



## Appendix E

### RF Test Data for 5.3GWIFI (Conducted Measurement)

Product Name: SEI900DEV

Test Model: IPA3352HDW

#### Environmental Conditions

|                    |            |
|--------------------|------------|
| Temperature:       | 24.3°C     |
| Relative Humidity: | 52.6%      |
| ATM Pressure:      | 100.0 kPa  |
| Test Engineer:     | Paddi Chen |
| Supervised by:     | Nick Peng  |





## E.1 -26dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | a    | 5260            | Ant1    | 29.935                 | ---                          | Pass    |
| NVNT      | a    | 5300            | Ant1    | 30                     | ---                          | Pass    |
| NVNT      | a    | 5320            | Ant1    | 30                     | ---                          | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 29.586                 | ---                          | Pass    |
| NVNT      | n20  | 5300            | Ant1    | 30                     | ---                          | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 29.977                 | ---                          | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 59.9                   | ---                          | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 59.161                 | ---                          | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 29.719                 | ---                          | Pass    |
| NVNT      | ac20 | 5300            | Ant1    | 29.569                 | ---                          | Pass    |
| NVNT      | ac20 | 5320            | Ant1    | 29.83                  | ---                          | Pass    |
| NVNT      | ac40 | 5270            | Ant1    | 49.624                 | ---                          | Pass    |
| NVNT      | ac40 | 5310            | Ant1    | 47.139                 | ---                          | Pass    |
| NVNT      | ac80 | 5290            | Ant1    | 115.878                | ---                          | Pass    |



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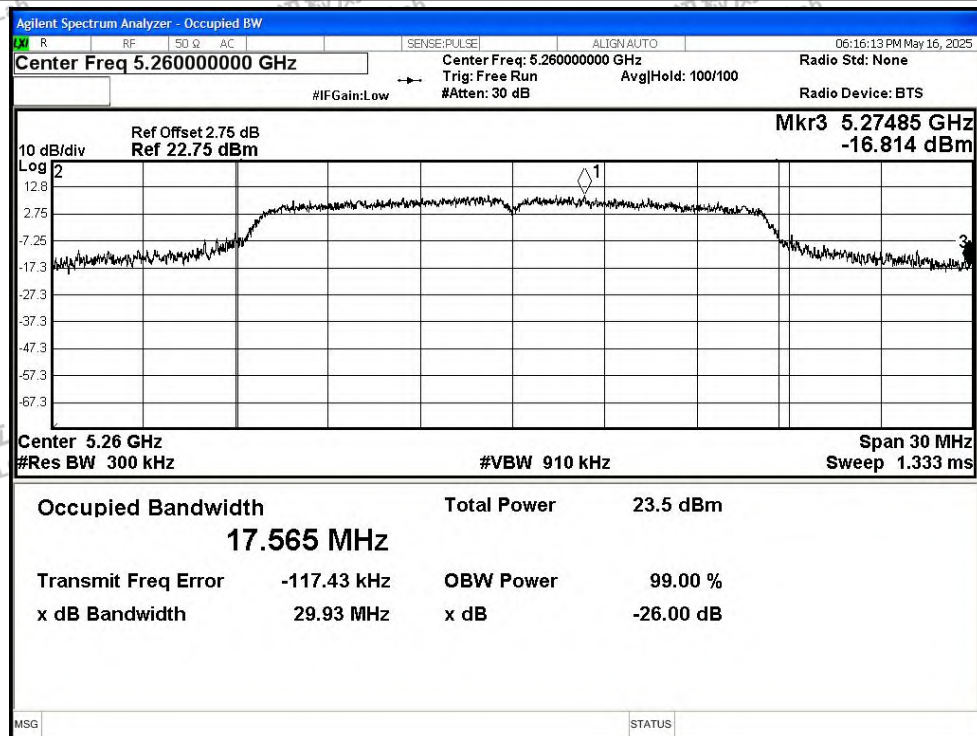
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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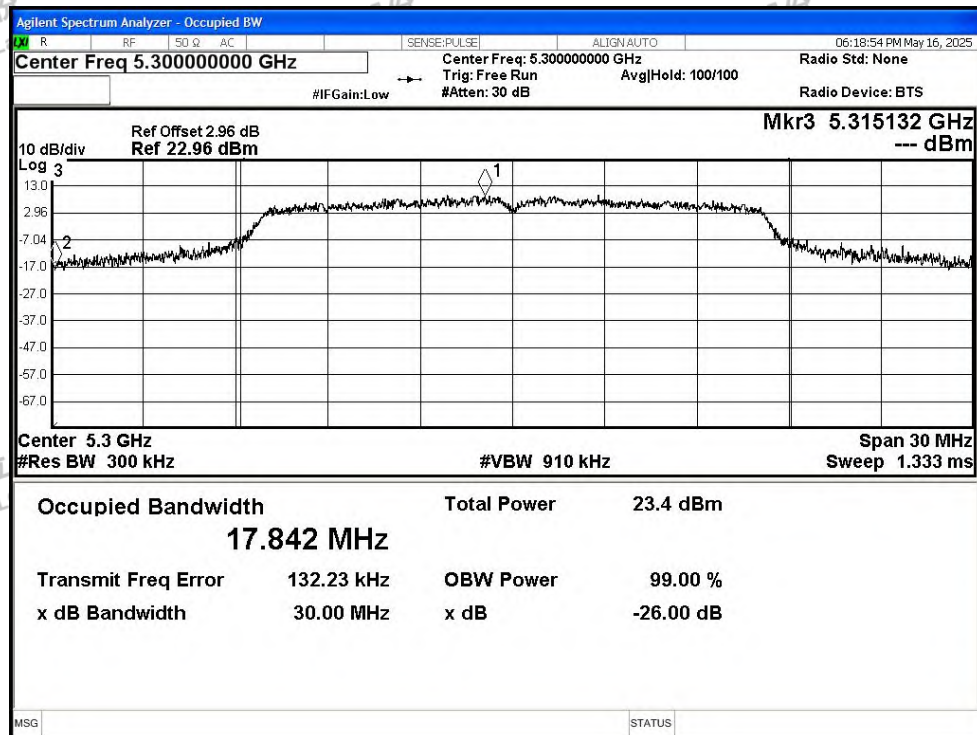


## Test Graphs

## -26dB Bandwidth NVNT a 5260MHz Ant1



## -26dB Bandwidth NVNT a 5300MHz Ant1



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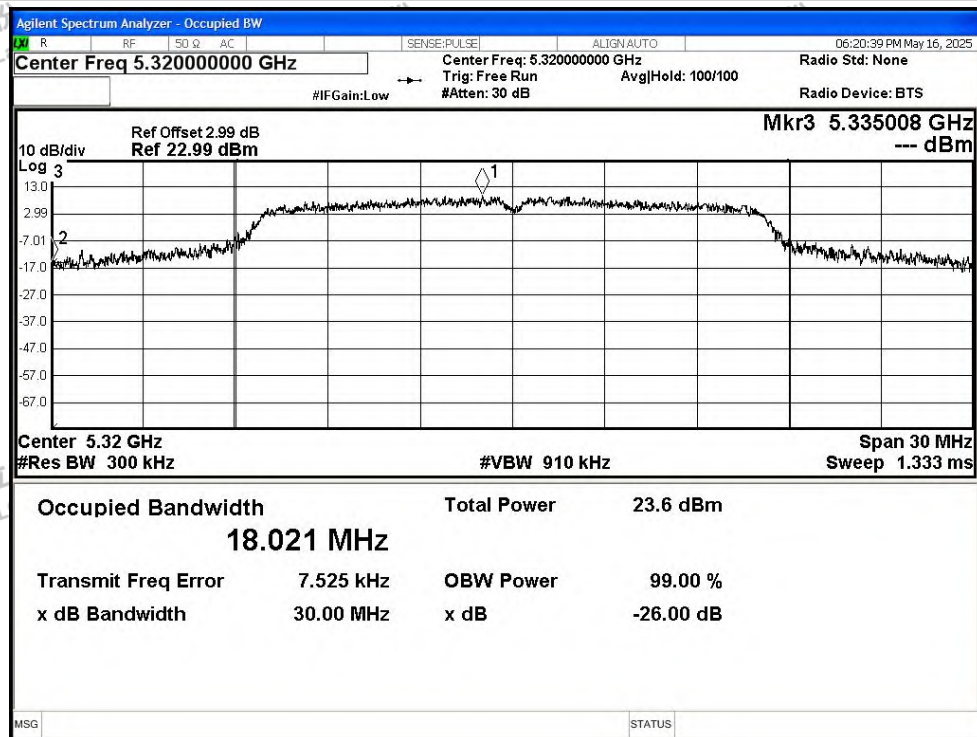
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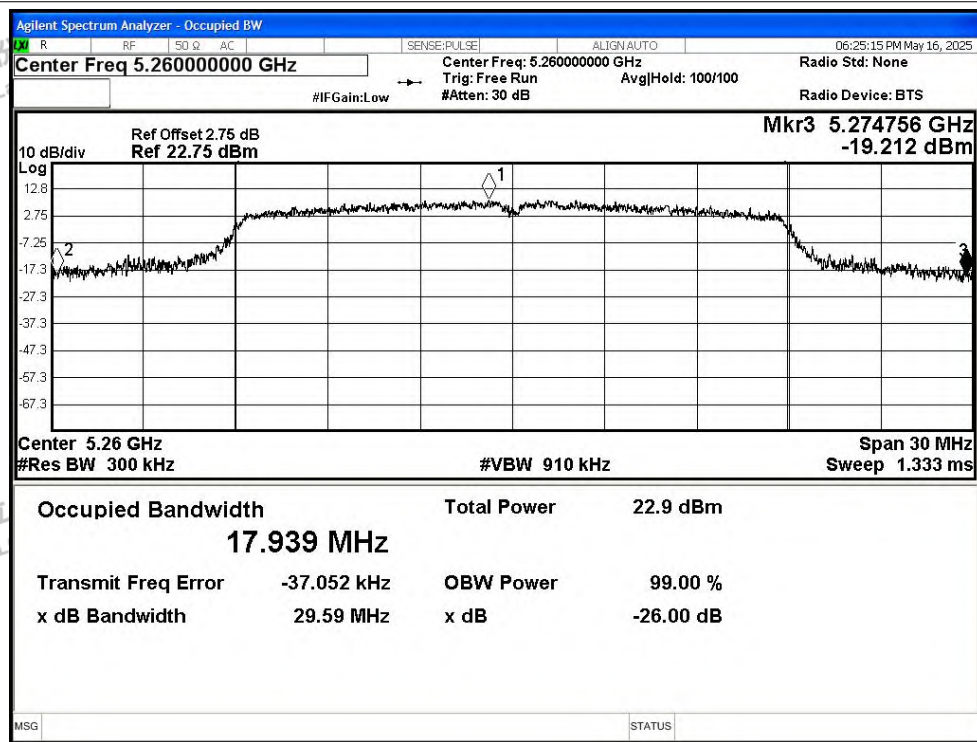
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## -26dB Bandwidth NVNT a 5320MHz Ant1



## -26dB Bandwidth NVNT n20 5260MHz Ant1



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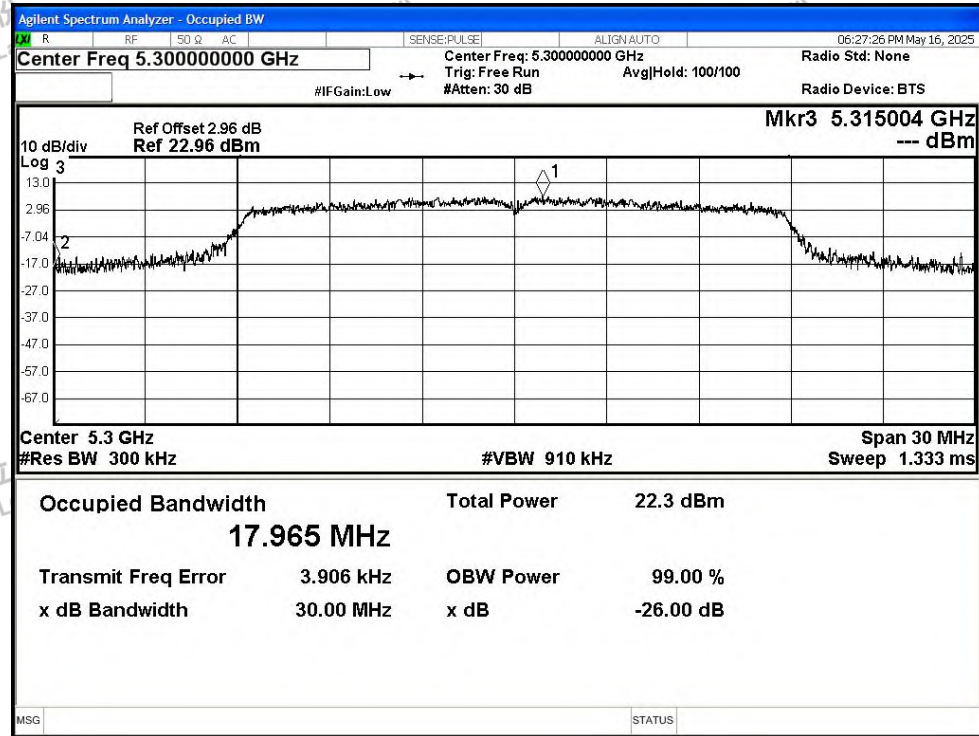
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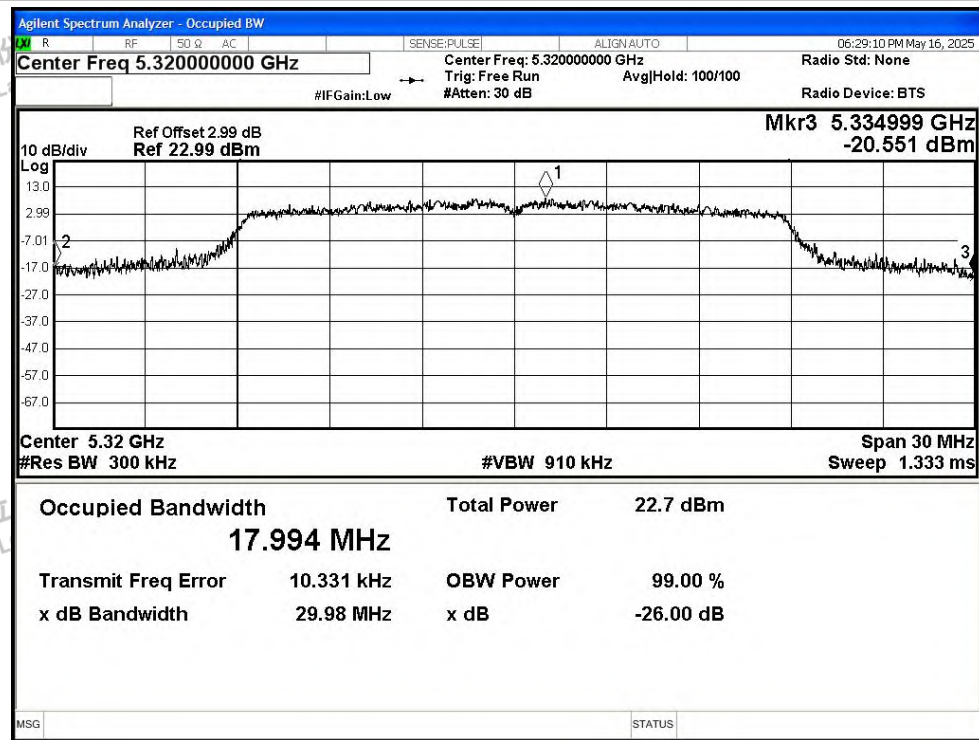




-26dB Bandwidth NVNT n20 5300MHz Ant1



-26dB Bandwidth NVNT n20 5320MHz Ant1



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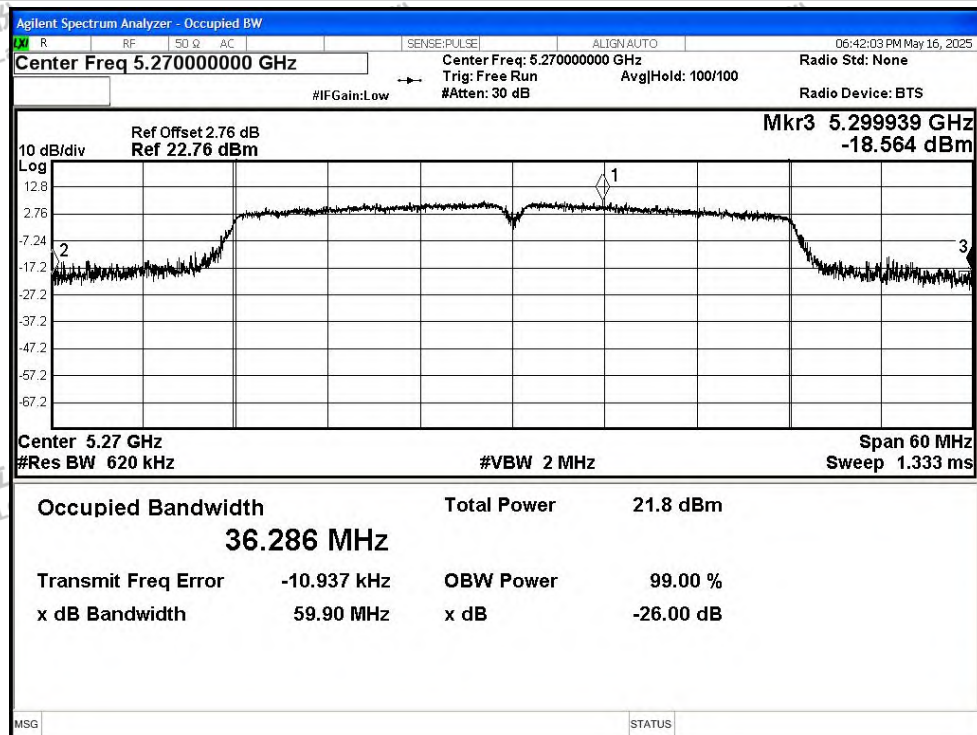
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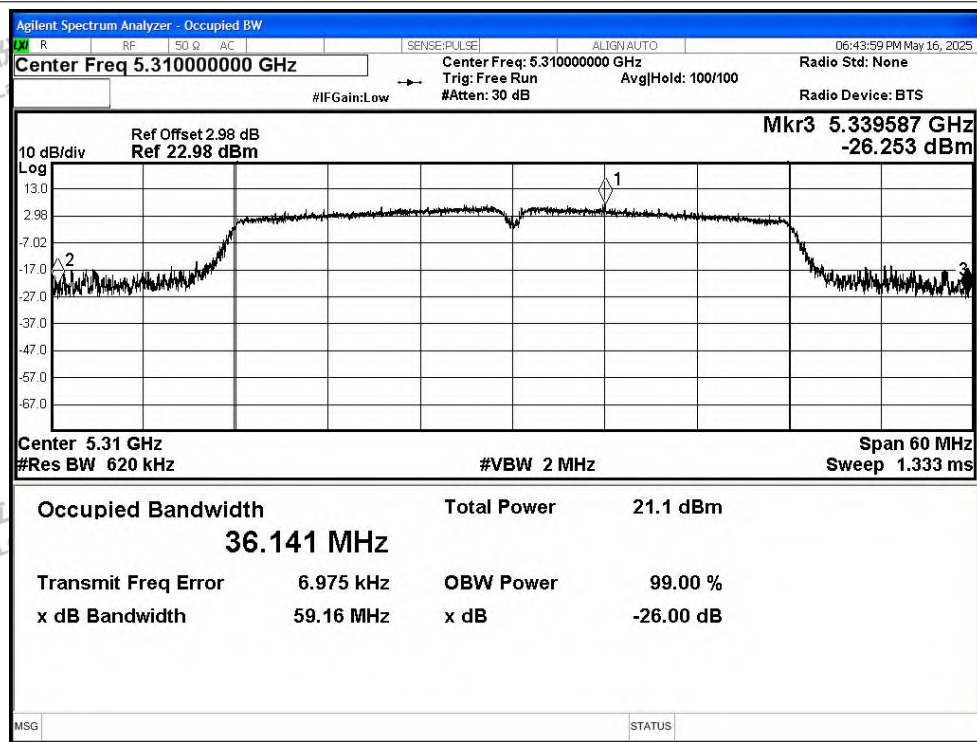
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## -26dB Bandwidth NVNT n40 5270MHz Ant1



## -26dB Bandwidth NVNT n40 5310MHz Ant1



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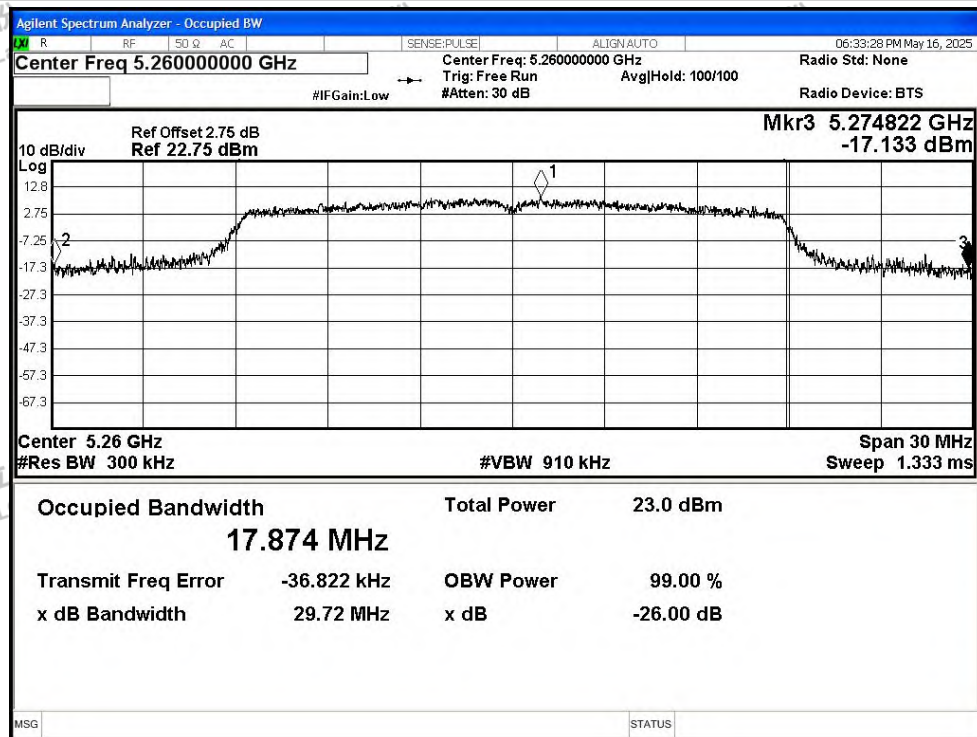
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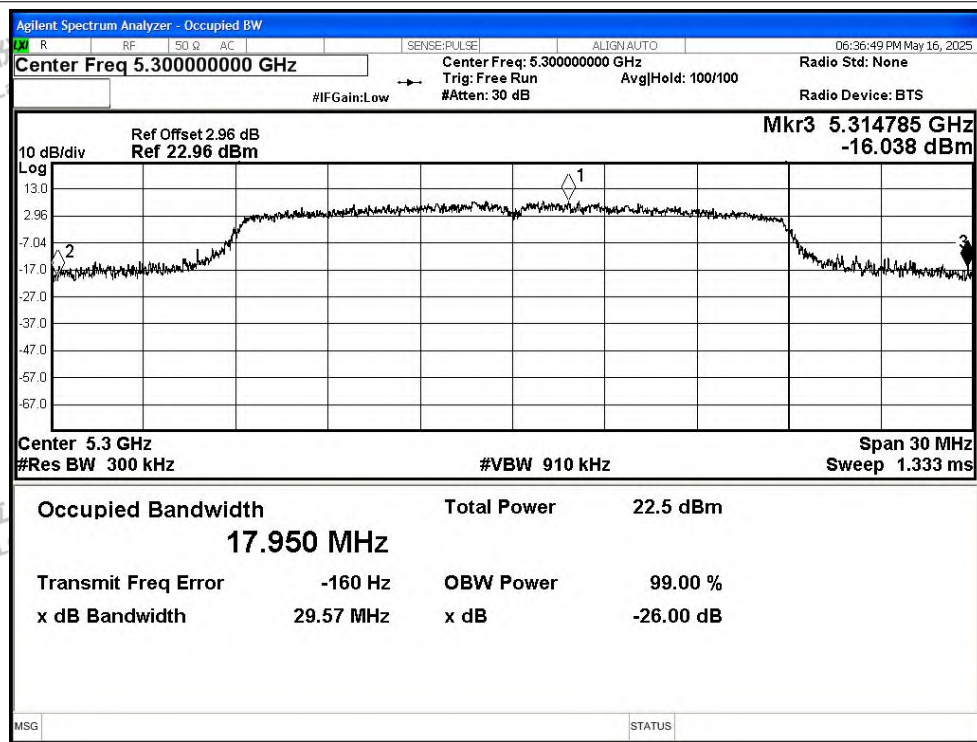
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## -26dB Bandwidth NVNT ac20 5260MHz Ant1



