

## 1. Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5260            | Ant1    | 73.11          | 1.36                   | 0.73      |
| NVNT      | a    | 5300            | Ant1    | 73.15          | 1.36                   | 0.73      |
| NVNT      | a    | 5320            | Ant1    | 73.15          | 1.36                   | 0.73      |
| NVNT      | a    | 5260            | Ant2    | 73.16          | 1.36                   | 0.73      |
| NVNT      | a    | 5300            | Ant2    | 73.15          | 1.36                   | 0.73      |
| NVNT      | a    | 5320            | Ant2    | 73.15          | 1.36                   | 0.73      |
| NVNT      | n20  | 5260            | Sum     | 71.82          | 1.44                   | 0.78      |
| NVNT      | n20  | 5300            | Sum     | 71.82          | 1.44                   | 0.78      |
| NVNT      | n20  | 5320            | Sum     | 71.7           | 1.44                   | 0.79      |
| NVNT      | n40  | 5270            | Sum     | 55.91          | 2.53                   | 1.58      |
| NVNT      | n40  | 5310            | Sum     | 55.99          | 2.52                   | 1.57      |



**Duty Cycle NVNT a 5320MHz Ant1**

**Agilent Spectrum Analyzer - Swept SA**

Center Freq 5.32000000 GHz

Ref Offset 4.6 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 179.0  $\mu$ s  
-3.33 dBm

Center 5.32000000 GHz  
Res BW 1.0 MHz  
#VBW 3.0 MHz  
Sweep 10.00 ms (10001 pts)  
Span 0 Hz

| MKS | MODE | TRC | SCL | X             | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|------------|----------|----------------|----------------|
| 1   | N    | 1   | t   | 179.0 $\mu$ s | -3.33 dBm  |          |                |                |
| 2   | N    | 1   | t   | 679.0 $\mu$ s | -26.91 dBm |          |                |                |
| 3   | N    | 1   | t   | 2.041 ms      | -3.32 dBm  |          |                |                |

**Duty Cycle NVNT a 5260MHz Ant2**

**Analyzer Settings:**

- Center Freq: 5.26000000 GHz
- Ref Offset: 4.55 dB
- Ref: 30.00 dBm
- Span: 0 Hz
- Res BW: 1.0 MHz
- #VBW: 3.0 MHz
- Sweep: 10.00 ms (10001 pts)

**Signal Measurements:**

| Mkr | Mode | TRC | SCL | X             | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|------------|----------|----------------|----------------|
| 1   | N    | 1   | t   | 717.0 $\mu$ s | -3.56 dBm  |          |                |                |
| 2   | N    | 1   | t   | 1.217 ms      | -31.19 dBm |          |                |                |
| 3   | N    | 1   | t   | 2.580 ms      | -31.38 dBm |          |                |                |

[illegible]

**Duty Cycle NVNT a 5320MHz Ant2**

**Analyzer Settings:**  
 Center Freq: 5.32000000 GHz  
 Res BW: 1.0 MHz  
 Span: 0 Hz  
 Sweep: 10.00 ms (10001 pts)  
 Ref Offset: 4.5 dB  
 Ref: 30.00 dBm  
 PNO: Fast IF Gain: Low  
 Trig: Free Run #Atten: 40 dB  
 Avg Type: Log-Pwr

| Mkr | Mode | Trig | SCL | X        | Y          | Function | Function Width | Function Value |
|-----|------|------|-----|----------|------------|----------|----------------|----------------|
| 1   | N    | 1    | t   | 1.744 ms | -10.37 dBm |          |                |                |
| 2   | N    | 1    | t   | 2.244 ms | -24.65 dBm |          |                |                |
| 3   | N    | 1    | t   | 3.606 ms | -4.37 dBm  |          |                |                |

**Duty Cycle VNVT n20 5260MHz Sum**

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.260000000 GHz      PNO: Fast      Trig: Free Run      Avg Type: Log-Pwr      02:46:17 PM Dec 05, 2024

IF Gain: Low      #Atten: 40 dB      TYPE: WWWWWWWW      DET: P N N N N N

Ref Offset 4.59 dB      Mkr1 62.00  $\mu$ s  
 Ref 30.00 dBm      -5.70 dBm

10 dB/div      Log

Center 5.260000000 GHz      Span 0 Hz  
 Res BW 1.0 MHz      #VBW 3.0 MHz      Sweep 20.00 ms (10001 pts)

| MKS | MODE | TRC | SCL | X             | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|------------|----------|----------------|----------------|
| 1   | N    | 1   | t   | 62.00 $\mu$ s | -5.70 dBm  |          |                |                |
| 2   | N    | 1   | t   | 562.0 $\mu$ s | -13.77 dBm |          |                |                |
| 3   | N    | 1   | t   | 1.836 ms      | -2.95 dBm  |          |                |                |
| 4   |      |     |     |               |            |          |                |                |
| 5   |      |     |     |               |            |          |                |                |
| 6   |      |     |     |               |            |          |                |                |
| 7   |      |     |     |               |            |          |                |                |
| 8   |      |     |     |               |            |          |                |                |
| 9   |      |     |     |               |            |          |                |                |
| 10  |      |     |     |               |            |          |                |                |
| 11  |      |     |     |               |            |          |                |                |

MSG      STATUS

### Duty Cycle NVNT n20 5300MHz Sum

**Analyzer Settings:**

- Center Freq: 5.300000000 GHz
- Ref Offset: 4.6 dB
- Ref: 30.00 dBm
- Span: 0 Hz
- Res BW: 1.0 MHz
- #VBW: 3.0 MHz
- Sweep: 20.0 ms (10001 pts)

**Signal Characteristics:**

- Trace: 1 (Mkr1)
- Level: 426.0  $\mu$ s
- Attenuation: -2.89 dBm

**Measurement Data:**

| MKR | MODE | TRC | SCL | X             | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|------------|----------|----------------|----------------|
| 1   | N    | 1   | t   | 426.0 $\mu$ s | -2.89 dBm  |          |                |                |
| 2   | N    | 1   | t   | 926.0 $\mu$ s | -16.53 dBm |          |                |                |
| 3   | N    | 1   | t   | 2.200 ms      | -2.77 dBm  |          |                |                |

**Duty Cycle NVNT n20 5320MHz Sum**

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.32000000 GHz

Ref Offset 4.6 dB  
Ref 30.00 dBm

10 dB/div  
Log

Span 0 Hz  
Res BW 1.0 MHz  
#VBW 3.0 MHz  
Sweep 20.00 ms (10001 pts)

Mkr1 380.0  $\mu$ s  
-2.85 dBm

| MKS | MODE | TRC | SCL | X             | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|------------|----------|----------------|----------------|
| 1   | N    | 1   | t   | 380.0 $\mu$ s | -2.85 dBm  |          |                |                |
| 2   | N    | 1   | t   | 882.0 $\mu$ s | -10.69 dBm |          |                |                |
| 3   | N    | 1   | t   | 2.154 ms      | -2.87 dBm  |          |                |                |

**Duty Cycle NVNT n40 5270MHz Sum**

**Analyzer Settings:**  
 Center Freq: 5.270000000 GHz  
 Res BW: 1.0 MHz  
 #VBW: 3.0 MHz  
 Span: 0 Hz  
 Sweep: 20.00 ms (10001 pts)  
 Ref Offset: 4.59 dB  
 Ref: 20.00 dBm  
 PNO: Fast IF Gain: Low  
 Trig: Free Run #Atten: 30 dB  
 Avg Type: Log-Pwr

**Measurement Results:**  
 Mkr1: 968.0  $\mu$ s  
 -10.48 dBm

| MKR | MODE | TRC | SCL | X             | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|------------|----------|----------------|----------------|
| 1   | N    | 1   | t   | 968.0 $\mu$ s | -10.48 dBm |          |                |                |
| 2   | N    | 1   | t   | 1.468 ms      | -23.55 dBm |          |                |                |
| 3   | N    | 1   | t   | 2.102 ms      | -10.45 dBm |          |                |                |



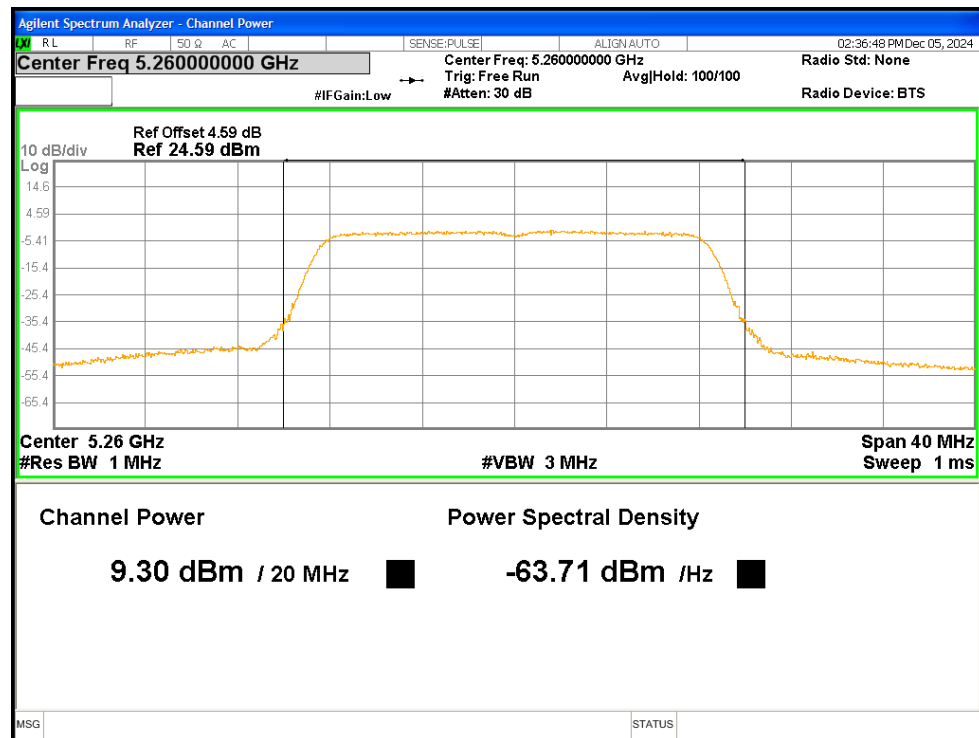
## 2. Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5260            | Ant1    | 9.3                   | 1.36             | 10.66             | <=23.69     | Pass    |
| NVNT      | a    | 5300            | Ant1    | 9.47                  | 1.36             | 10.83             | <=23.69     | Pass    |
| NVNT      | a    | 5320            | Ant1    | 9.68                  | 1.36             | 11.04             | <=23.68     | Pass    |
| NVNT      | a    | 5260            | Ant2    | 9.39                  | 1.36             | 10.75             | <=23.69     | Pass    |
| NVNT      | a    | 5300            | Ant2    | 9.58                  | 1.36             | 10.94             | <=23.7      | Pass    |
| NVNT      | a    | 5320            | Ant2    | 9.96                  | 1.36             | 11.32             | <=23.7      | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 6.48                  | 1.44             | 7.92              | <=23.92     | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 7.2                   | 1.44             | 8.64              | <=23.92     | Pass    |
| NVNT      | n20  | 5260            | Sum     | 9.87                  | 1.44             | 11.31             | <=21.11     | Pass    |
| NVNT      | n20  | 5300            | Ant1    | 6.21                  | 1.44             | 7.65              | <=23.93     | Pass    |
| NVNT      | n20  | 5300            | Ant2    | 7.62                  | 1.44             | 9.06              | <=23.93     | Pass    |
| NVNT      | n20  | 5300            | Sum     | 9.98                  | 1.44             | 11.42             | <=21.12     | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 6.21                  | 1.44             | 7.65              | <=23.9      | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 7.98                  | 1.44             | 9.42              | <=23.9      | Pass    |
| NVNT      | n20  | 5320            | Sum     | 10.19                 | 1.44             | 11.63             | <=21.09     | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 5.44                  | 2.53             | 7.97              | <=24        | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 6.53                  | 2.53             | 9.06              | <=24        | Pass    |
| NVNT      | n40  | 5270            | Sum     | 9.03                  | 2.53             | 11.56             | <=21.19     | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 4.96                  | 2.52             | 7.48              | <=24        | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 6.58                  | 2.52             | 9.1               | <=24        | Pass    |
| NVNT      | n40  | 5310            | Sum     | 8.86                  | 2.52             | 11.38             | <=21.19     | Pass    |

