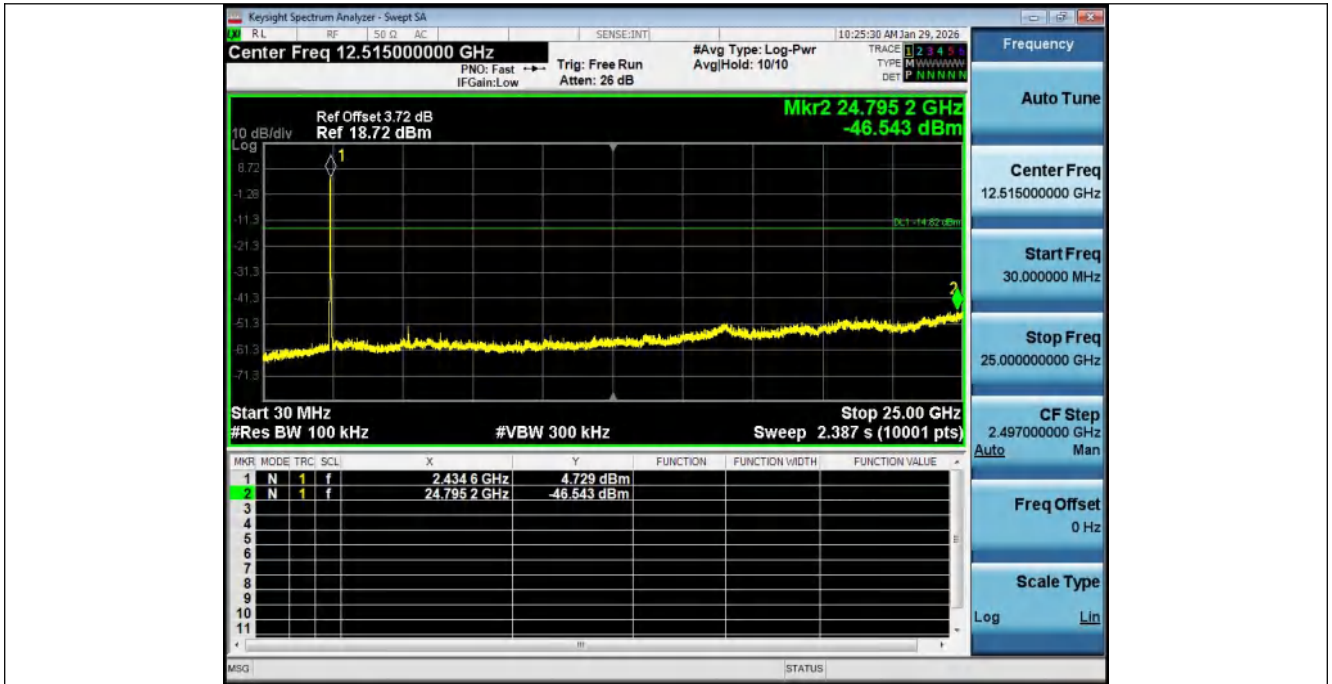
### 2 Spurious Emission\_NVNT\_ANT1\_802\_11n(HT20)\_2412



