



## Appendix D

### RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: wetteronline home

Test Model: wetteronline home 4

#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.3°C    |
| Relative Humidity: | 52.4%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Can Kun   |
| Supervised by:     | Nick Peng |



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## D.1 -26dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | a    | 5180            | Ant     | 28.172                 | ---                          | Pass    |
| NVNT      | a    | 5200            | Ant     | 28.39                  | ---                          | Pass    |
| NVNT      | a    | 5240            | Ant     | 26.483                 | ---                          | Pass    |
| NVNT      | n20  | 5180            | Ant     | 28.057                 | ---                          | Pass    |
| NVNT      | n20  | 5200            | Ant     | 26.954                 | ---                          | Pass    |
| NVNT      | n20  | 5240            | Ant     | 27.281                 | ---                          | Pass    |
| NVNT      | n40  | 5190            | Ant     | 46.62                  | ---                          | Pass    |
| NVNT      | n40  | 5230            | Ant     | 50.052                 | ---                          | Pass    |
| NVNT      | ac20 | 5180            | Ant     | 29.048                 | ---                          | Pass    |
| NVNT      | ac20 | 5200            | Ant     | 27.108                 | ---                          | Pass    |
| NVNT      | ac20 | 5240            | Ant     | 28.703                 | ---                          | Pass    |
| NVNT      | ac40 | 5190            | Ant     | 48.558                 | ---                          | Pass    |
| NVNT      | ac40 | 5230            | Ant     | 45.563                 | ---                          | Pass    |
| NVNT      | ac80 | 5210            | Ant     | 86.302                 | ---                          | Pass    |