## -26dB Bandwidth NVNT ac20 5300MHz Ant1



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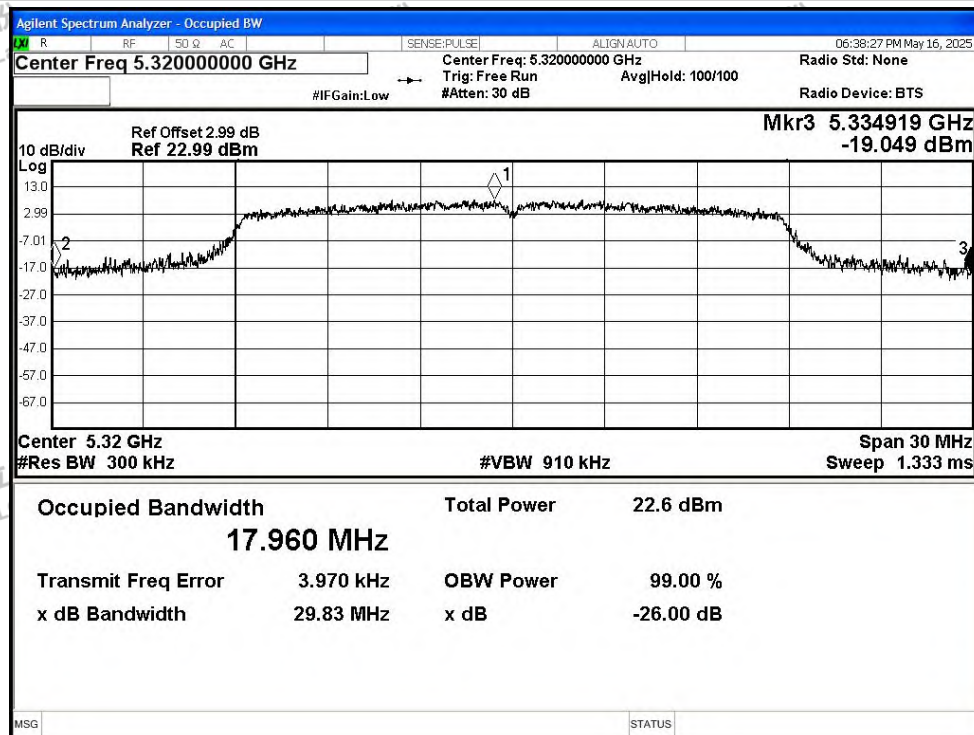
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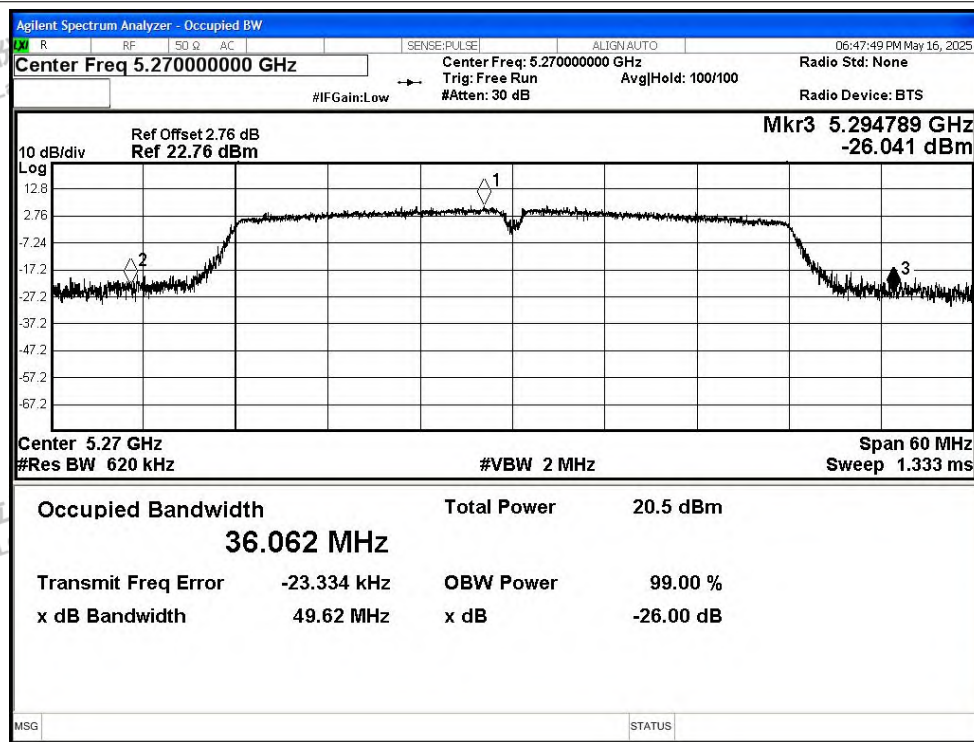




## -26dB Bandwidth NVNT ac20 5320MHz Ant1



## -26dB Bandwidth NVNT ac40 5270MHz Ant1



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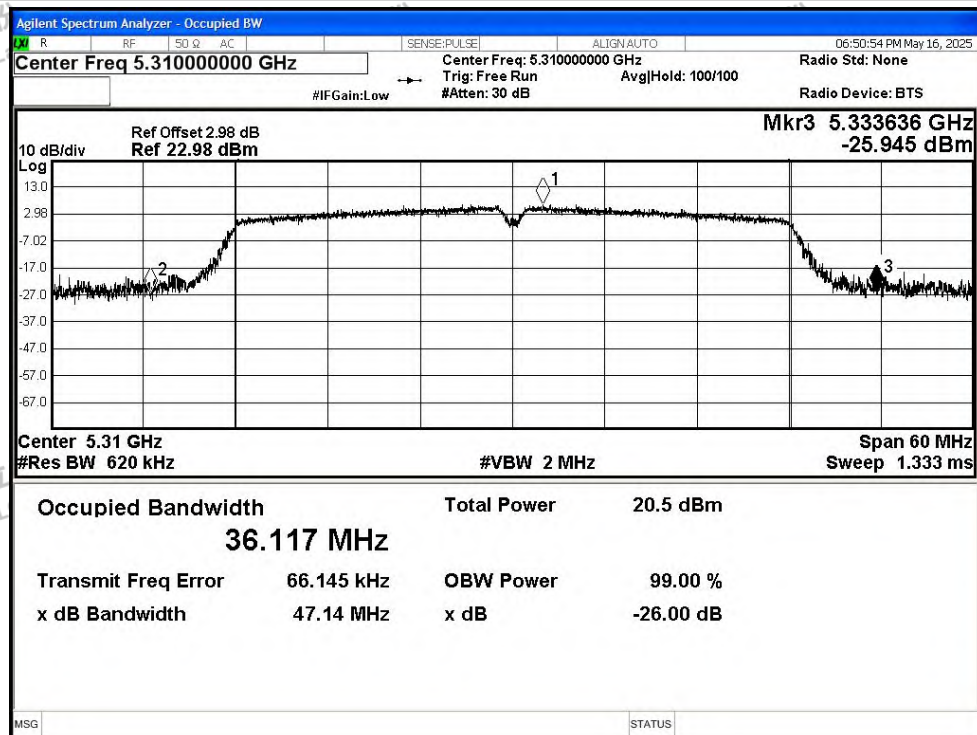
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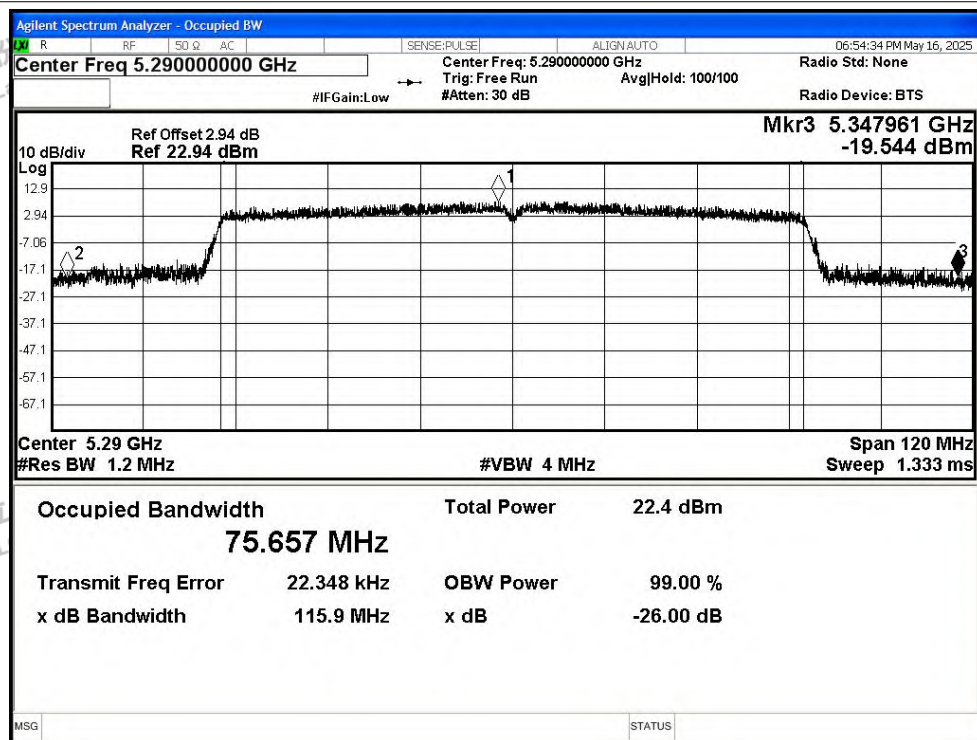




## -26dB Bandwidth NVNT ac40 5310MHz Ant1



## -26dB Bandwidth NVNT ac80 5290MHz Ant1



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| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | a    | 5260            | Ant2    | 29.266                 | ---                          | Pass    |
| NVNT      | a    | 5300            | Ant2    | 28.017                 | ---                          | Pass    |
| NVNT      | a    | 5320            | Ant2    | 29.287                 | ---                          | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 29.402                 | ---                          | Pass    |
| NVNT      | n20  | 5300            | Ant2    | 29.885                 | ---                          | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 28.948                 | ---                          | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 54.974                 | ---                          | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 51.281                 | ---                          | Pass    |
| NVNT      | ac20 | 5260            | Ant2    | 29.881                 | ---                          | Pass    |
| NVNT      | ac20 | 5300            | Ant2    | 28.387                 | ---                          | Pass    |
| NVNT      | ac20 | 5320            | Ant2    | 29.2                   | ---                          | Pass    |
| NVNT      | ac40 | 5270            | Ant2    | 45.98                  | ---                          | Pass    |
| NVNT      | ac40 | 5310            | Ant2    | 50.133                 | ---                          | Pass    |
| NVNT      | ac80 | 5290            | Ant2    | 88.151                 | ---                          | Pass    |



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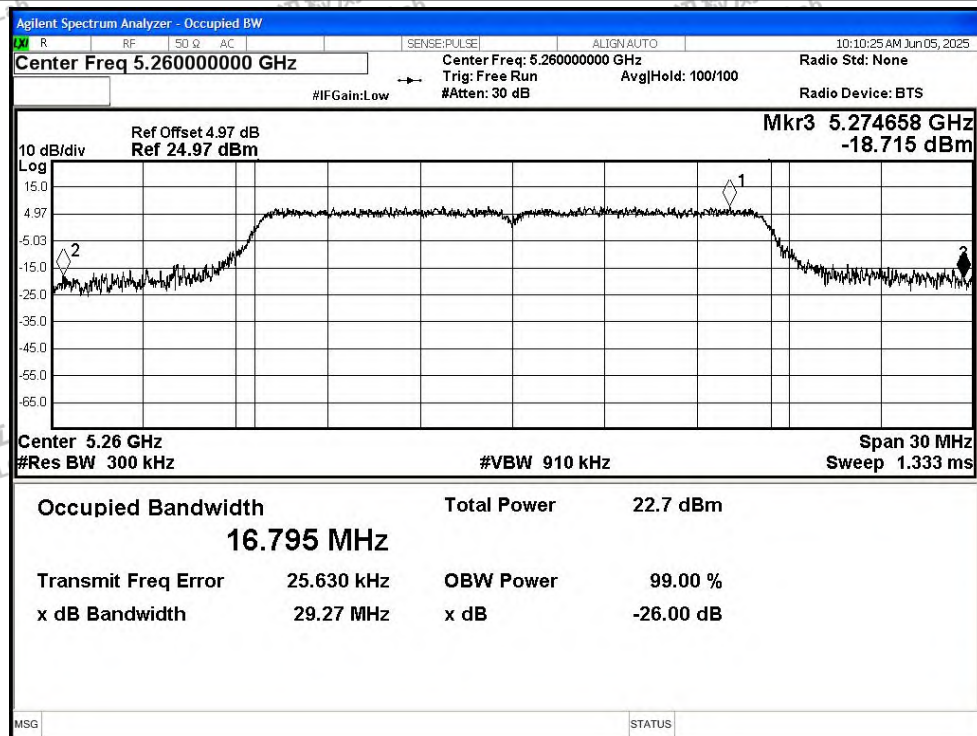
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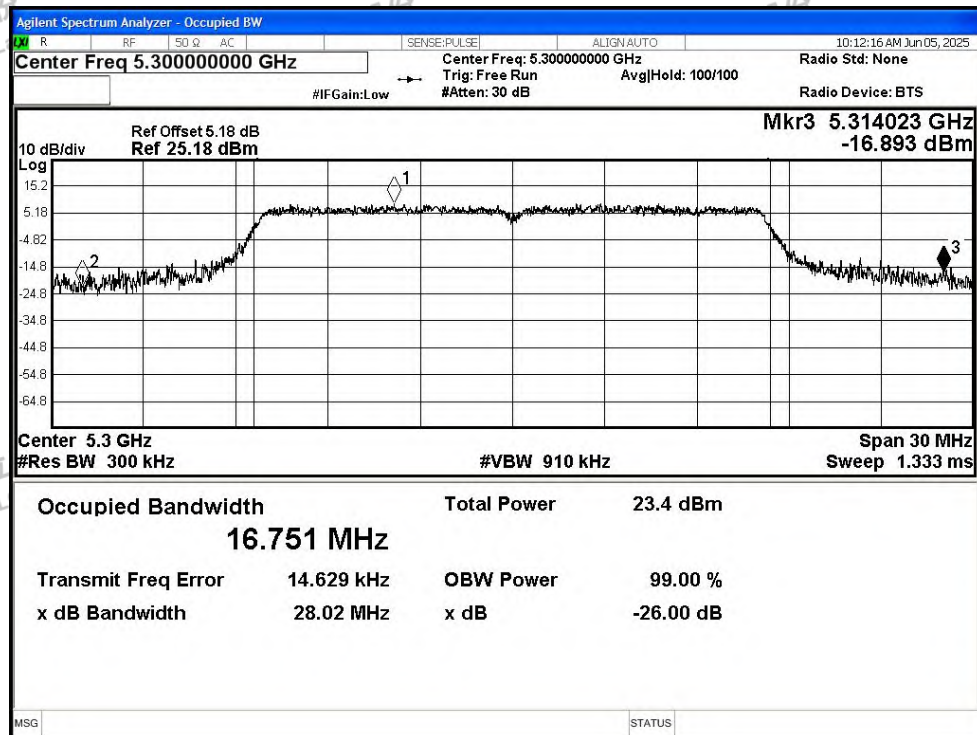


## Test Graphs

## -26dB Bandwidth NVNT a 5260MHz Ant2



## -26dB Bandwidth NVNT a 5300MHz Ant2



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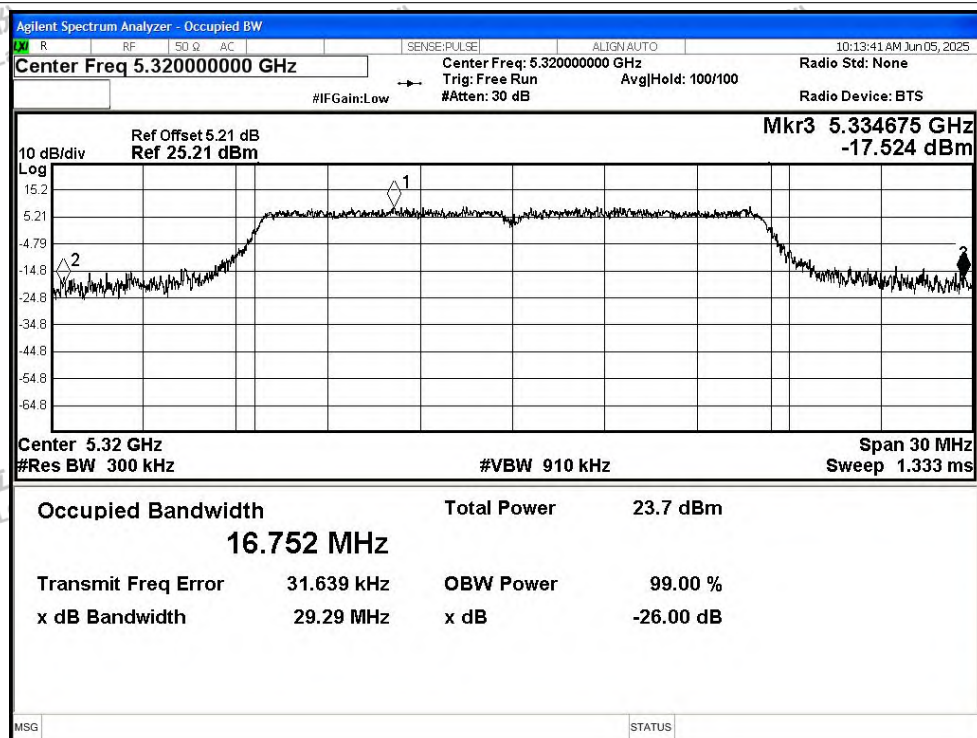
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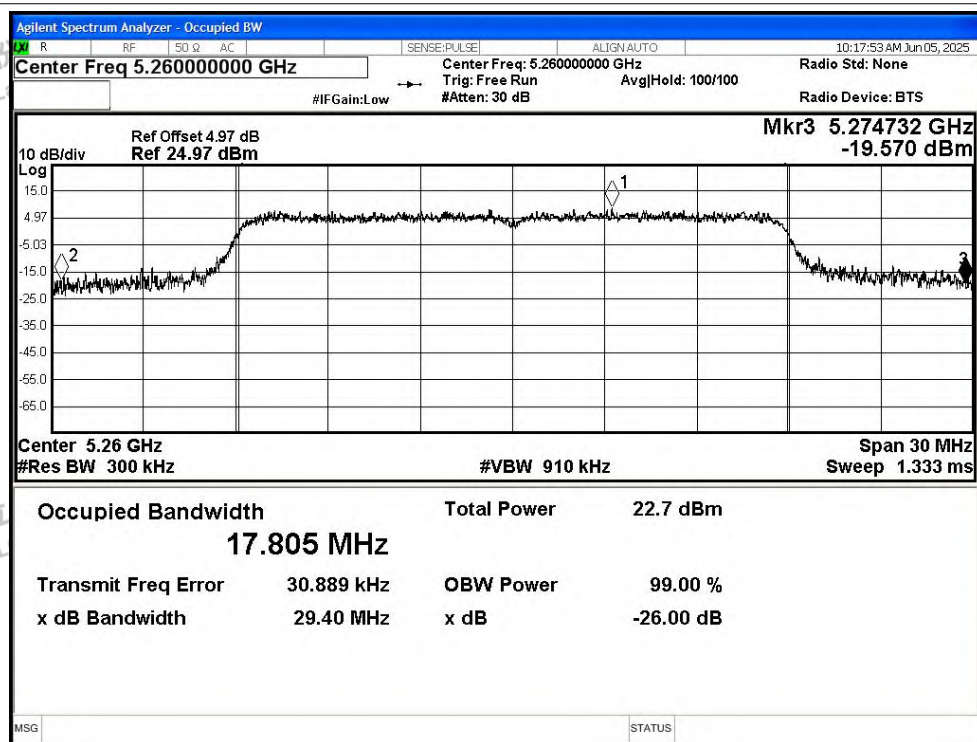




## -26dB Bandwidth NVNT a 5320MHz Ant2



## -26dB Bandwidth NVNT n20 5260MHz Ant2



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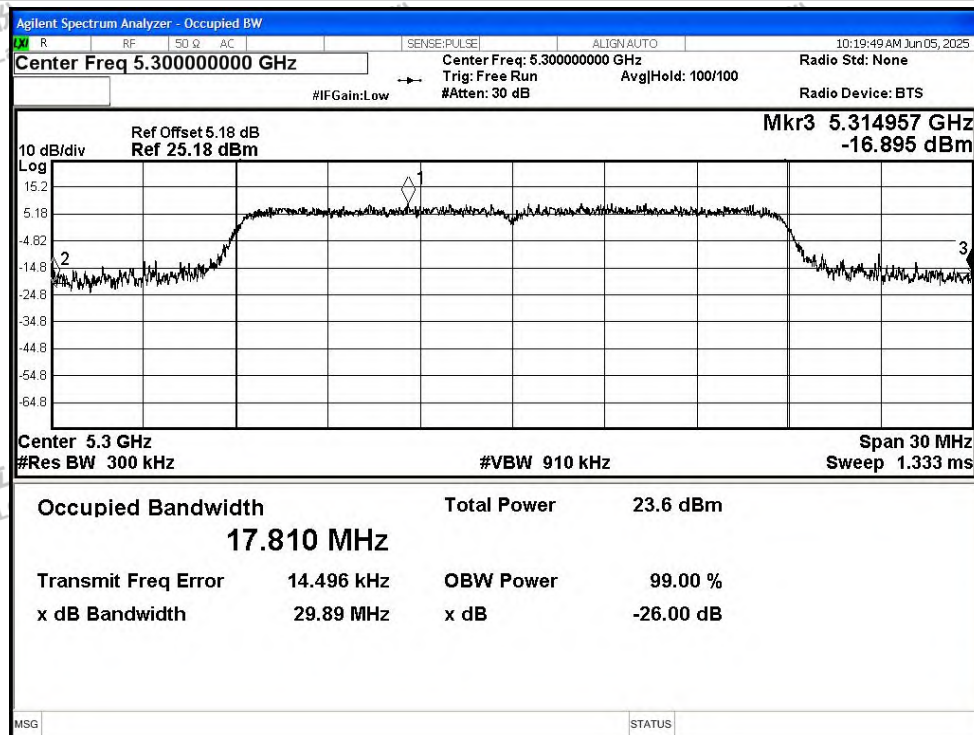
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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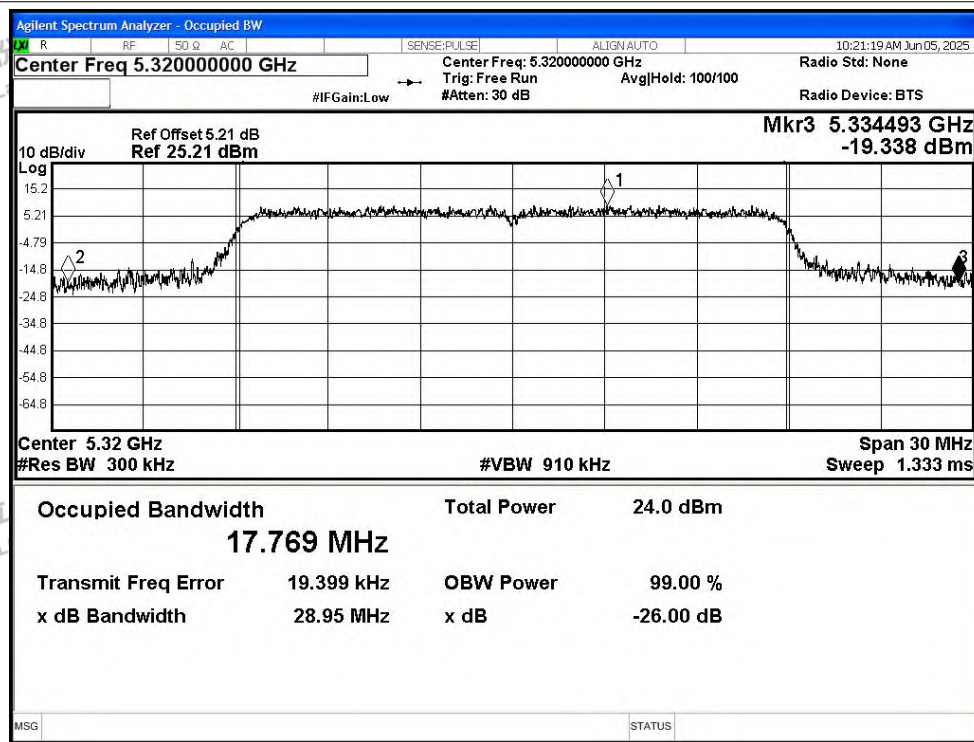
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-26dB Bandwidth NVNT n20 5300MHz Ant2