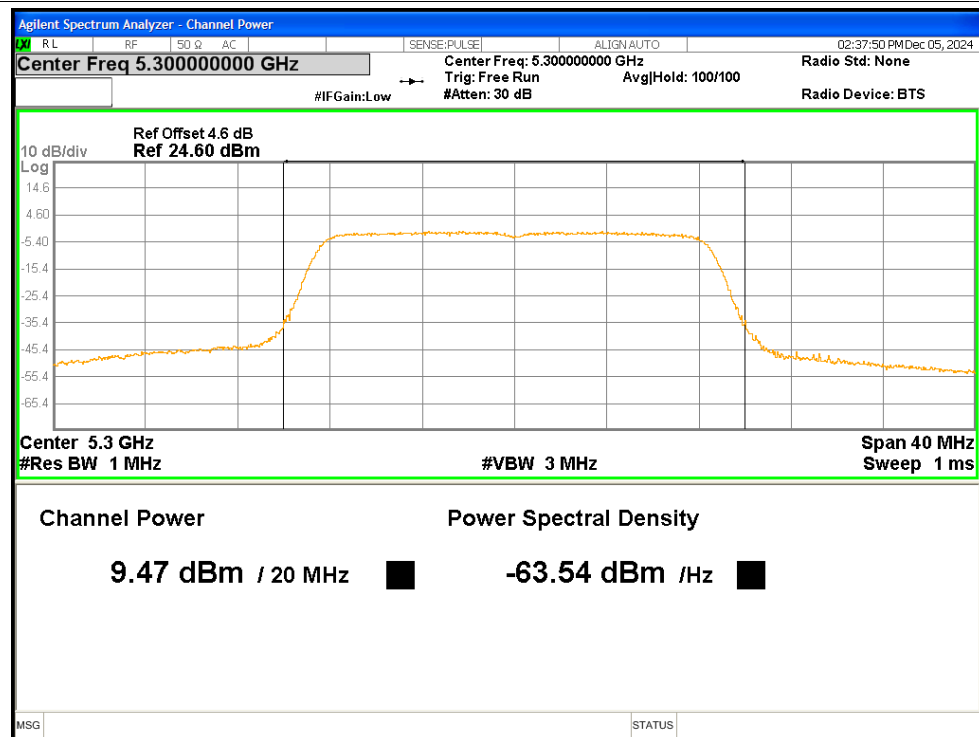


## Test Graphs

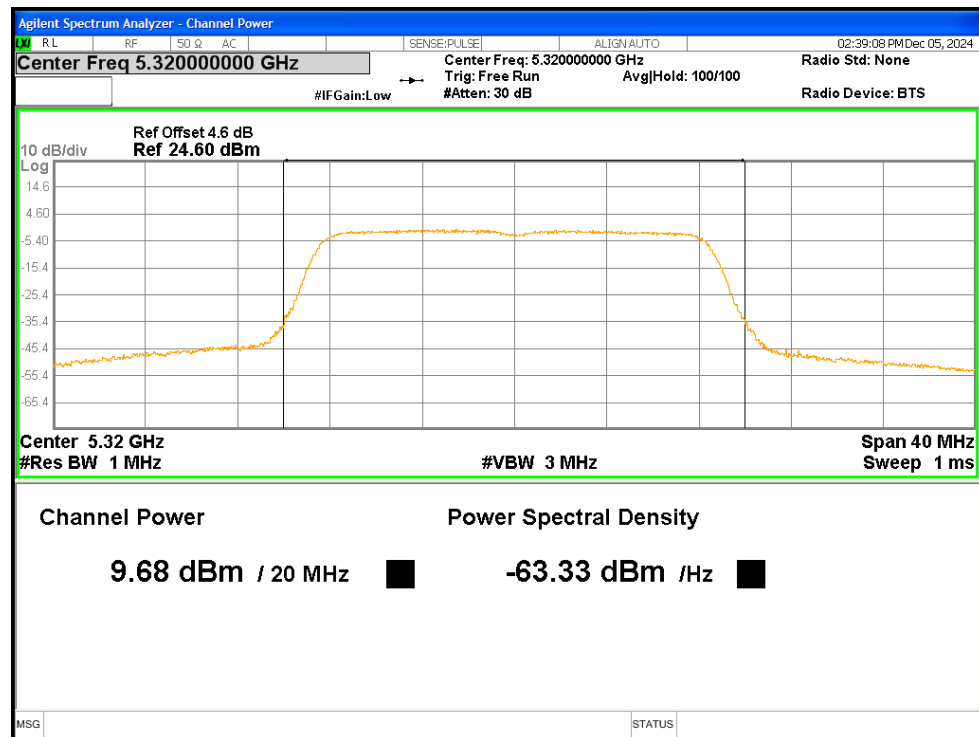
## Power NVNT a 5260MHz Ant1



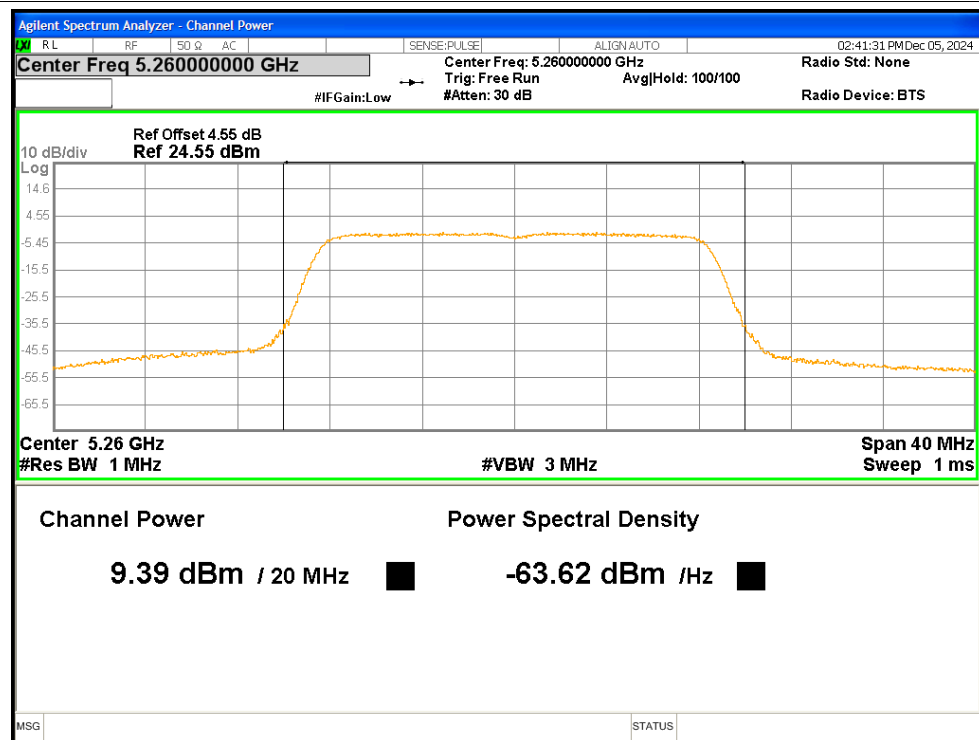
## Power NVNT a 5300MHz Ant1



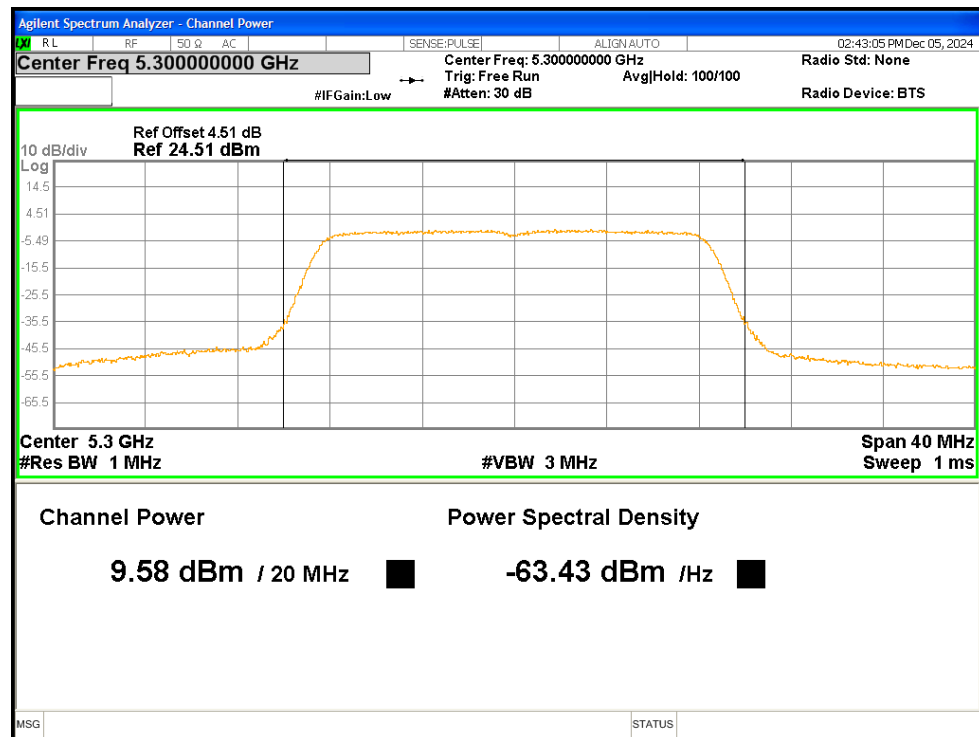
## Power NVNT a 5320MHz Ant1



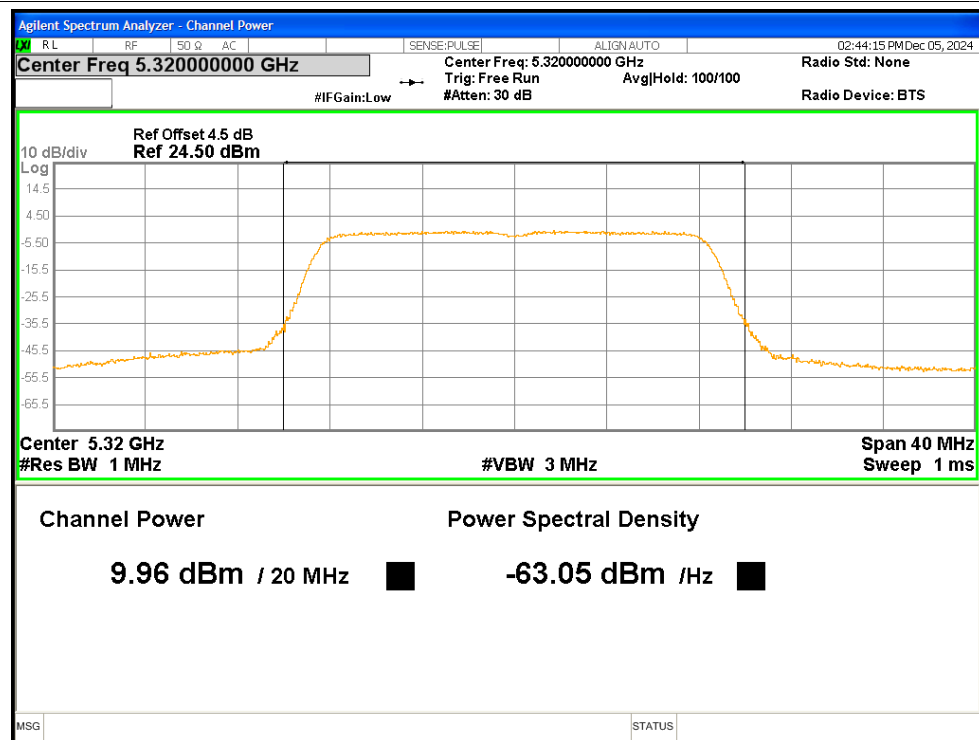
## Power NVNT a 5260MHz Ant2



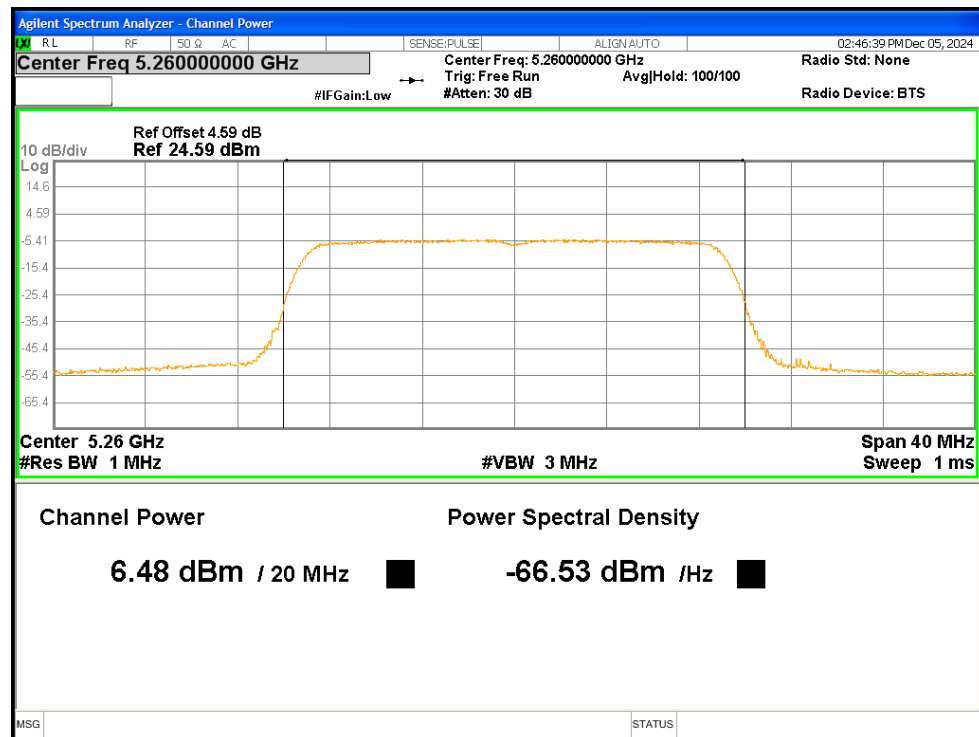
## Power NVNT a 5300MHz Ant2



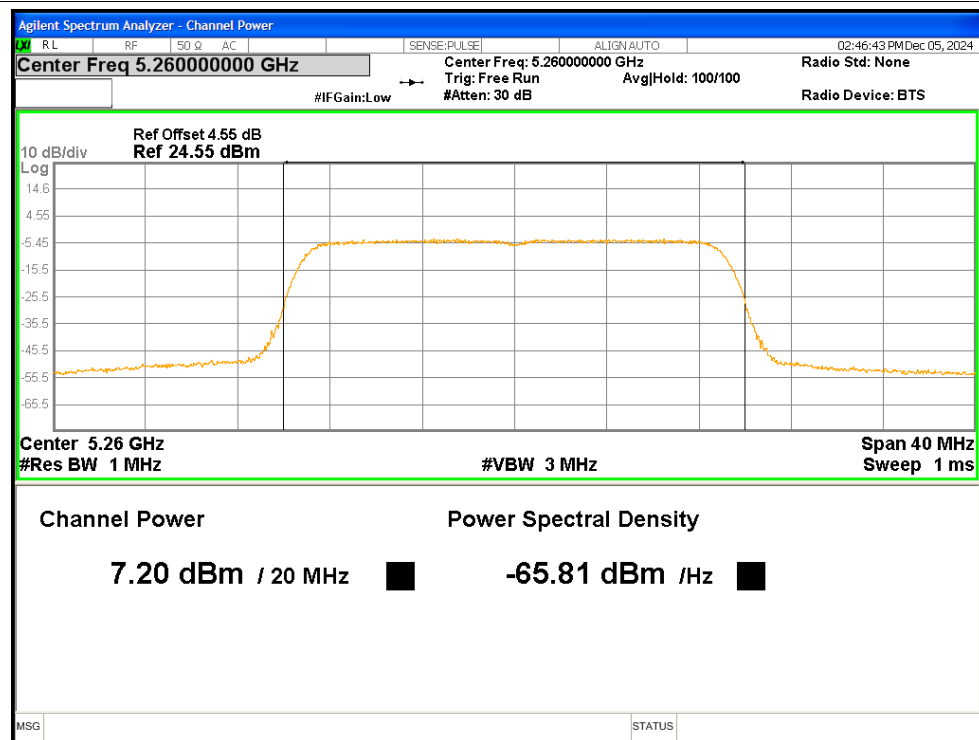
## Power NVNT a 5320MHz Ant2



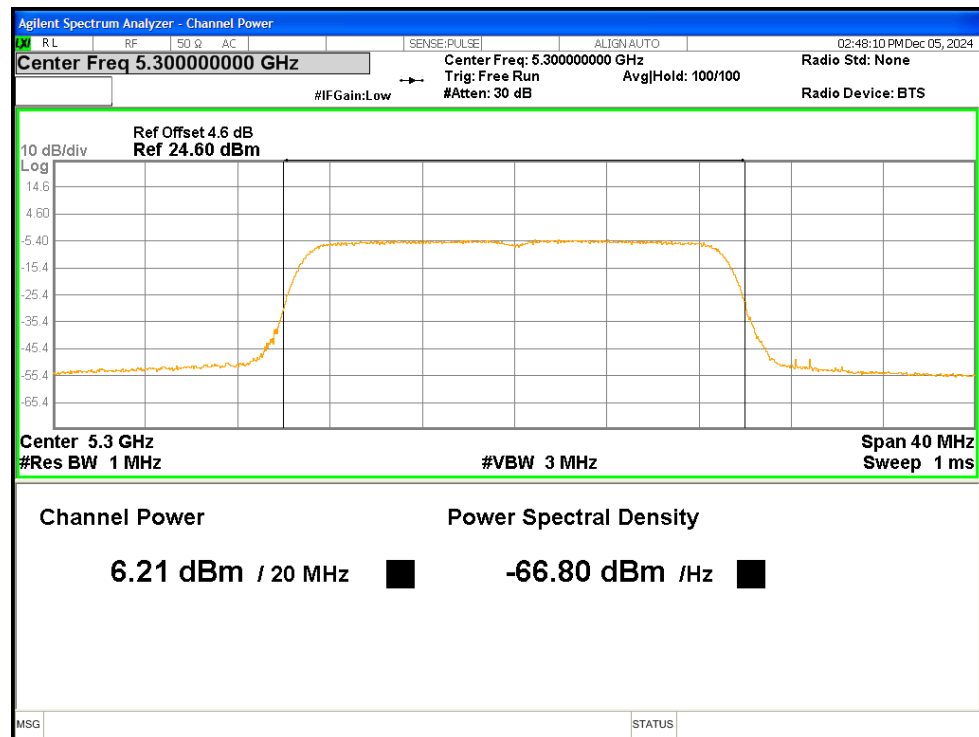
## Power NVNT n20 5260MHz Ant1



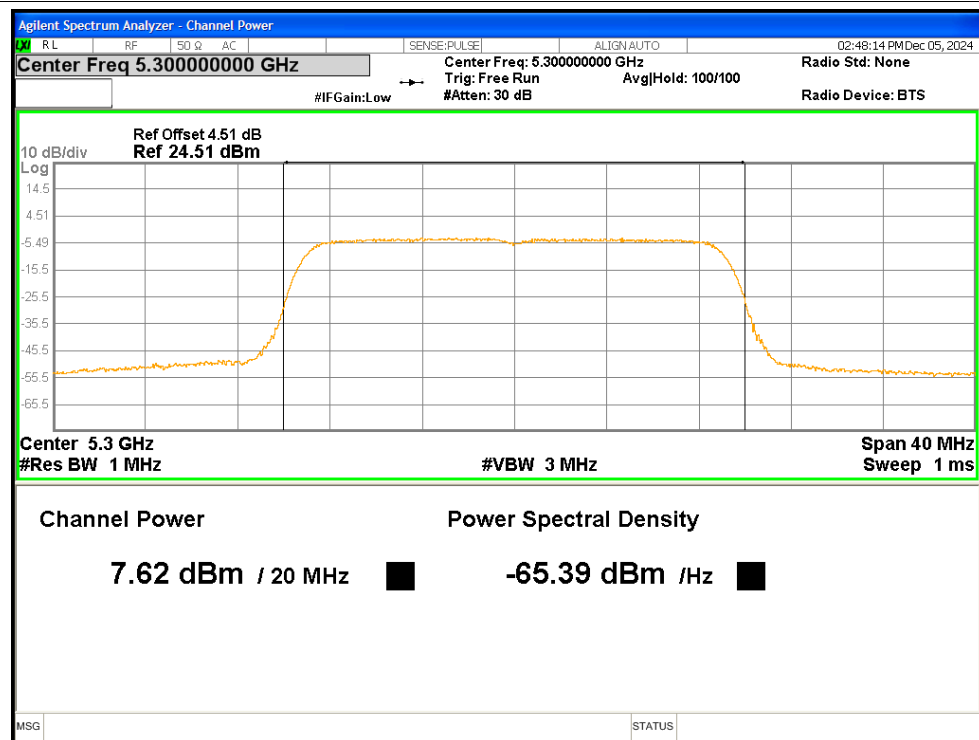
## Power NVNT n20 5260MHz Ant2



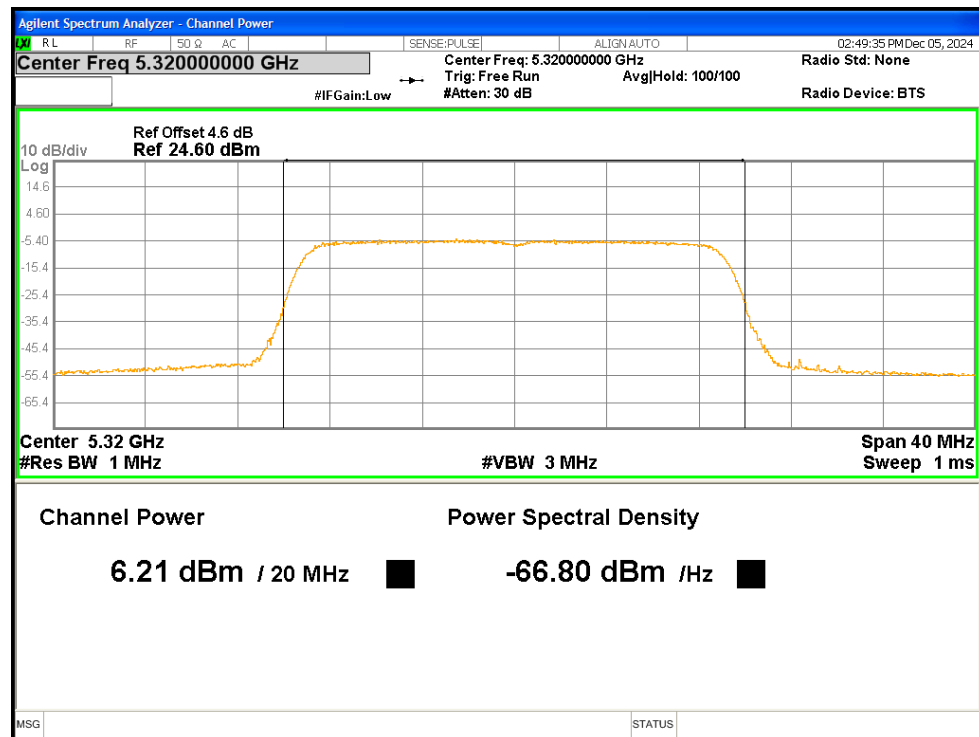
## Power NVNT n20 5300MHz Ant1



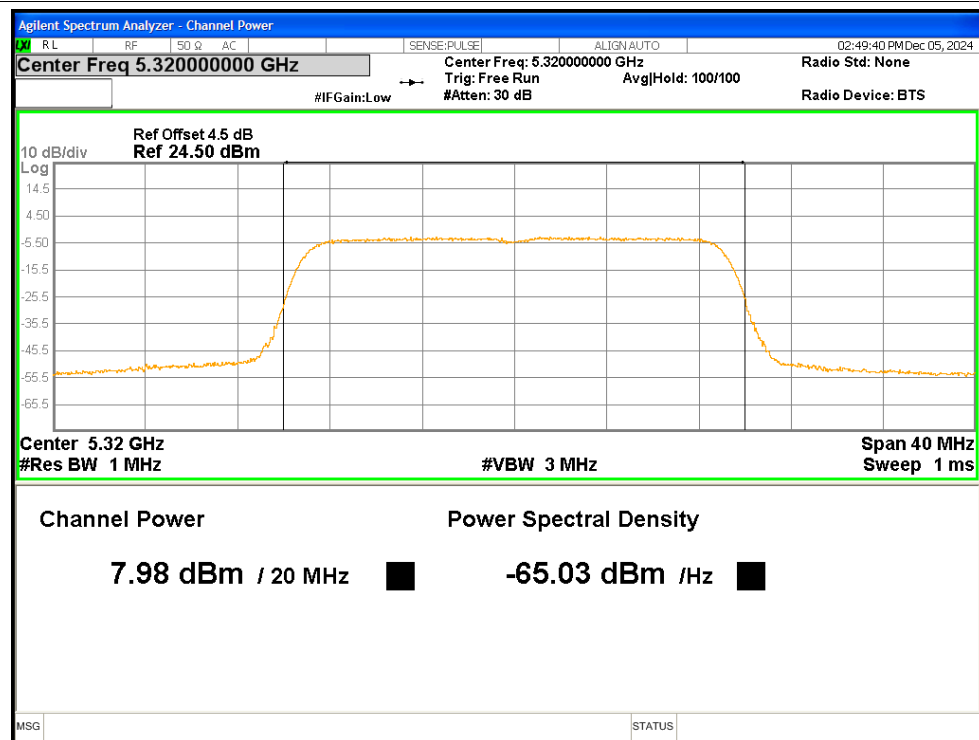
## Power NVNT n20 5300MHz Ant2



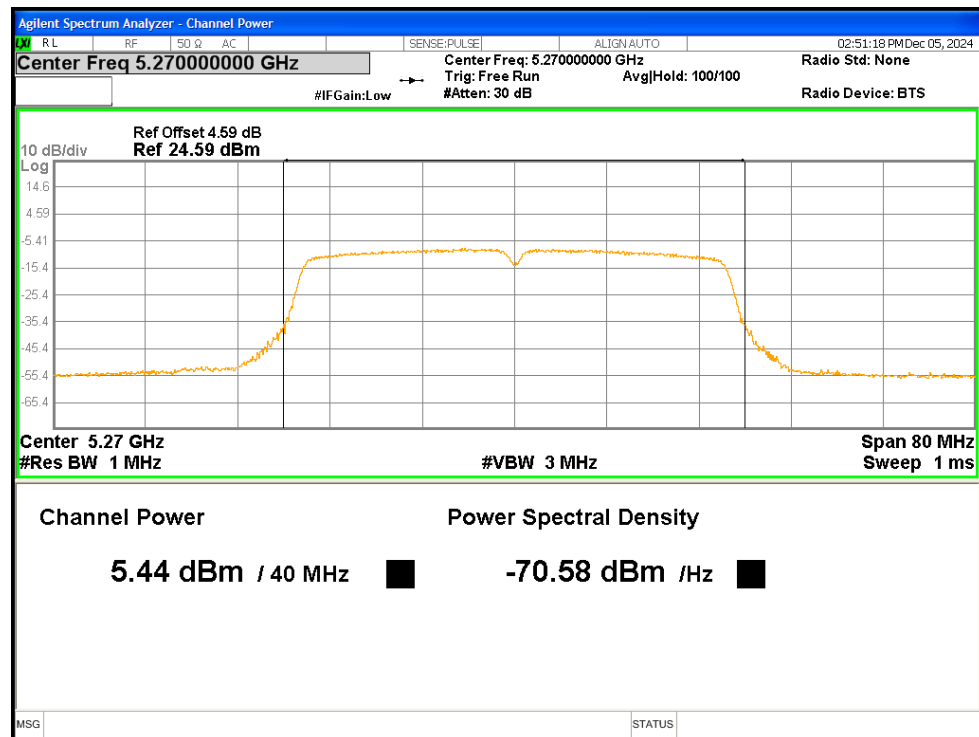
## Power NVNT n20 5320MHz Ant1



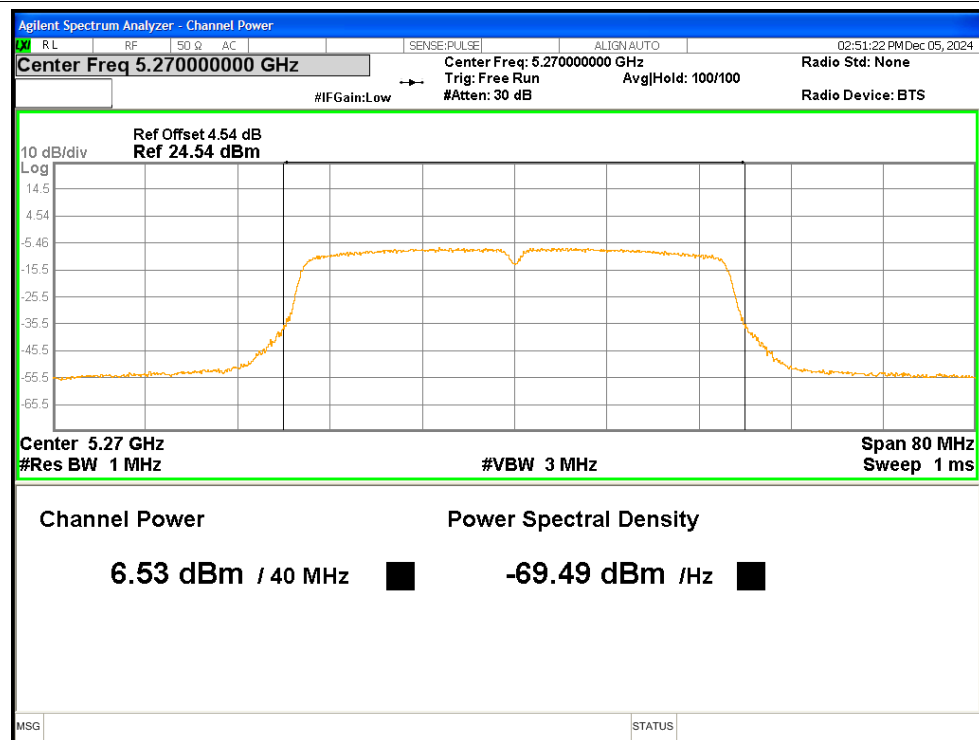
## Power NVNT n20 5320MHz Ant2



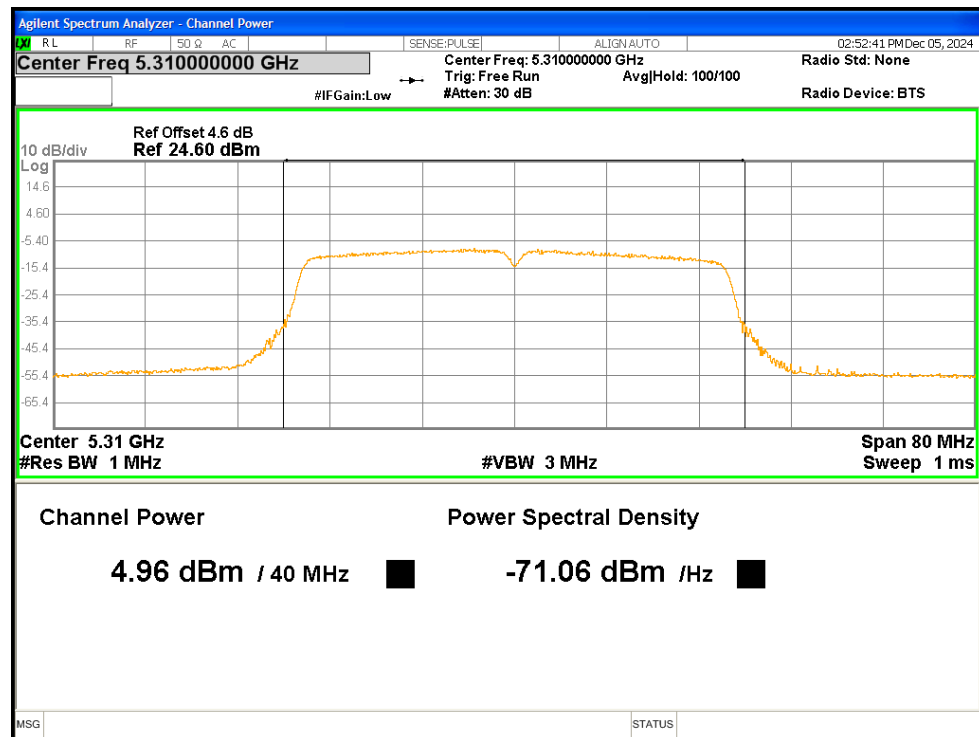
## Power NVNT n40 5270MHz Ant1



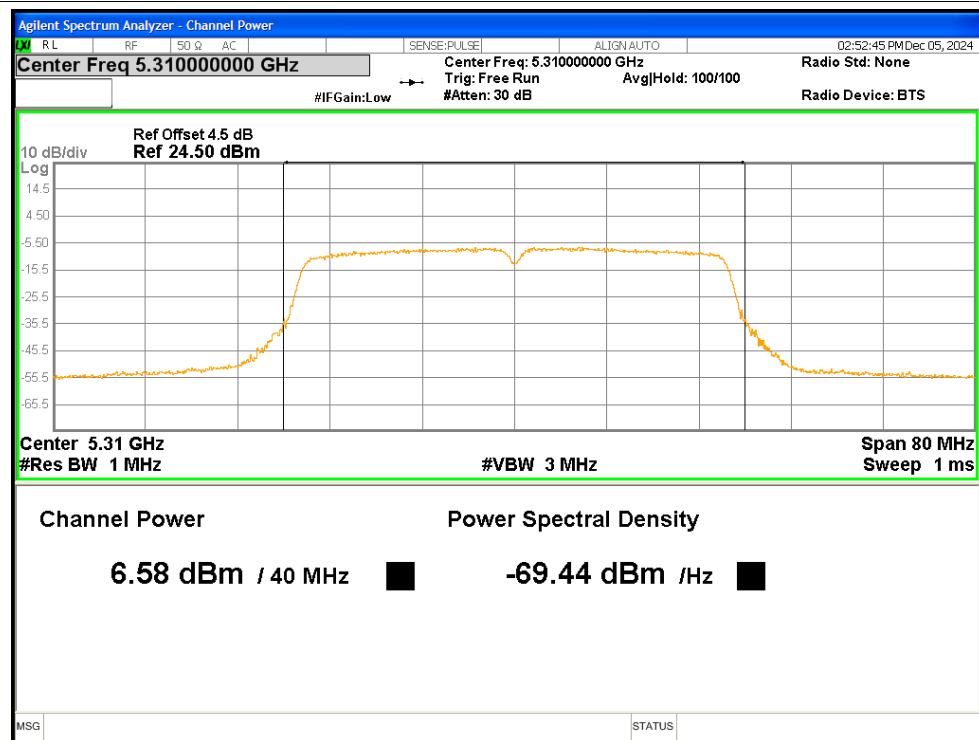
## Power NVNT n40 5270MHz Ant2



## Power NVNT n40 5310MHz Ant1



## Power NVNT n40 5310MHz Ant2



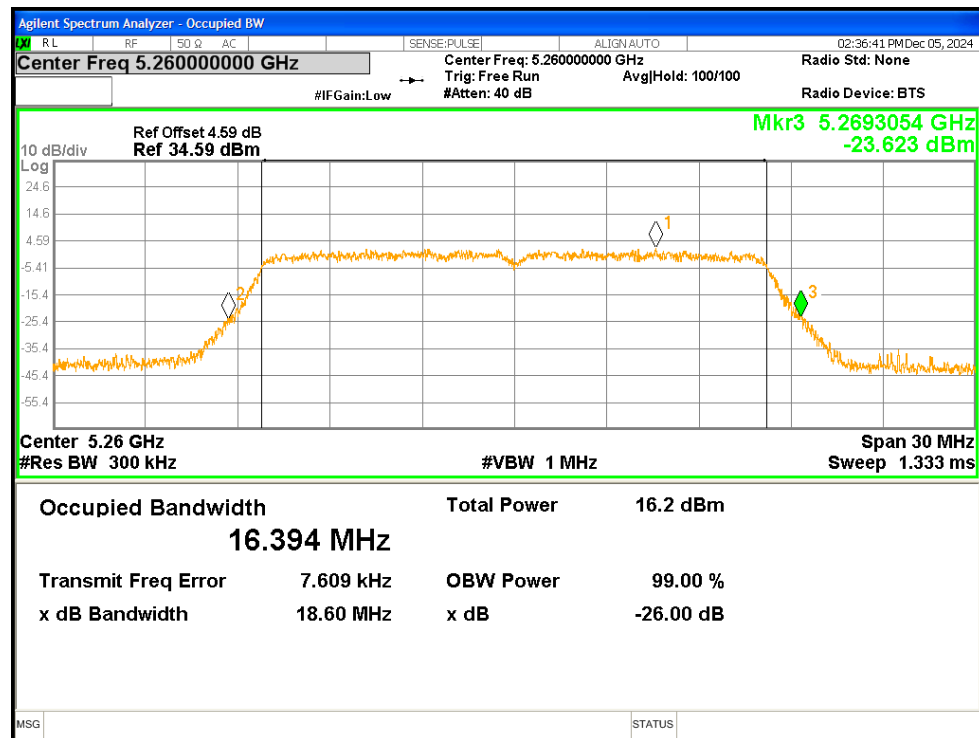


### 3. -26dB Bandwidth

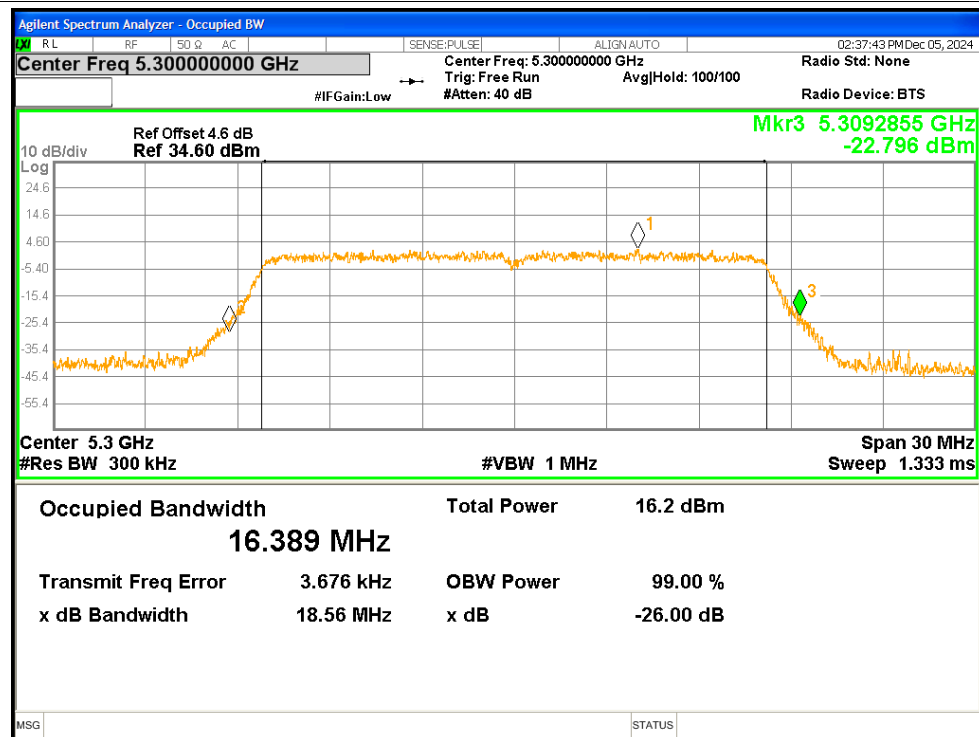
| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|---------|
| NVNT      | a    | 5260            | Ant1    | 18.5956                | Pass    |