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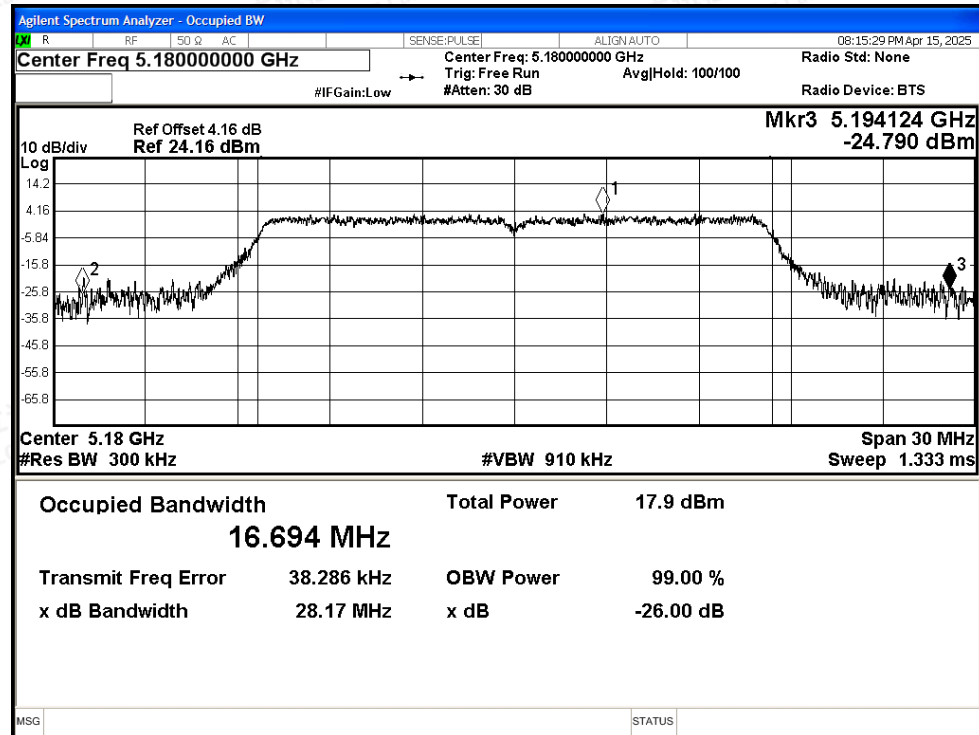
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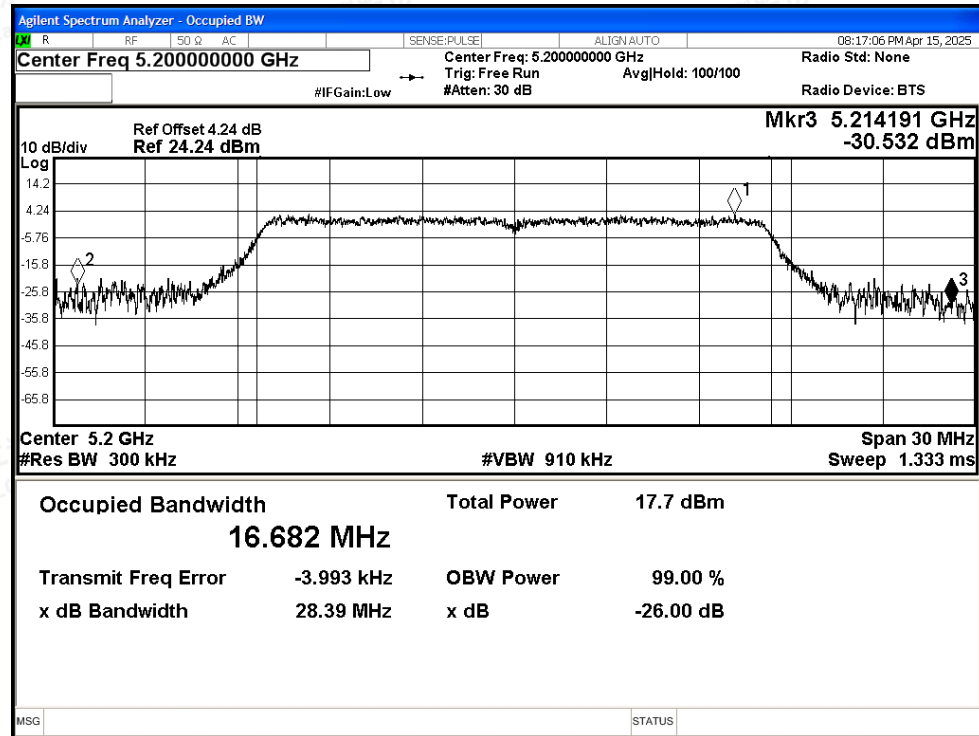


## Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant



-26dB Bandwidth NVNT a 5200MHz Ant



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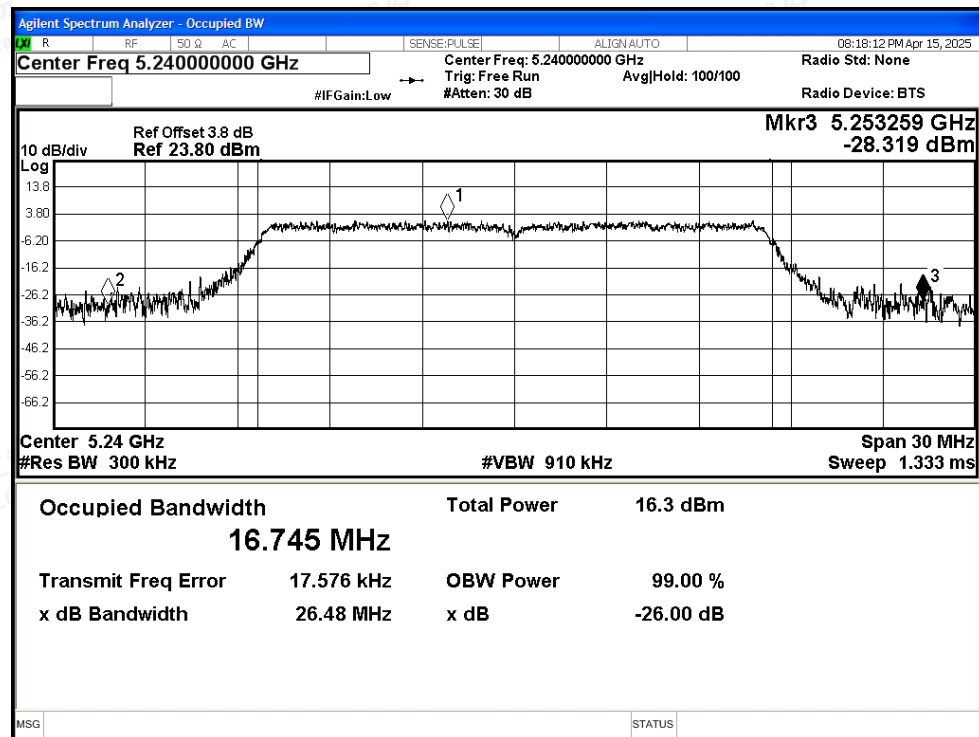
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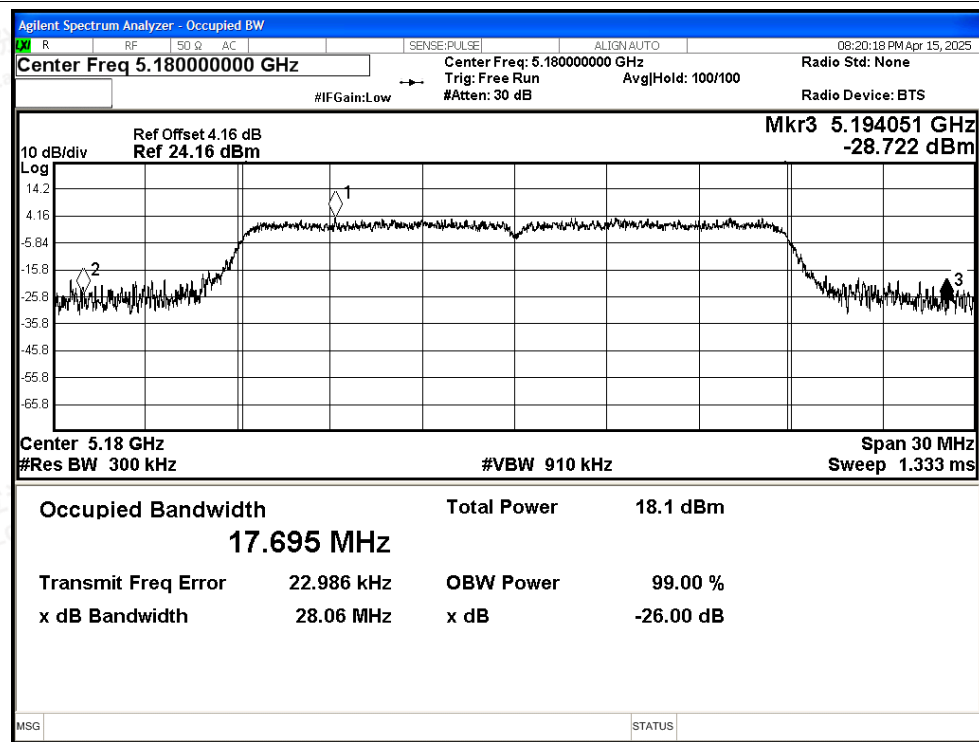
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## -26dB Bandwidth NVNT a 5240MHz Ant