-26dB Bandwidth NVNT n20 5320MHz Ant2



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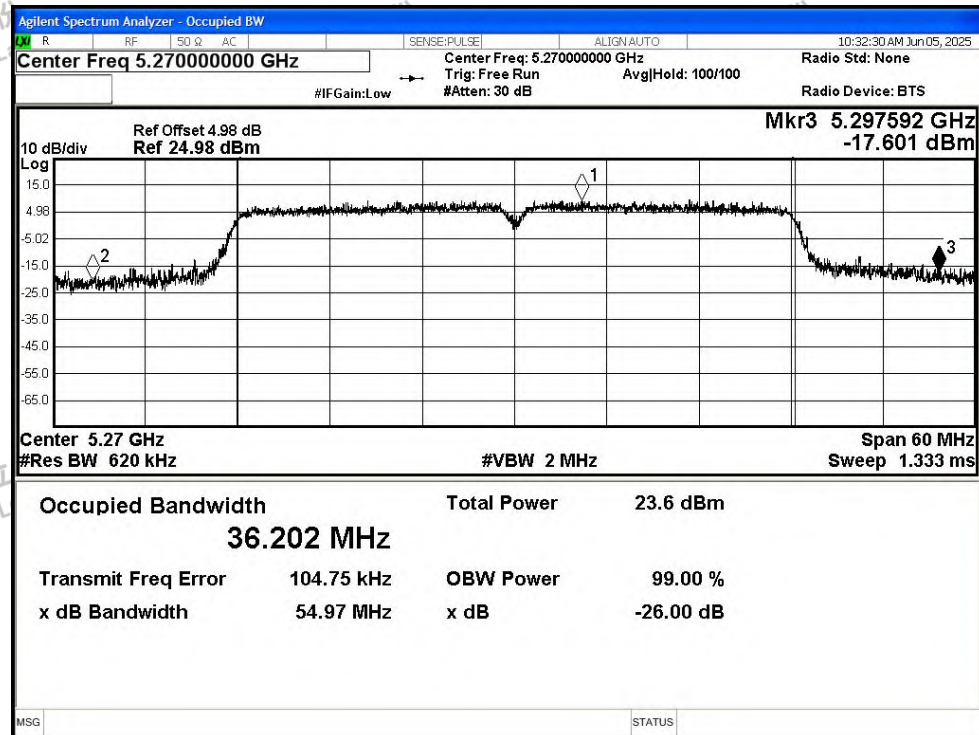
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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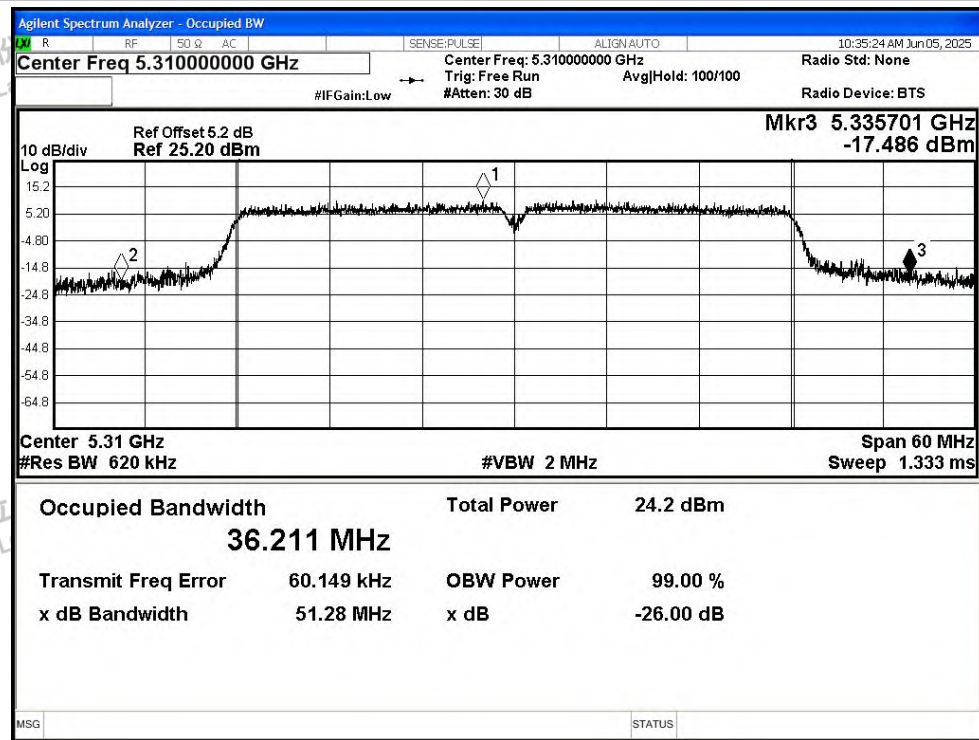
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## -26dB Bandwidth NVNT n40 5270MHz Ant2



## -26dB Bandwidth NVNT n40 5310MHz Ant2



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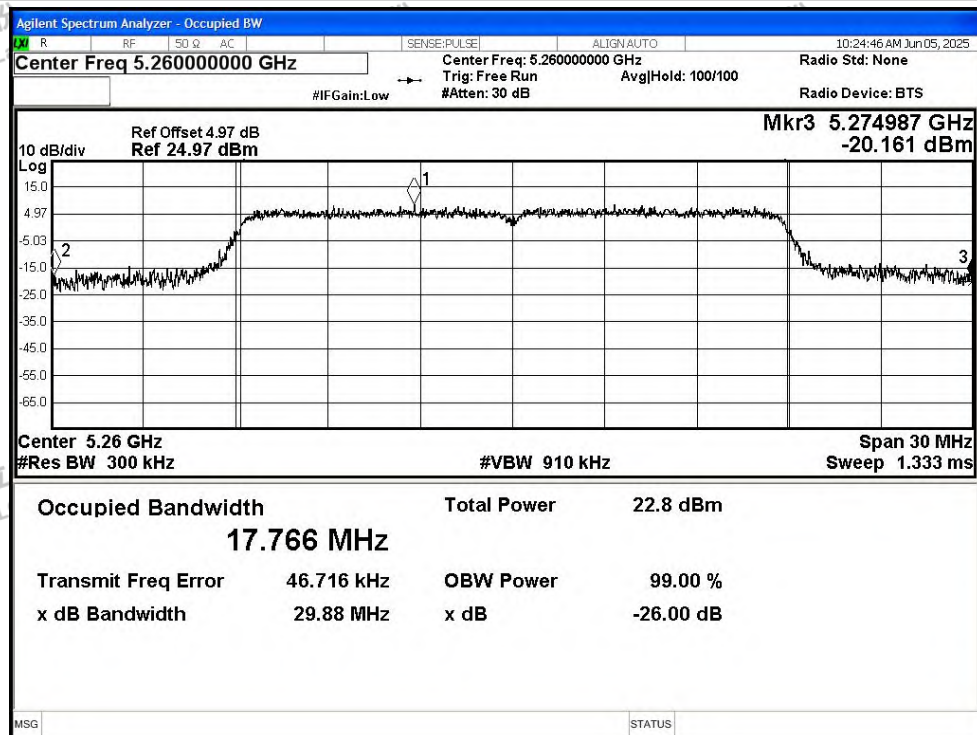
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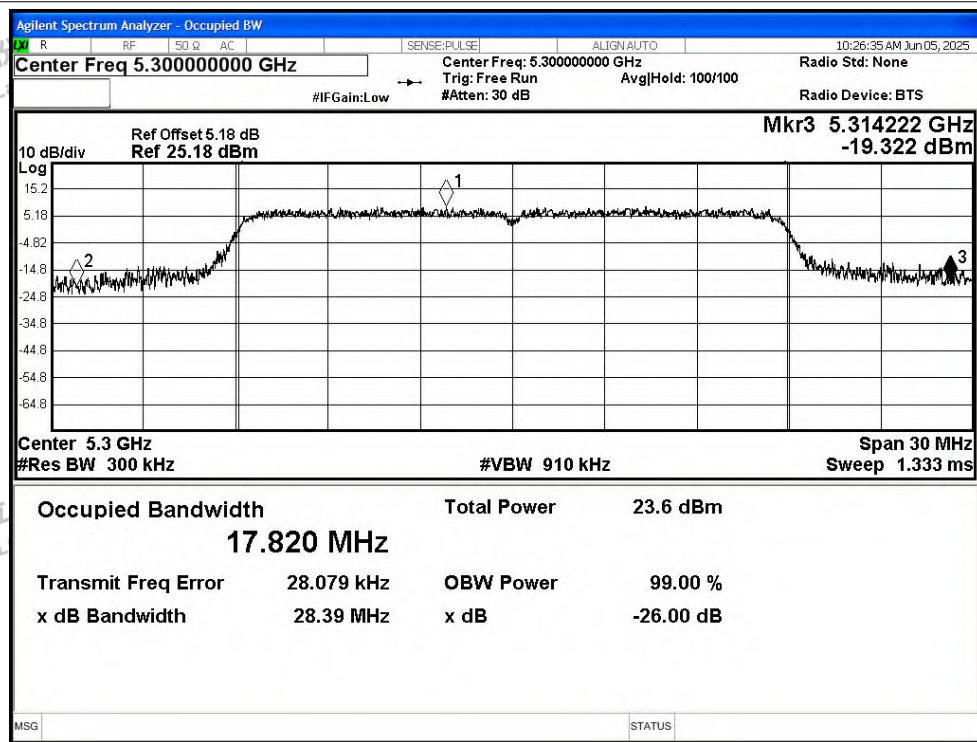




## -26dB Bandwidth NVNT ac20 5260MHz Ant2



## -26dB Bandwidth NVNT ac20 5300MHz Ant2



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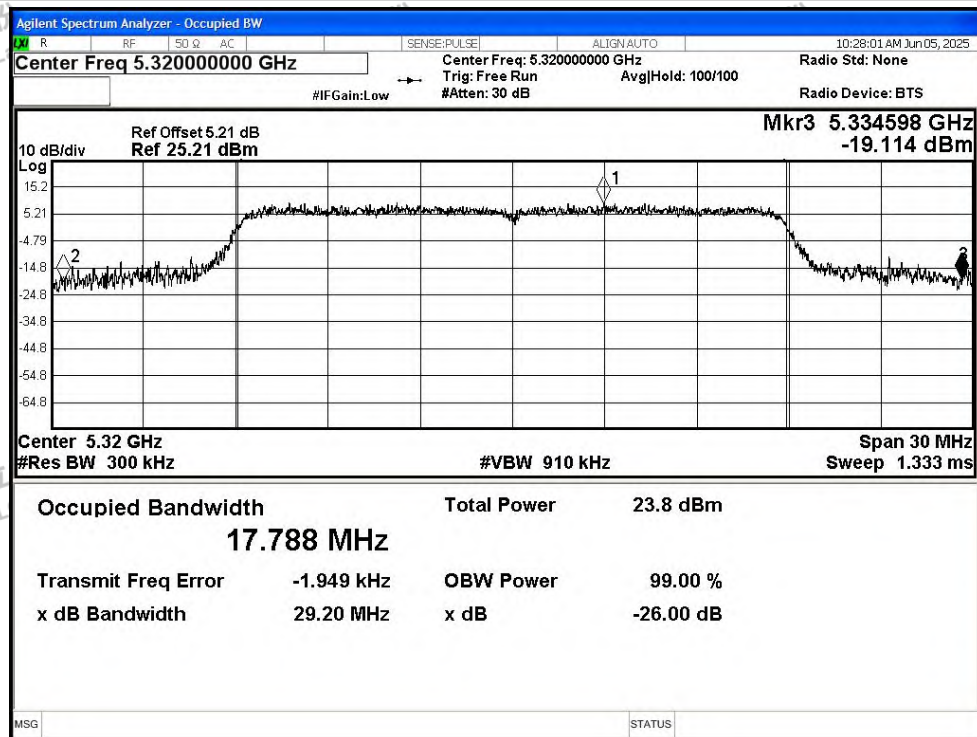
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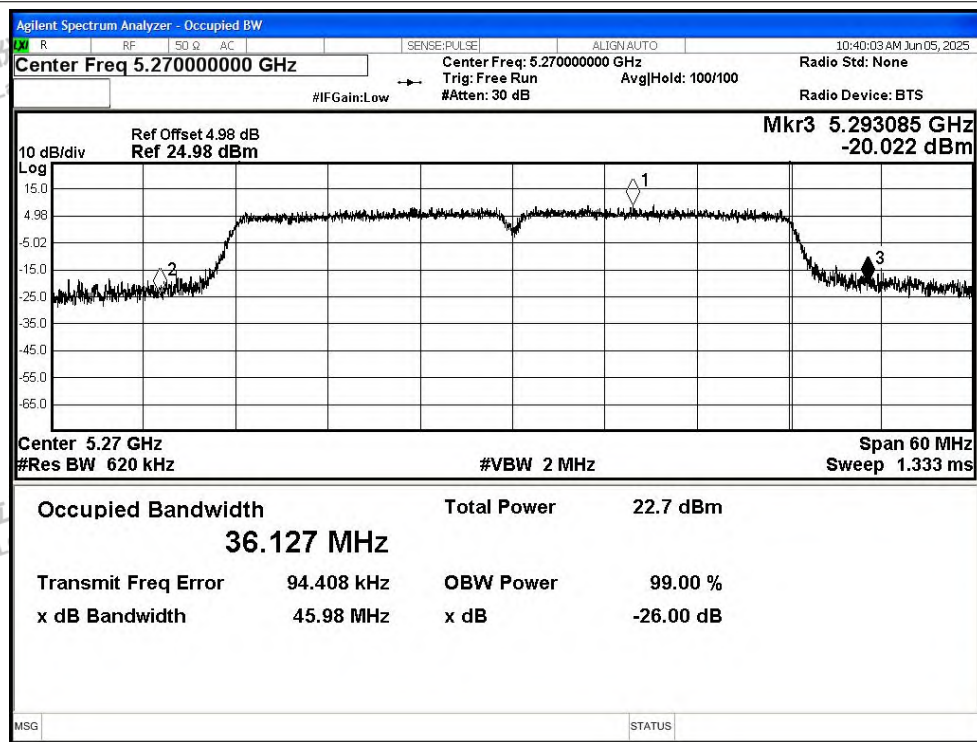




## -26dB Bandwidth NVNT ac20 5320MHz Ant2



## -26dB Bandwidth NVNT ac40 5270MHz Ant2



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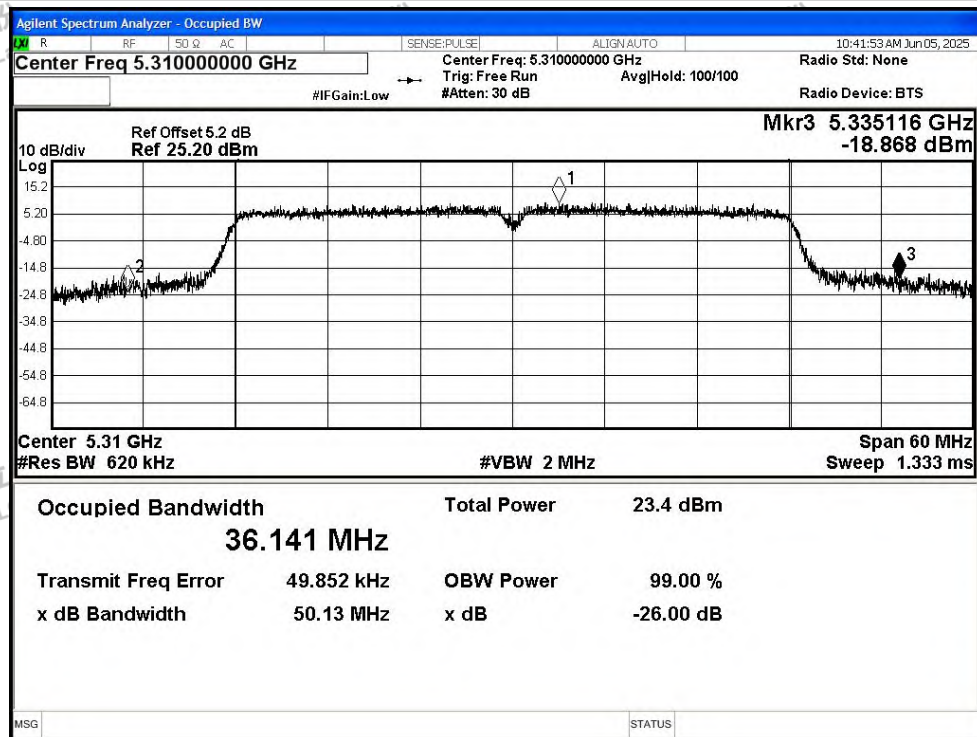
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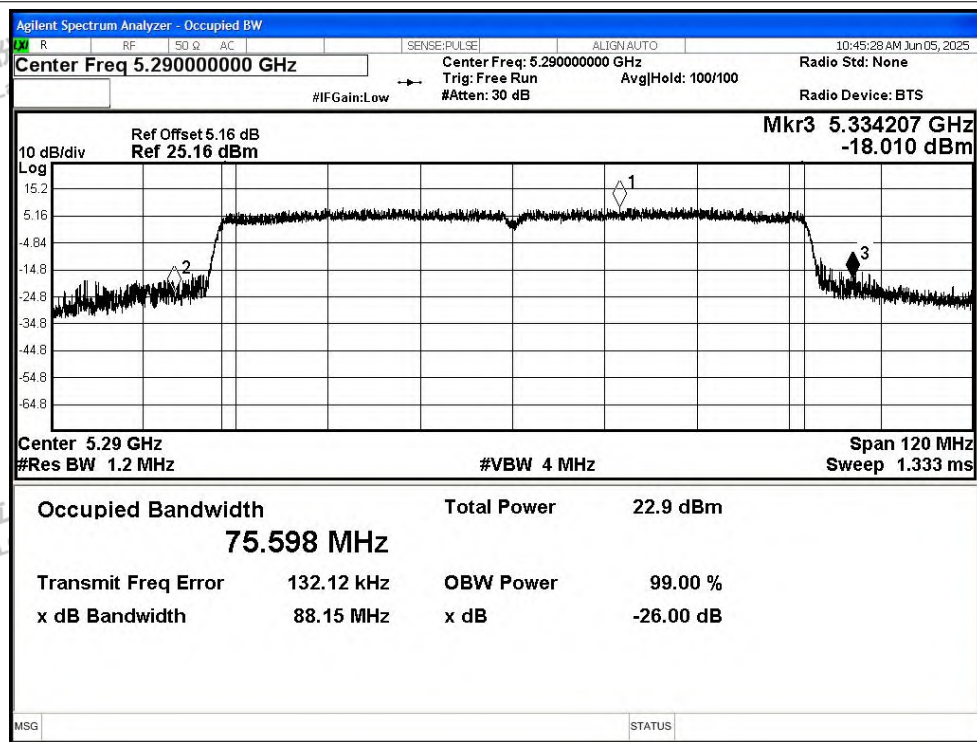
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## -26dB Bandwidth NVNT ac40 5310MHz Ant2



## -26dB Bandwidth NVNT ac80 5290MHz Ant2



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## E.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    | 17.72                 | 0.13             | 17.85             | 24          | Pass    |
| NVNT      | a    | 5300            | Ant1    | 17.65                 | 0.13             | 17.78             | 24          | Pass    |
| NVNT      | a    | 5320            | Ant1    | 17.87                 | 0.13             | 18                | 24          | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 12.96                 | 0.14             | 13.1              | 24          | Pass    |
| NVNT      | n20  | 5300            | Ant1    | 13.3                  | 0.14             | 13.44             | 24          | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 13.63                 | 0.14             | 13.77             | 24          | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 15.65                 | 0.28             | 15.93             | 24          | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 14.91                 | 0.28             | 15.19             | 24          | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 13.22                 | 0.14             | 13.36             | 24          | Pass    |
| NVNT      | ac20 | 5300            | Ant1    | 13.56                 | 0.14             | 13.7              | 24          | Pass    |
| NVNT      | ac20 | 5320            | Ant1    | 13.6                  | 0.14             | 13.74             | 24          | Pass    |
| NVNT      | ac40 | 5270            | Ant1    | 14.07                 | 0.28             | 14.35             | 24          | Pass    |
| NVNT      | ac40 | 5310            | Ant1    | 14.65                 | 0.28             | 14.93             | 24          | Pass    |
| NVNT      | ac80 | 5290            | Ant1    | 15.36                 | 0.54             | 15.9              | 24          | Pass    |

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5260            | Ant2    | 16.95                 | 0.19             | 17.14             | 24          | Pass    |
| NVNT      | a    | 5300            | Ant2    | 17.79                 | 0.19             | 17.98             | 24          | Pass    |
| NVNT      | a    | 5320            | Ant2    | 18.01                 | 0.19             | 18.2              | 24          | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 13.85                 | 0.23             | 14.08             | 24          | Pass    |
| NVNT      | n20  | 5300            | Ant2    | 13.98                 | 0.23             | 14.21             | 24          | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 14.65                 | 0.22             | 14.87             | 24          | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 17.3                  | 0.44             | 17.74             | 24          | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 17.83                 | 0.44             | 18.27             | 24          | Pass    |
| NVNT      | ac20 | 5260            | Ant2    | 14.78                 | 0.22             | 15                | 24          | Pass    |
| NVNT      | ac20 | 5300            | Ant2    | 14.65                 | 0.22             | 14.87             | 24          | Pass    |
| NVNT      | ac20 | 5320            | Ant2    | 14.66                 | 0.22             | 14.88             | 24          | Pass    |
| NVNT      | ac40 | 5270            | Ant2    | 16.44                 | 0.43             | 16.87             | 24          | Pass    |
| NVNT      | ac40 | 5310            | Ant2    | 16.9                  | 0.43             | 17.33             | 24          | Pass    |
| NVNT      | ac80 | 5290            | Ant2    | 15.68                 | 0.83             | 16.51             | 24          | Pass    |



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MIMO

| Condition | Mode | Frequency (MHz) | Total Power (dBm) |       |            | Limit (dBm) | Verdict |
|-----------|------|-----------------|-------------------|-------|------------|-------------|---------|
|           |      |                 | Ant1              | Ant2  | Ant1+ Ant2 |             |         |
| NVNT      | n20  | 5260            | 13.1              | 14.08 | 16.63      | 22.96       | Pass    |
| NVNT      | n20  | 5300            | 13.44             | 14.21 | 16.85      | 22.96       | Pass    |
| NVNT      | n20  | 5320            | 13.77             | 14.87 | 17.37      | 22.96       | Pass    |
| NVNT      | n40  | 5270            | 15.93             | 17.74 | 19.94      | 22.96       | Pass    |
| NVNT      | n40  | 5310            | 15.19             | 18.27 | 20.01      | 22.96       | Pass    |
| NVNT      | ac20 | 5260            | 13.36             | 15    | 17.27      | 22.96       | Pass    |
| NVNT      | ac20 | 5300            | 13.7              | 14.87 | 17.33      | 22.96       | Pass    |
| NVNT      | ac20 | 5320            | 13.74             | 14.88 | 17.36      | 22.96       | Pass    |
| NVNT      | ac40 | 5270            | 14.35             | 16.87 | 18.80      | 22.96       | Pass    |
| NVNT      | ac40 | 5310            | 14.93             | 17.33 | 19.30      | 22.96       | Pass    |
| NVNT      | ac80 | 5290            | 15.9              | 16.51 | 19.23      | 22.96       | Pass    |



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### E.3 Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/MHz) | Duty Factor (dB) | Total PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------|-------------------------|------------------|---------------------|-----------------|---------|
| NVNT      | a    | 5260            | Ant1    | 8.48                    | 0.13             | 8.61                | 11              | Pass    |
| NVNT      | a    | 5300            | Ant1    | 7.99                    | 0.13             | 8.12                | 11              | Pass    |
| NVNT      | a    | 5320            | Ant1    | 8.23                    | 0.13             | 8.36                | 11              | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 2.5                     | 0.14             | 2.64                | 11              | Pass    |
| NVNT      | n20  | 5300            | Ant1    | 2.59                    | 0.14             | 2.73                | 11              | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 2.8                     | 0.14             | 2.94                | 11              | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 2.9                     | 0.28             | 3.18                | 11              | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 2.29                    | 0.28             | 2.57                | 11              | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 2.51                    | 0.14             | 2.65                | 11              | Pass    |
| NVNT      | ac20 | 5300            | Ant1    | 2.81                    | 0.14             | 2.95                | 11              | Pass    |
| NVNT      | ac20 | 5320            | Ant1    | 2.75                    | 0.14             | 2.89                | 11              | Pass    |
| NVNT      | ac40 | 5270            | Ant1    | 1.5                     | 0.28             | 1.78                | 11              | Pass    |
| NVNT      | ac40 | 5310            | Ant1    | 1.69                    | 0.28             | 1.97                | 11              | Pass    |
| NVNT      | ac80 | 5290            | Ant1    | -0.86                   | 0.54             | -0.32               | 11              | Pass    |

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/MHz) | Duty Factor (dB) | Total PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------|-------------------------|------------------|---------------------|-----------------|---------|
| NVNT      | a    | 5260            | Ant2    | 6.59                    | 0.19             | 6.78                | 11              | Pass    |
| NVNT      | a    | 5300            | Ant2    | 7.26                    | 0.19             | 7.45                | 11              | Pass    |
| NVNT      | a    | 5320            | Ant2    | 7.39                    | 0.19             | 7.58                | 11              | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 3.44                    | 0.23             | 3.67                | 11              | Pass    |
| NVNT      | n20  | 5300            | Ant2    | 3.08                    | 0.23             | 3.31                | 11              | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 3.88                    | 0.22             | 4.1                 | 11              | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 3.77                    | 0.44             | 4.21                | 11              | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 4.21                    | 0.44             | 4.65                | 11              | Pass    |
| NVNT      | ac20 | 5260            | Ant2    | 3.9                     | 0.22             | 4.12                | 11              | Pass    |
| NVNT      | ac20 | 5300            | Ant2    | 3.75                    | 0.22             | 3.97                | 11              | Pass    |
| NVNT      | ac20 | 5320            | Ant2    | 3.92                    | 0.22             | 4.14                | 11              | Pass    |
| NVNT      | ac40 | 5270            | Ant2    | 2.93                    | 0.43             | 3.36                | 11              | Pass    |
| NVNT      | ac40 | 5310            | Ant2    | 3.32                    | 0.43             | 3.75                | 11              | Pass    |
| NVNT      | ac80 | 5290            | Ant2    | -1.26                   | 0.83             | -0.43               | 11              | Pass    |



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MIMO

| Condition | Mode | Frequency (MHz) | Total PSD (dBm/MHz) |       |           | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------------------|-------|-----------|-----------------|---------|
|           |      |                 | Ant1                | Ant2  | Ant1+Ant2 |                 |         |
| NVNT      | n20  | 5260            | 2.64                | 3.67  | 6.20      | 9.96            | Pass    |
| NVNT      | n20  | 5300            | 2.73                | 3.31  | 6.04      | 9.96            | Pass    |
| NVNT      | n20  | 5320            | 2.94                | 4.1   | 6.57      | 9.96            | Pass    |
| NVNT      | n40  | 5270            | 3.18                | 4.21  | 6.74      | 9.96            | Pass    |
| NVNT      | n40  | 5310            | 2.57                | 4.65  | 6.74      | 9.96            | Pass    |
| NVNT      | ac20 | 5260            | 2.65                | 4.12  | 6.46      | 9.96            | Pass    |
| NVNT      | ac20 | 5300            | 2.95                | 3.97  | 6.50      | 9.96            | Pass    |
| NVNT      | ac20 | 5320            | 2.89                | 4.14  | 6.57      | 9.96            | Pass    |
| NVNT      | ac40 | 5270            | 1.78                | 3.36  | 5.65      | 9.96            | Pass    |
| NVNT      | ac40 | 5310            | 1.97                | 3.75  | 5.96      | 9.96            | Pass    |
| NVNT      | ac80 | 5290            | -0.32               | -0.43 | 2.64      | 9.96            | Pass    |