| NVNT      | a    | 5300            | Ant1    | 18.5636                | Pass    |
| NVNT      | a    | 5320            | Ant1    | 18.5501                | Pass    |
| NVNT      | a    | 5260            | Ant2    | 18.5899                | Pass    |
| NVNT      | a    | 5300            | Ant2    | 18.6034                | Pass    |
| NVNT      | a    | 5320            | Ant2    | 18.6378                | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 19.5531                | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 19.611                 | Pass    |
| NVNT      | n20  | 5300            | Ant1    | 19.6292                | Pass    |
| NVNT      | n20  | 5300            | Ant2    | 19.5753                | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 19.4983                | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 19.3971                | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 41.0028                | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 40.5511                | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 40.4297                | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 41.1174                | Pass    |

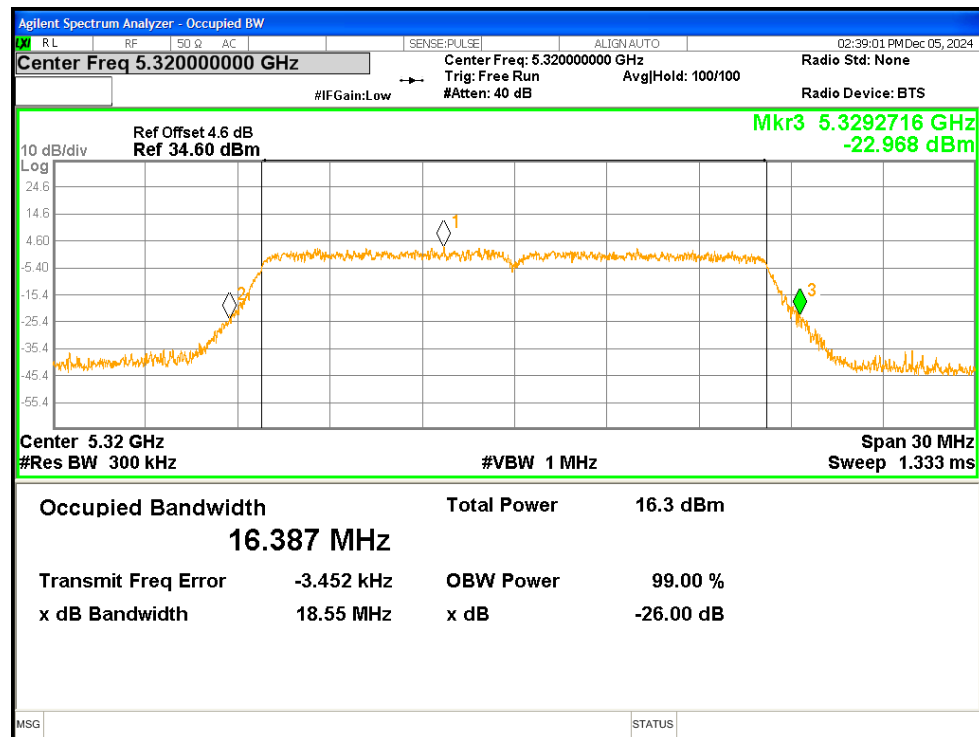
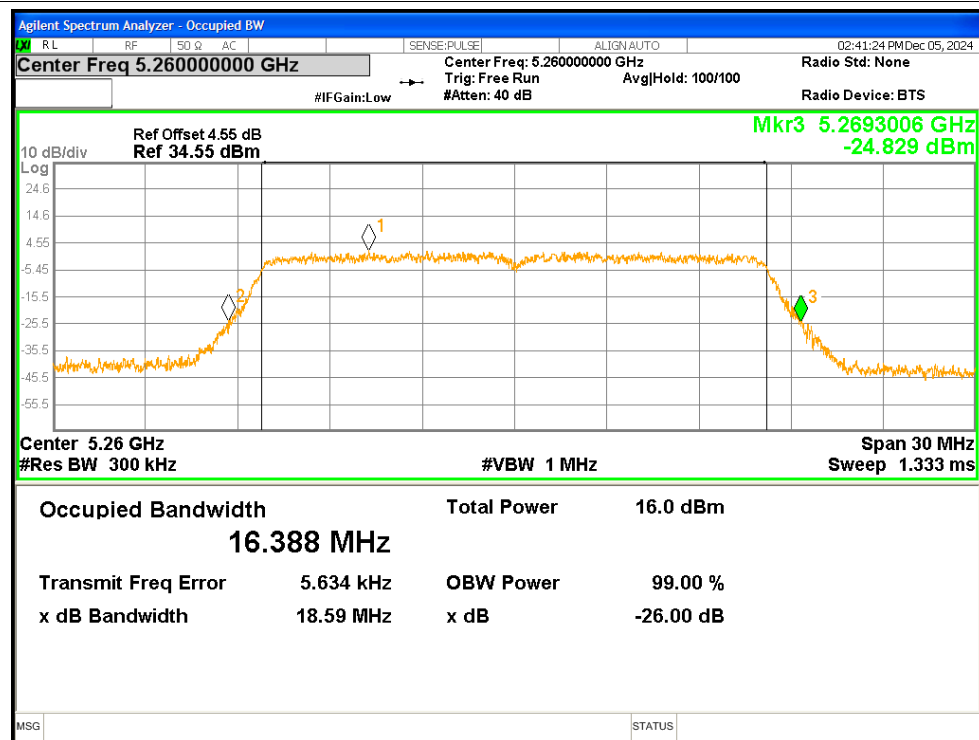
## Test Graphs

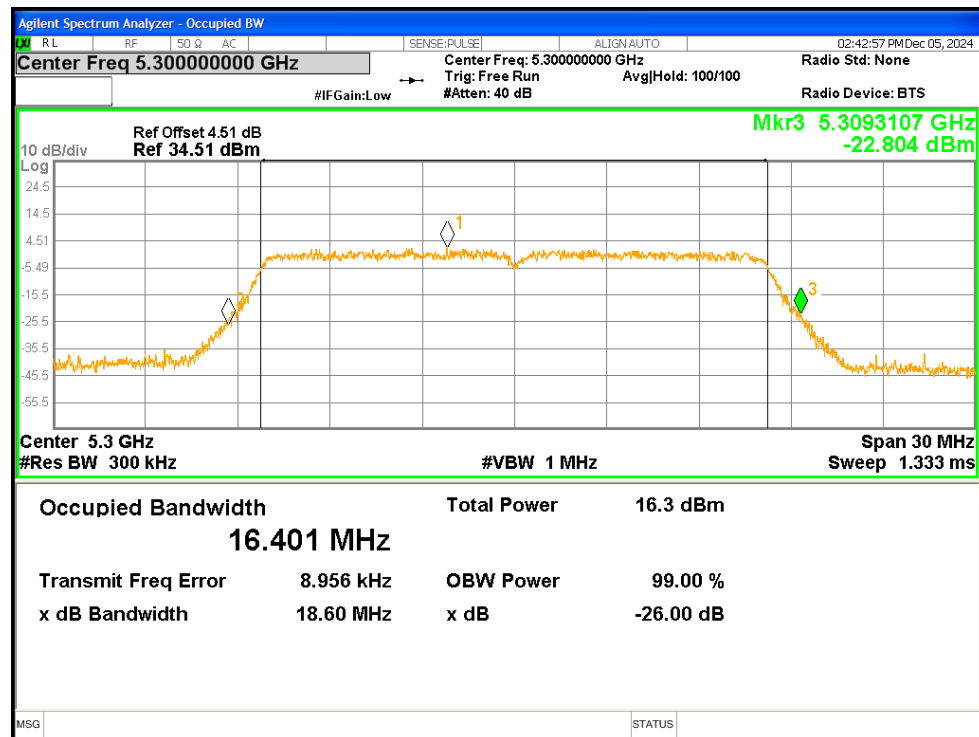
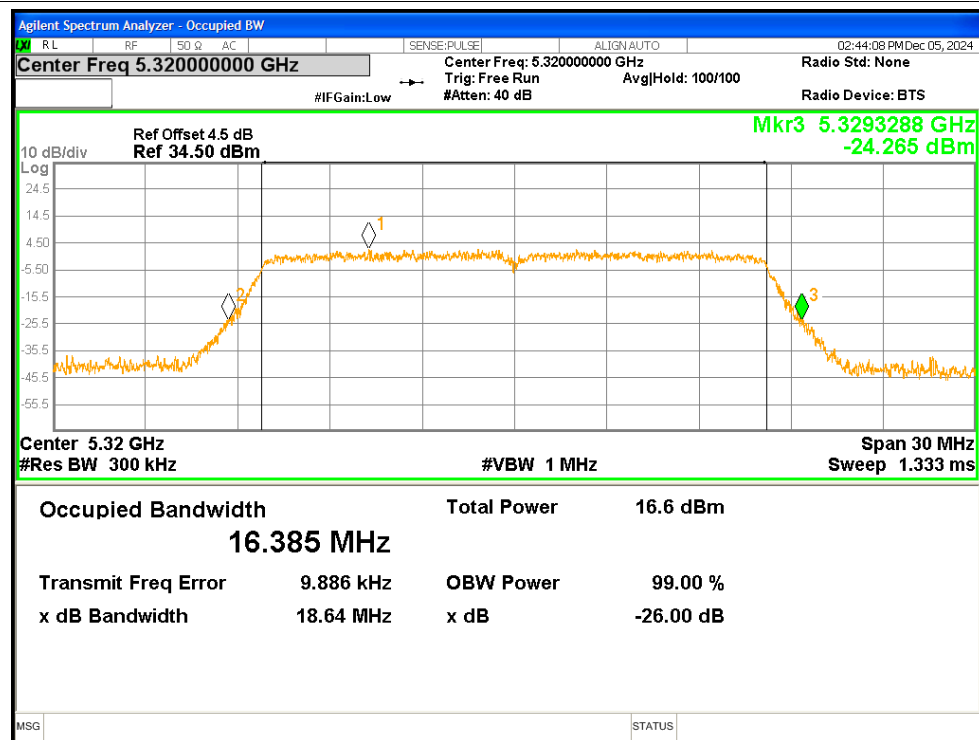
## -26dB Bandwidth NVNT a 5260MHz Ant1