## -26dB Bandwidth NVNT n20 5180MHz Ant



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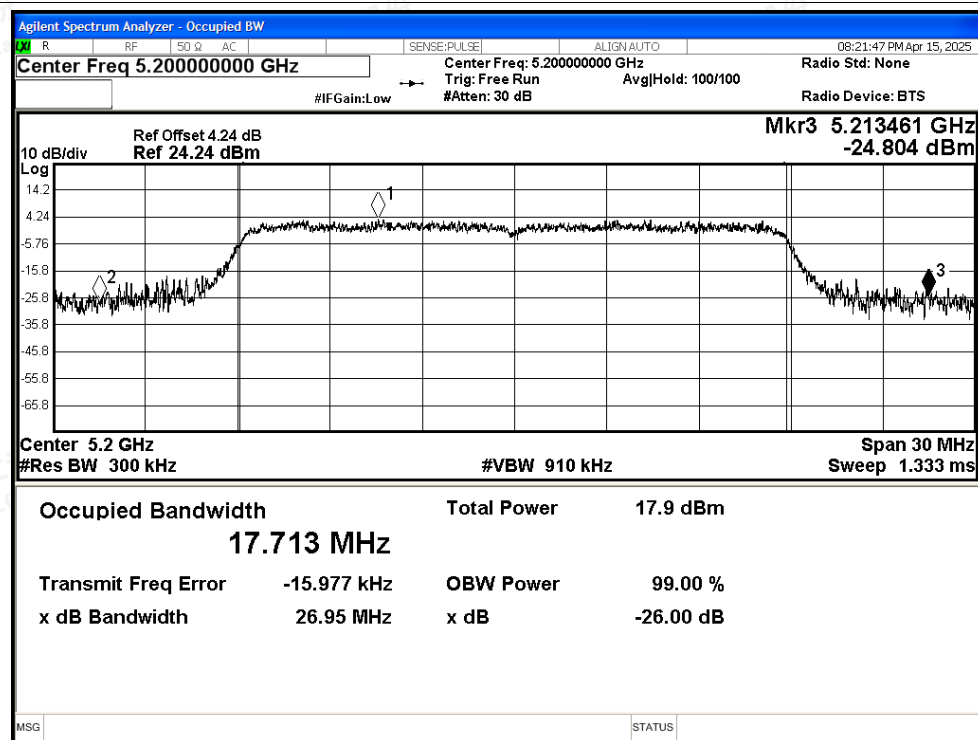
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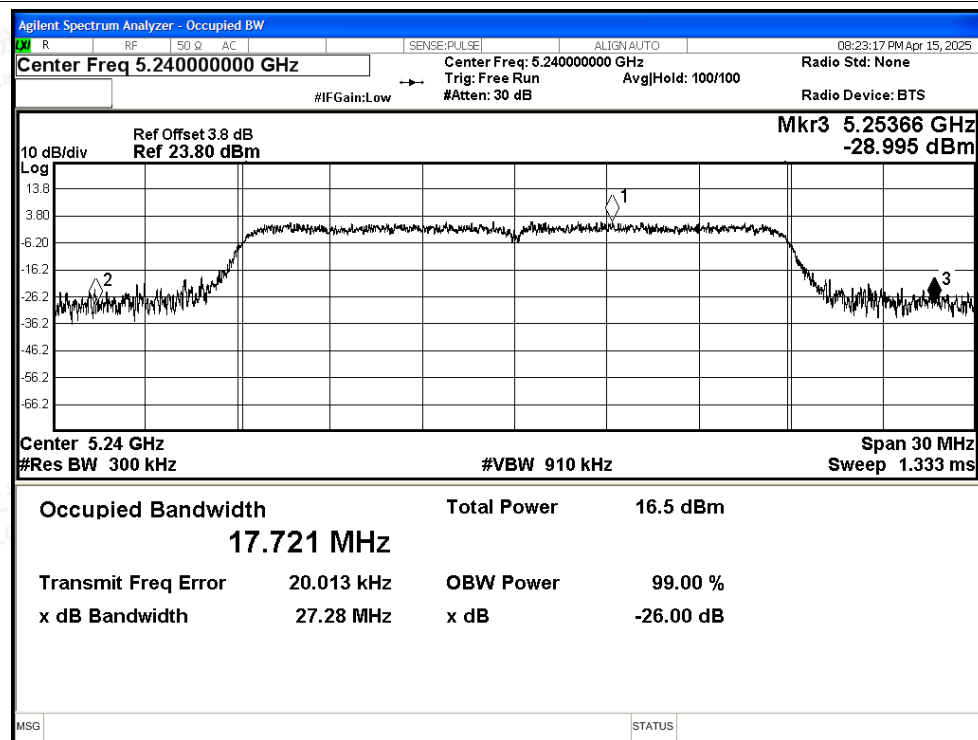
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## -26dB Bandwidth NVNT n20 5200MHz Ant