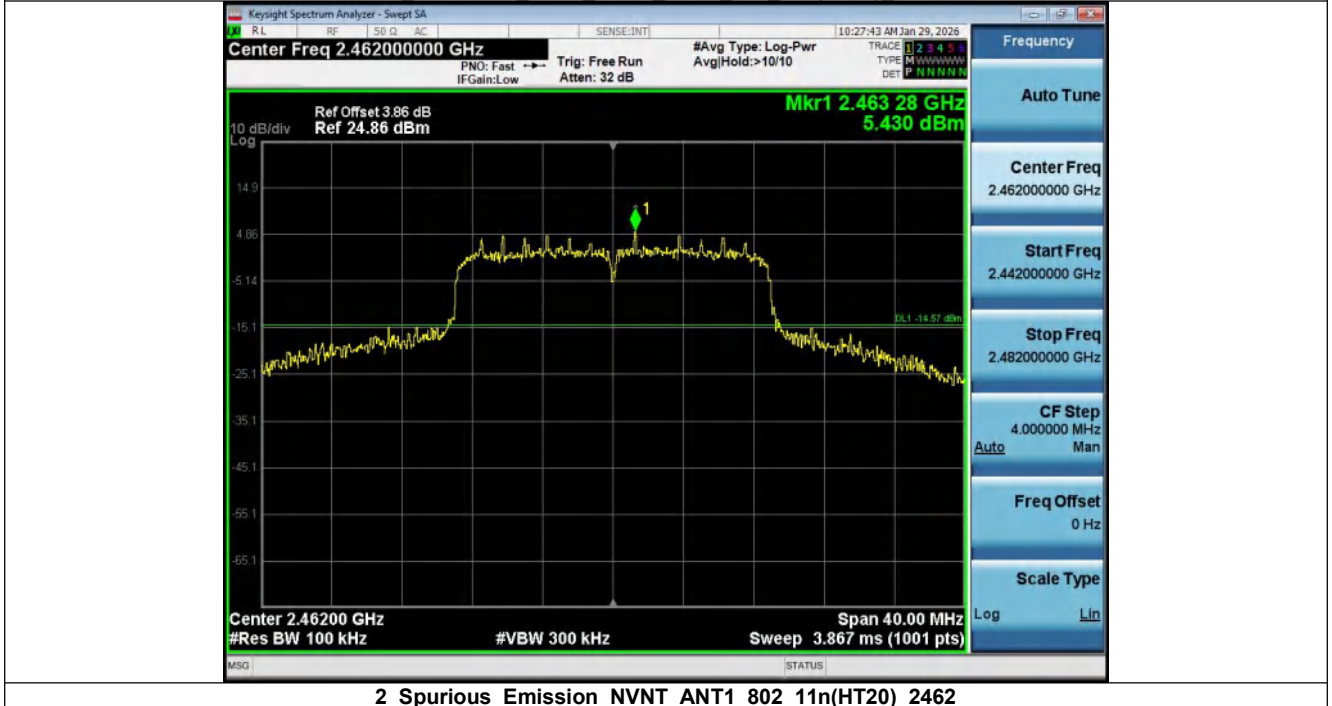
### 1 Reference Level\_NVNT\_ANT1\_802\_11n(HT20)\_2437



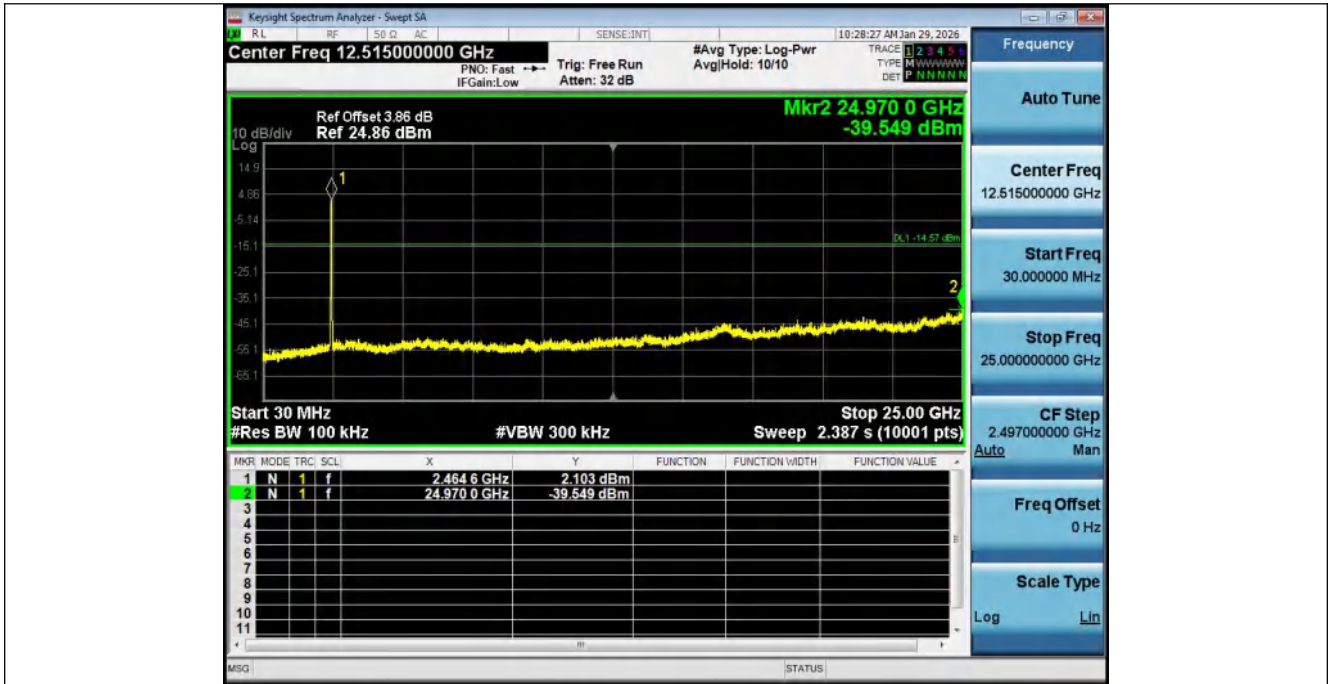
### 2 Spurious Emission\_NVNT\_ANT1\_802\_11n(HT20)\_2437