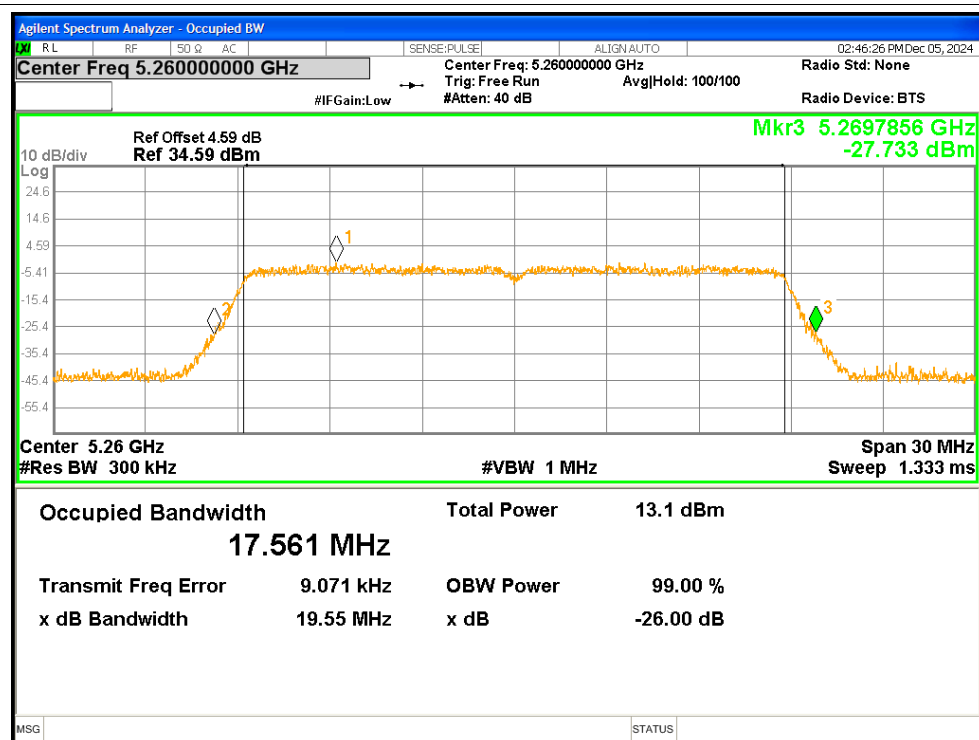
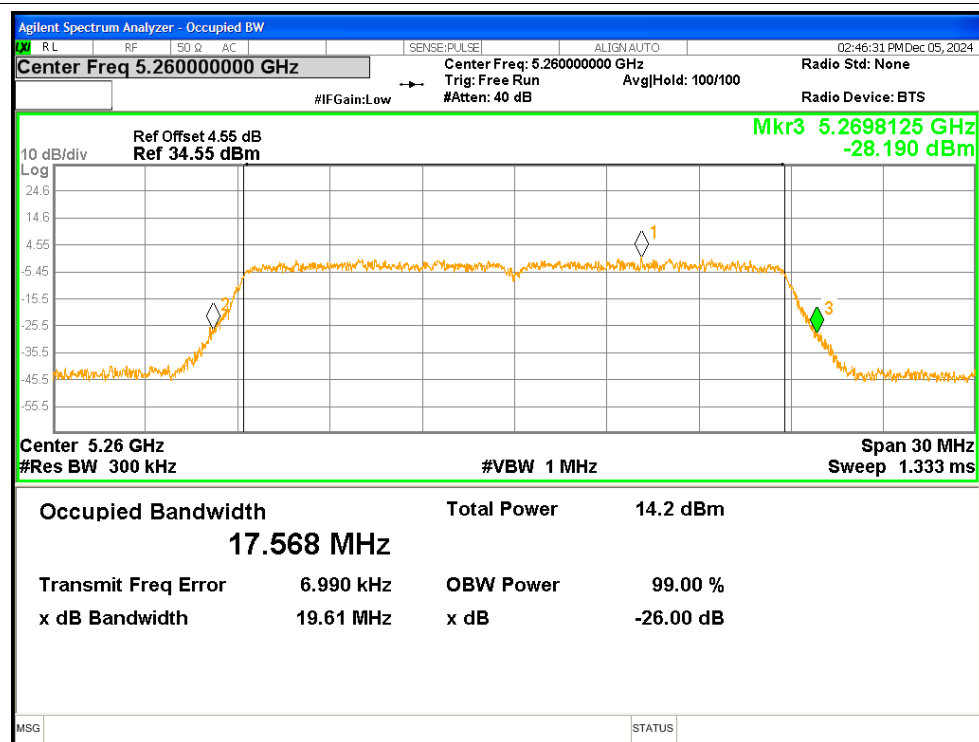


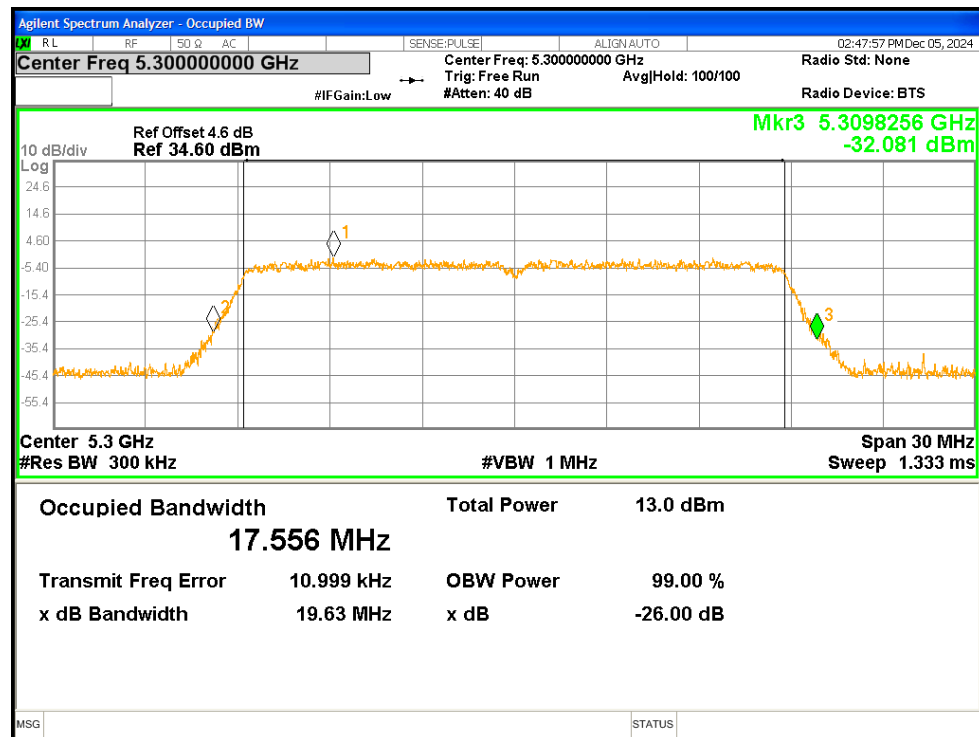
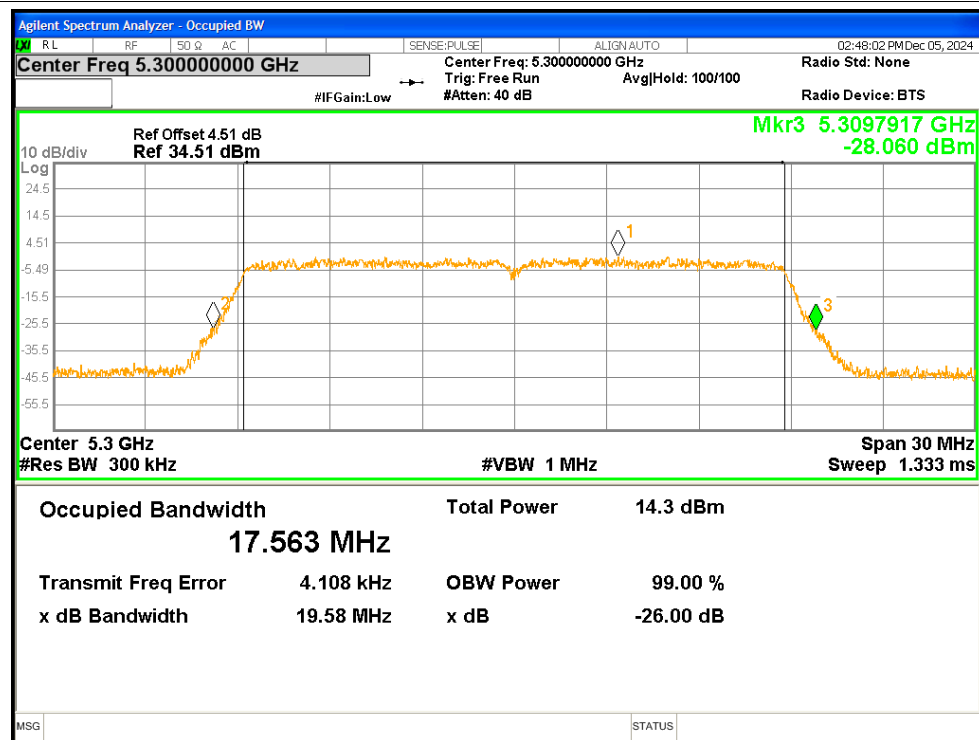
## -26dB Bandwidth NVNT a 5300MHz Ant1

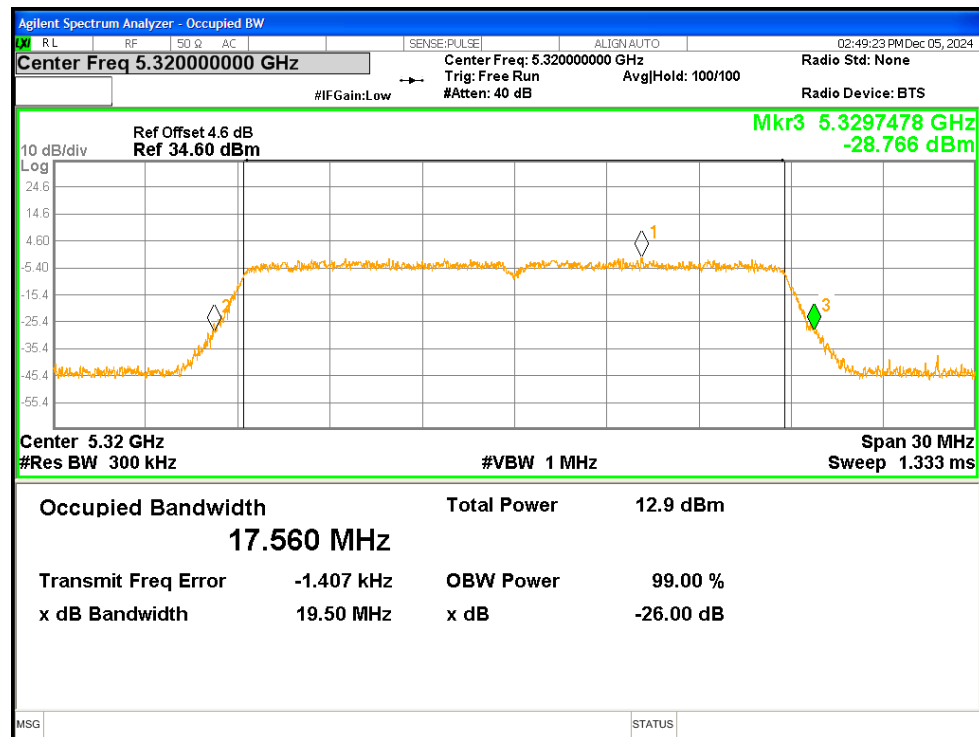
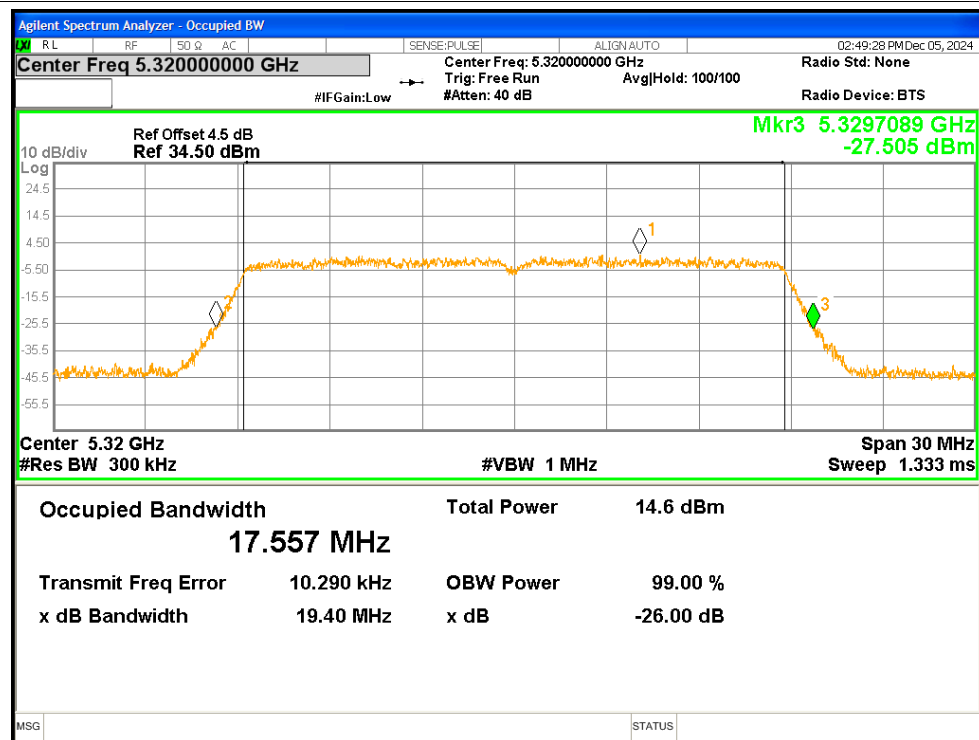


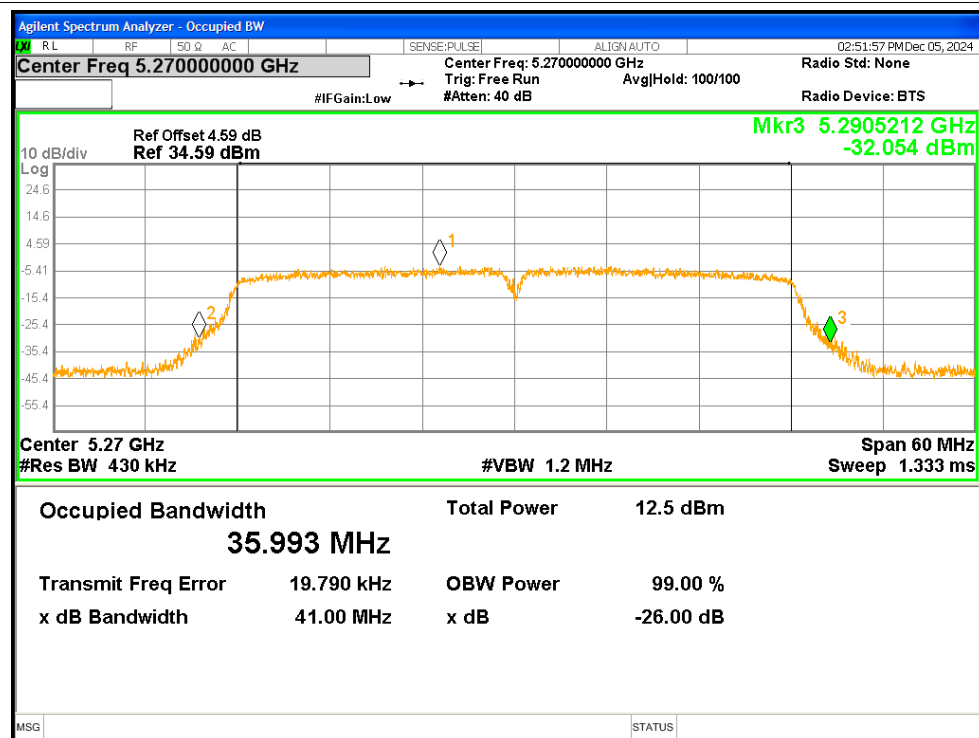
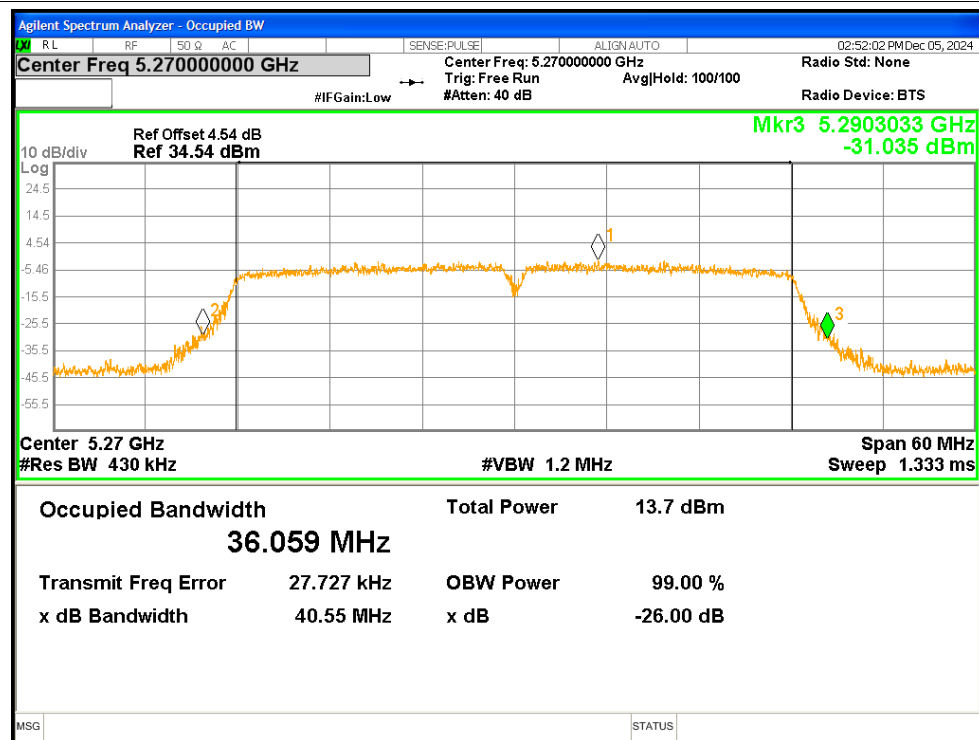
**-26dB Bandwidth NVNT a 5320MHz Ant1****-26dB Bandwidth NVNT a 5260MHz Ant2**