## -26dB Bandwidth NVNT n20 5240MHz Ant



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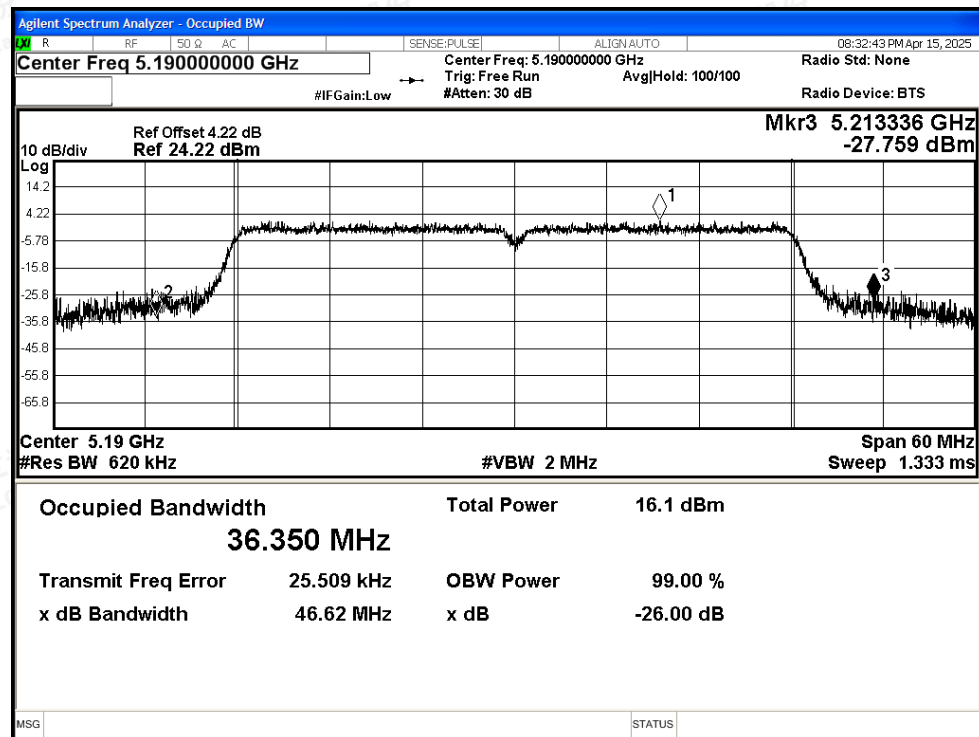
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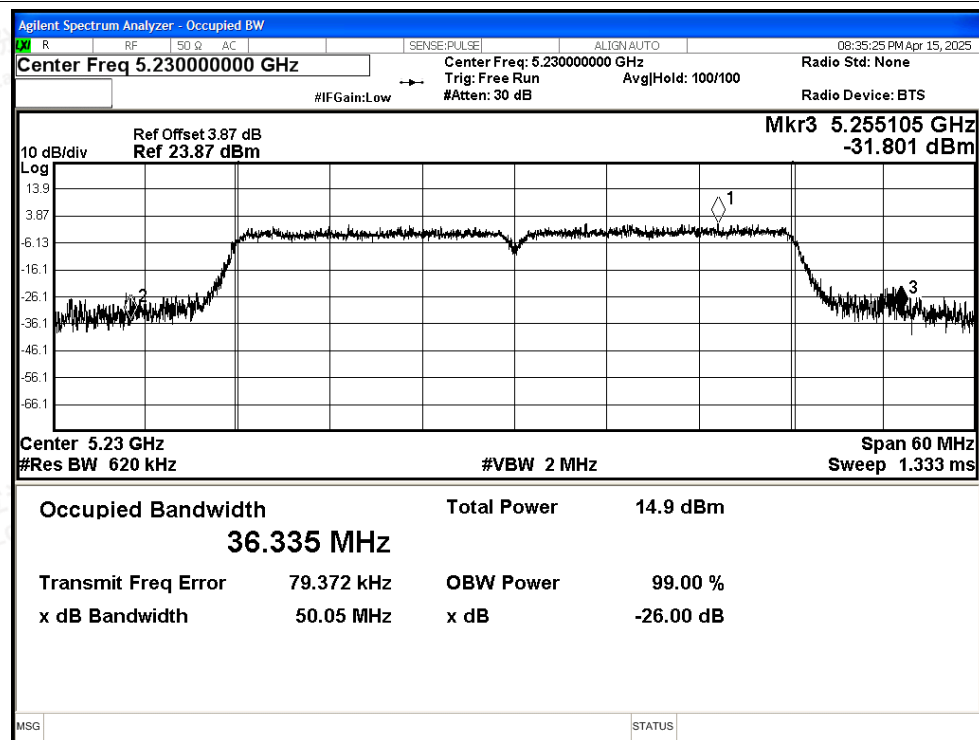
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## -26dB Bandwidth NVNT n40 5190MHz Ant