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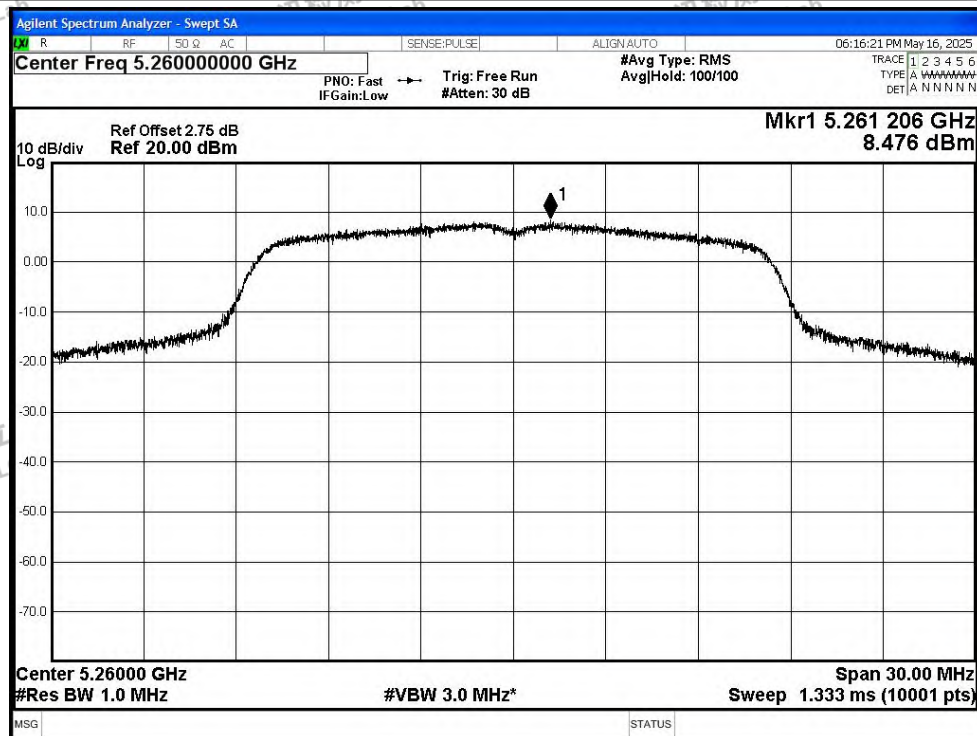
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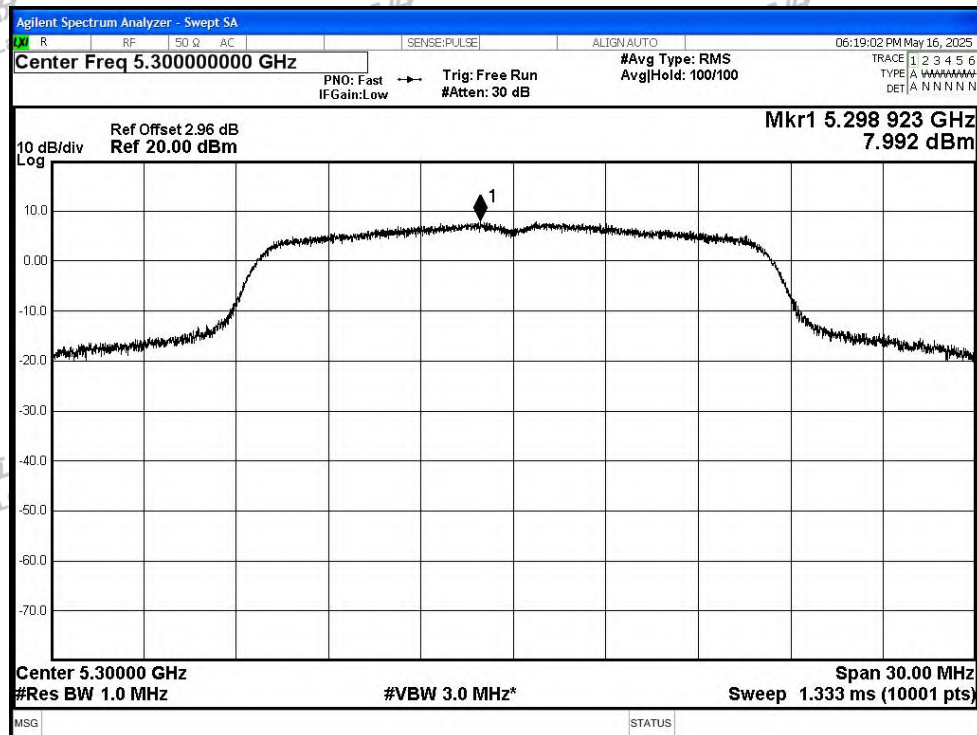


## Test Graphs

PSD NVNT a 5260MHz Ant1



PSD NVNT a 5300MHz Ant1



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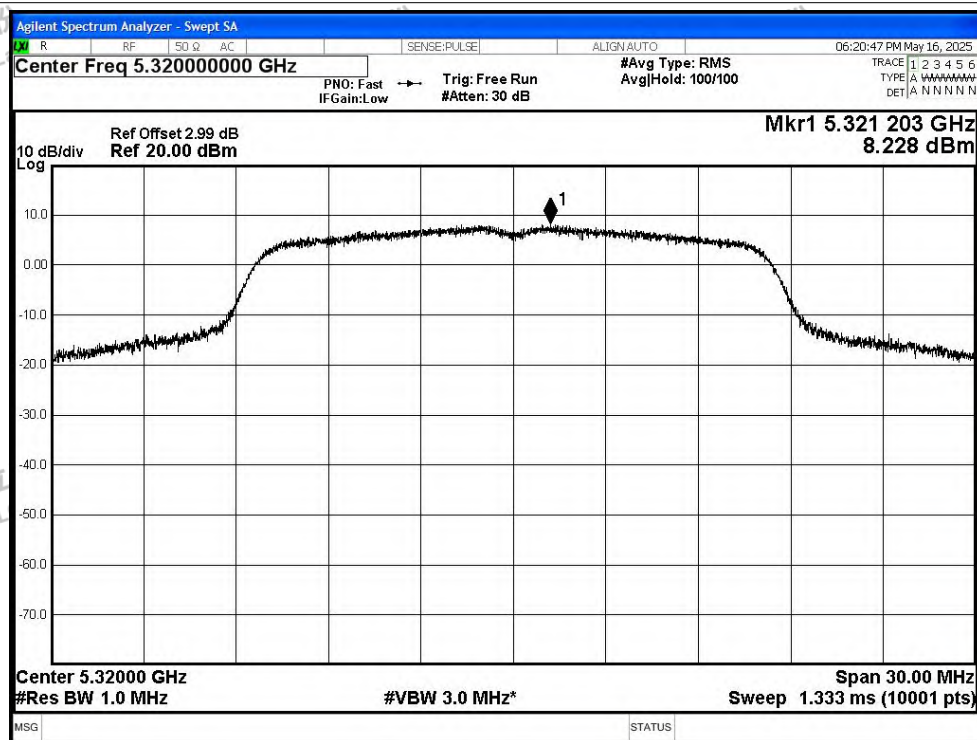
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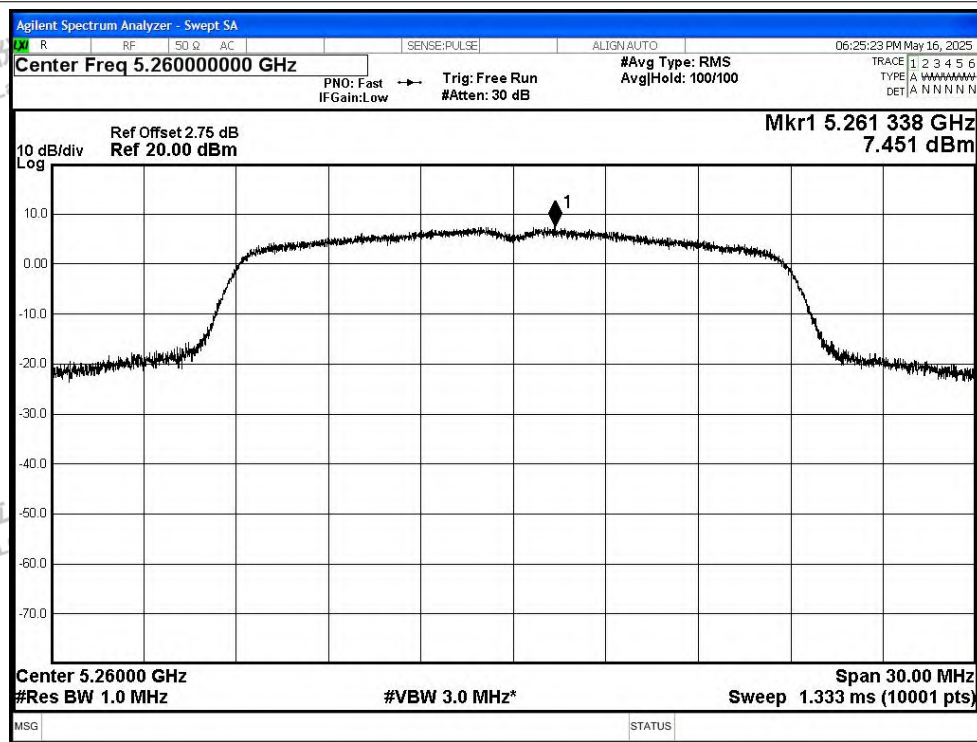
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## PSD NVNT a 5320MHz Ant1



## PSD NVNT n20 5260MHz Ant1



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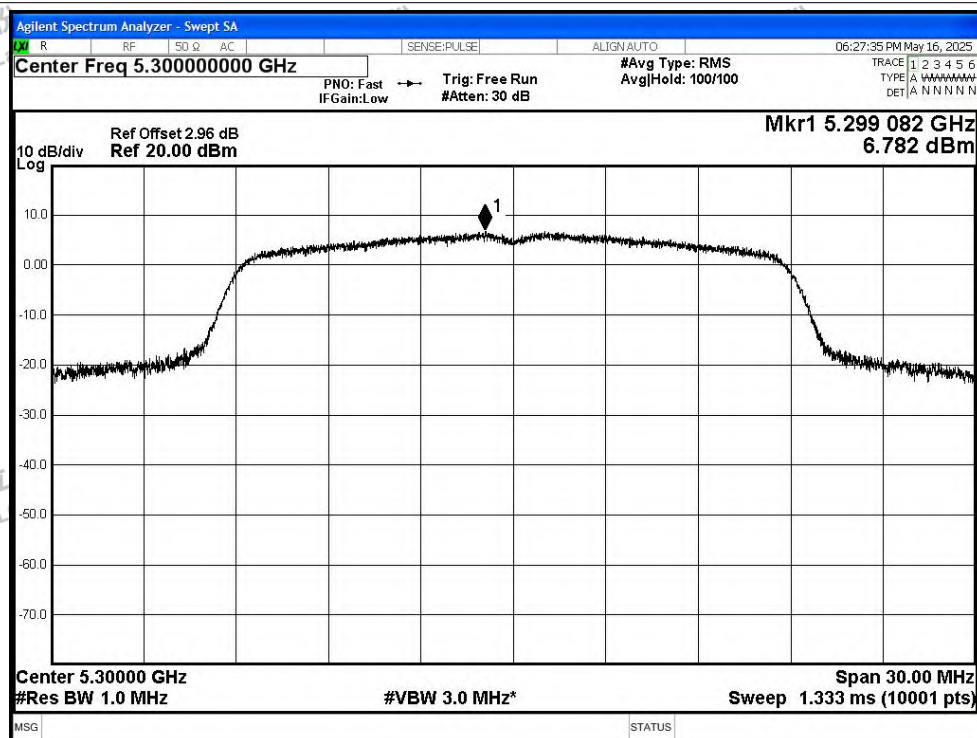
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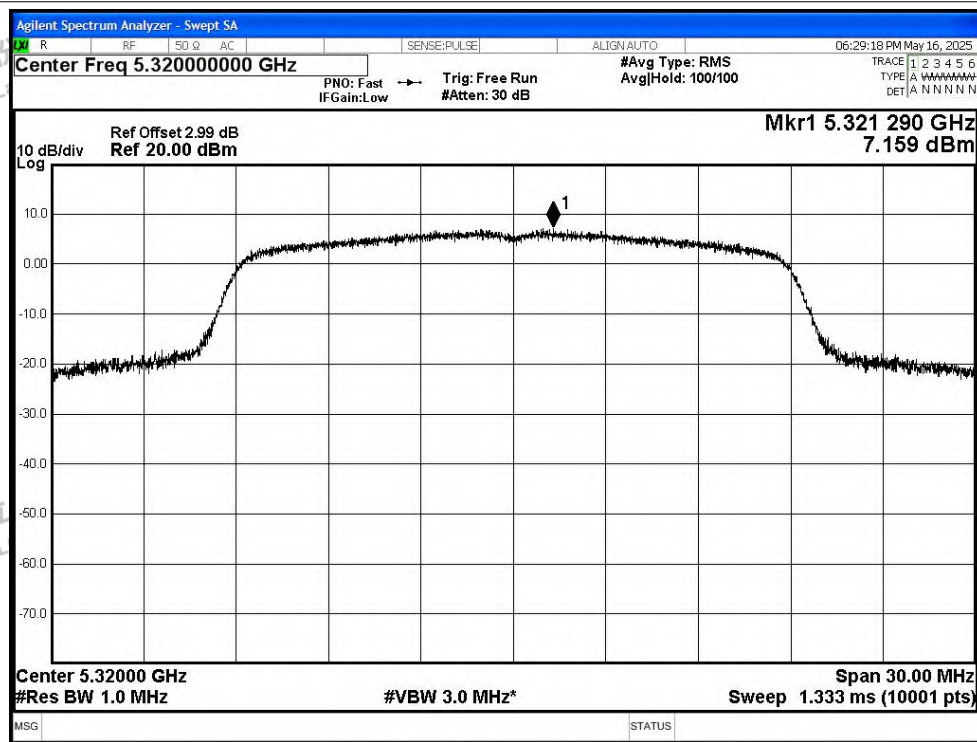
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## PSD NVNT n20 5300MHz Ant1



## PSD NVNT n20 5320MHz Ant1



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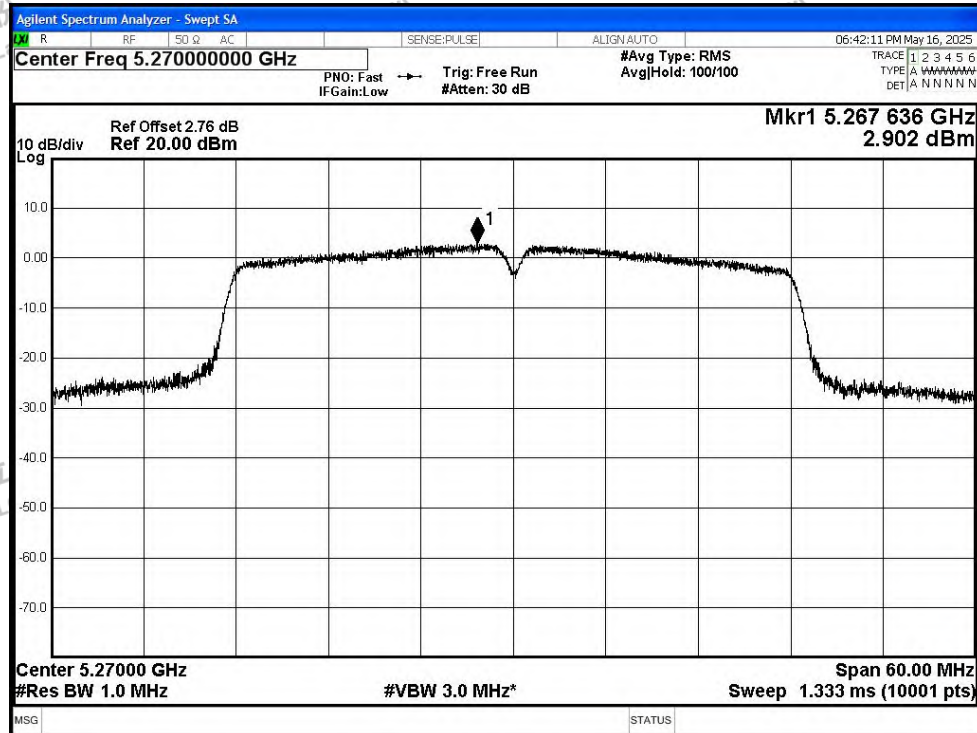
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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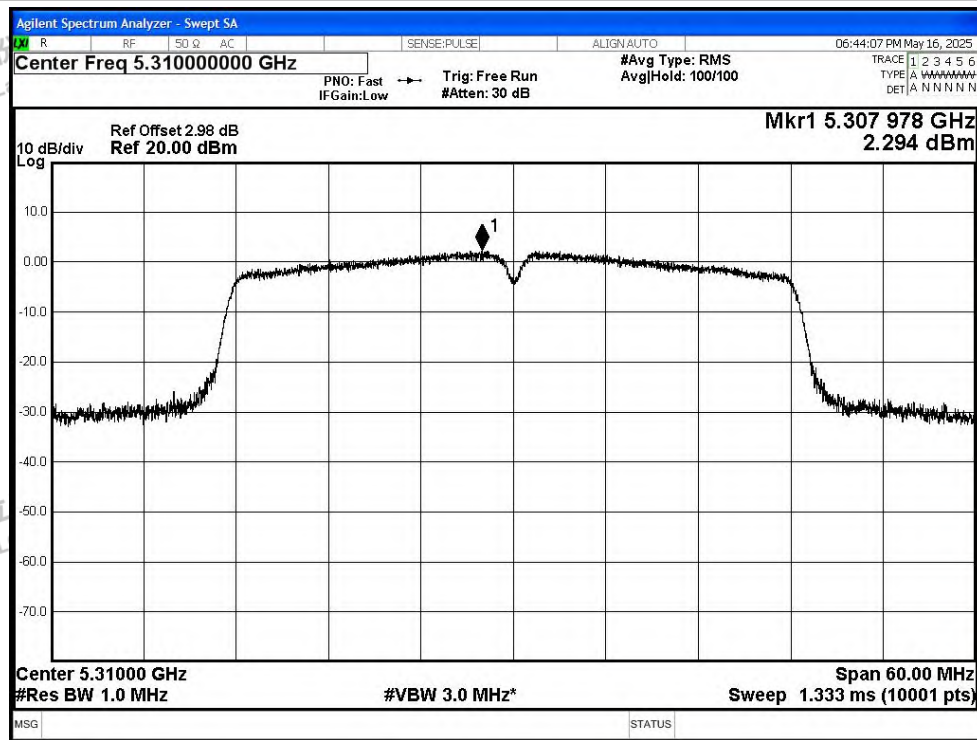




## PSD NVNT n40 5270MHz Ant1



## PSD NVNT n40 5310MHz Ant1



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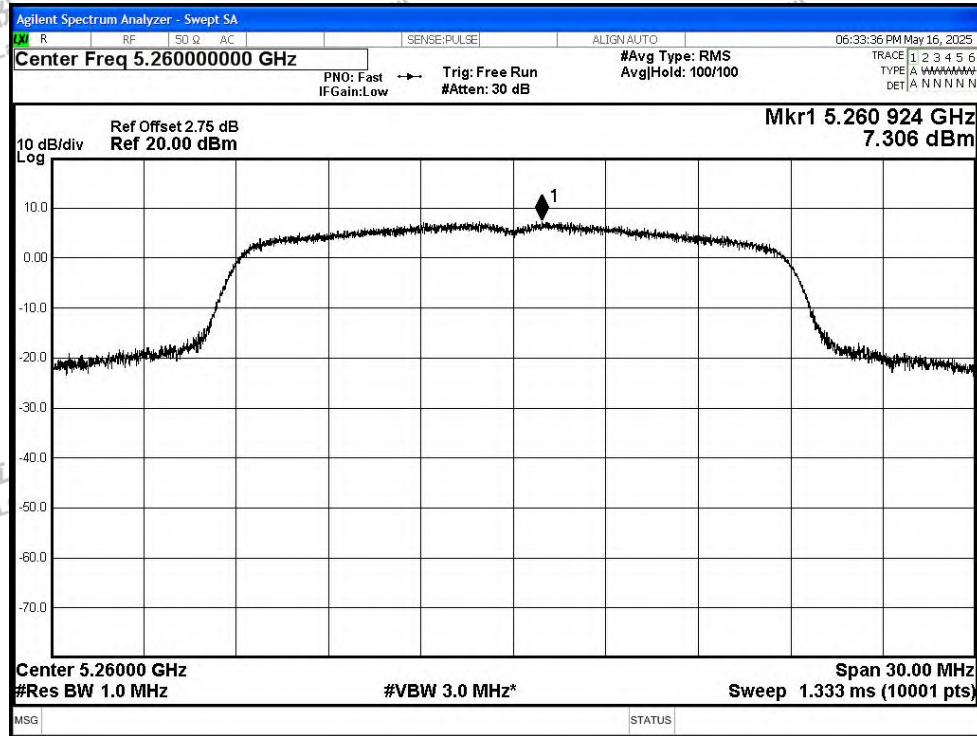
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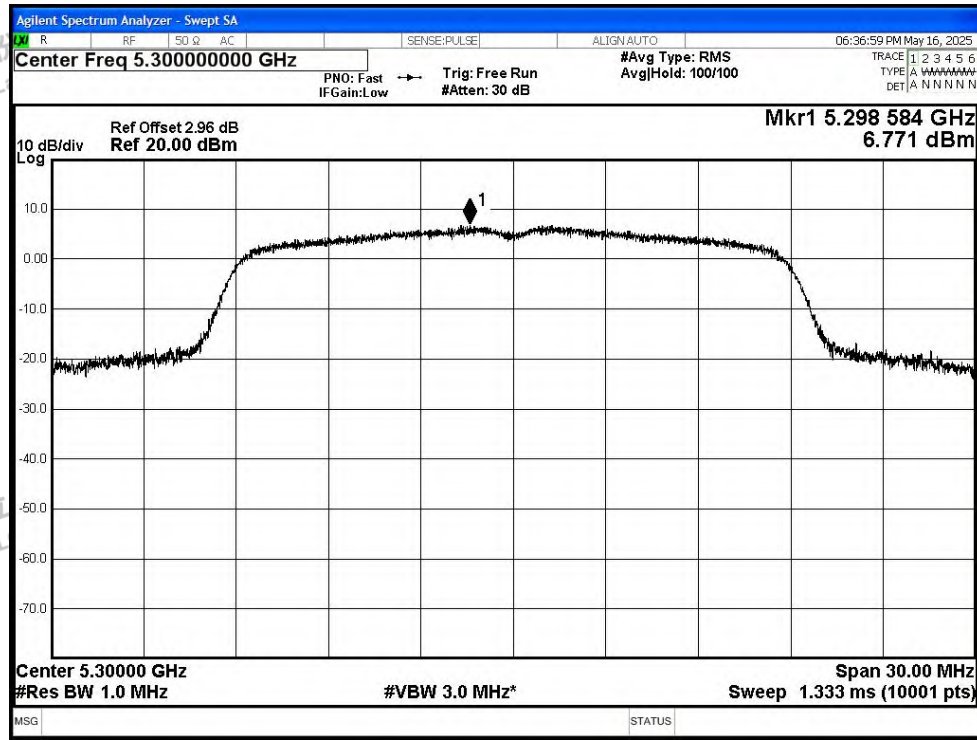