### 1 Reference Level\_NVNT\_ANT1\_802\_11n(HT20)\_2462



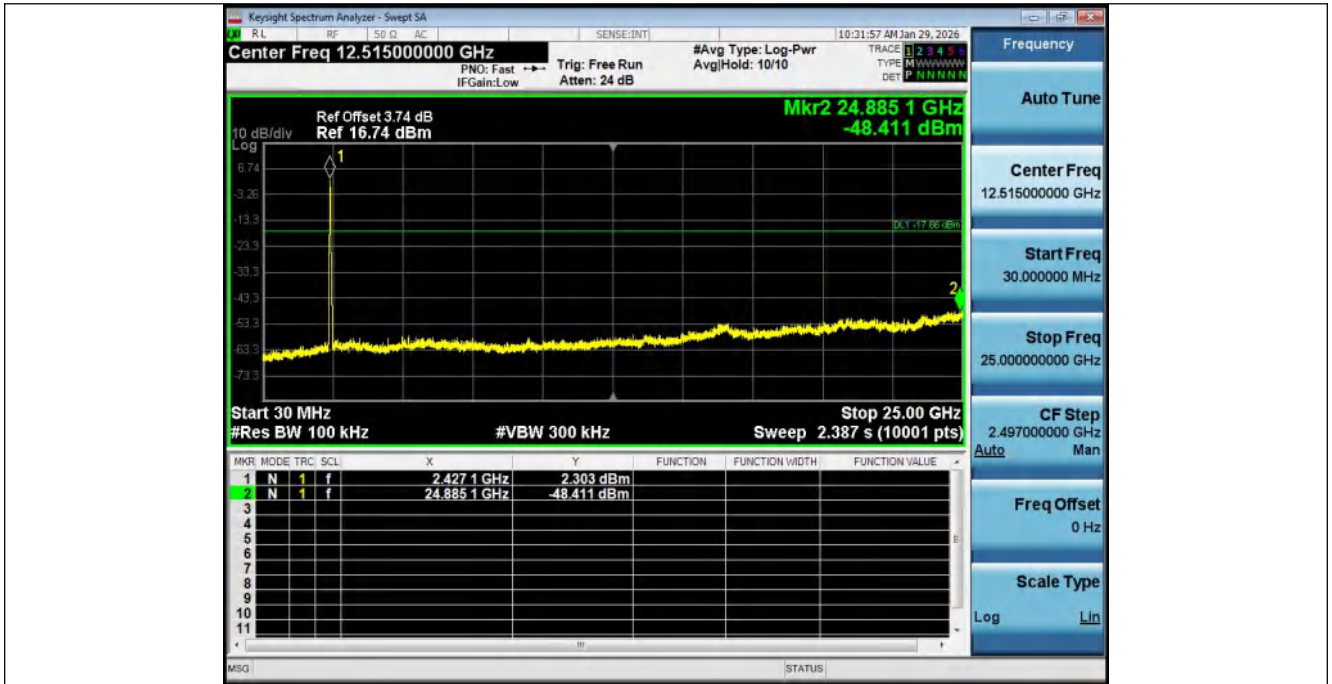
### 2 Spurious Emission\_NVNT\_ANT1\_802\_11n(HT20)\_2462