## -26dB Bandwidth NVNT n40 5230MHz Ant



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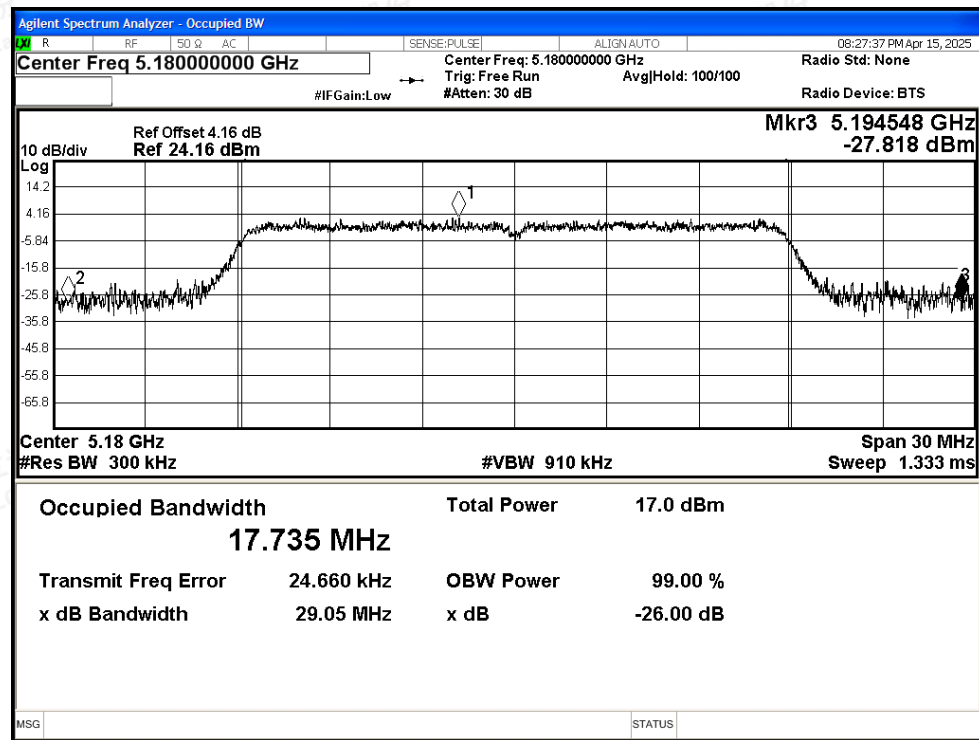
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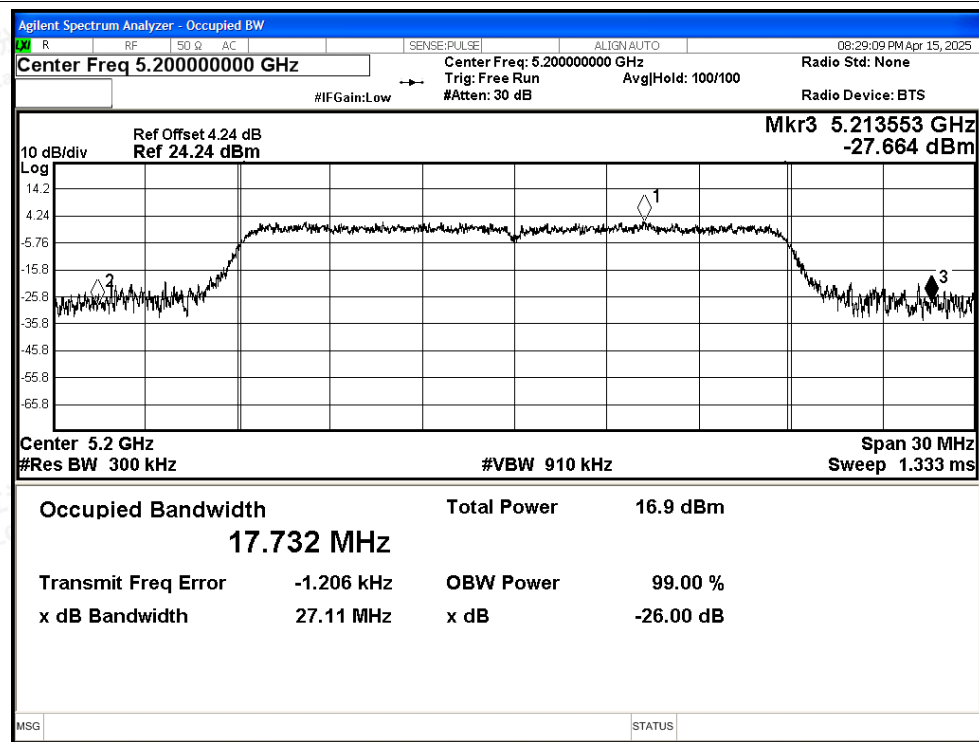
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## -26dB Bandwidth NVNT ac20 5180MHz Ant