**-26dB Bandwidth NVNT a 5300MHz Ant2****-26dB Bandwidth NVNT a 5320MHz Ant2**

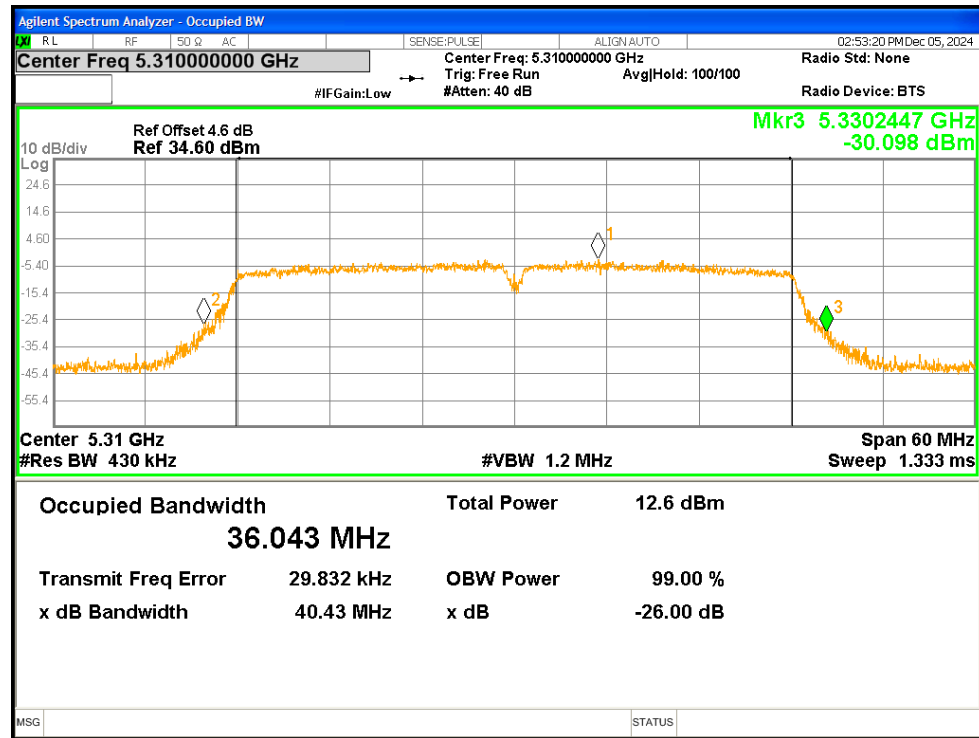
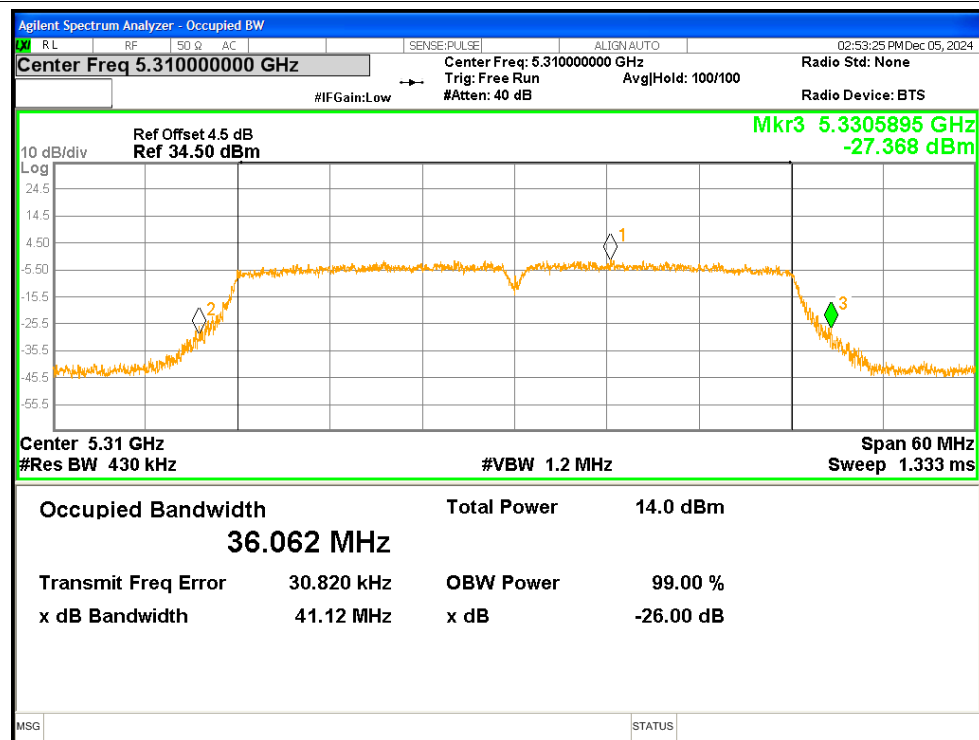
**-26dB Bandwidth NVNT n20 5260MHz Ant1****-26dB Bandwidth NVNT n20 5260MHz Ant2**

**-26dB Bandwidth NVNT n20 5300MHz Ant1****-26dB Bandwidth NVNT n20 5300MHz Ant2**

**-26dB Bandwidth NVNT n20 5320MHz Ant1****-26dB Bandwidth NVNT n20 5320MHz Ant2**

**-26dB Bandwidth NVNT n40 5270MHz Ant1****-26dB Bandwidth NVNT n40 5270MHz Ant2**



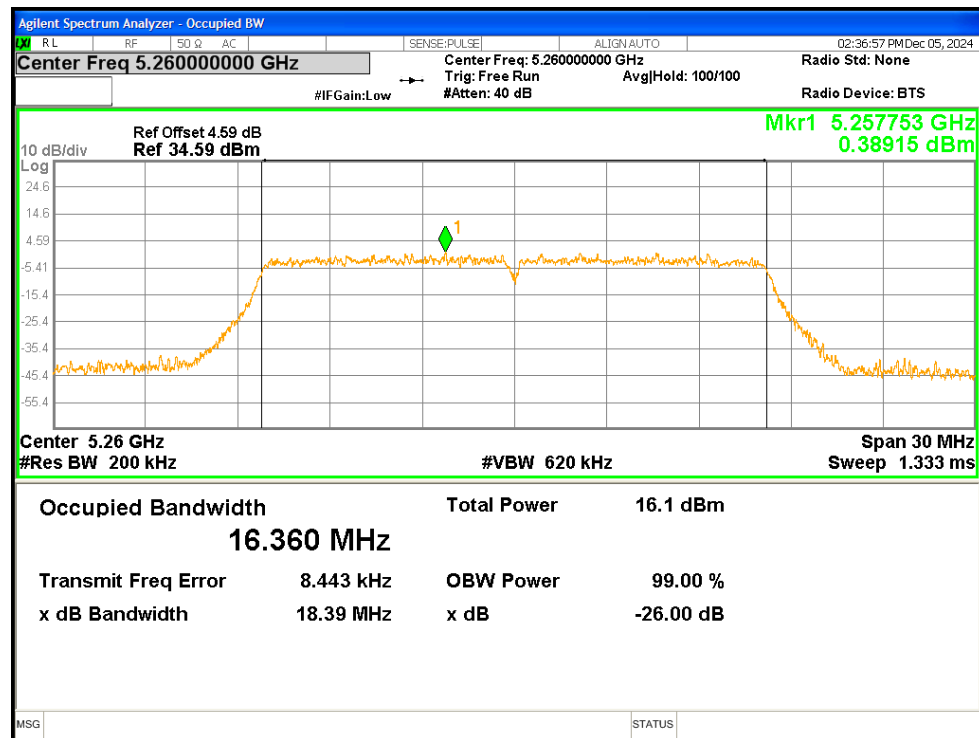
**-26dB Bandwidth NVNT n40 5310MHz Ant1****-26dB Bandwidth NVNT n40 5310MHz Ant2**

## 4. Occupied Channel Bandwidth

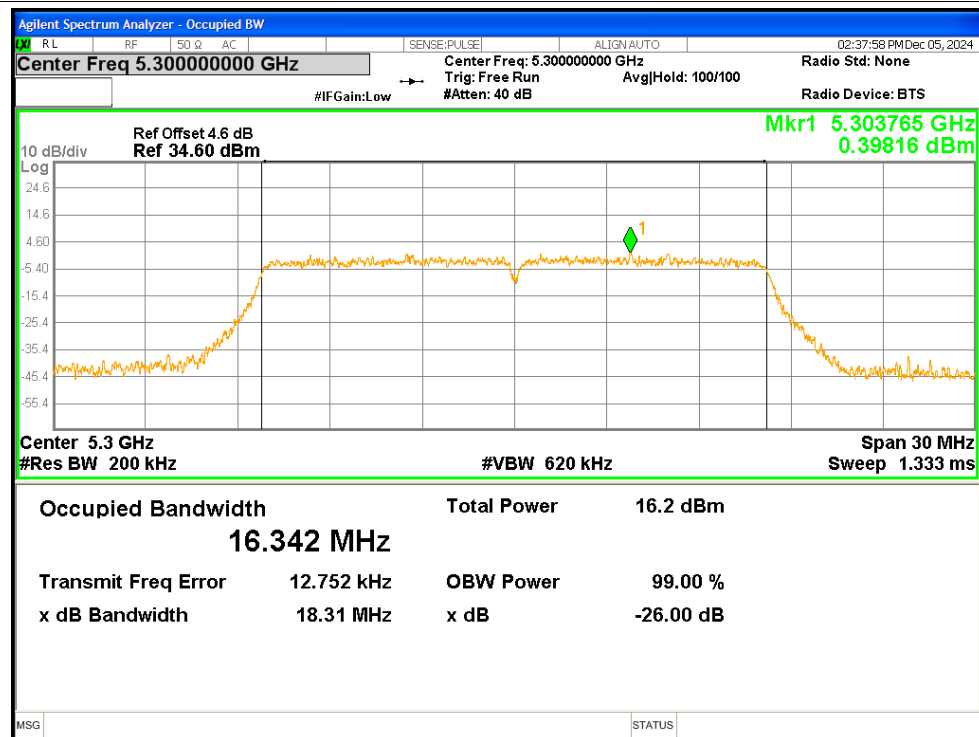
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5260            | Ant1    | 16.3602       |
| NVNT      | a    | 5300            | Ant1    | 16.3421       |
| NVNT      | a    | 5320            | Ant1    | 16.3394       |
| NVNT      | a    | 5260            | Ant2    | 16.341        |
| NVNT      | a    | 5300            | Ant2    | 16.3393       |
| NVNT      | a    | 5320            | Ant2    | 16.3356       |
| NVNT      | n20  | 5260            | Ant1    | 17.5464       |
| NVNT      | n20  | 5260            | Ant2    | 17.5395       |
| NVNT      | n20  | 5300            | Ant1    | 17.5369       |
| NVNT      | n20  | 5300            | Ant2    | 17.5212       |
| NVNT      | n20  | 5320            | Ant1    | 17.5289       |
| NVNT      | n20  | 5320            | Ant2    | 17.5215       |
| NVNT      | n40  | 5270            | Ant1    | 36.0767       |
| NVNT      | n40  | 5270            | Ant2    | 36.0762       |
| NVNT      | n40  | 5310            | Ant1    | 36.0198       |
| NVNT      | n40  | 5310            | Ant2    | 36.0413       |