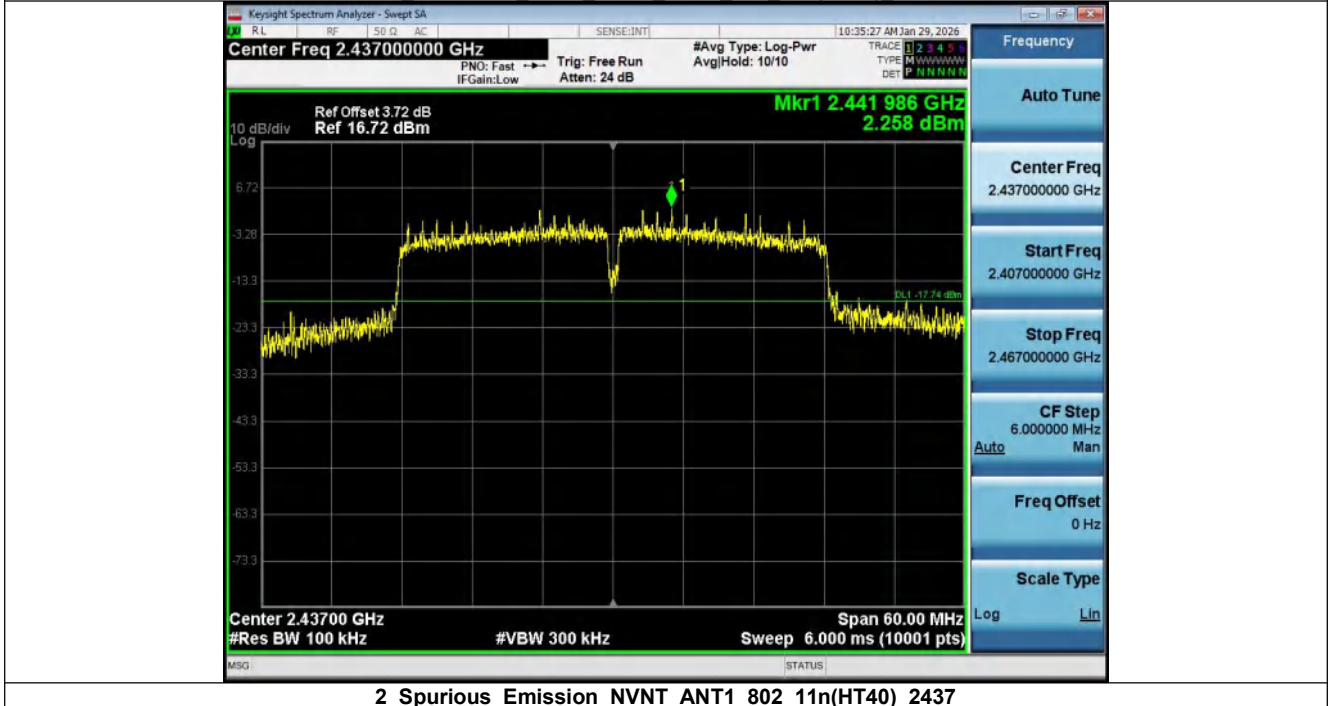
### 1 Reference Level\_NVNT\_ANT1\_802\_11n(HT40)\_2422



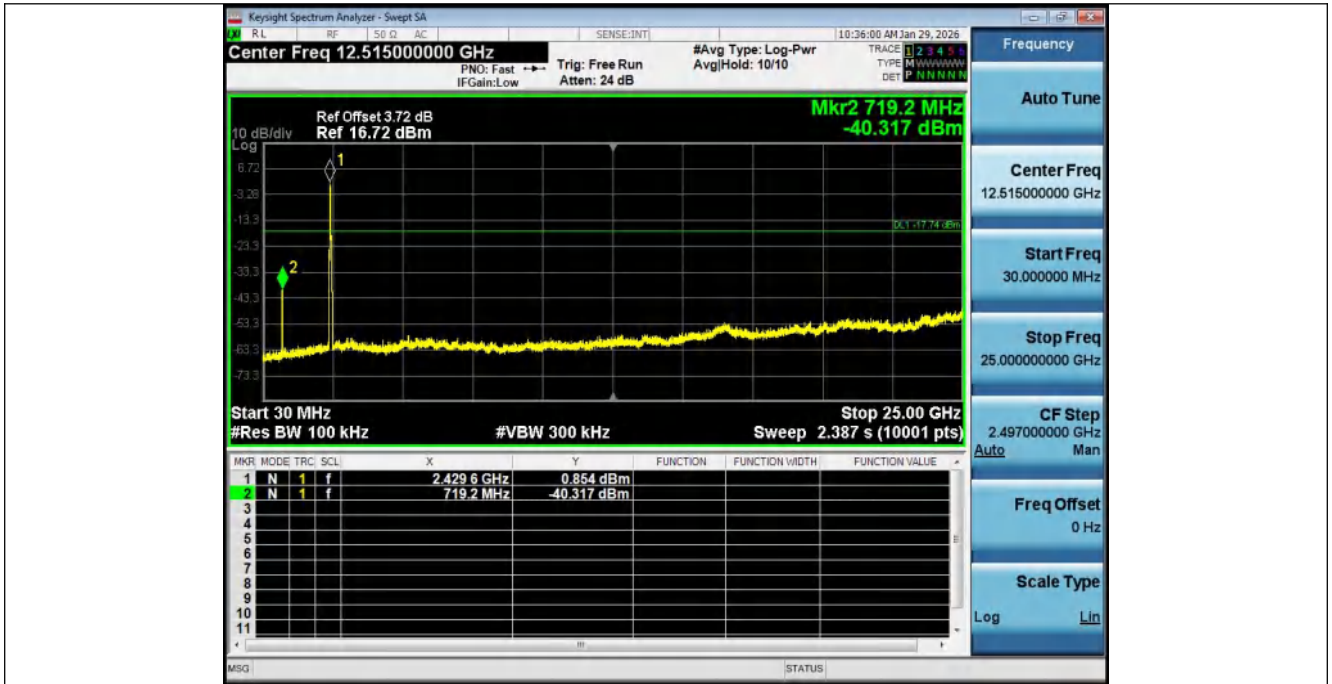
### 2 Spurious Emission\_NVNT\_ANT1\_802\_11n(HT40)\_2422