## PSD NVNT ac20 5260MHz Ant1



## PSD NVNT ac20 5300MHz Ant1



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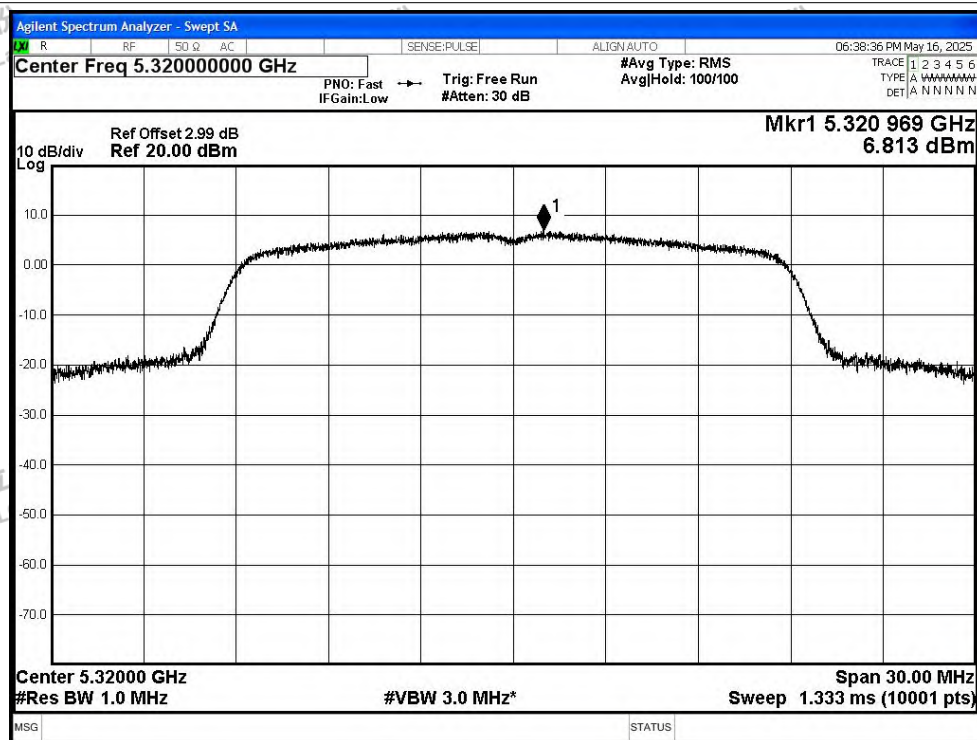
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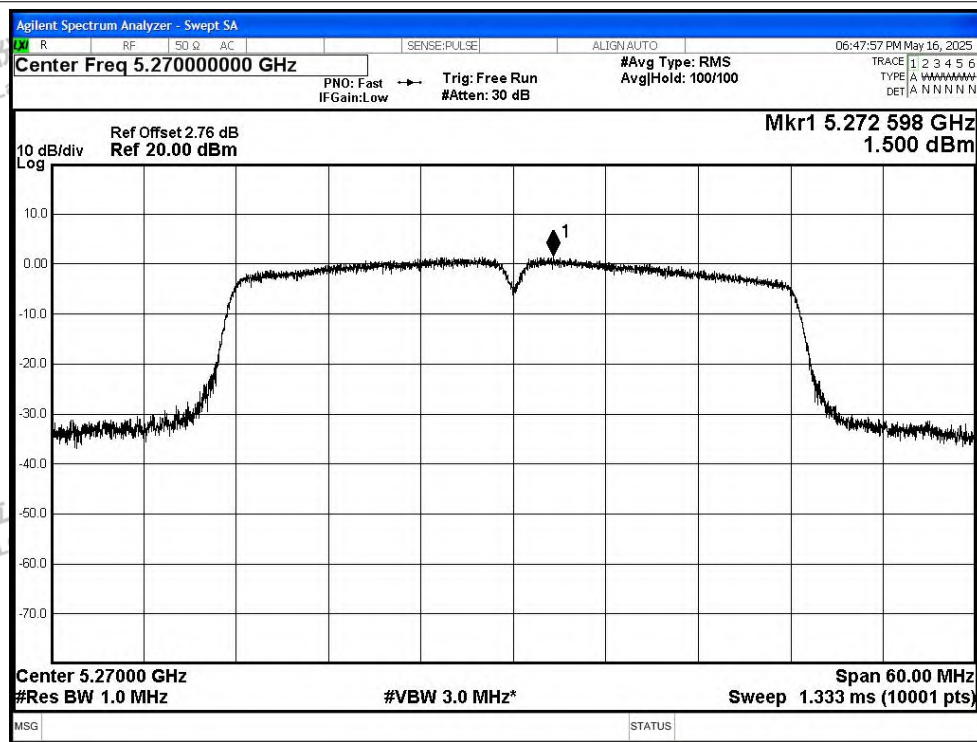
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## PSD NVNT ac20 5320MHz Ant1



## PSD NVNT ac40 5270MHz Ant1



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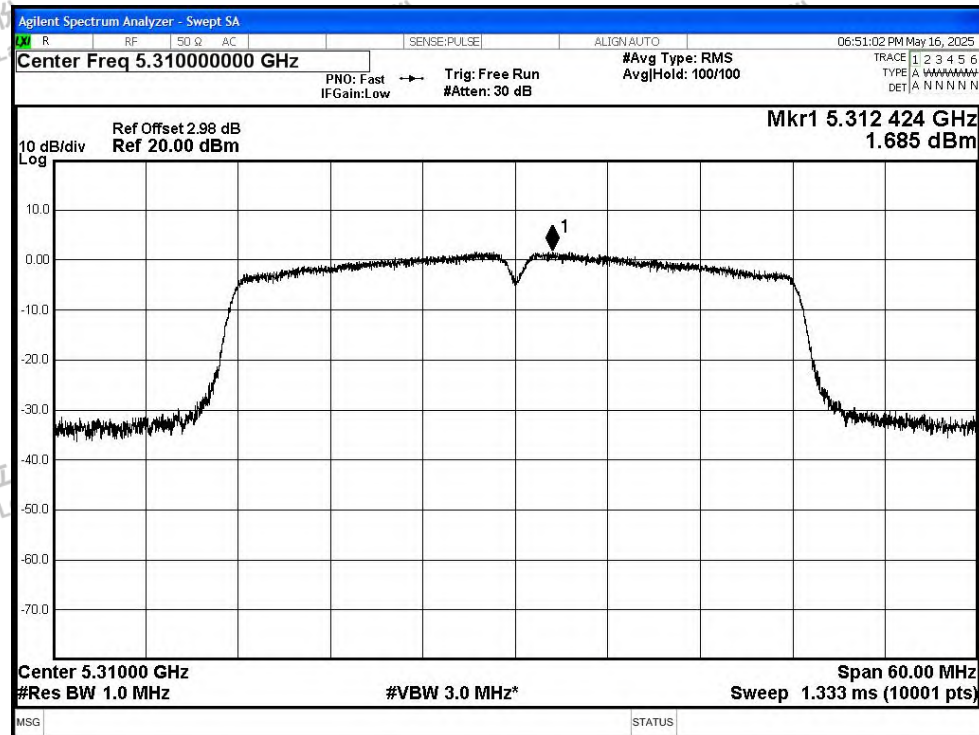
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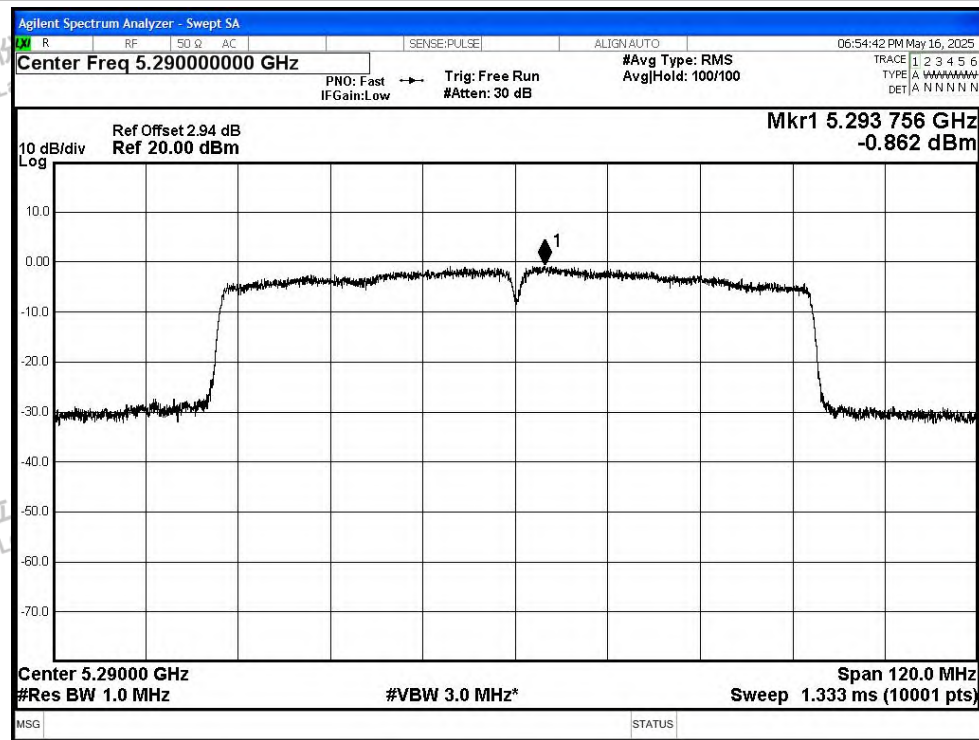
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## PSD NVNT ac40 5310MHz Ant1



## PSD NVNT ac80 5290MHz Ant1



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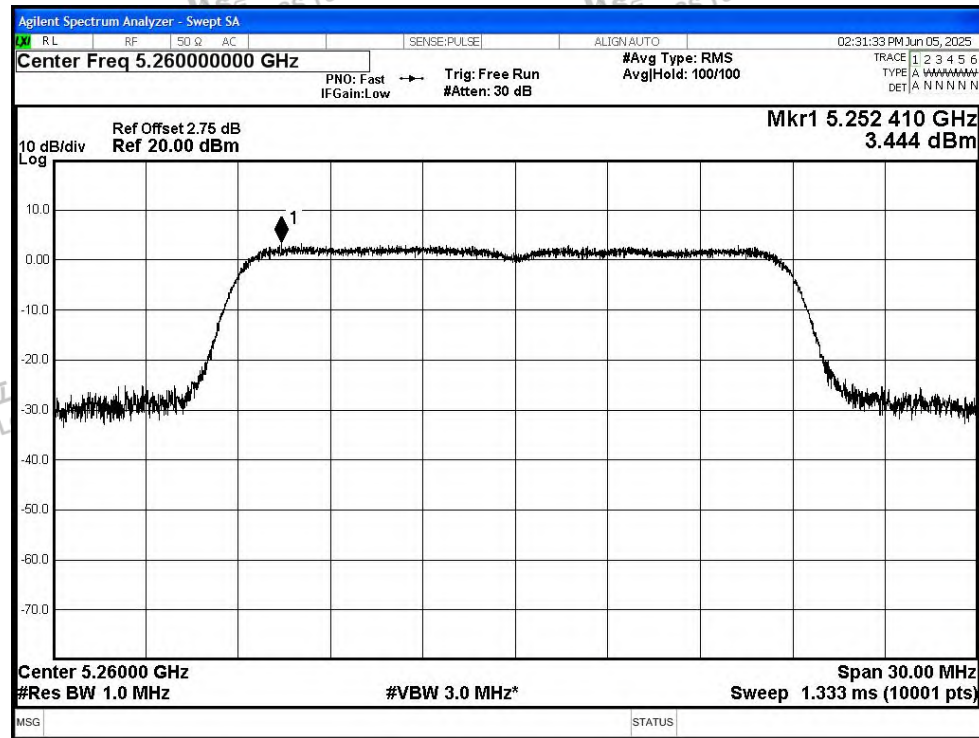
Scan code to check authenticity



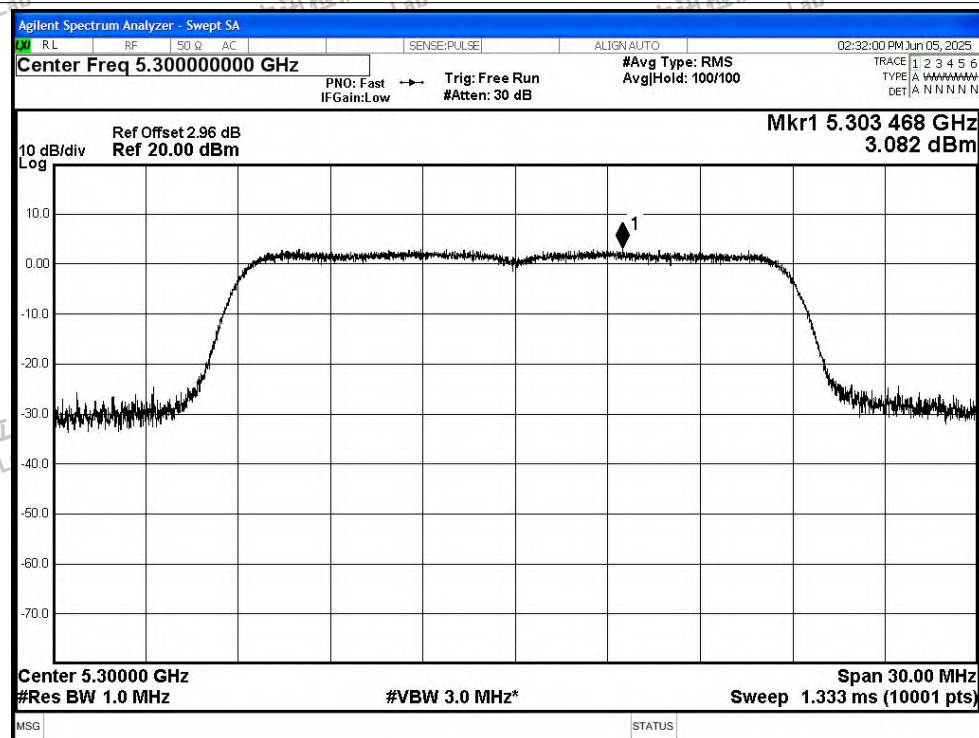


## Test Graphs

PSD NVNT n20 5260MHz Ant1



PSD NVNT n20 5300MHz Ant1



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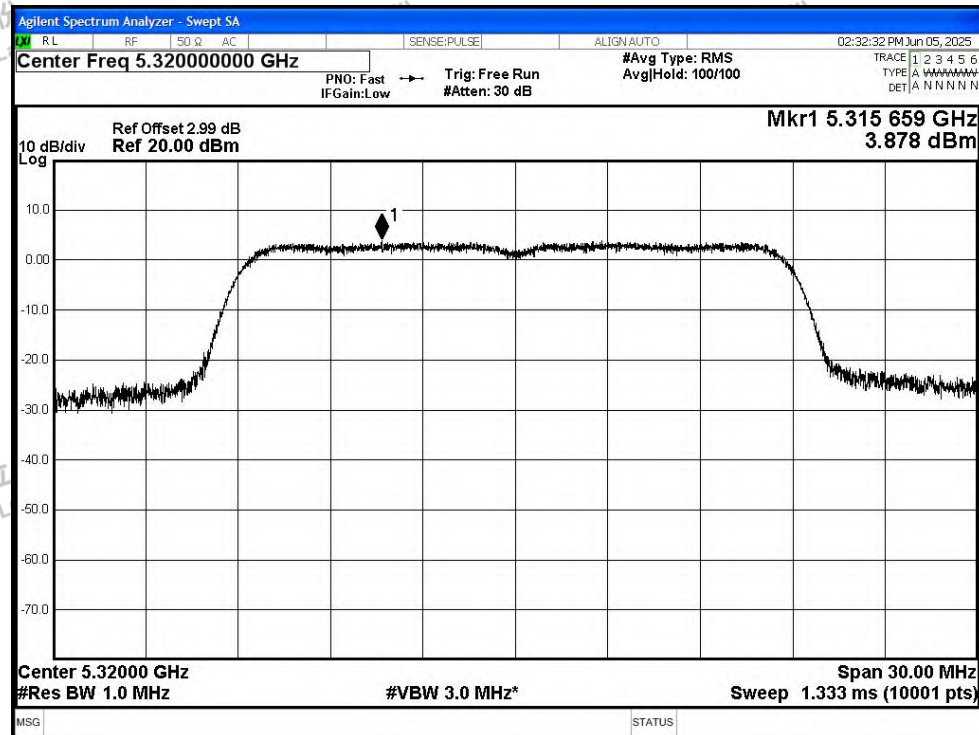
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

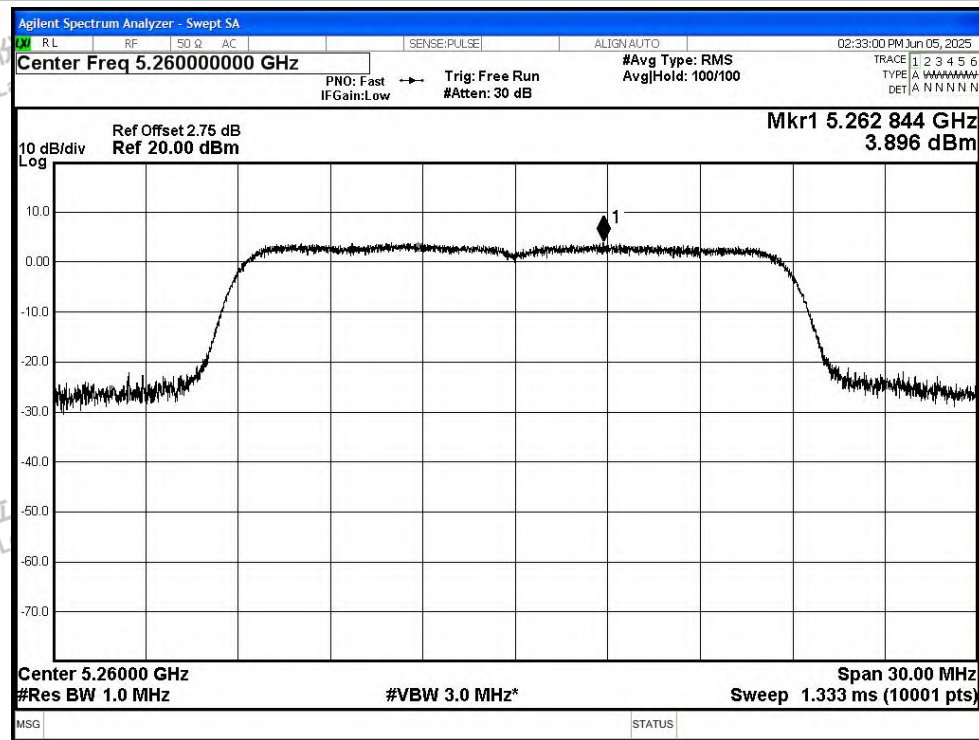




PSD NVNT n20 5320MHz Ant1



PSD NVNT ac20 5260MHz Ant1



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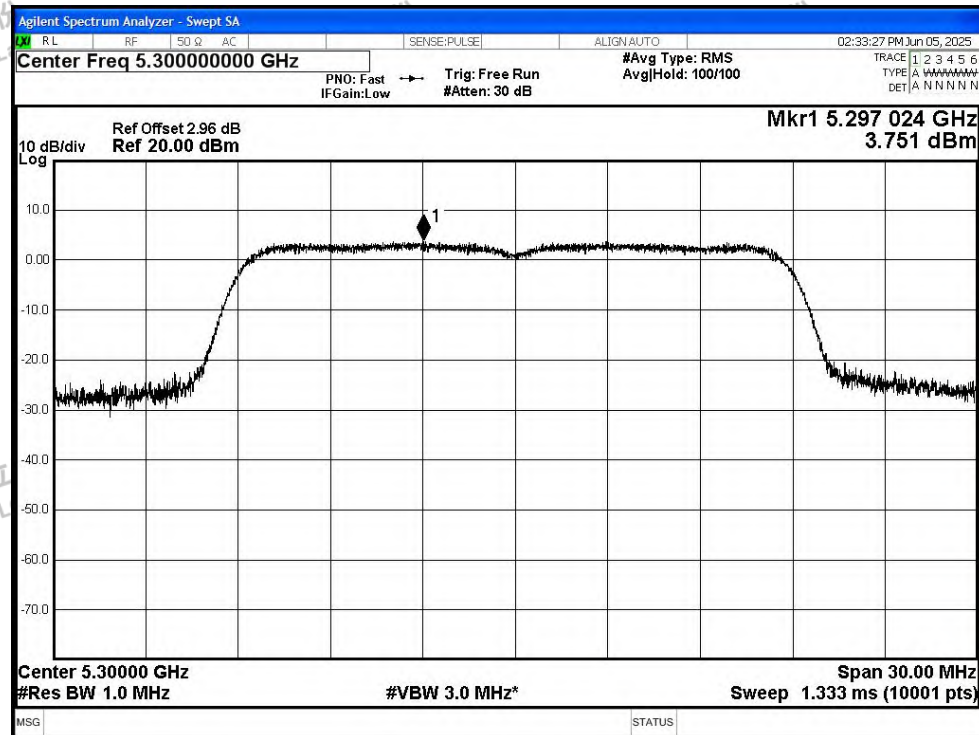
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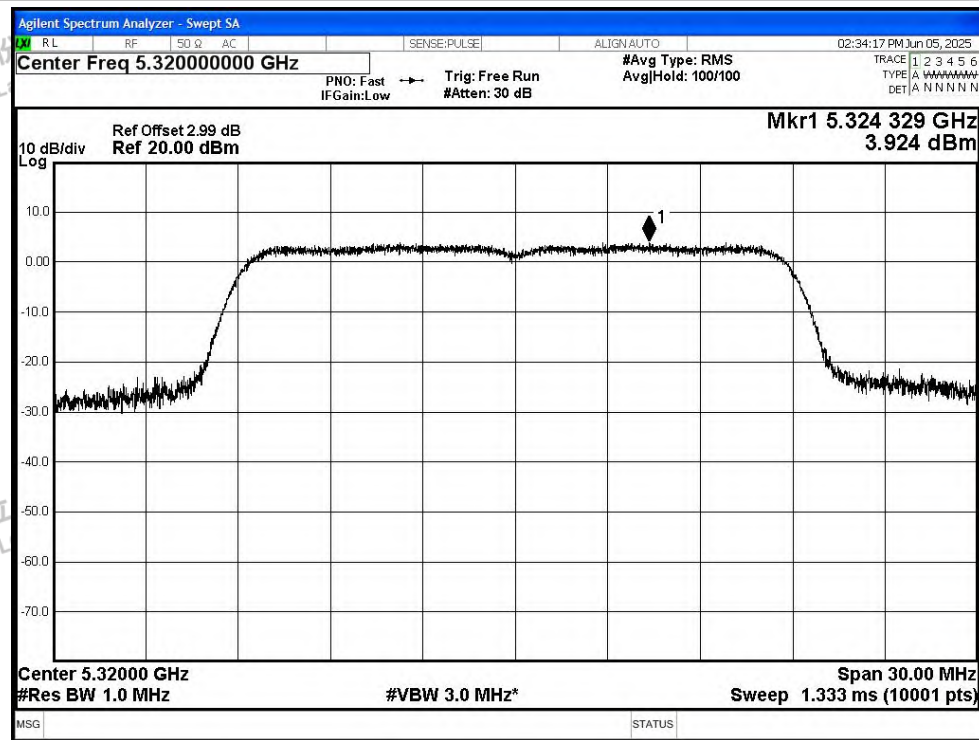
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## PSD NVNT ac20 5300MHz Ant1



## PSD NVNT ac20 5320MHz Ant1



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## E.4 Restrict Band

| Condition | Mode | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|------------|------------------|------------|----------|----------------|---------|
| NVNT      | a    | 5260            | Ant1    | 4500            | -50.61      | 5.68       | -                | 50.3       | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5260            | Ant1    | 4500            | -58.7       | 5.68       | 0.13             | 42.34      | Average  | 54             | Pass    |
| NVNT      | a    | 5260            | Ant1    | 5087.34         | -46.12      | 5.68       | -                | 54.79      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5260            | Ant1    | 5052.24         | -56.99      | 5.68       | 0.13             | 44.05      | Average  | 54             | Pass    |
| NVNT      | a    | 5260            | Ant1    | 5150            | -47.8       | 5.68       | -                | 53.11      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5260            | Ant1    | 5150            | -57.22      | 5.68       | 0.13             | 43.82      | Average  | 54             | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5350            | -45.16      | 5.68       | -                | 55.75      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5350            | -55.94      | 5.68       | 0.13             | 45.1       | Average  | 54             | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5352.2          | -42.02      | 5.68       | -                | 58.89      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5350.6          | -55.83      | 5.68       | 0.13             | 45.21      | Average  | 54             | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5460            | -49.9       | 5.68       | -                | 51.01      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5460            | -57.66      | 5.68       | 0.13             | 43.38      | Average  | 54             | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 4500            | -51.13      | 5.68       | -                | 49.78      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 4500            | -59.28      | 5.68       | 0.14             | 41.77      | Average  | 54             | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 5046            | -46.75      | 5.68       | -                | 54.16      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 5149.74         | -56.96      | 5.68       | 0.14             | 44.09      | Average  | 54             | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 5150            | -47.8       | 5.68       | -                | 53.11      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 5150            | -56.96      | 5.68       | 0.14             | 44.09      | Average  | 54             | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5350            | -44.82      | 5.68       | -                | 56.09      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5350            | -54.99      | 5.68       | 0.14             | 46.06      | Average  | 54             | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5350.8          | -40.01      | 5.68       | -                | 60.9       | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5350.8          | -54.7       | 5.68       | 0.14             | 46.35      | Average  | 54             | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5460            | -49.53      | 5.68       | -                | 51.38      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5460            | -57.95      | 5.68       | 0.14             | 43.1       | Average  | 54             | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 4500            | -50.86      | 5.68       | -                | 50.05      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 4500            | -59.57      | 5.68       | 0.28             | 41.62      | Average  | 54             | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 5033.79         | -46.93      | 5.68       | -                | 53.98      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 4772.97         | -56.89      | 5.68       | 0.28             | 44.3       | Average  | 54             | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 5150            | -48.63      | 5.68       | -                | 52.28      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 5150            | -57.27      | 5.68       | 0.28             | 43.92      | Average  | 54             | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5350            | -42.83      | 5.68       | -                | 58.08      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5350            | -53.95      | 5.68       | 0.28             | 47.24      | Average  | 54             | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5351            | -41.76      | 5.68       | -                | 59.15      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5350            | -53.95      | 5.68       | 0.28             | 47.24      | Average  | 54             | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5460            | -49.61      | 5.68       | -                | 51.3       | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5460            | -58.27      | 5.68       | 0.28             | 42.92      | Average  | 54             | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 4500            | -49.61      | 5.68       | -                | 51.3       | Peak     | 68.2           | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 4500            | -59.43      | 5.68       | 0.14             | 41.62      | Average  | 54             | Pass    |