## Test Graphs

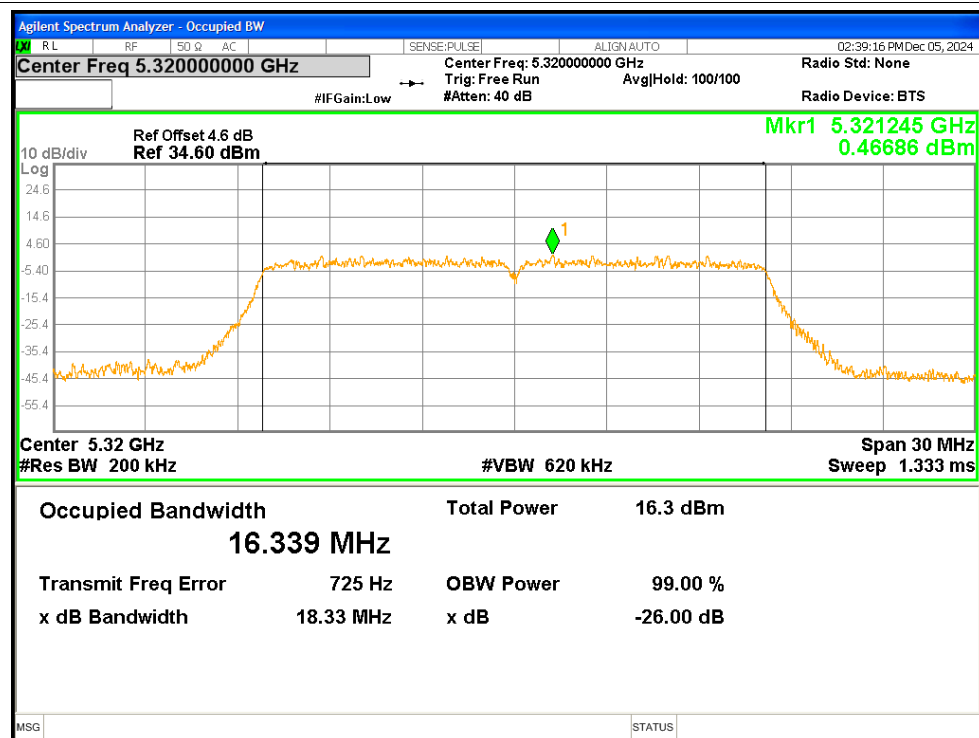
## OBW NVNT a 5260MHz Ant1



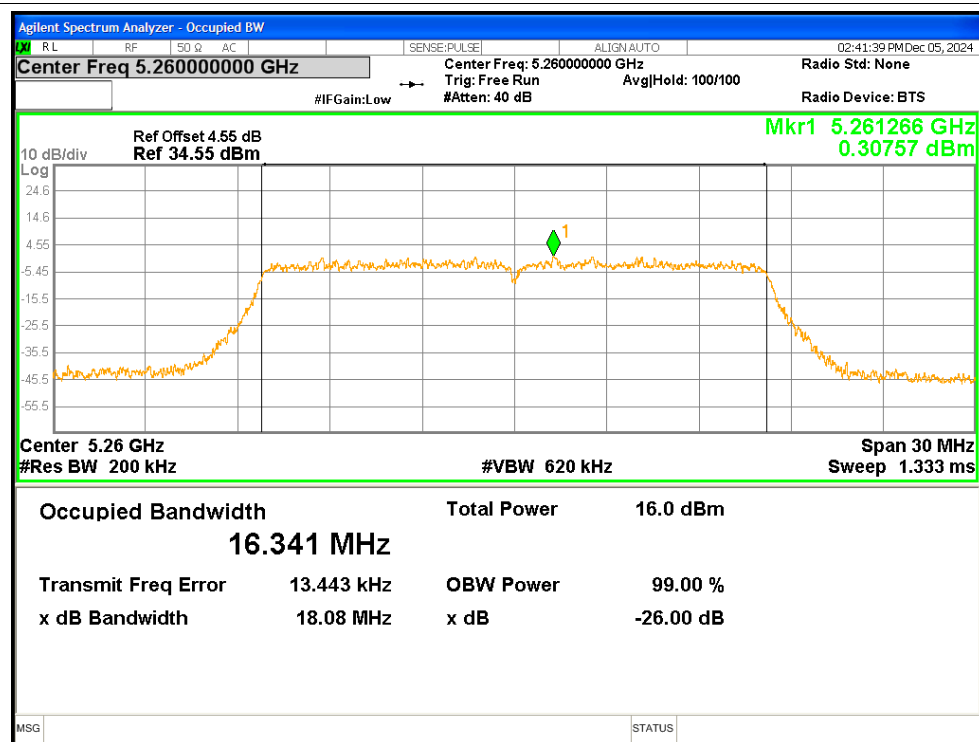
## OBW NVNT a 5300MHz Ant1



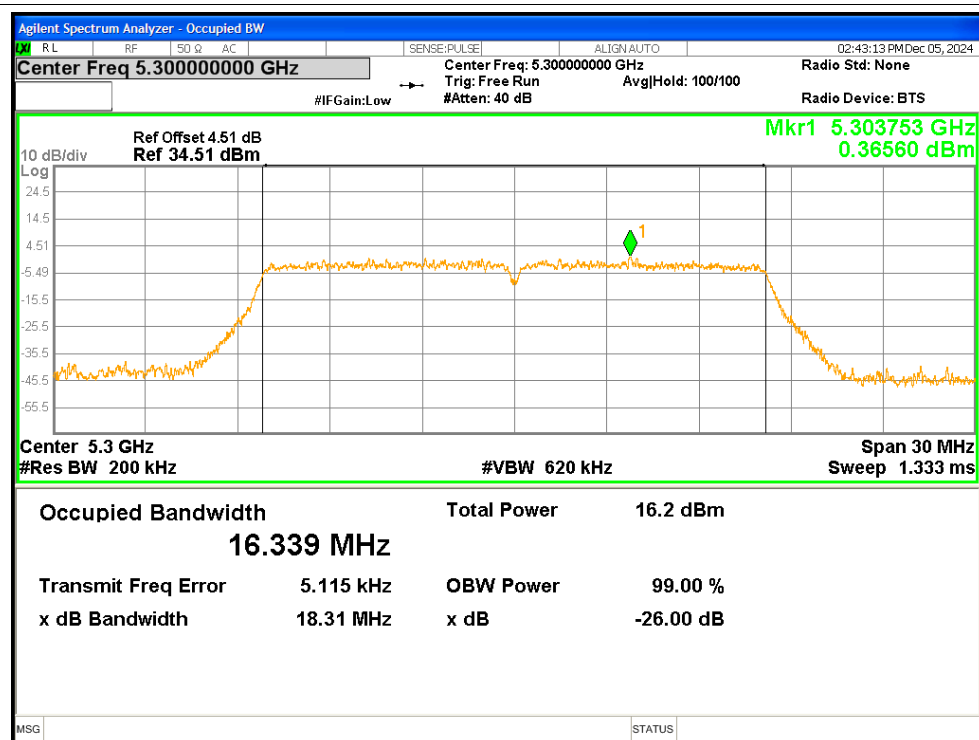
## OBW NVNT a 5320MHz Ant1



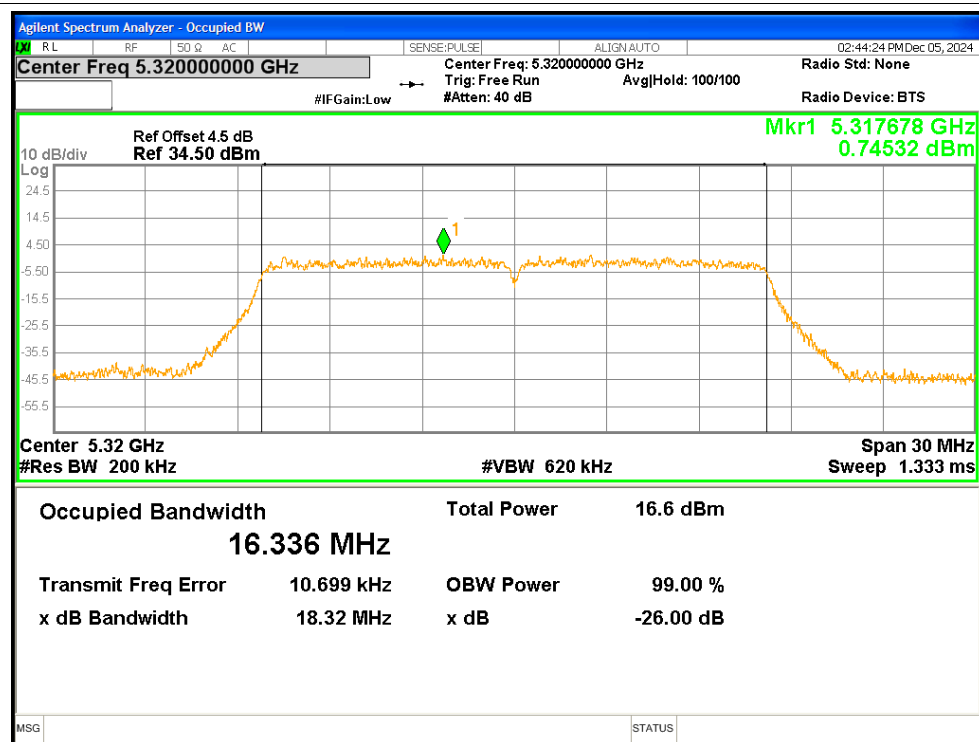
## OBW NVNT a 5260MHz Ant2



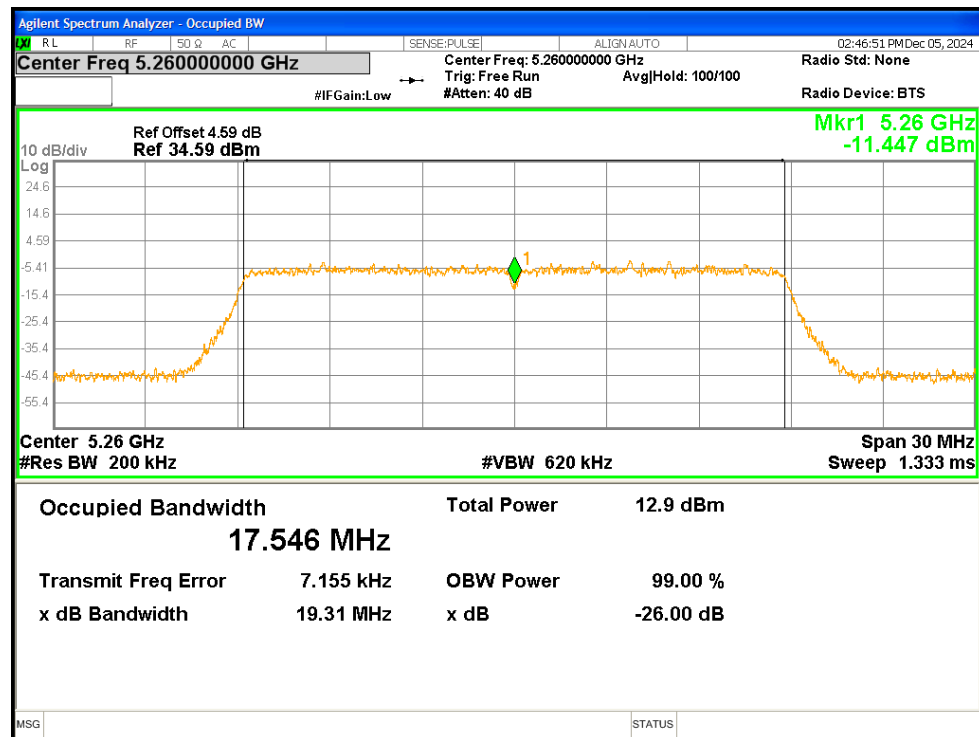
## OBW NVNT a 5300MHz Ant2



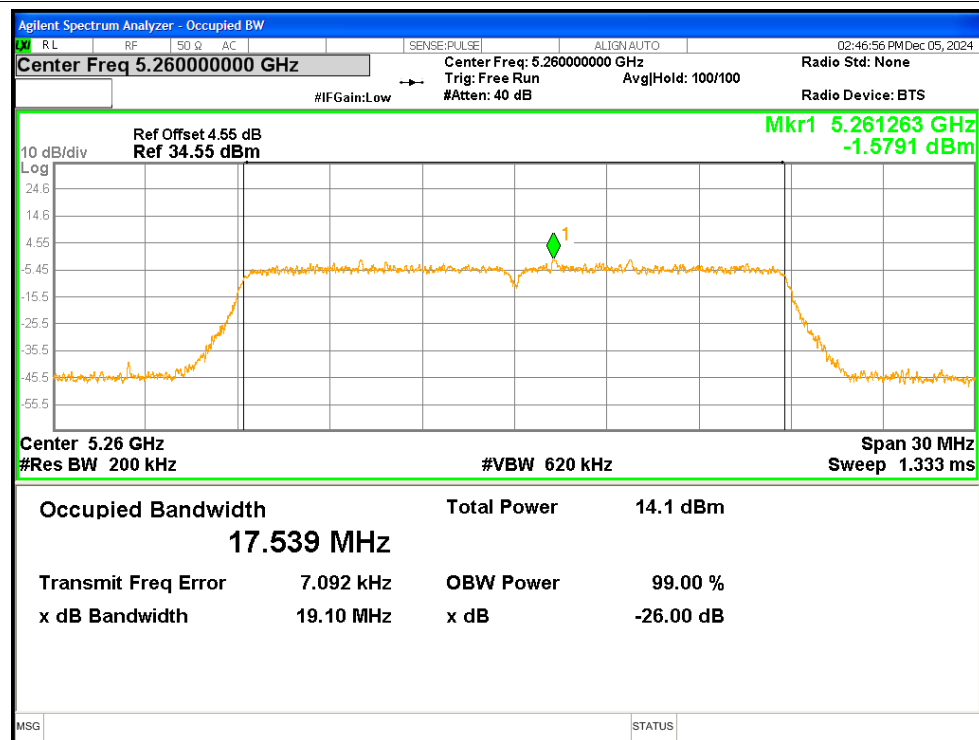
## OBW NVNT a 5320MHz Ant2



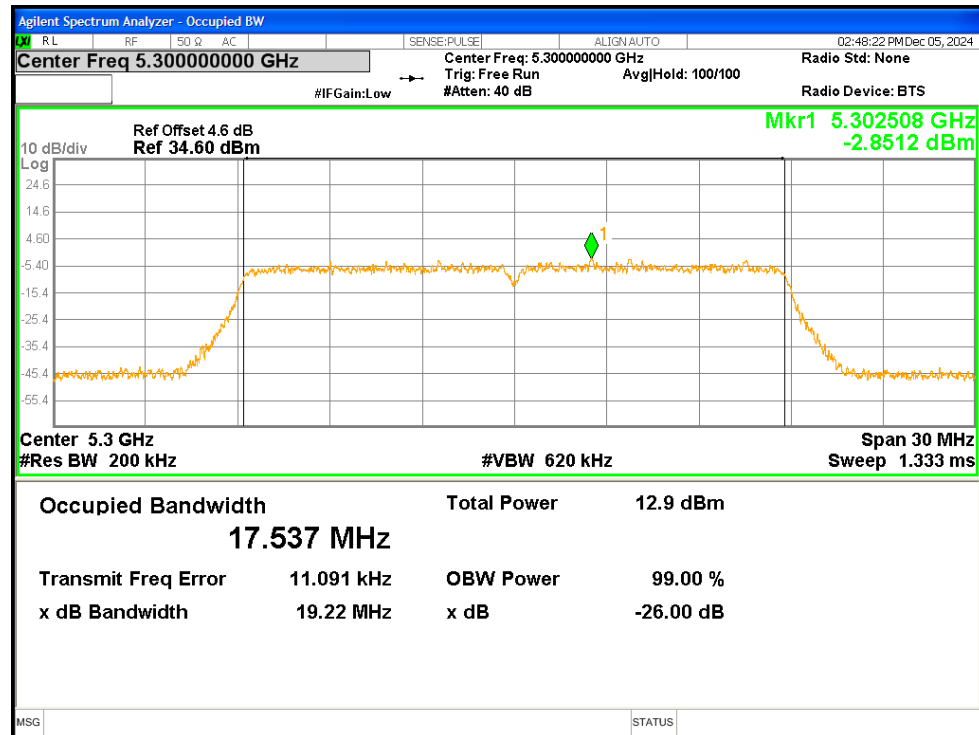
## OBW NVNT n20 5260MHz Ant1



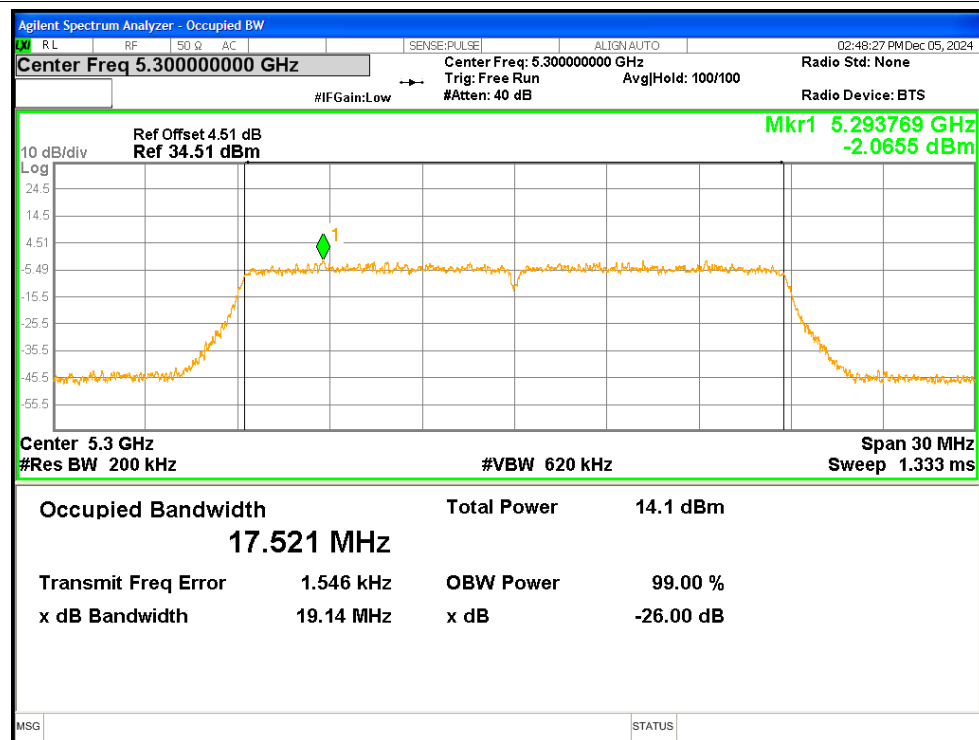
## OBW NVNT n20 5260MHz Ant2



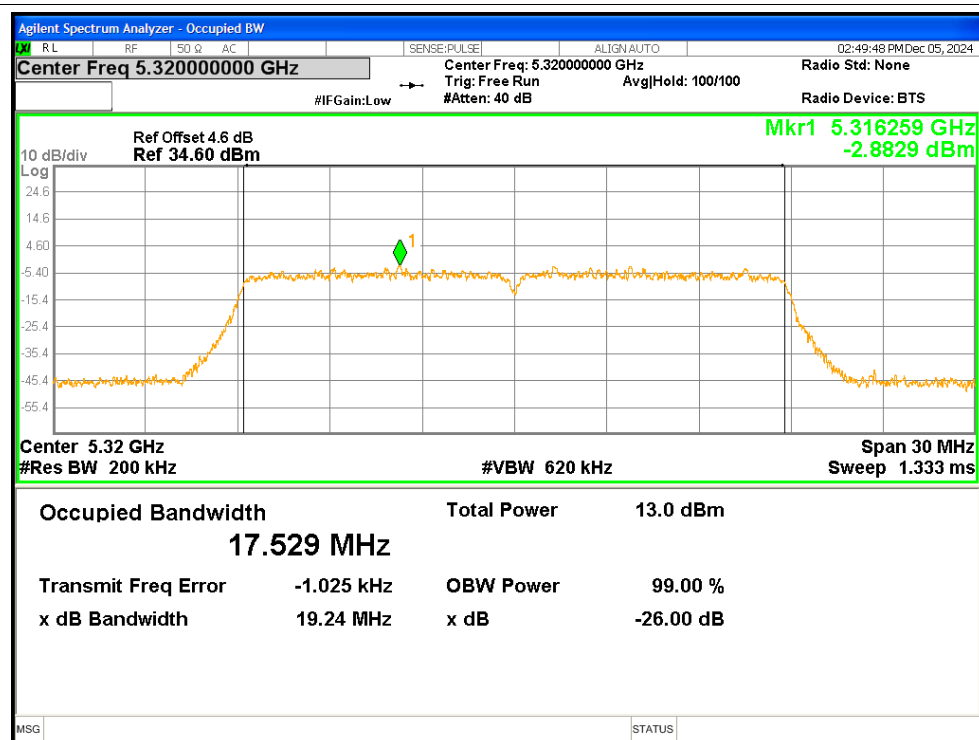
## OBW NVNT n20 5300MHz Ant1



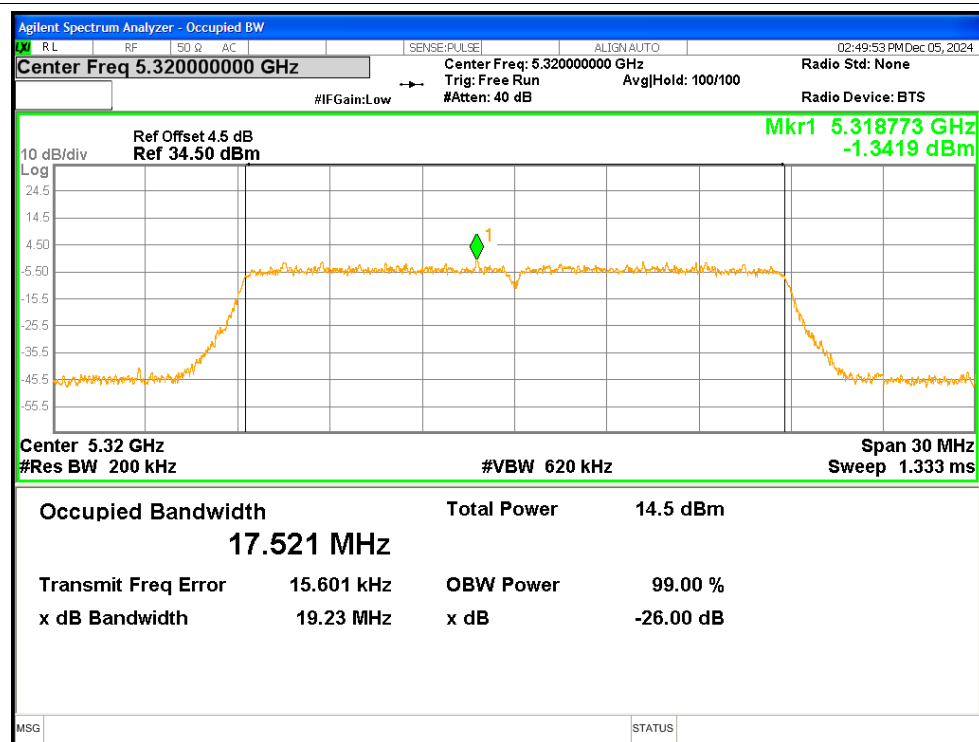
## OBW NVNT n20 5300MHz Ant2



## OBW NVNT n20 5320MHz Ant1

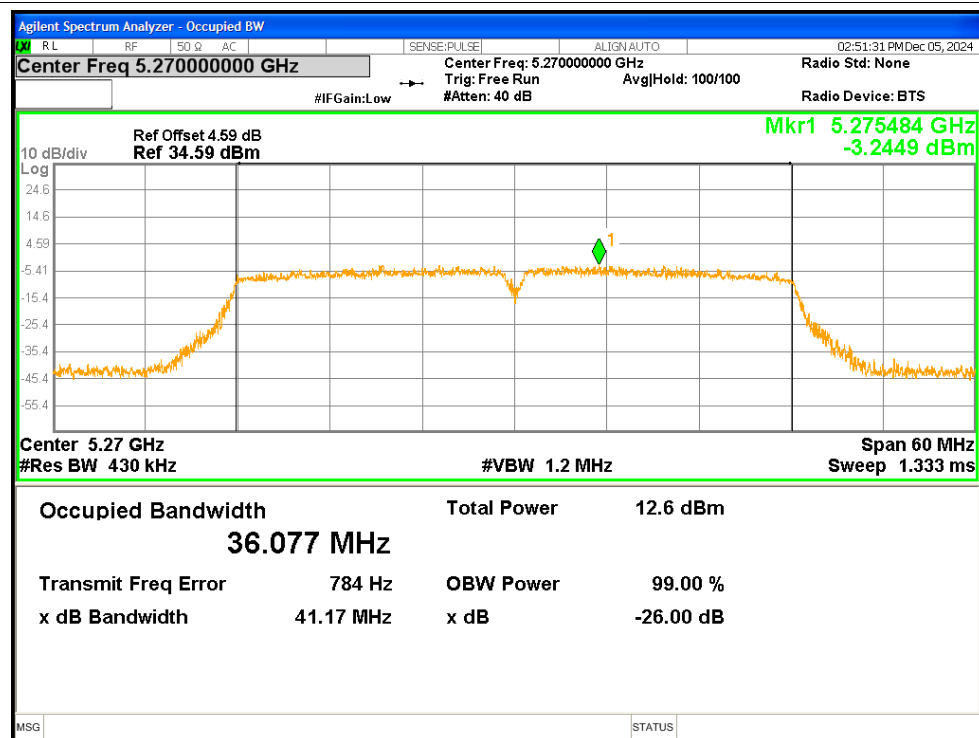


## OBW NVNT n20 5320MHz Ant2

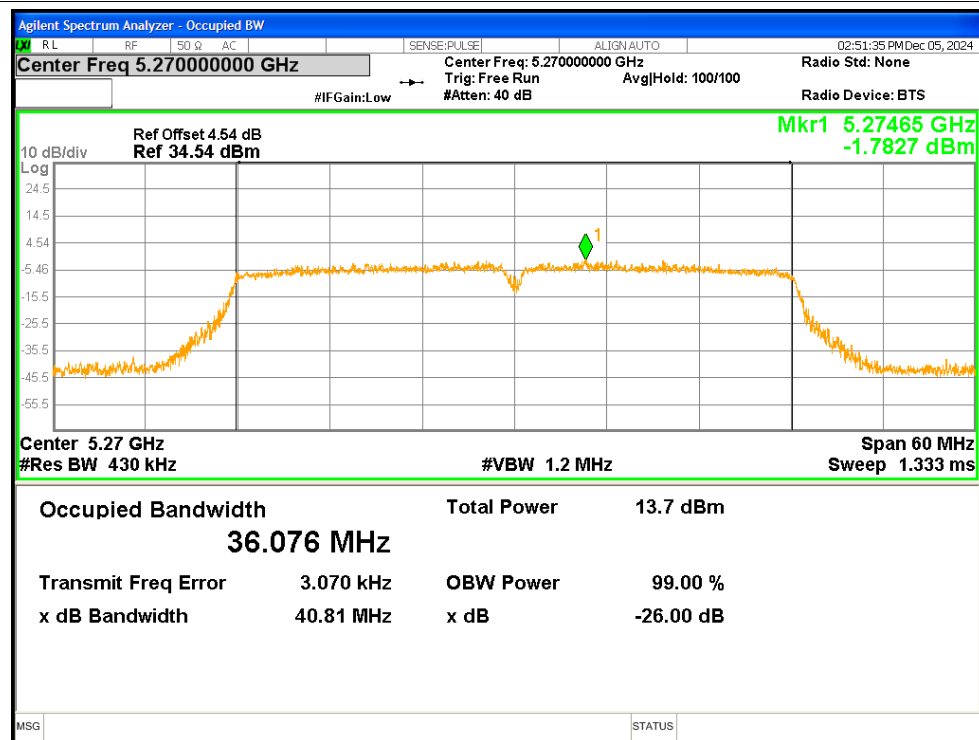




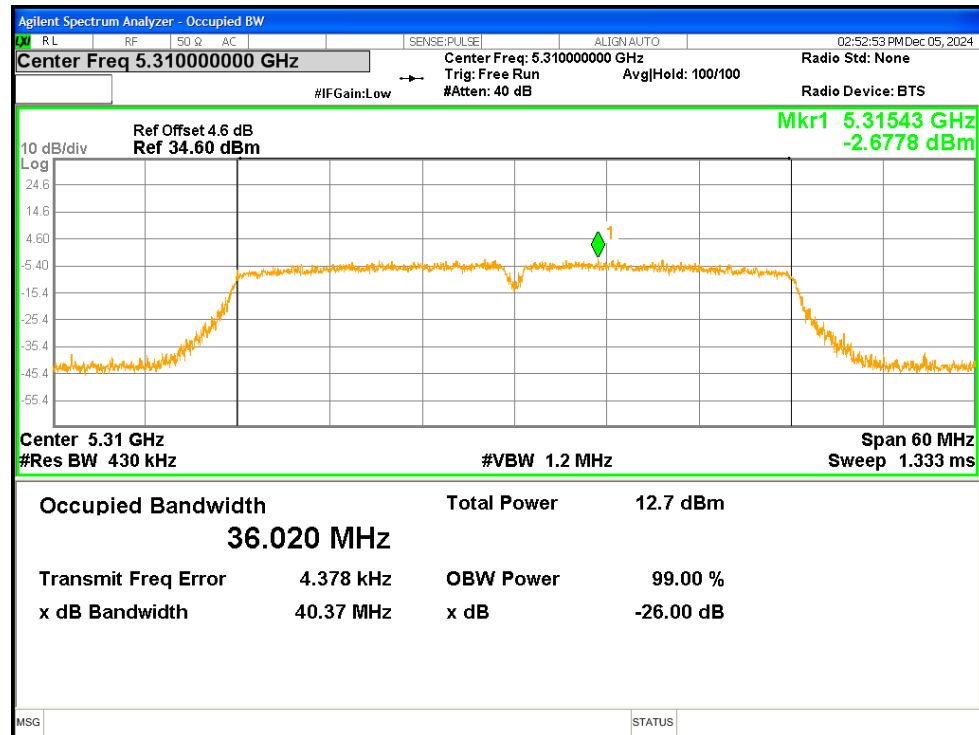
## OBW NVNT n40 5270MHz Ant1



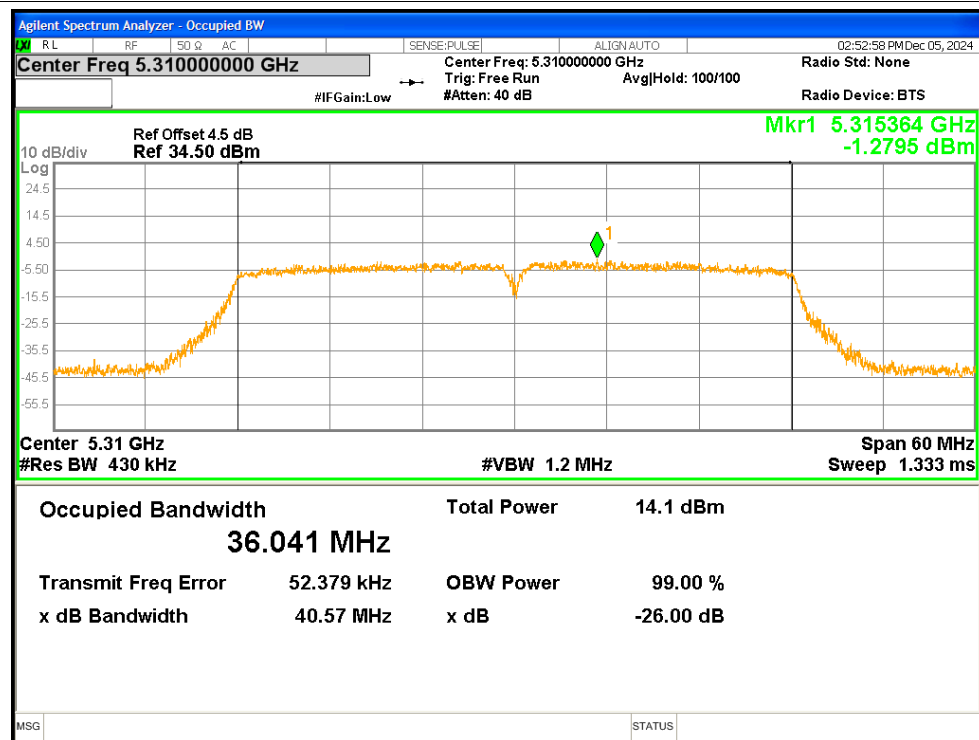
## OBW NVNT n40 5270MHz Ant2



## OBW NVNT n40 5310MHz Ant1



## OBW NVNT n40 5310MHz Ant2

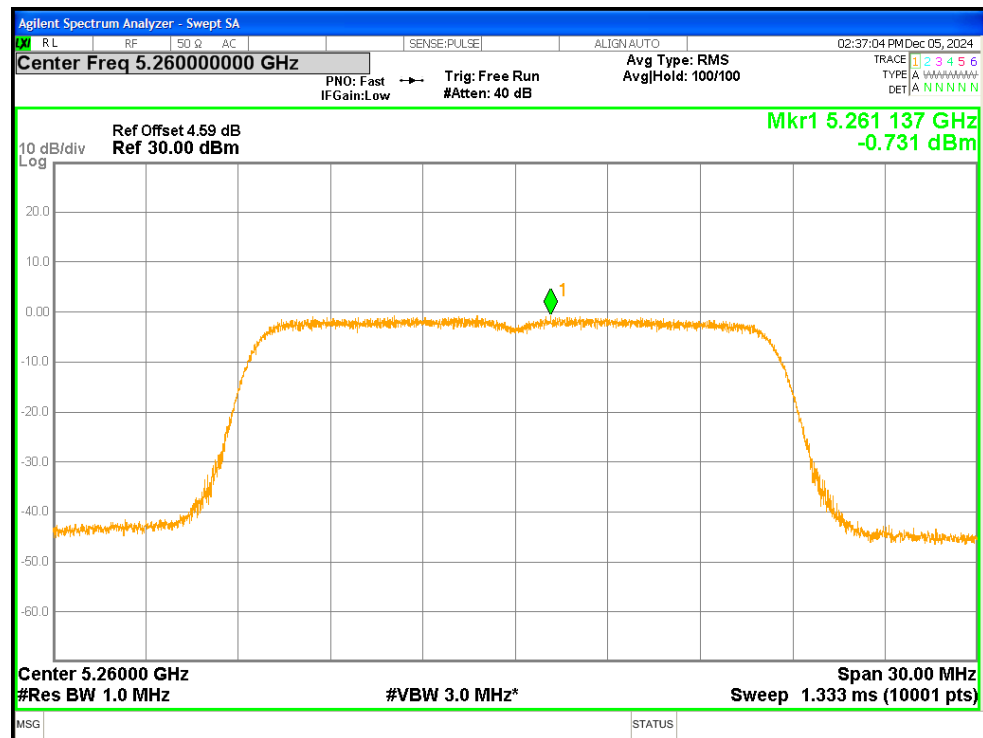


## 5. Maximum Power Spectral Density Level

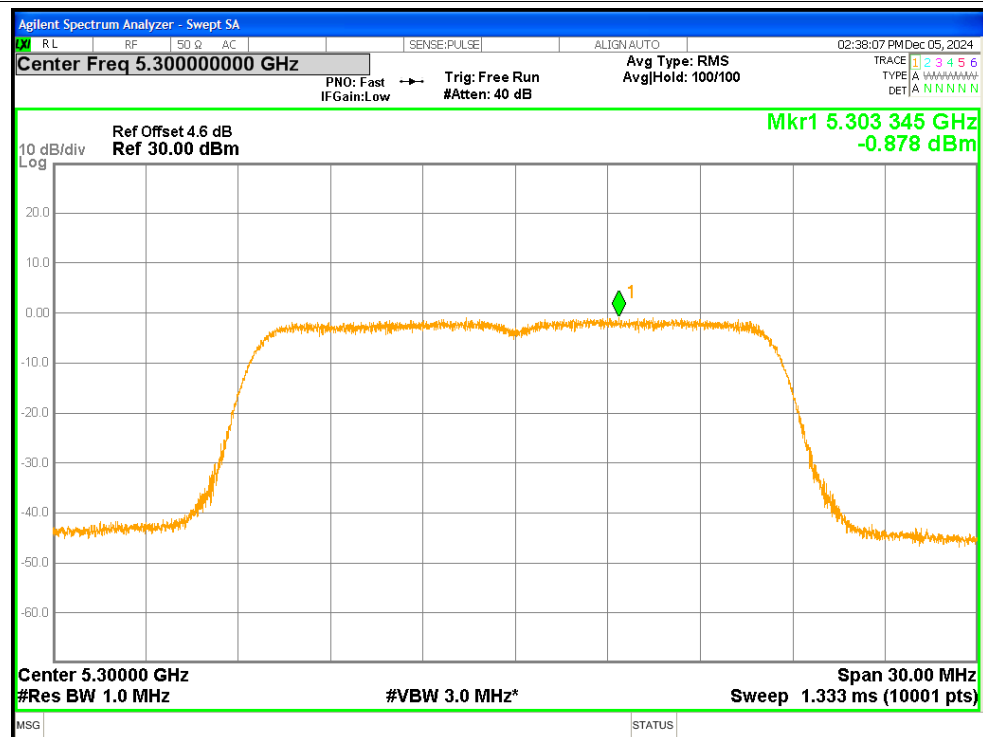
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | a    | 5260            | Ant1    | -0.731              | 1.36             | 0.629           | <=11        | Pass    |
| NVNT      | a    | 5300            | Ant1    | -0.878              | 1.36             | 0.482           | <=11        | Pass    |
| NVNT      | a    | 5320            | Ant1    | -0.925              | 1.36             | 0.435           | <=11        | Pass    |
| NVNT      | a    | 5260            | Ant2    | -0.613              | 1.36             | 0.747           | <=11        | Pass    |
| NVNT      | a    | 5300            | Ant2    | -1.141              | 1.36             | 0.219           | <=11        | Pass    |
| NVNT      | a    | 5320            | Ant2    | -0.066              | 1.36             | 1.294           | <=11        | Pass    |