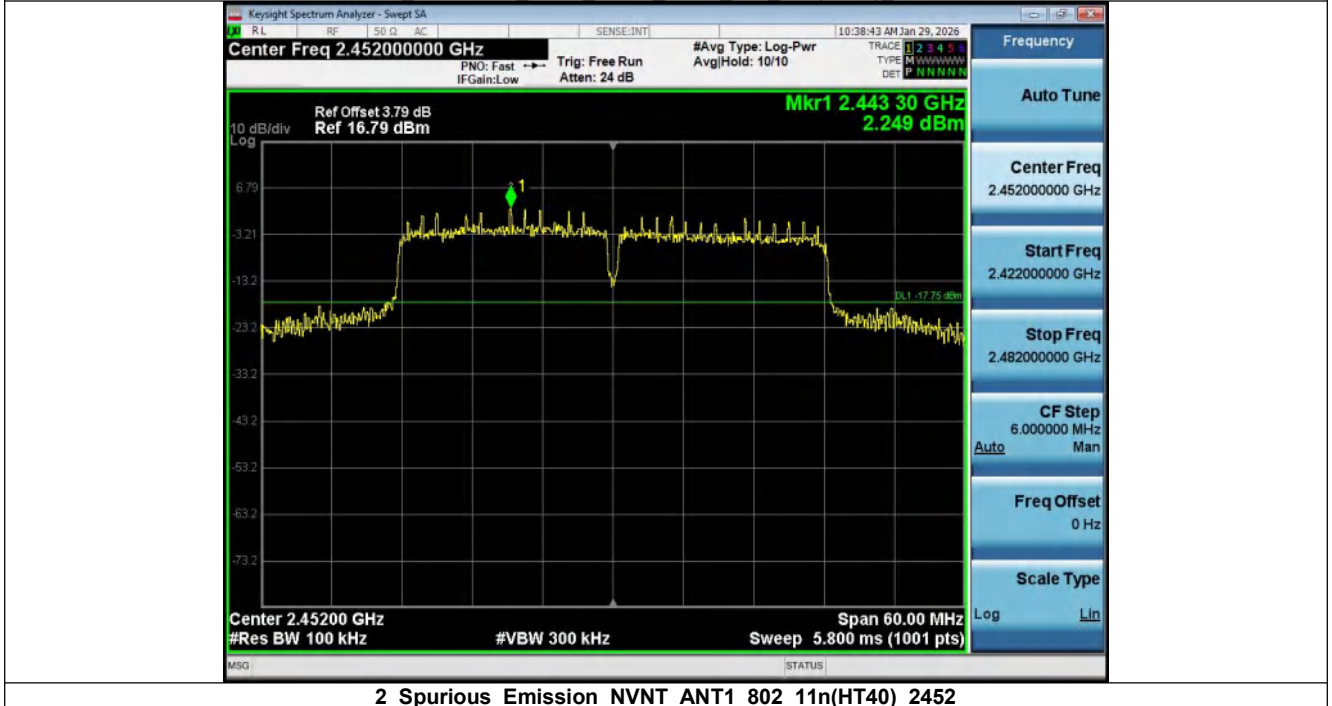
### 1 Reference Level\_NVNT\_ANT1\_802\_11n(HT40)\_2437



### 2 Spurious Emission\_NVNT\_ANT1\_802\_11n(HT40)\_2437



### 1 Reference Level\_NVNT\_ANT1\_802\_11n(HT40)\_2452



### 2 Spurious Emission\_NVNT\_ANT1\_802\_11n(HT40)\_2452