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|      |      |      |      |         |        |      |      |       |         |      |      |
|------|------|------|------|---------|--------|------|------|-------|---------|------|------|
| NVNT | ac20 | 5260 | Ant1 | 4679.4  | -47.47 | 5.68 | -    | 53.44 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5260 | Ant1 | 5066.28 | -56.96 | 5.68 | 0.14 | 44.09 | Average | 54   | Pass |
| NVNT | ac20 | 5260 | Ant1 | 5150    | -49.38 | 5.68 | -    | 51.53 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5260 | Ant1 | 5150    | -57.28 | 5.68 | 0.14 | 43.77 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5350    | -41.93 | 5.68 | -    | 58.98 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5350    | -55.77 | 5.68 | 0.14 | 45.28 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5352.2  | -41.09 | 5.68 | -    | 59.82 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5350.2  | -54.89 | 5.68 | 0.14 | 46.16 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5460    | -49.41 | 5.68 | -    | 51.5  | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5460    | -57.95 | 5.68 | 0.14 | 43.1  | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant1 | 4500    | -50.29 | 5.68 | -    | 50.62 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant1 | 4500    | -59.04 | 5.68 | 0.28 | 42.15 | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant1 | 5009.49 | -47.07 | 5.68 | -    | 53.84 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant1 | 4806.18 | -56.85 | 5.68 | 0.28 | 44.34 | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant1 | 5150    | -48.87 | 5.68 | -    | 52.04 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant1 | 5150    | -57.96 | 5.68 | 0.28 | 43.23 | Average | 54   | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5350    | -40.44 | 5.68 | -    | 60.47 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5350    | -55.03 | 5.68 | 0.28 | 46.16 | Average | 54   | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5350.6  | -38.85 | 5.68 | -    | 62.06 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5351    | -54.31 | 5.68 | 0.28 | 46.88 | Average | 54   | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5460    | -50.25 | 5.68 | -    | 50.66 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5460    | -58.58 | 5.68 | 0.28 | 42.61 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 4500    | -50.02 | 5.68 | -    | 50.89 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 4500    | -59.08 | 5.68 | 0.54 | 42.37 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5048.97 | -46.69 | 5.68 | -    | 54.22 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5089.86 | -56.81 | 5.68 | 0.54 | 44.64 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5150    | -47.37 | 5.68 | -    | 53.54 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5150    | -57.34 | 5.68 | 0.54 | 44.11 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5350    | -44.02 | 5.68 | -    | 56.89 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5350    | -56.19 | 5.68 | 0.54 | 45.26 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5350.25 | -40.98 | 5.68 | -    | 59.93 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5351.5  | -55.37 | 5.68 | 0.54 | 46.08 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5460    | -48.32 | 5.68 | -    | 52.59 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5460    | -58    | 5.68 | 0.54 | 43.45 | Average | 54   | Pass |



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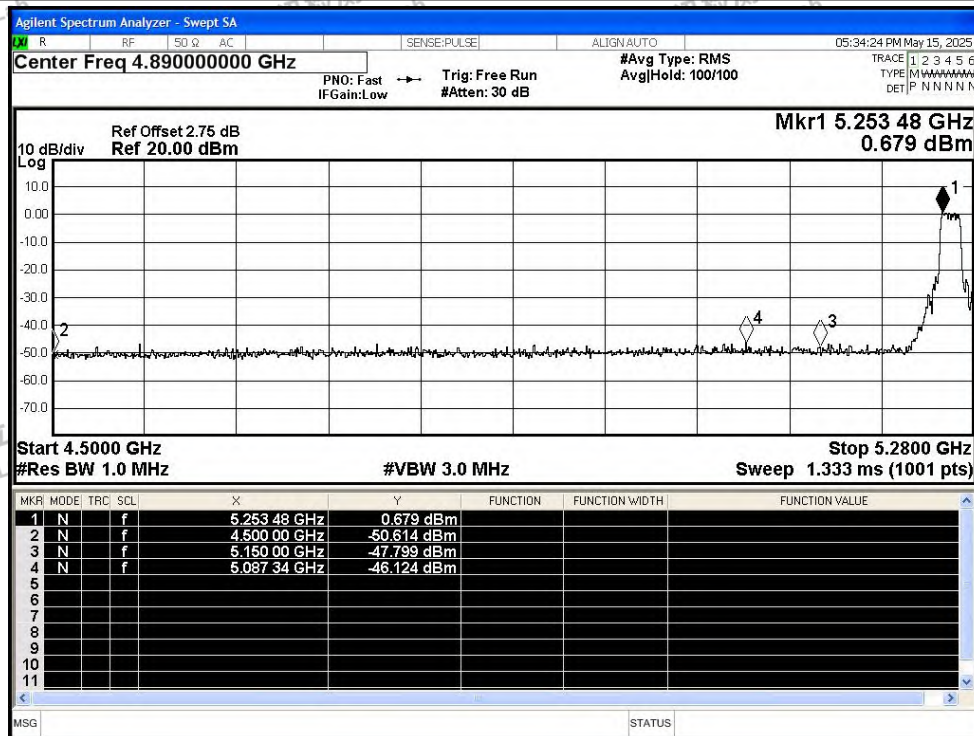
Scan code to check authenticity



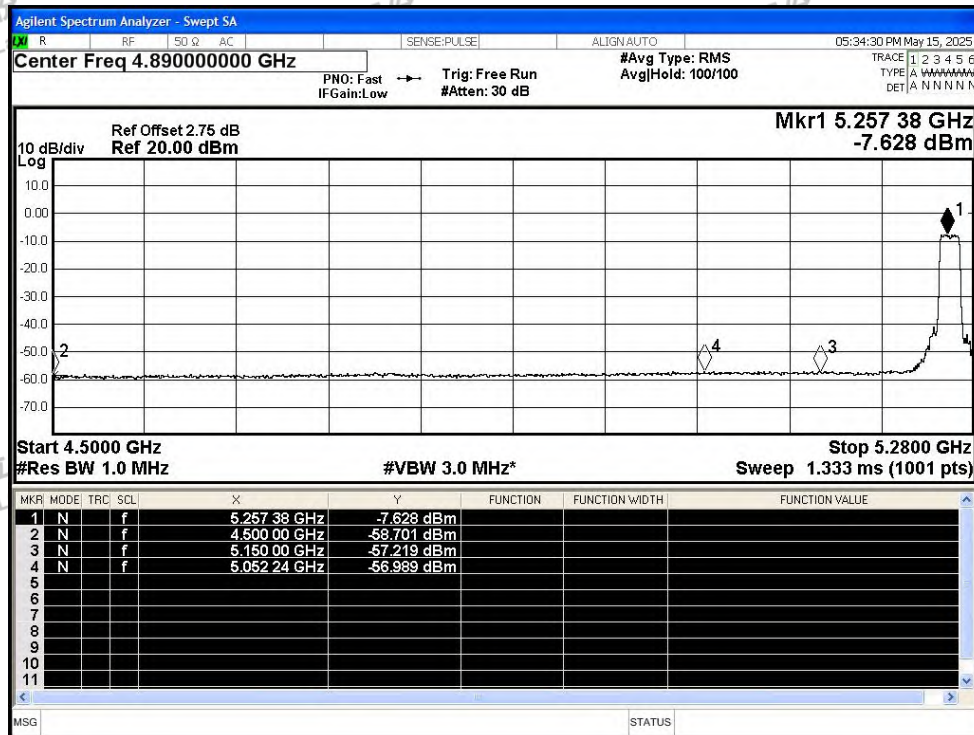


## Test Graphs

## Restrict Band NVNT a 5260MHz Ant1 Peak



## Restrict Band NVNT a 5260MHz Ant1 Average



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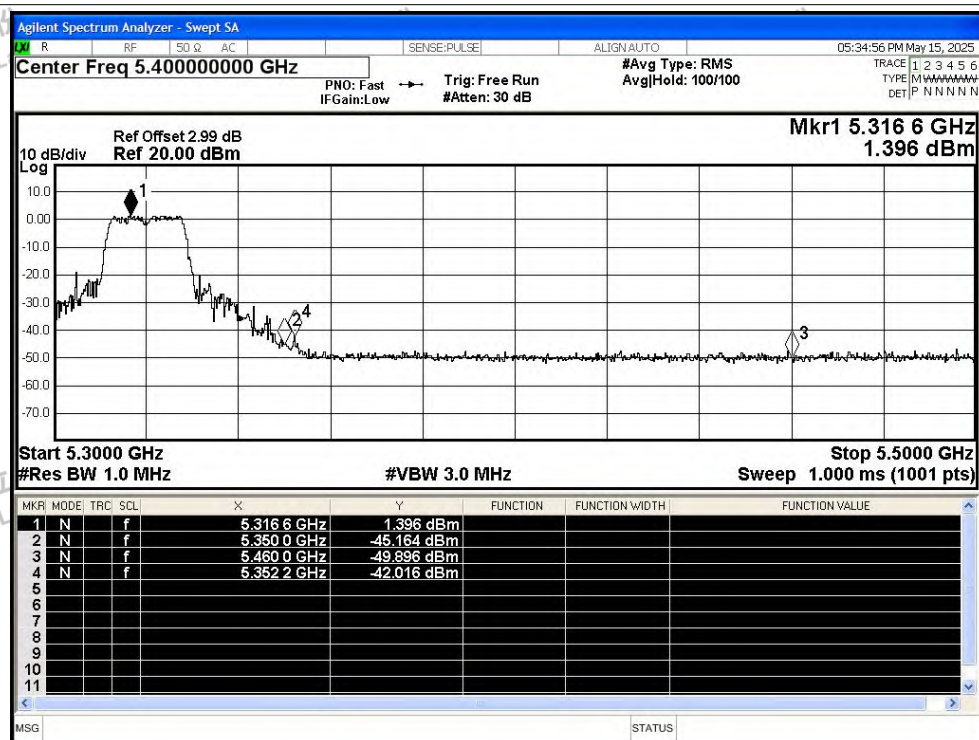
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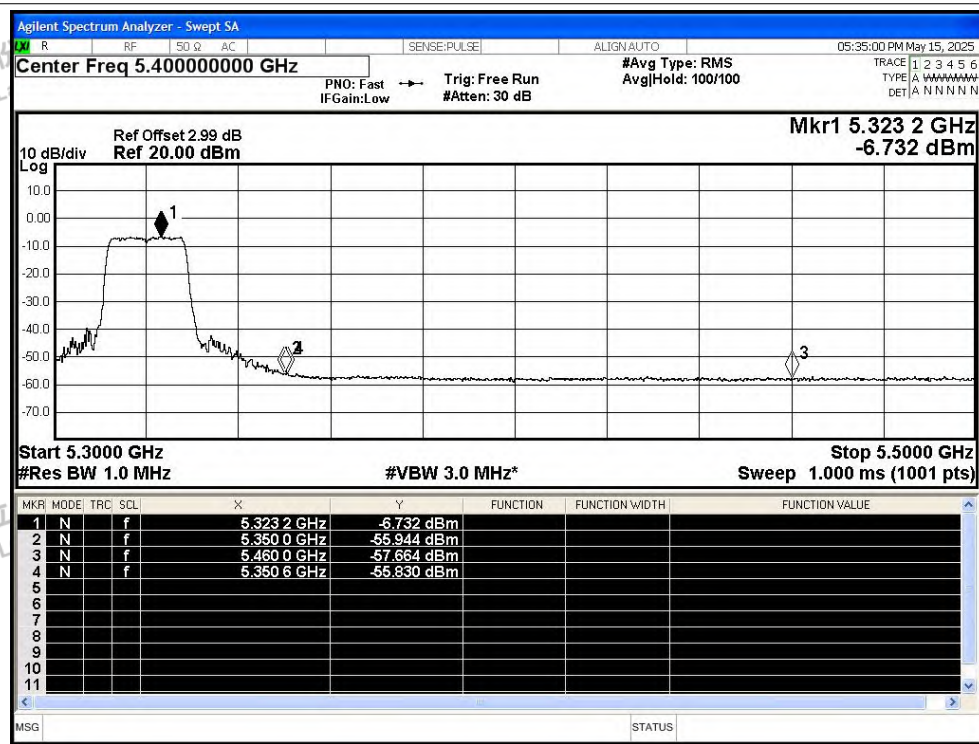
Scan code to check authenticity



## Restrict Band NVNT a 5320MHz Ant1 Peak



## Restrict Band NVNT a 5320MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

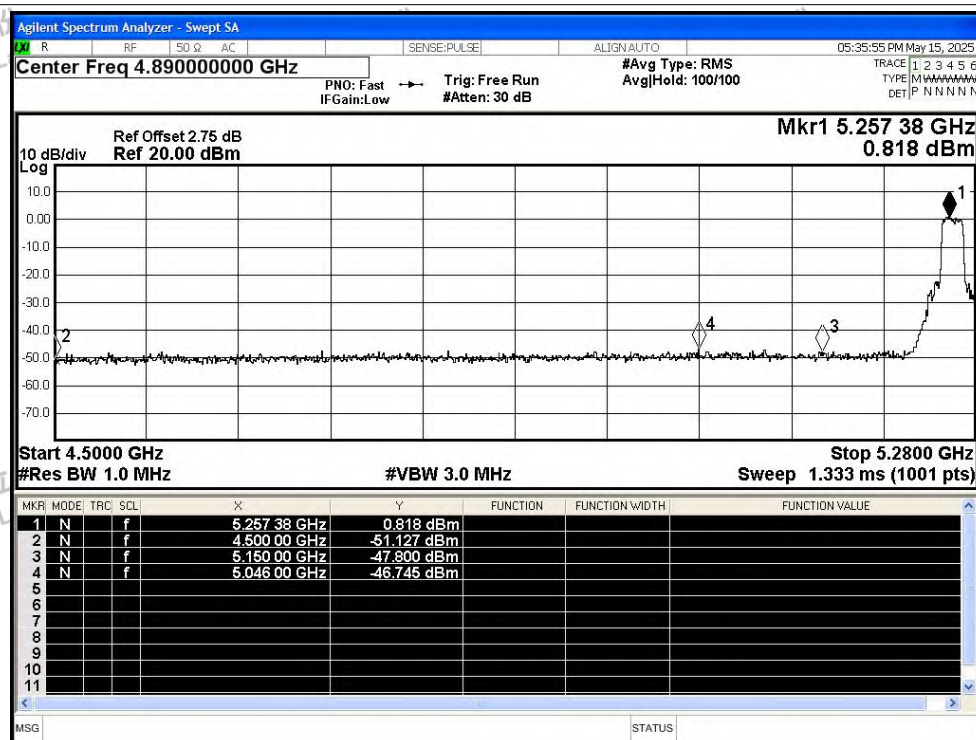
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

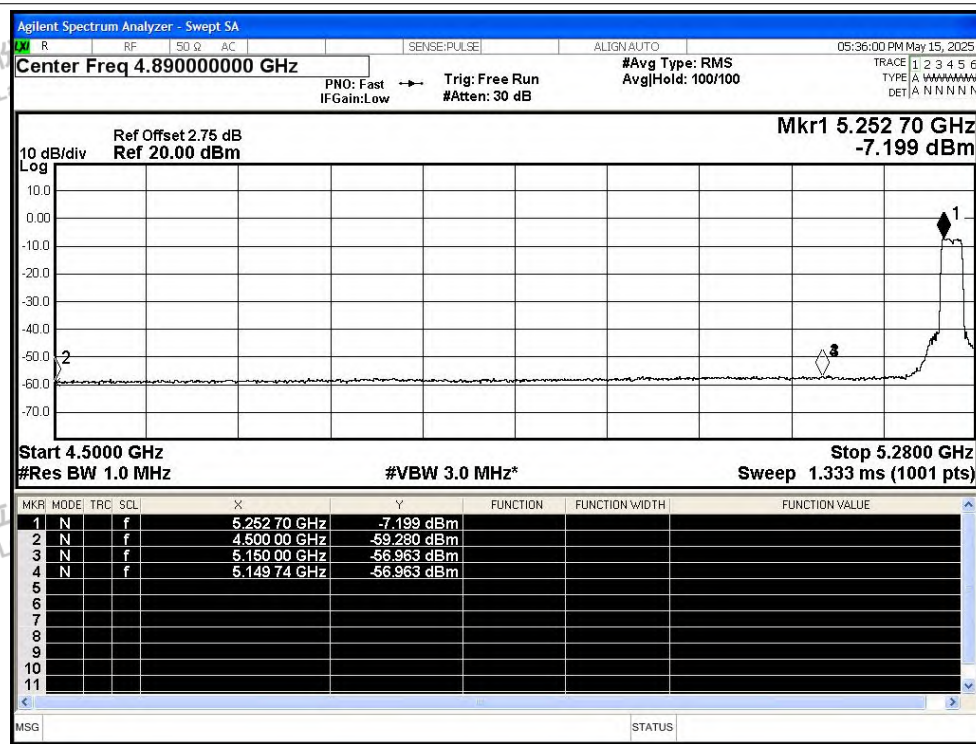
Scan code to check authenticity



## Restrict Band NVNT n20 5260MHz Ant1 Peak



## Restrict Band NVNT n20 5260MHz Ant1 Average



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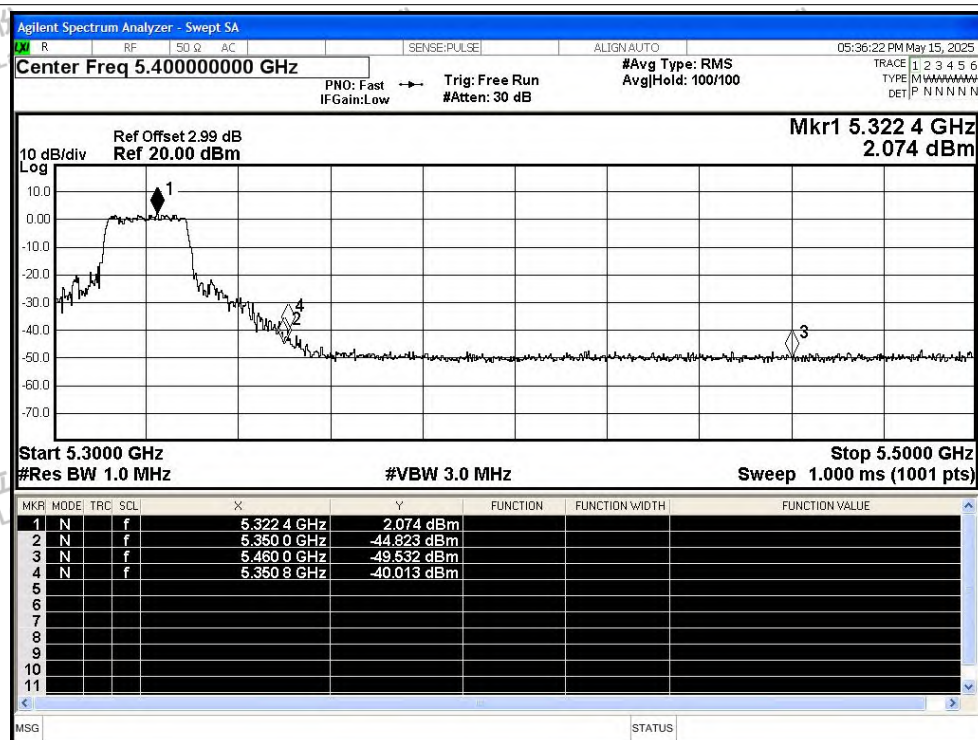
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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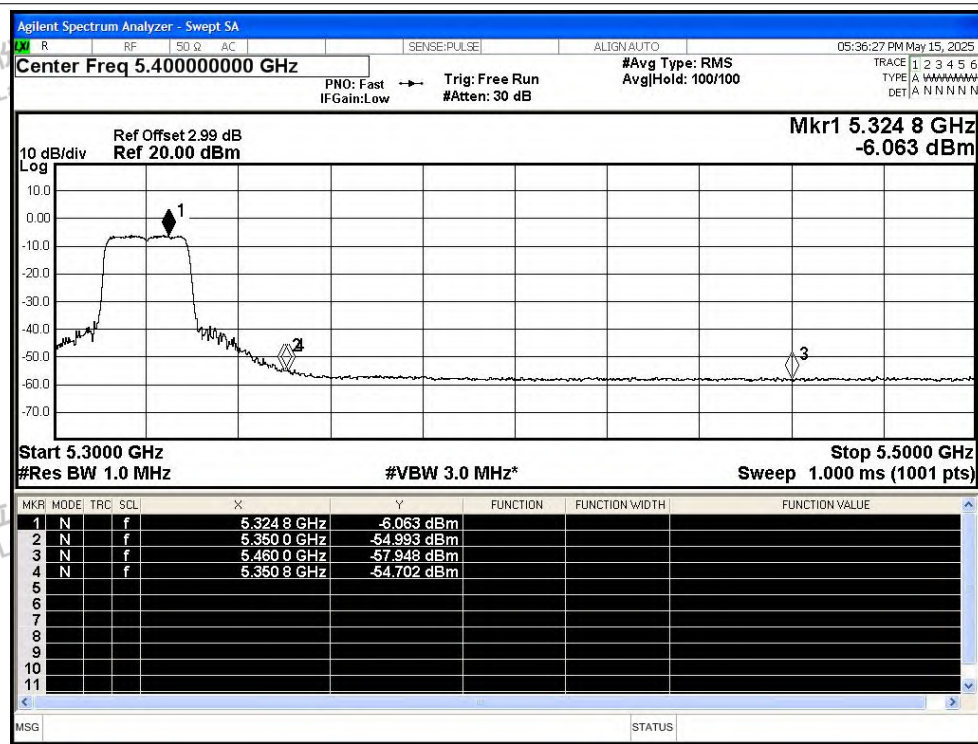




## Restrict Band NVNT n20 5320MHz Ant1 Peak



## Restrict Band NVNT n20 5320MHz Ant1 Average



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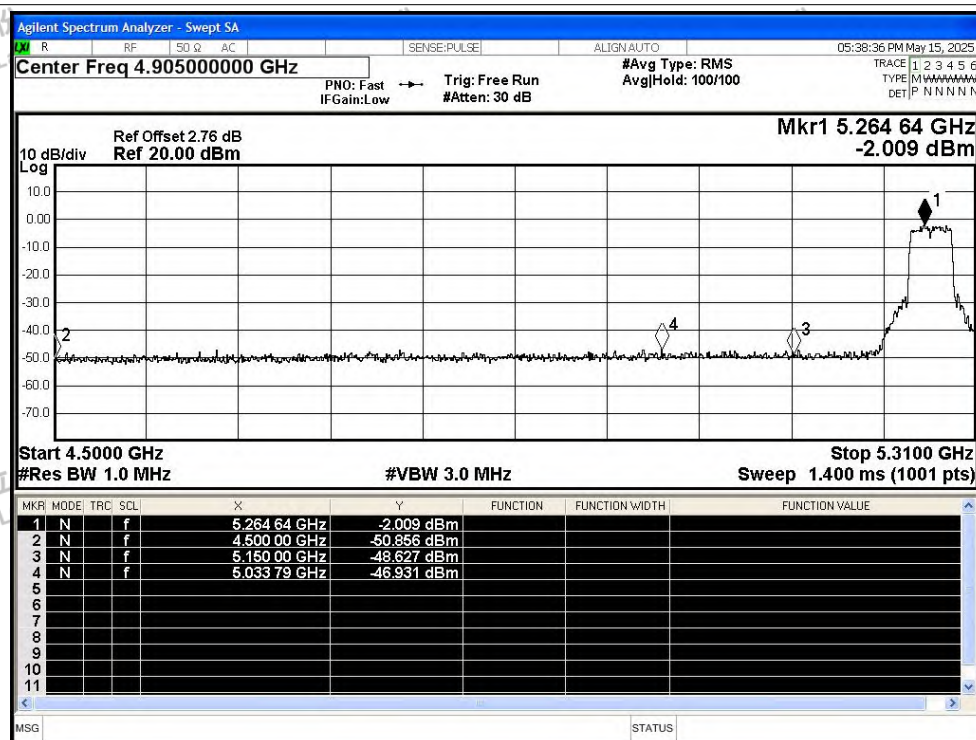
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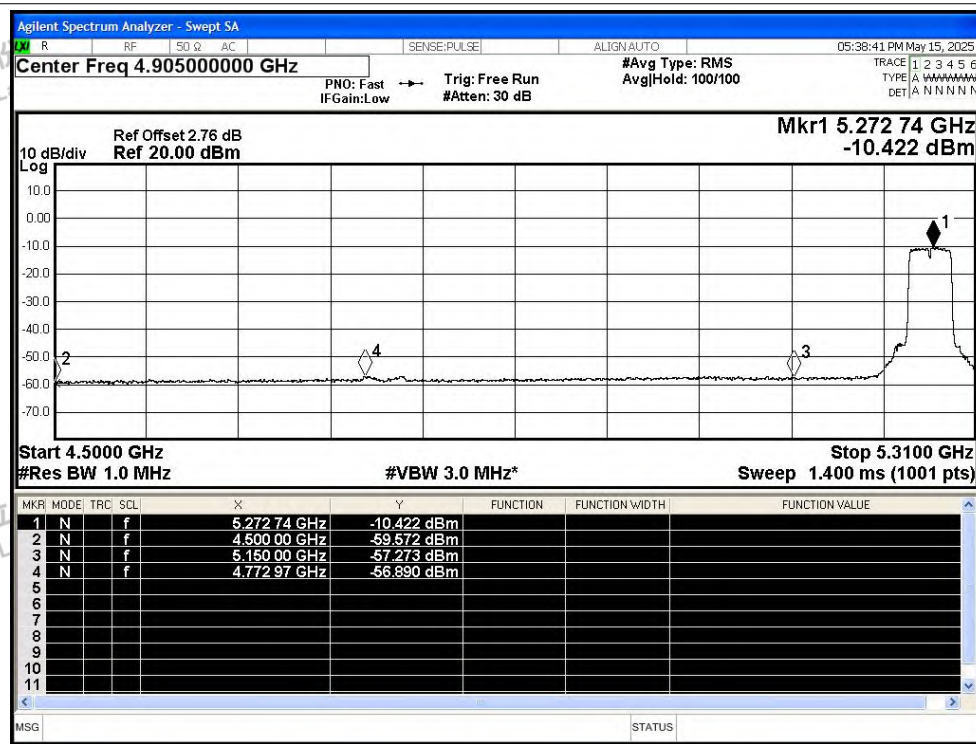