| NVNT      | n20  | 5260            | Ant1    | -4.364              | 1.44             | -2.924          | <=11        | Pass    |
| NVNT      | n20  | 5260            | Ant2    | -3.368              | 1.44             | -1.928          | <=11        | Pass    |
| NVNT      | n20  | 5260            | Sum     | -0.827              | 1.44             | 0.613           | <=8.19      | Pass    |
| NVNT      | n20  | 5300            | Ant1    | -4.174              | 1.44             | -2.734          | <=11        | Pass    |
| NVNT      | n20  | 5300            | Ant2    | -3.427              | 1.44             | -1.987          | <=11        | Pass    |
| NVNT      | n20  | 5300            | Sum     | -0.774              | 1.44             | 0.666           | <=8.19      | Pass    |
| NVNT      | n20  | 5320            | Ant1    | -4.275              | 1.44             | -2.835          | <=11        | Pass    |
| NVNT      | n20  | 5320            | Ant2    | -2.824              | 1.44             | -1.384          | <=11        | Pass    |
| NVNT      | n20  | 5320            | Sum     | -0.479              | 1.44             | 0.961           | <=8.19      | Pass    |
| NVNT      | n40  | 5270            | Ant1    | -7.811              | 2.53             | -5.281          | <=11        | Pass    |
| NVNT      | n40  | 5270            | Ant2    | -7.072              | 2.53             | -4.542          | <=11        | Pass    |
| NVNT      | n40  | 5270            | Sum     | -4.416              | 2.53             | -1.886          | <=8.19      | Pass    |
| NVNT      | n40  | 5310            | Ant1    | -8.274              | 2.52             | -5.754          | <=11        | Pass    |
| NVNT      | n40  | 5310            | Ant2    | -6.754              | 2.52             | -4.234          | <=11        | Pass    |
| NVNT      | n40  | 5310            | Sum     | -4.438              | 2.52             | -1.918          | <=8.19      | Pass    |