## Restrict Band NVNT n40 5270MHz Ant1 Peak



## Restrict Band NVNT n40 5270MHz Ant1 Average



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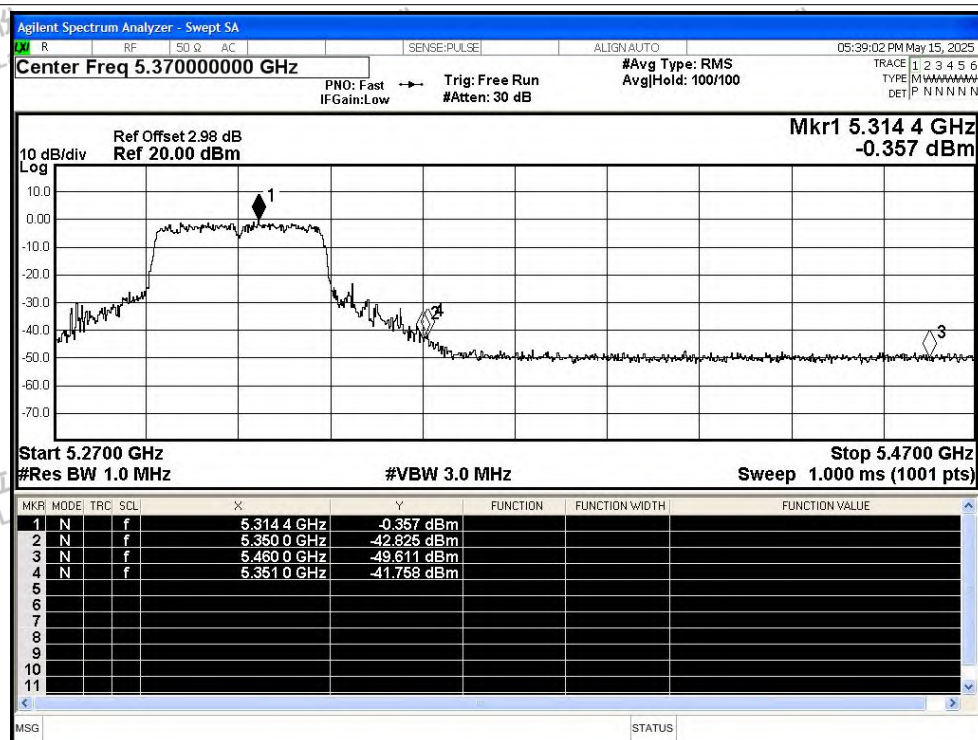
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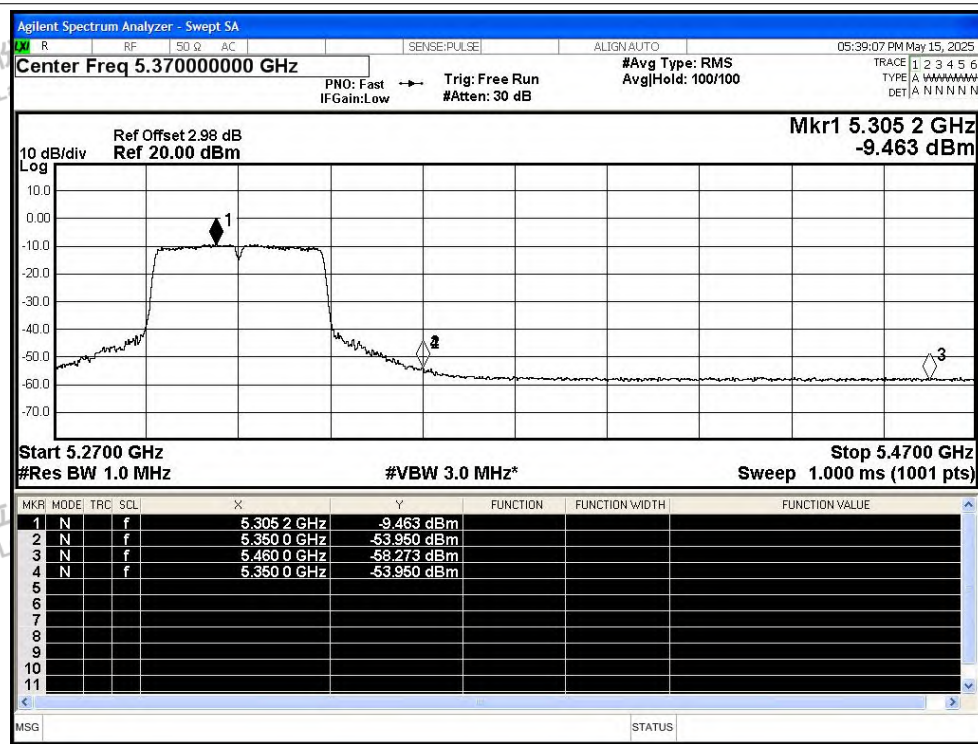
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## Restrict Band NVNT n40 5310MHz Ant1 Peak



## Restrict Band NVNT n40 5310MHz Ant1 Average



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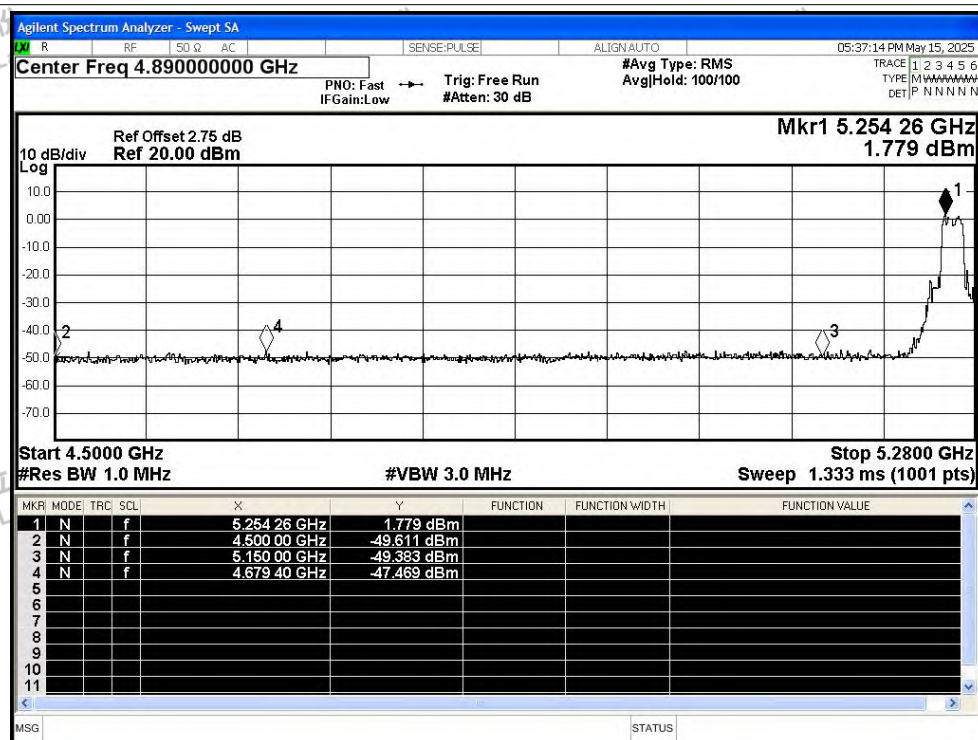
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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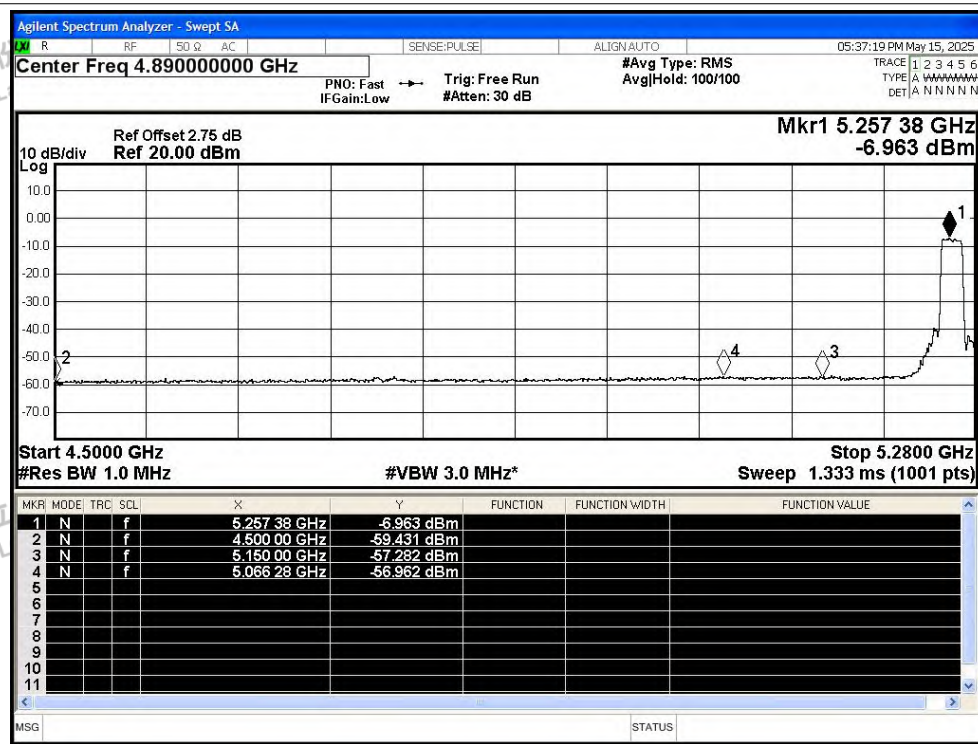
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## Restrict Band NVNT ac20 5260MHz Ant1 Peak



## Restrict Band NVNT ac20 5260MHz Ant1 Average



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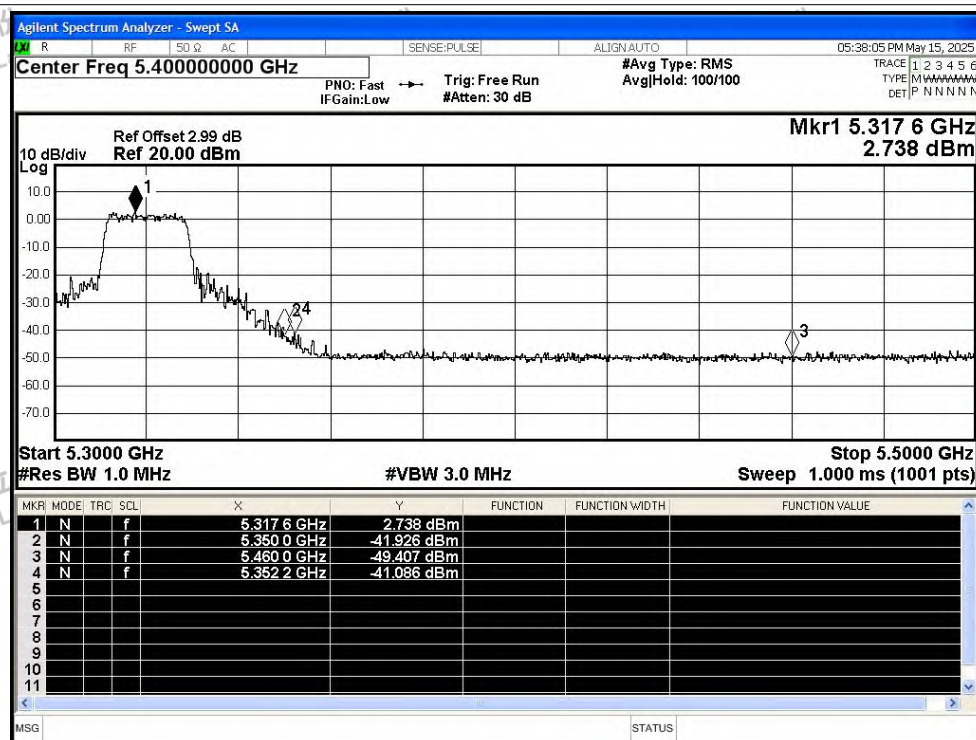
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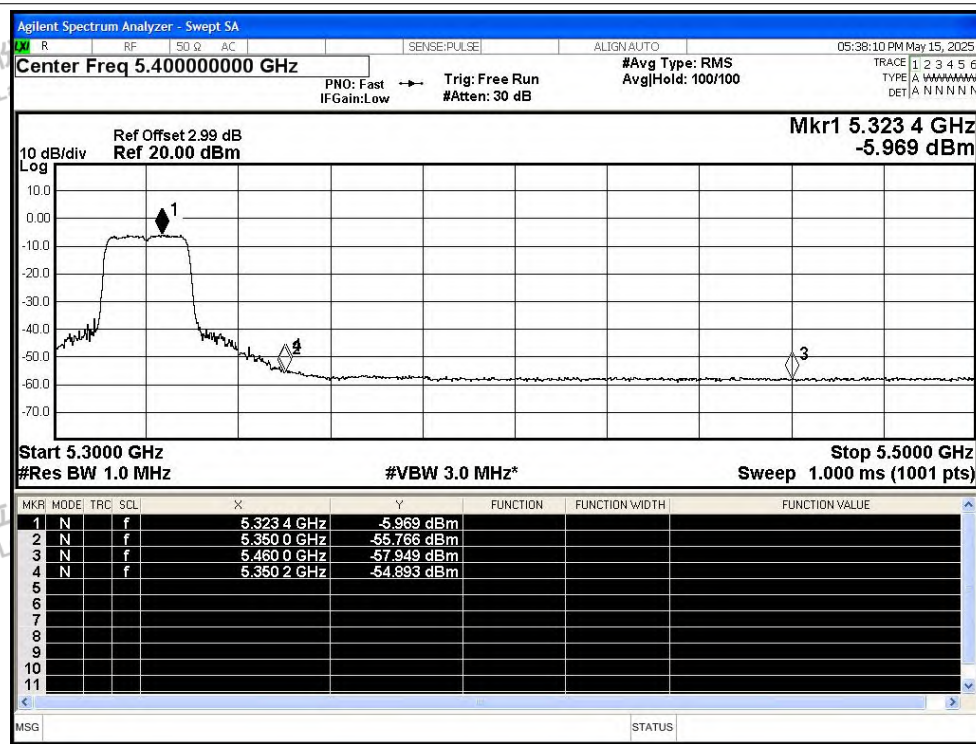




## Restrict Band NVNT ac20 5320MHz Ant1 Peak



## Restrict Band NVNT ac20 5320MHz Ant1 Average



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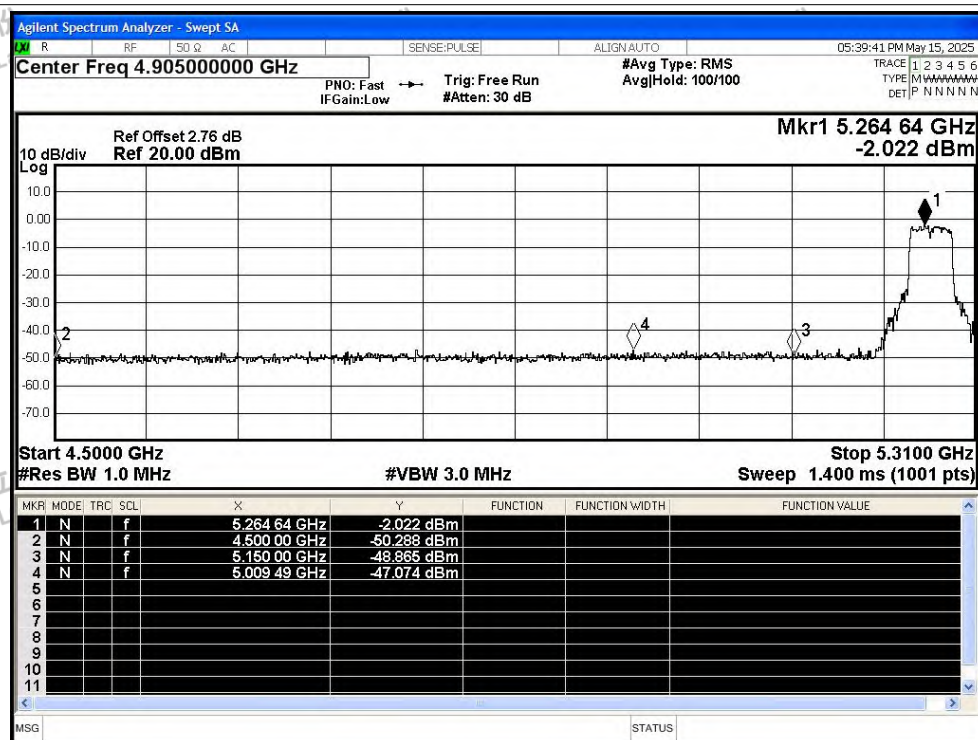
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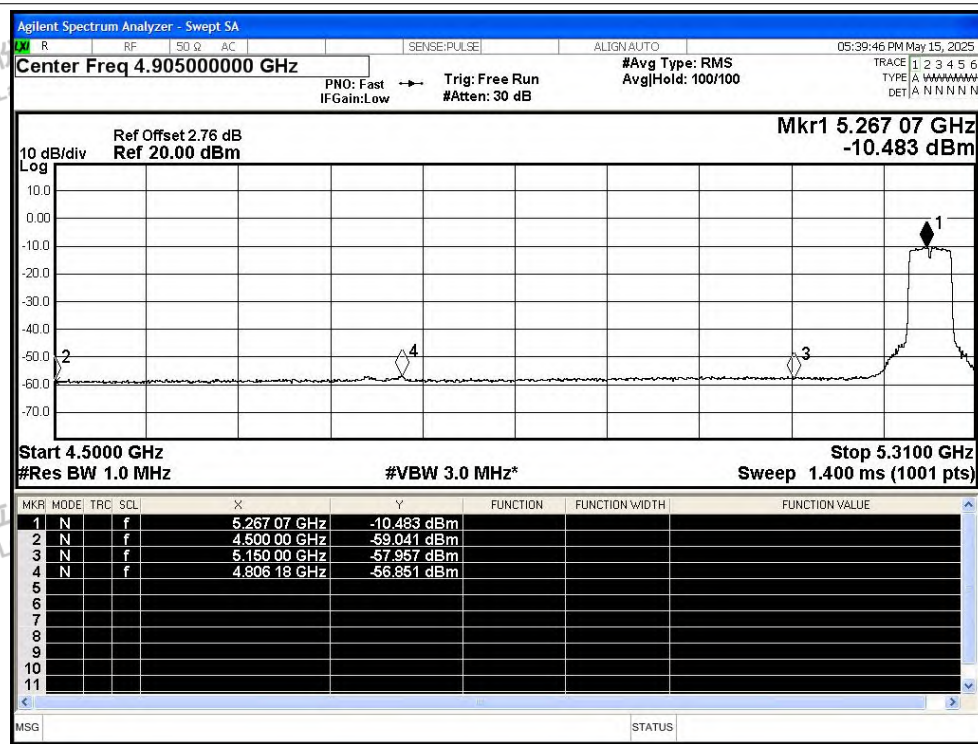
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## Restrict Band NVNT ac40 5270MHz Ant1 Peak



## Restrict Band NVNT ac40 5270MHz Ant1 Average



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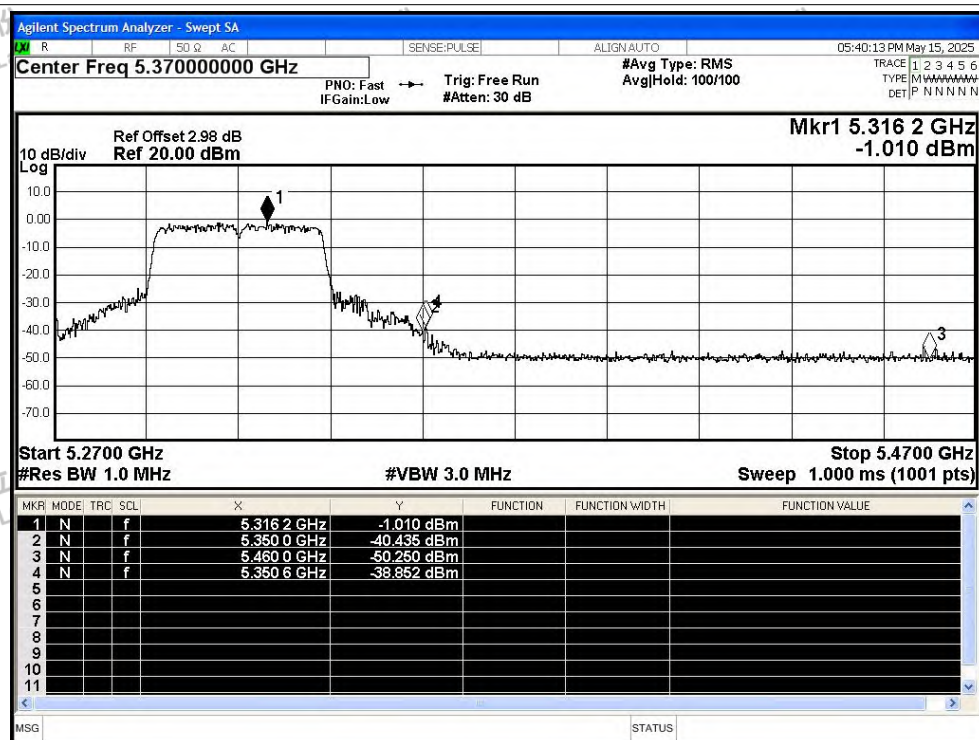
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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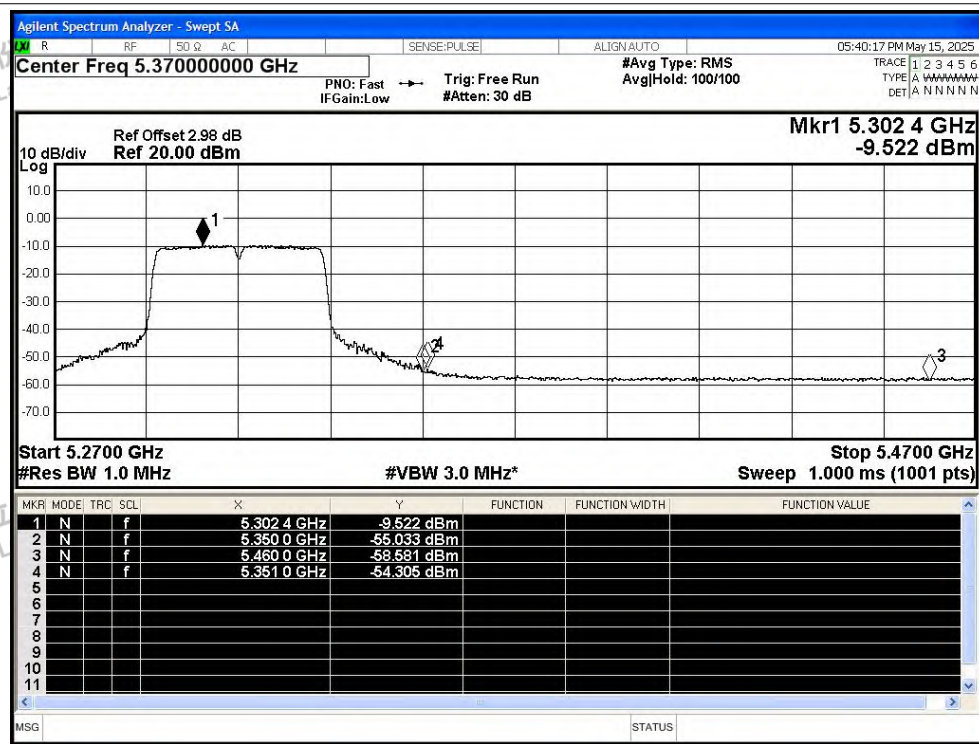
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## Restrict Band NVNT ac40 5310MHz Ant1 Peak



## Restrict Band NVNT ac40 5310MHz Ant1 Average



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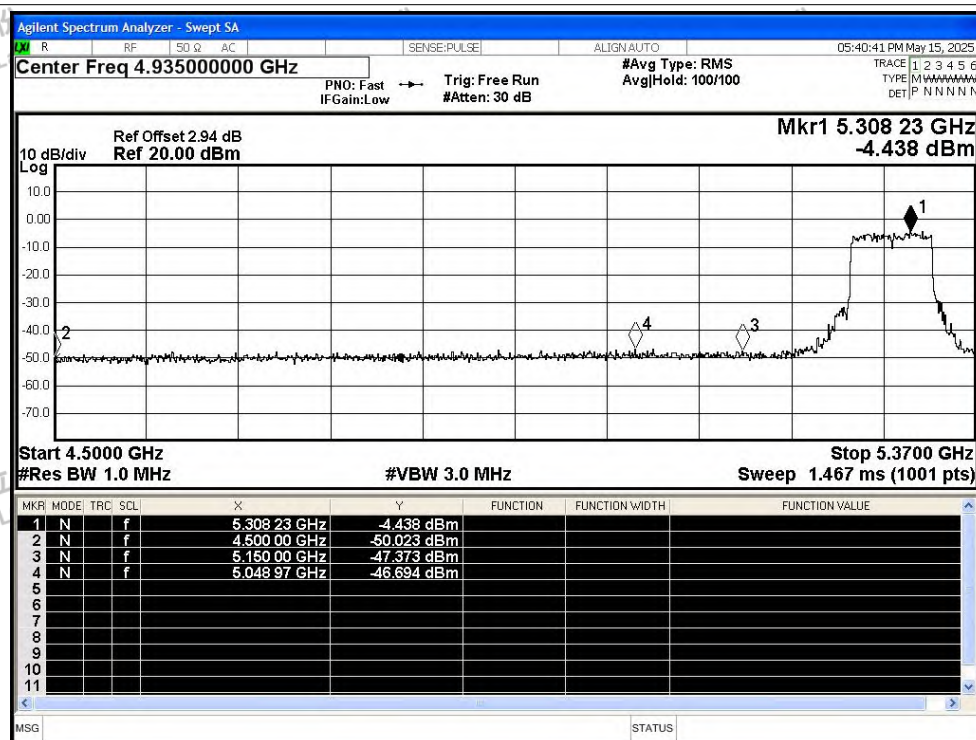
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