## Test Graphs

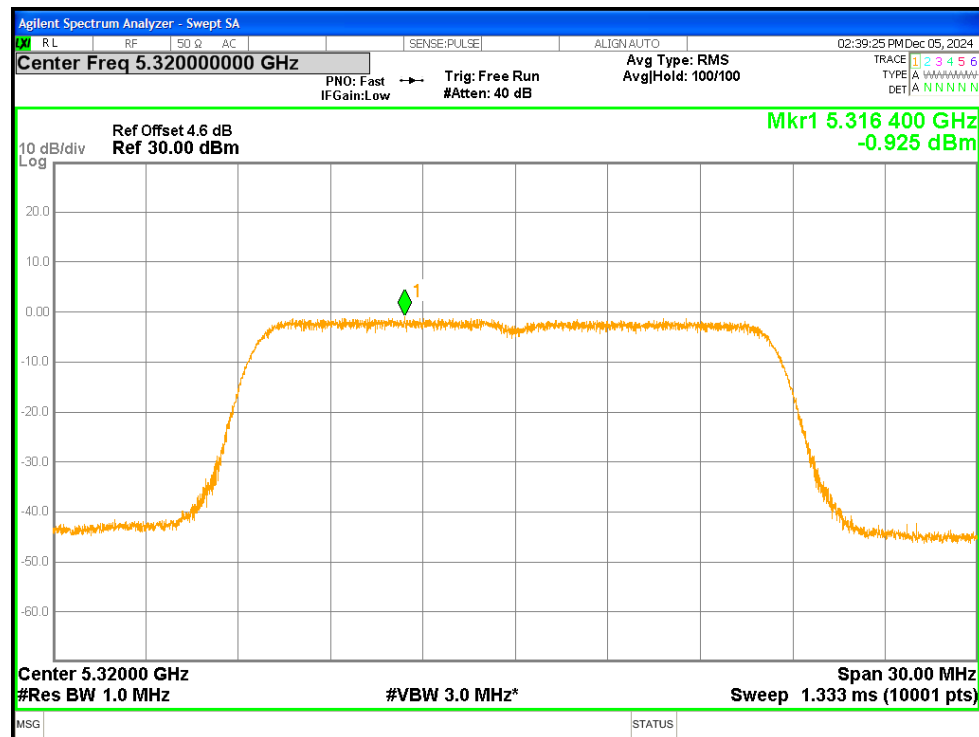
## PSD NVNT a 5260MHz Ant1



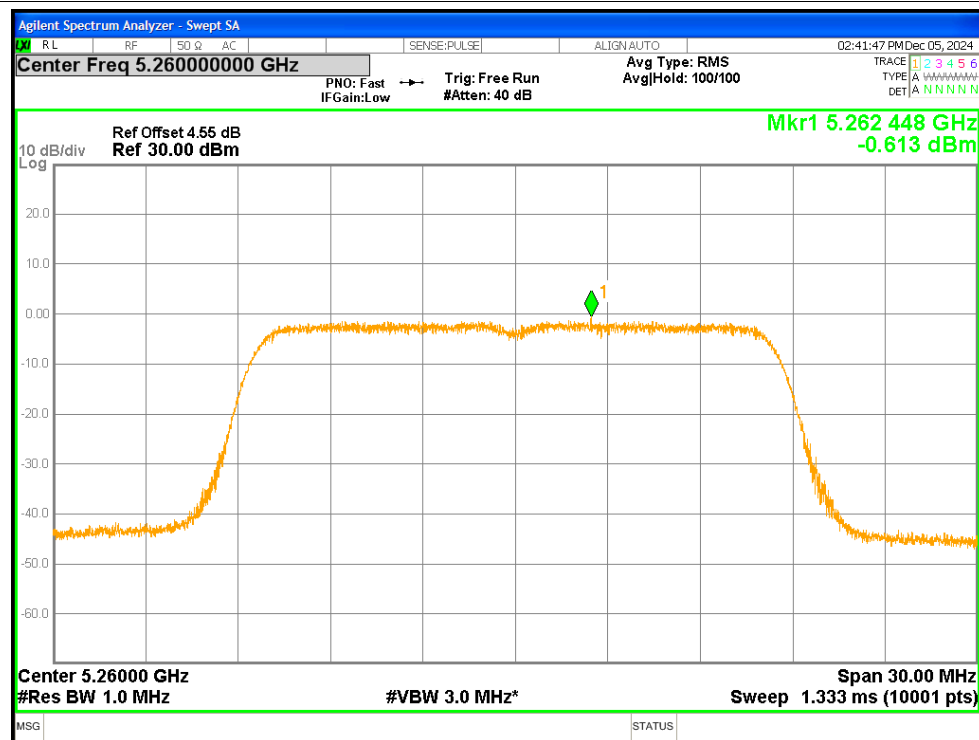
## PSD NVNT a 5300MHz Ant1



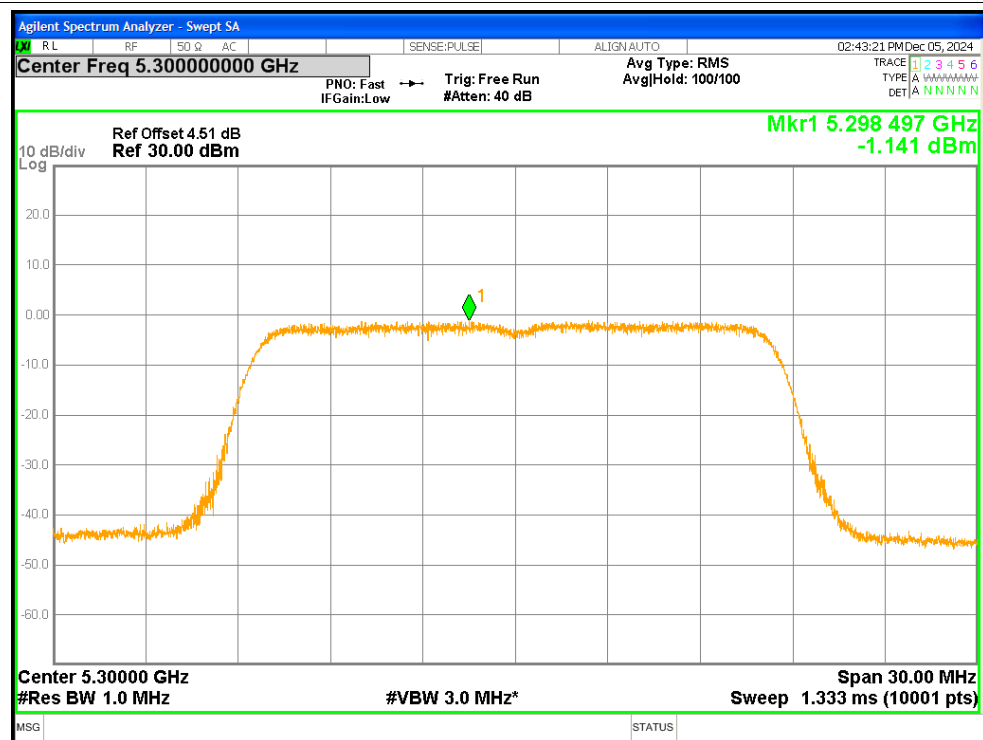
## PSD NVNT a 5320MHz Ant1



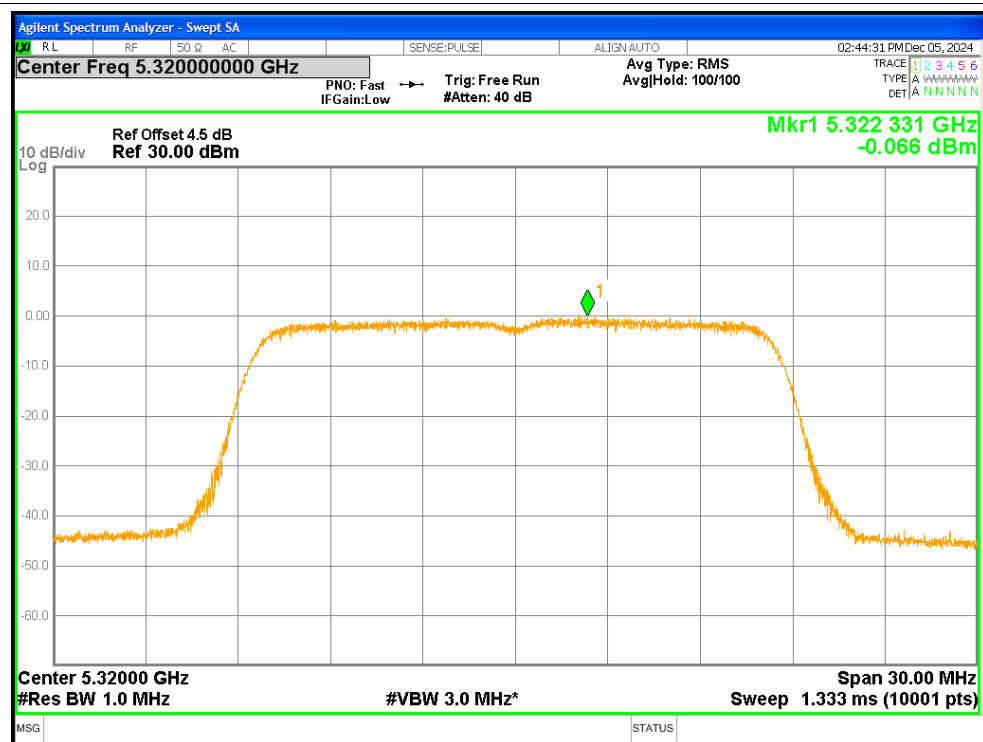
## PSD NVNT a 5260MHz Ant2



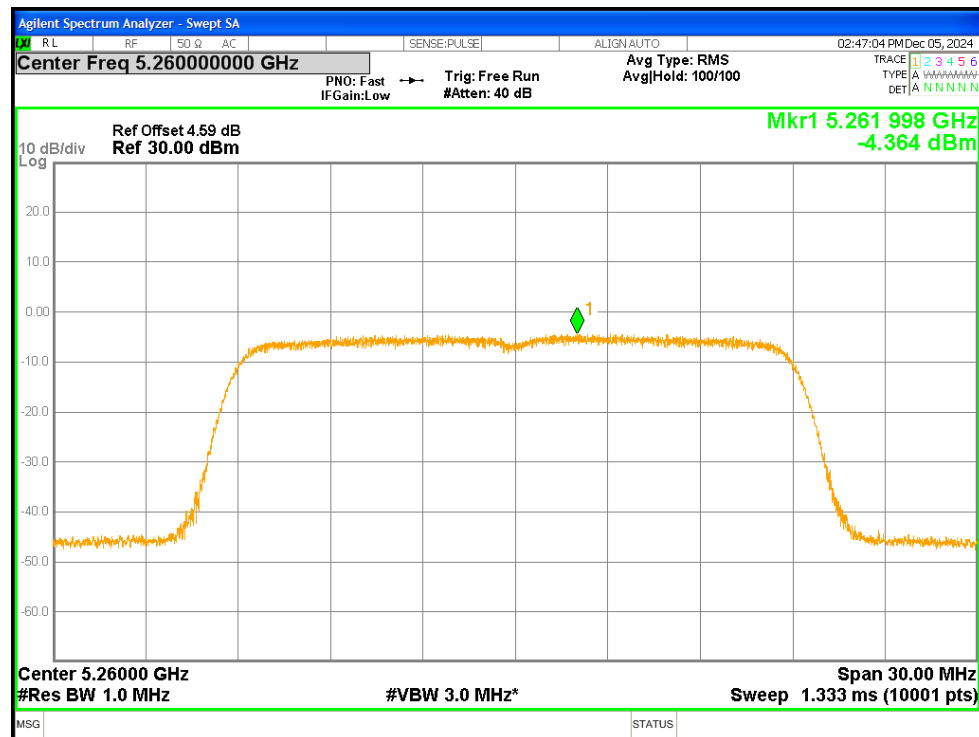
## PSD NVNT a 5300MHz Ant2



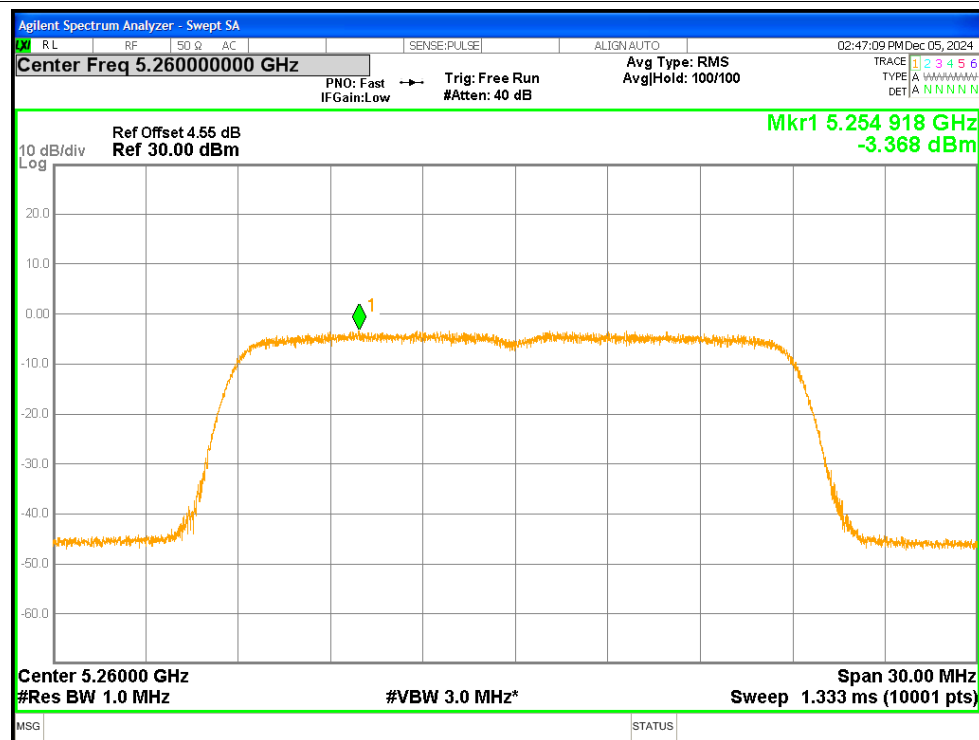
## PSD NVNT a 5320MHz Ant2



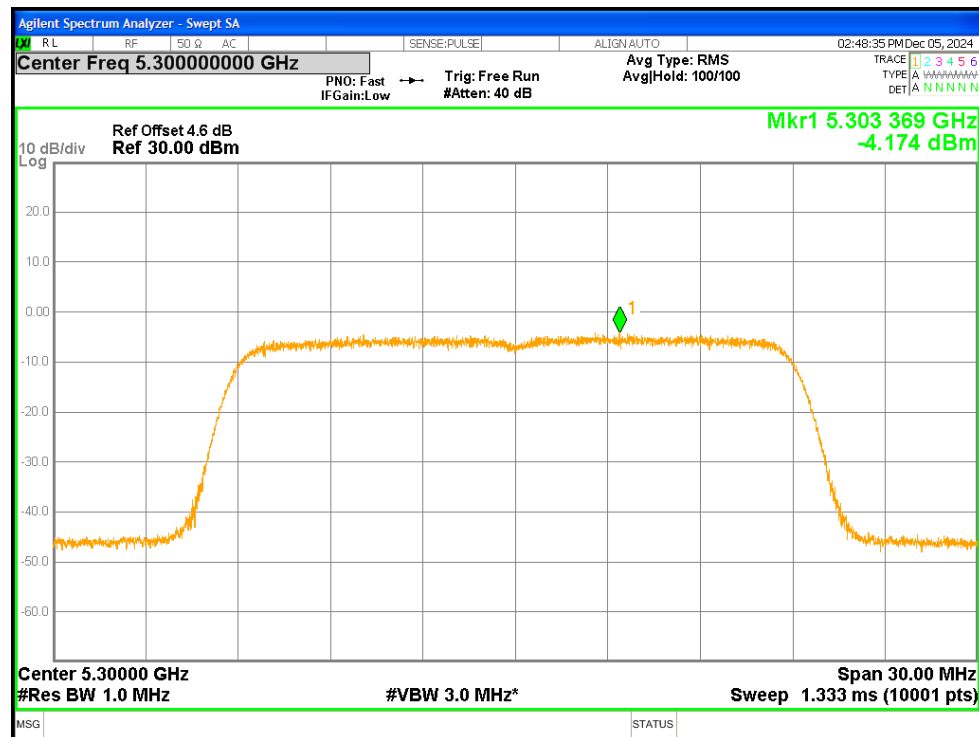
## PSD NVNT n20 5260MHz Ant1



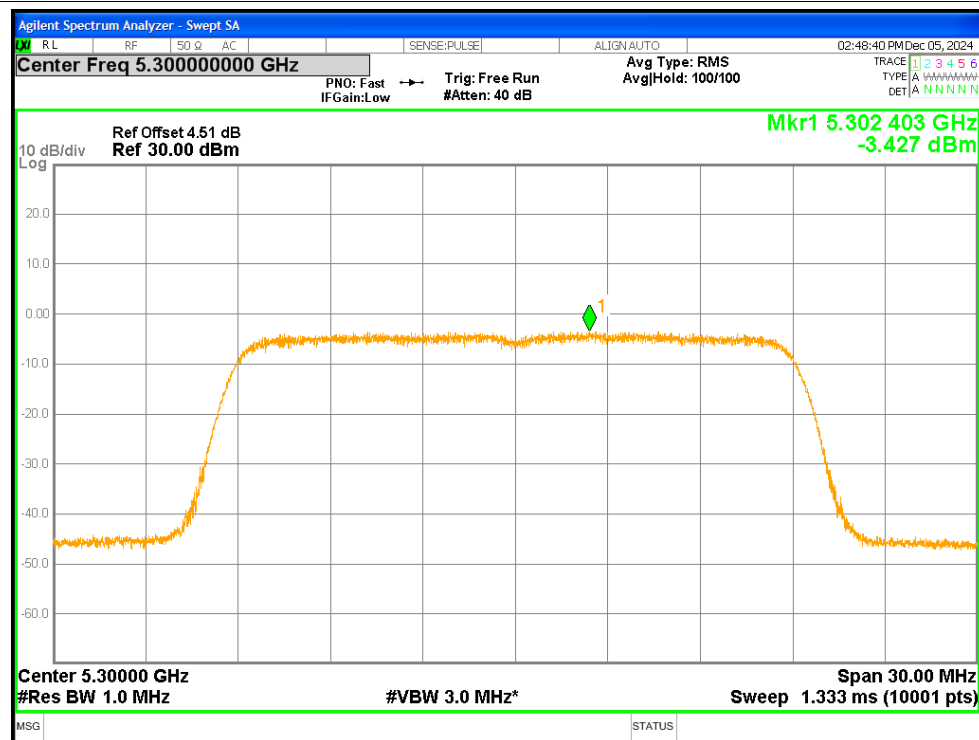
## PSD NVNT n20 5260MHz Ant2



## PSD NVNT n20 5300MHz Ant1

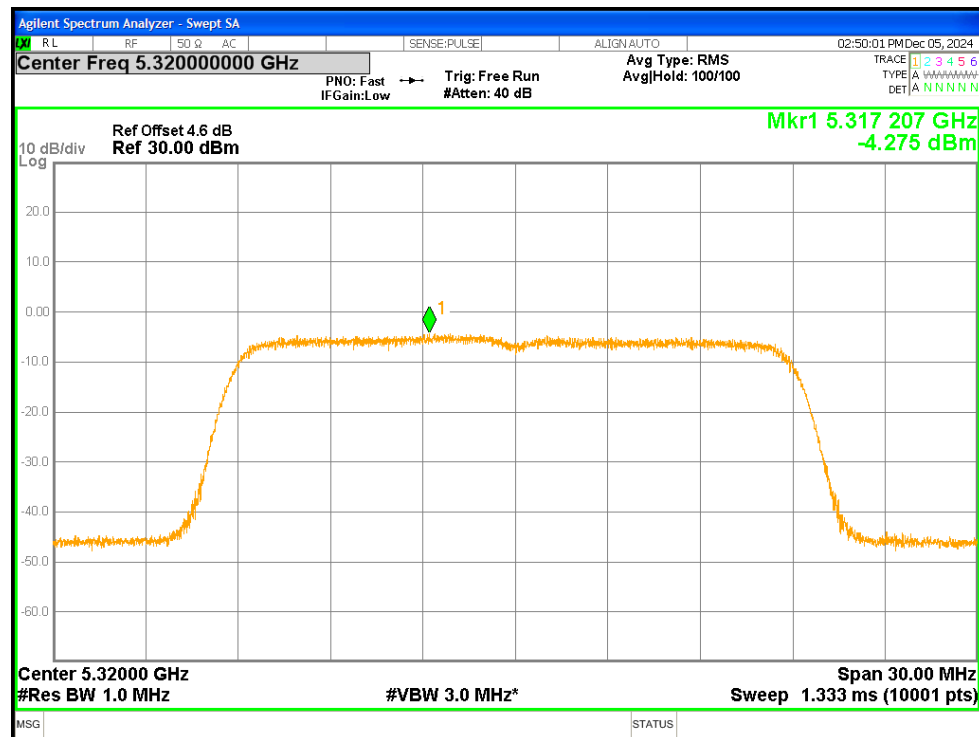


## PSD NVNT n20 5300MHz Ant2

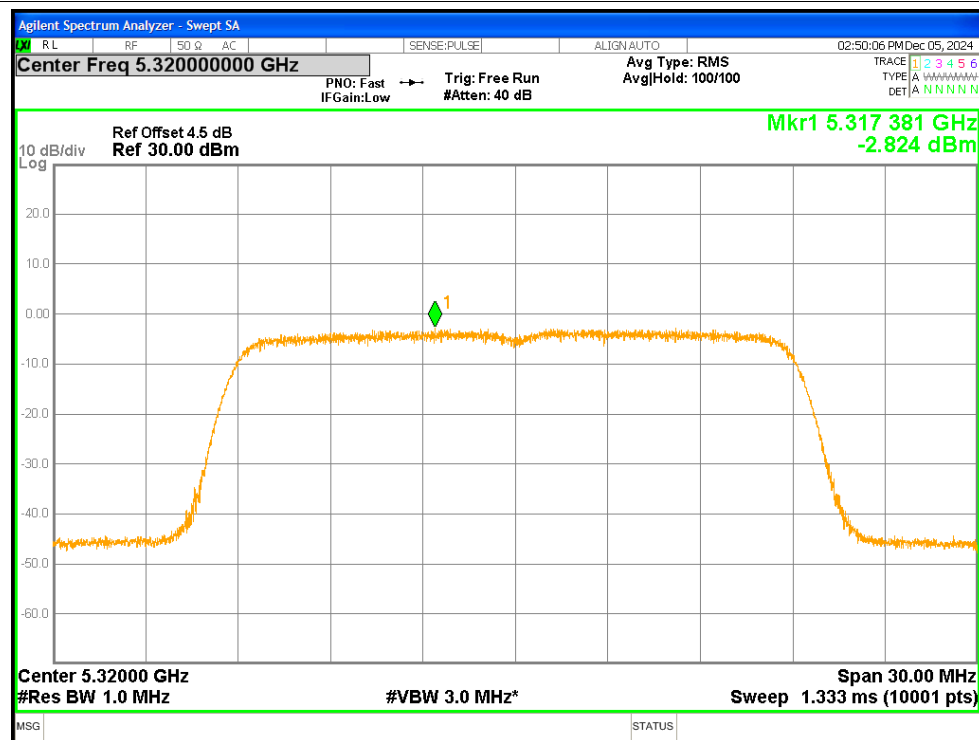




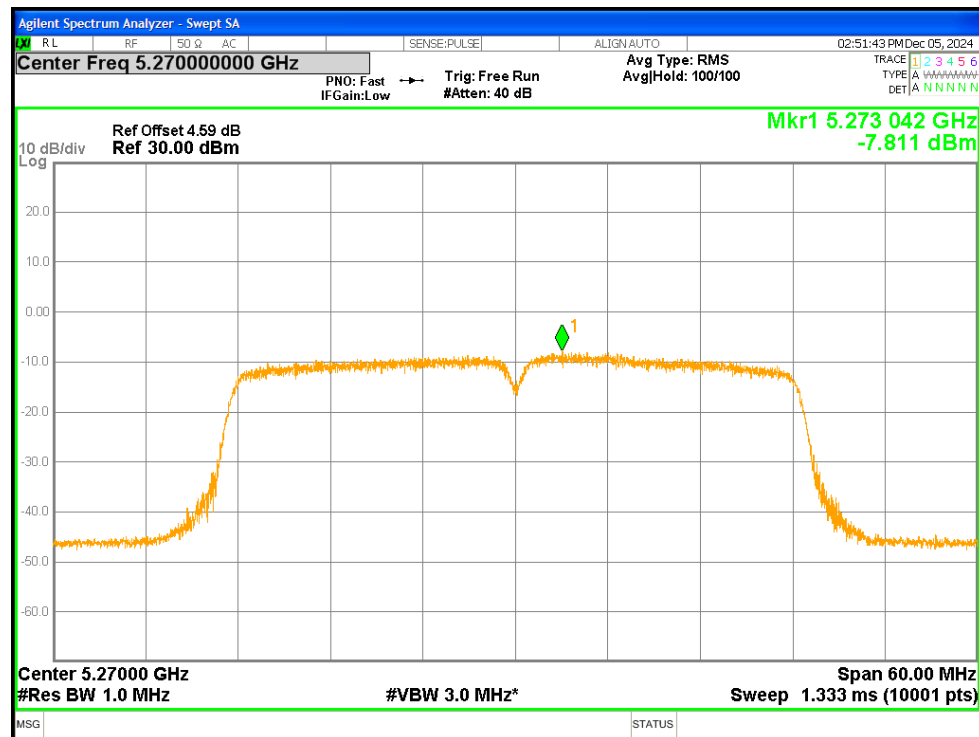
## PSD NVNT n20 5320MHz Ant1



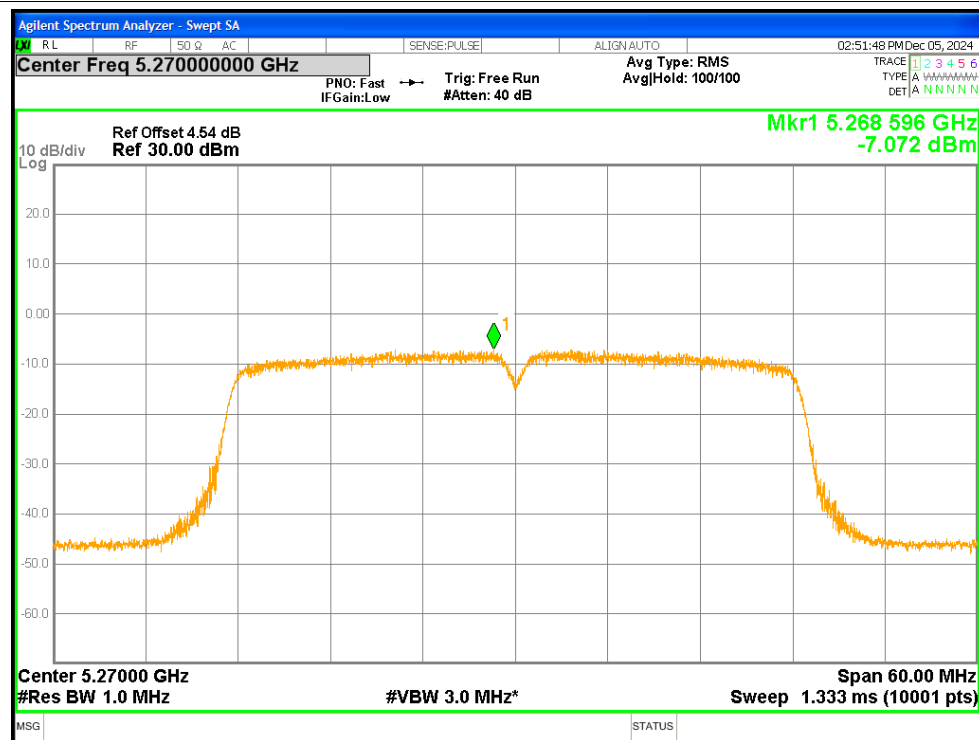
## PSD NVNT n20 5320MHz Ant2



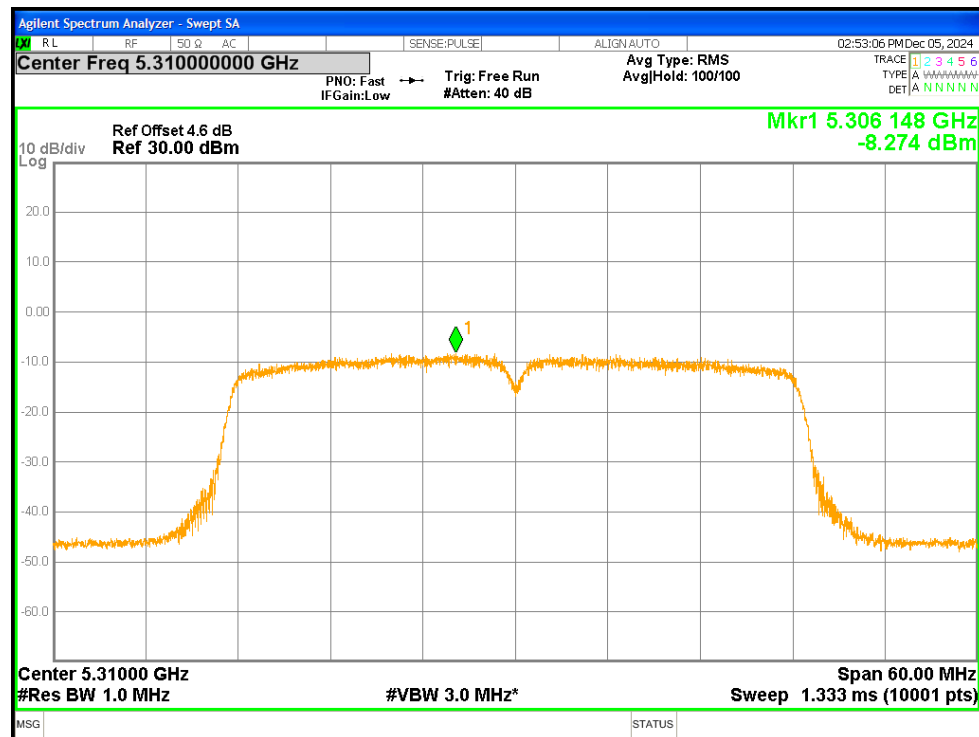
## PSD NVNT n40 5270MHz Ant1



## PSD NVNT n40 5270MHz Ant2



## PSD NVNT n40 5310MHz Ant1



## PSD NVNT n40 5310MHz Ant2