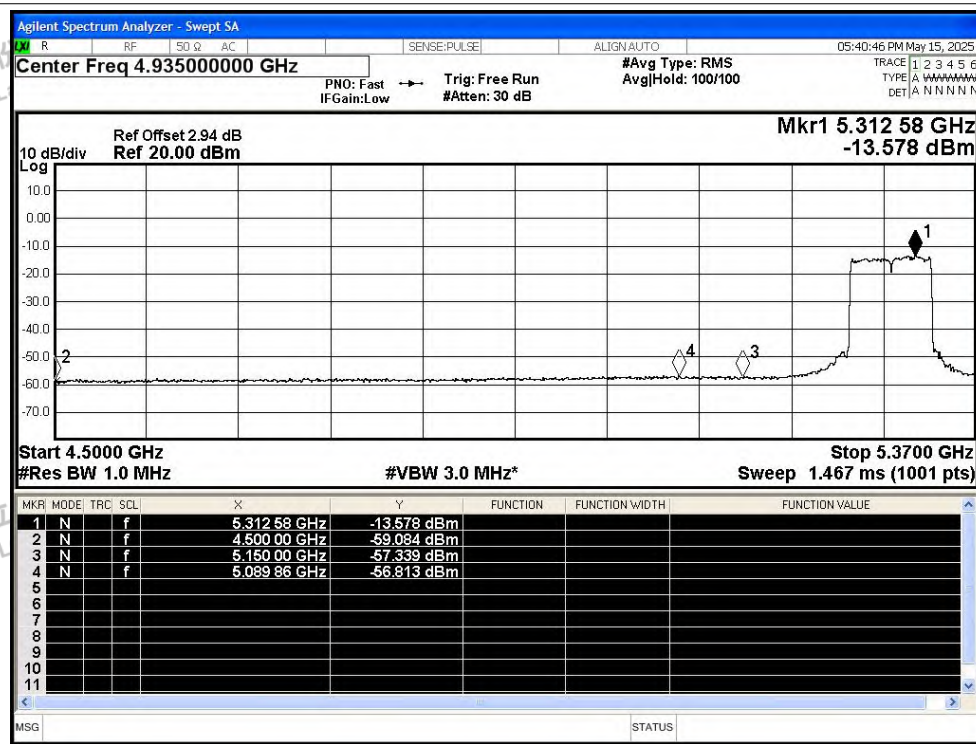




## Restrict Band NVNT ac80 5290MHz Ant1 Peak



## Restrict Band NVNT ac80 5290MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

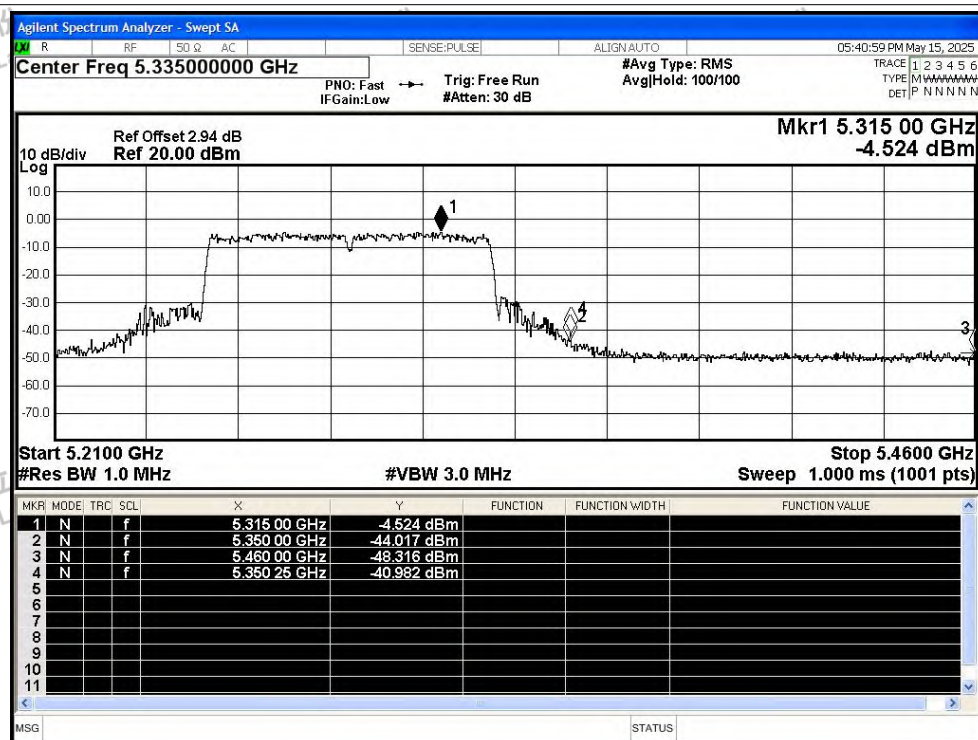
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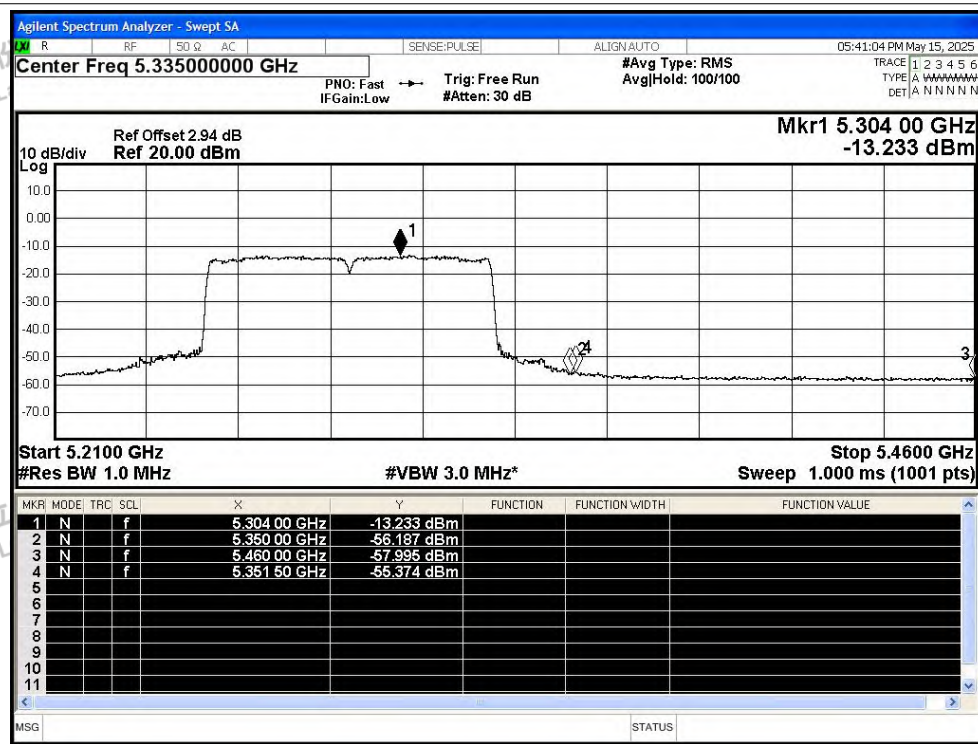
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## Restrict Band NVNT ac80 5290MHz Ant1 Peak



## Restrict Band NVNT ac80 5290MHz Ant1 Average



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| Condition | Mode | Frequency<br>(MHz) | Antenna | Spur<br>Freq<br>(MHz) | Power<br>(dBm) | Gain<br>(dBi) | Duty<br>Factor<br>(dB) | E<br>(dBuV/m) | Detector | Limit<br>(dBuV/m) | Verdict |
|-----------|------|--------------------|---------|-----------------------|----------------|---------------|------------------------|---------------|----------|-------------------|---------|
| NVNT      | a    | 5260               | Ant2    | 4500                  | -51.53         | 2             | -                      | 45.7          | Peak     | 68.2              | Pass    |
| NVNT      | a    | 5260               | Ant2    | 4500                  | -59.04         | 2             | 0.19                   | 38.38         | Average  | 54                | Pass    |
| NVNT      | a    | 5260               | Ant2    | 5048.34               | -46.93         | 2             | -                      | 50.3          | Peak     | 68.2              | Pass    |
| NVNT      | a    | 5260               | Ant2    | 5148.96               | -56.96         | 2             | 0.19                   | 40.46         | Average  | 54                | Pass    |
| NVNT      | a    | 5260               | Ant2    | 5150                  | -49.52         | 2             | -                      | 47.71         | Peak     | 68.2              | Pass    |
| NVNT      | a    | 5260               | Ant2    | 5150                  | -57.6          | 2             | 0.19                   | 39.82         | Average  | 54                | Pass    |
| NVNT      | a    | 5320               | Ant2    | 5350                  | -44.68         | 2             | -                      | 52.55         | Peak     | 68.2              | Pass    |
| NVNT      | a    | 5320               | Ant2    | 5350                  | -55.55         | 2             | 0.19                   | 41.87         | Average  | 54                | Pass    |
| NVNT      | a    | 5320               | Ant2    | 5353                  | -43.25         | 2             | -                      | 53.98         | Peak     | 68.2              | Pass    |
| NVNT      | a    | 5320               | Ant2    | 5350                  | -55.55         | 2             | 0.19                   | 41.87         | Average  | 54                | Pass    |
| NVNT      | a    | 5320               | Ant2    | 5460                  | -49.86         | 2             | -                      | 47.37         | Peak     | 68.2              | Pass    |
| NVNT      | a    | 5320               | Ant2    | 5460                  | -58.07         | 2             | 0.19                   | 39.35         | Average  | 54                | Pass    |
| NVNT      | n20  | 5260               | Ant2    | 4500                  | -51.48         | 2             | -                      | 45.75         | Peak     | 68.2              | Pass    |
| NVNT      | n20  | 5260               | Ant2    | 4500                  | -58.89         | 2             | 0.23                   | 38.57         | Average  | 54                | Pass    |
| NVNT      | n20  | 5260               | Ant2    | 5077.2                | -46.7          | 2             | -                      | 50.53         | Peak     | 68.2              | Pass    |
| NVNT      | n20  | 5260               | Ant2    | 5086.56               | -57.07         | 2             | 0.23                   | 40.39         | Average  | 54                | Pass    |
| NVNT      | n20  | 5260               | Ant2    | 5150                  | -49.21         | 2             | -                      | 48.02         | Peak     | 68.2              | Pass    |
| NVNT      | n20  | 5260               | Ant2    | 5150                  | -57.49         | 2             | 0.23                   | 39.97         | Average  | 54                | Pass    |
| NVNT      | n20  | 5320               | Ant2    | 5350                  | -42.88         | 2             | -                      | 54.35         | Peak     | 68.2              | Pass    |
| NVNT      | n20  | 5320               | Ant2    | 5350                  | -55.46         | 2             | 0.22                   | 41.99         | Average  | 54                | Pass    |
| NVNT      | n20  | 5320               | Ant2    | 5351                  | -40.17         | 2             | -                      | 57.06         | Peak     | 68.2              | Pass    |
| NVNT      | n20  | 5320               | Ant2    | 5350.6                | -54.94         | 2             | 0.22                   | 42.51         | Average  | 54                | Pass    |
| NVNT      | n20  | 5320               | Ant2    | 5460                  | -50.04         | 2             | -                      | 47.19         | Peak     | 68.2              | Pass    |
| NVNT      | n20  | 5320               | Ant2    | 5460                  | -57.86         | 2             | 0.22                   | 39.59         | Average  | 54                | Pass    |
| NVNT      | n40  | 5270               | Ant2    | 4500                  | -50.67         | 2             | -                      | 46.56         | Peak     | 68.2              | Pass    |
| NVNT      | n40  | 5270               | Ant2    | 4500                  | -59.46         | 2             | 0.44                   | 38.21         | Average  | 54                | Pass    |
| NVNT      | n40  | 5270               | Ant2    | 5028.93               | -46.71         | 2             | -                      | 50.52         | Peak     | 68.2              | Pass    |
| NVNT      | n40  | 5270               | Ant2    | 4806.99               | -56.39         | 2             | 0.44                   | 41.28         | Average  | 54                | Pass    |
| NVNT      | n40  | 5270               | Ant2    | 5150                  | -50.01         | 2             | -                      | 47.22         | Peak     | 68.2              | Pass    |
| NVNT      | n40  | 5270               | Ant2    | 5150                  | -57.64         | 2             | 0.44                   | 40.03         | Average  | 54                | Pass    |
| NVNT      | n40  | 5310               | Ant2    | 5350                  | -44.05         | 2             | -                      | 53.18         | Peak     | 68.2              | Pass    |
| NVNT      | n40  | 5310               | Ant2    | 5350                  | -54.37         | 2             | 0.44                   | 43.3          | Average  | 54                | Pass    |
| NVNT      | n40  | 5310               | Ant2    | 5350.4                | -40.23         | 2             | -                      | 57            | Peak     | 68.2              | Pass    |
| NVNT      | n40  | 5310               | Ant2    | 5350                  | -54.37         | 2             | 0.44                   | 43.3          | Average  | 54                | Pass    |
| NVNT      | n40  | 5310               | Ant2    | 5460                  | -50.68         | 2             | -                      | 46.55         | Peak     | 68.2              | Pass    |
| NVNT      | n40  | 5310               | Ant2    | 5460                  | -58.28         | 2             | 0.44                   | 39.39         | Average  | 54                | Pass    |
| NVNT      | ac20 | 5260               | Ant2    | 4500                  | -50.35         | 2             | -                      | 46.88         | Peak     | 68.2              | Pass    |
| NVNT      | ac20 | 5260               | Ant2    | 4500                  | -59.15         | 2             | 0.22                   | 38.3          | Average  | 54                | Pass    |



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|      |      |      |      |         |        |   |      |       |         |      |      |
|------|------|------|------|---------|--------|---|------|-------|---------|------|------|
| NVNT | ac20 | 5260 | Ant2 | 5129.46 | -46.56 | 2 | -    | 50.67 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5260 | Ant2 | 5139.6  | -57.21 | 2 | 0.22 | 40.24 | Average | 54   | Pass |
| NVNT | ac20 | 5260 | Ant2 | 5150    | -49.98 | 2 | -    | 47.25 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5260 | Ant2 | 5150    | -57.72 | 2 | 0.22 | 39.73 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant2 | 5350    | -43.92 | 2 | -    | 53.31 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5320 | Ant2 | 5350    | -55.03 | 2 | 0.22 | 42.42 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant2 | 5352.8  | -41.72 | 2 | -    | 55.51 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5320 | Ant2 | 5350.2  | -54.26 | 2 | 0.22 | 43.19 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant2 | 5460    | -49.59 | 2 | -    | 47.64 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5320 | Ant2 | 5460    | -57.96 | 2 | 0.22 | 39.49 | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant2 | 4500    | -49.09 | 2 | -    | 48.14 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant2 | 4500    | -58.83 | 2 | 0.43 | 38.83 | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant2 | 4718.7  | -46.87 | 2 | -    | 50.36 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant2 | 4806.99 | -56.44 | 2 | 0.43 | 41.22 | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant2 | 5150    | -49.75 | 2 | -    | 47.48 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant2 | 5150    | -57.46 | 2 | 0.43 | 40.2  | Average | 54   | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5350    | -43.6  | 2 | -    | 53.63 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5350    | -54.44 | 2 | 0.43 | 43.22 | Average | 54   | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5352.8  | -41.73 | 2 | -    | 55.5  | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5350.2  | -53.47 | 2 | 0.43 | 44.19 | Average | 54   | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5460    | -48.23 | 2 | -    | 49    | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5460    | -58.26 | 2 | 0.43 | 39.4  | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant2 | 4500    | -50.99 | 2 | -    | 46.24 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant2 | 4500    | -59.07 | 2 | 0.83 | 38.99 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant2 | 5110.74 | -46.33 | 2 | -    | 50.9  | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant2 | 5109    | -56.87 | 2 | 0.83 | 41.19 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant2 | 5150    | -49.14 | 2 | -    | 48.09 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant2 | 5150    | -57.92 | 2 | 0.83 | 40.14 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant2 | 5350    | -42.3  | 2 | -    | 54.93 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant2 | 5350    | -55.25 | 2 | 0.83 | 42.81 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant2 | 5353.5  | -42.27 | 2 | -    | 54.96 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant2 | 5352.25 | -54.83 | 2 | 0.83 | 43.23 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant2 | 5460    | -51.42 | 2 | -    | 45.81 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant2 | 5460    | -58.31 | 2 | 0.83 | 39.75 | Average | 54   | Pass |



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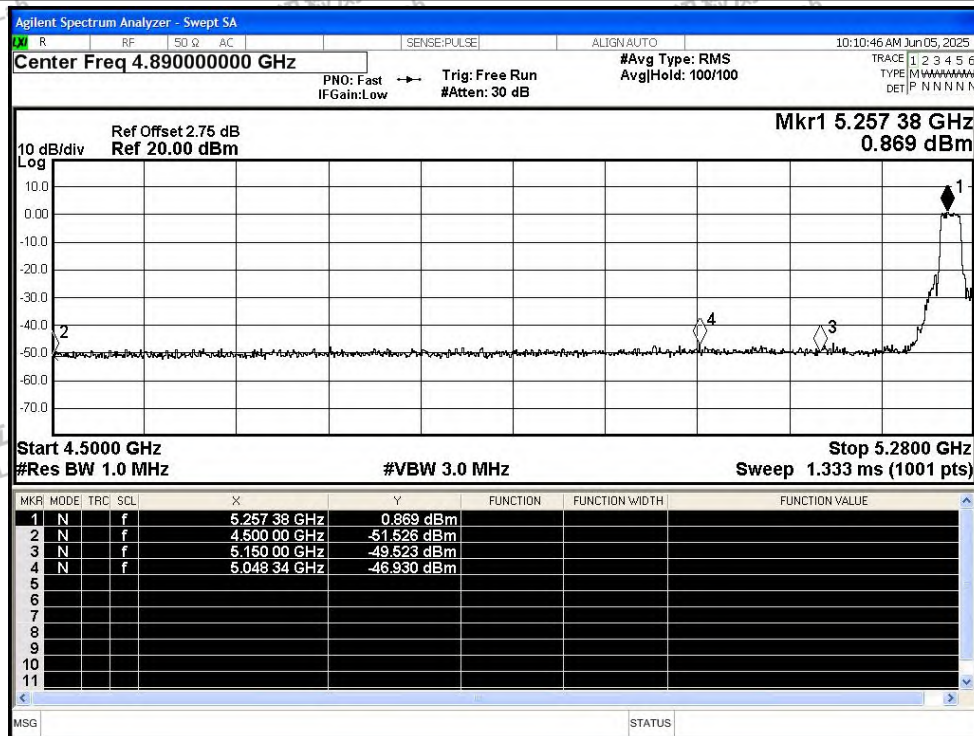
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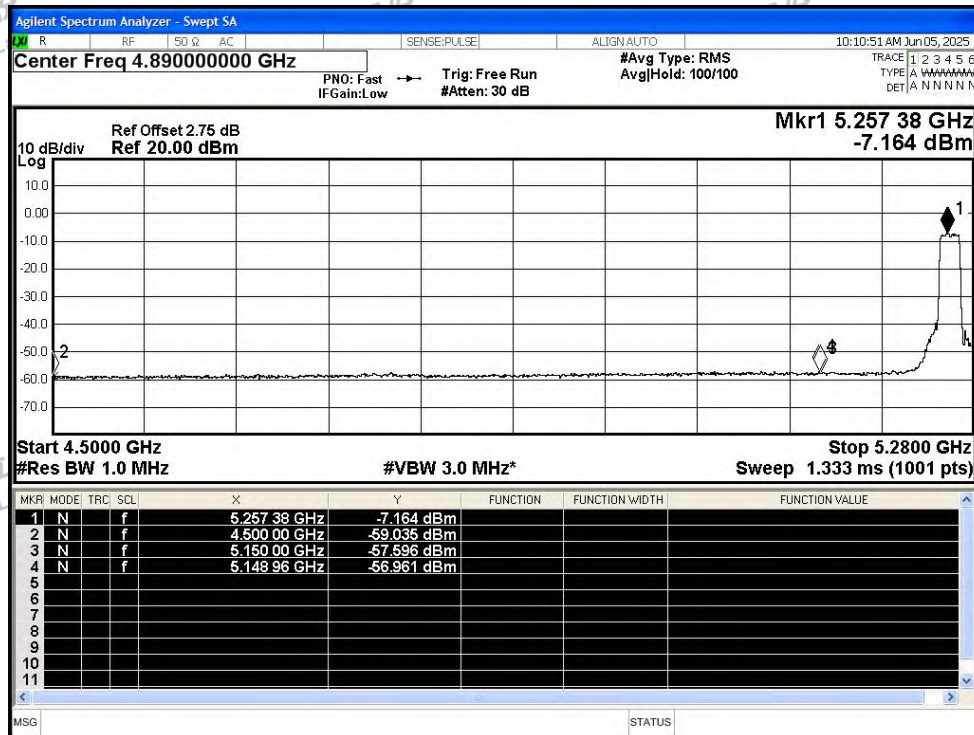


## Test Graphs

## Restrict Band NVNT a 5260MHz Ant2 Peak



## Restrict Band NVNT a 5260MHz Ant2 Average



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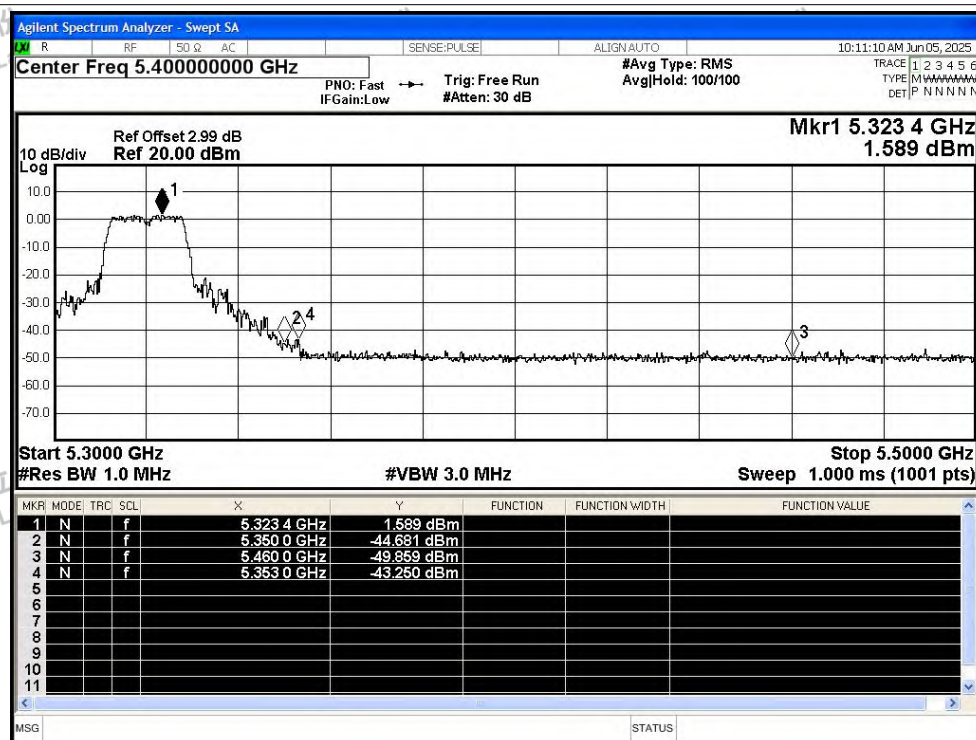
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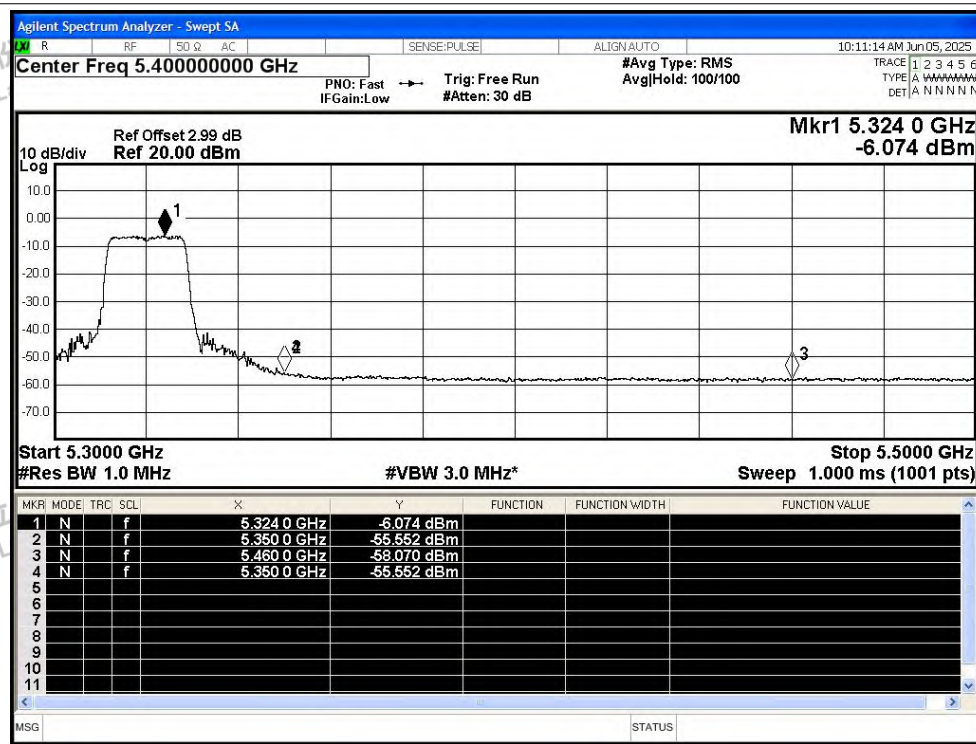
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## Restrict Band NVNT a 5320MHz Ant2 Peak



## Restrict Band NVNT a 5320MHz Ant2 Average



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