## -26dB Bandwidth NVNT ac20 5200MHz Ant



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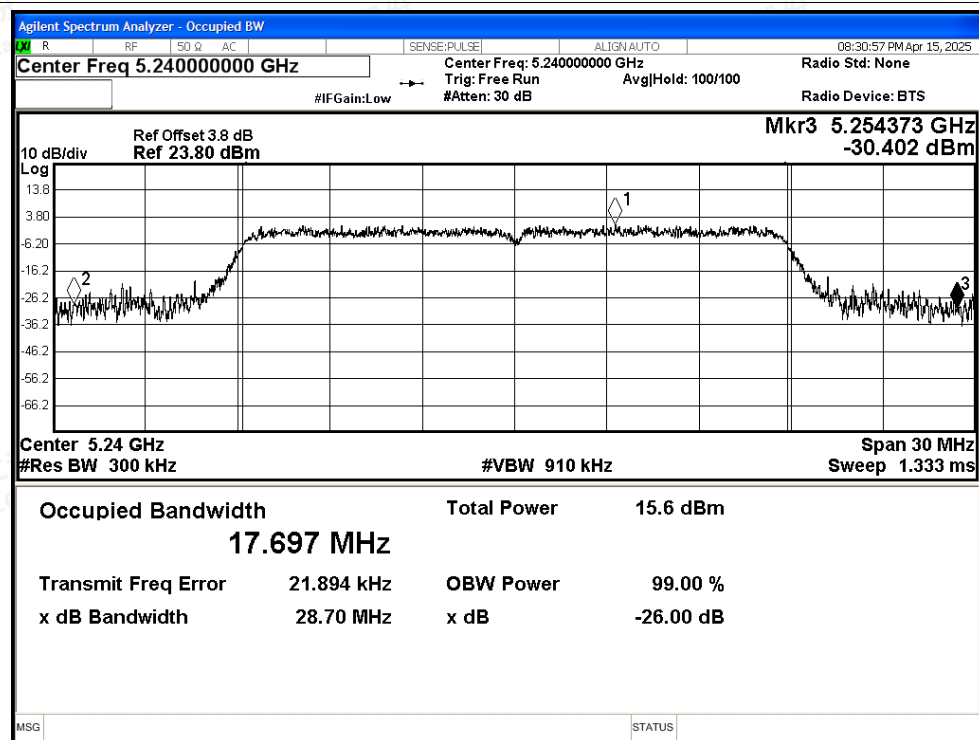
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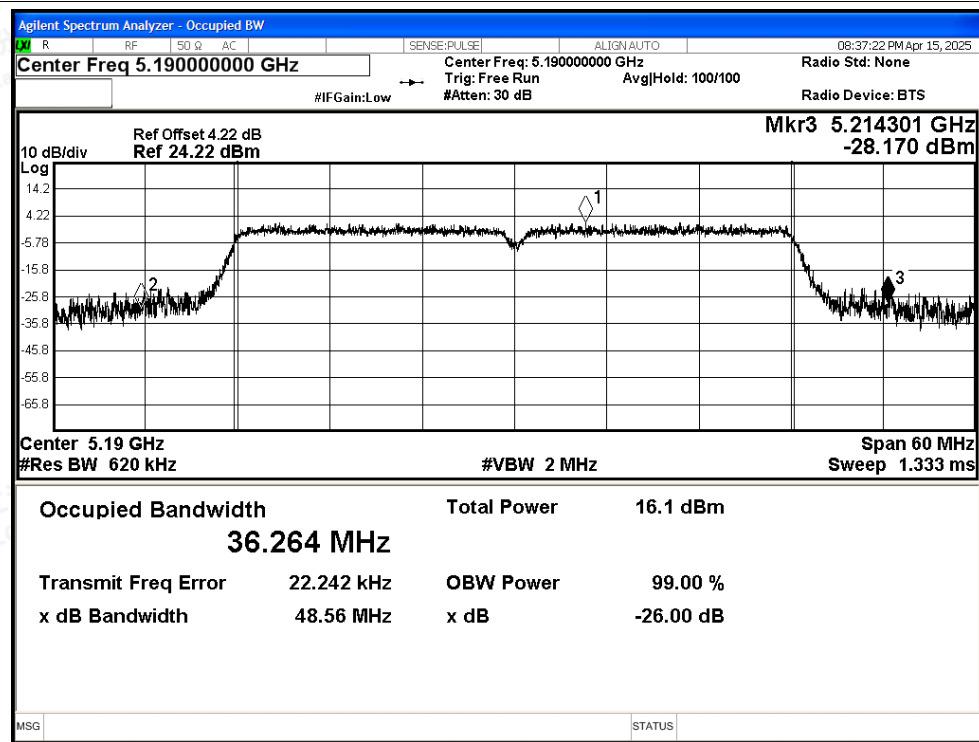
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## -26dB Bandwidth NVNT ac20 5240MHz Ant



## -26dB Bandwidth NVNT ac40 5190MHz Ant



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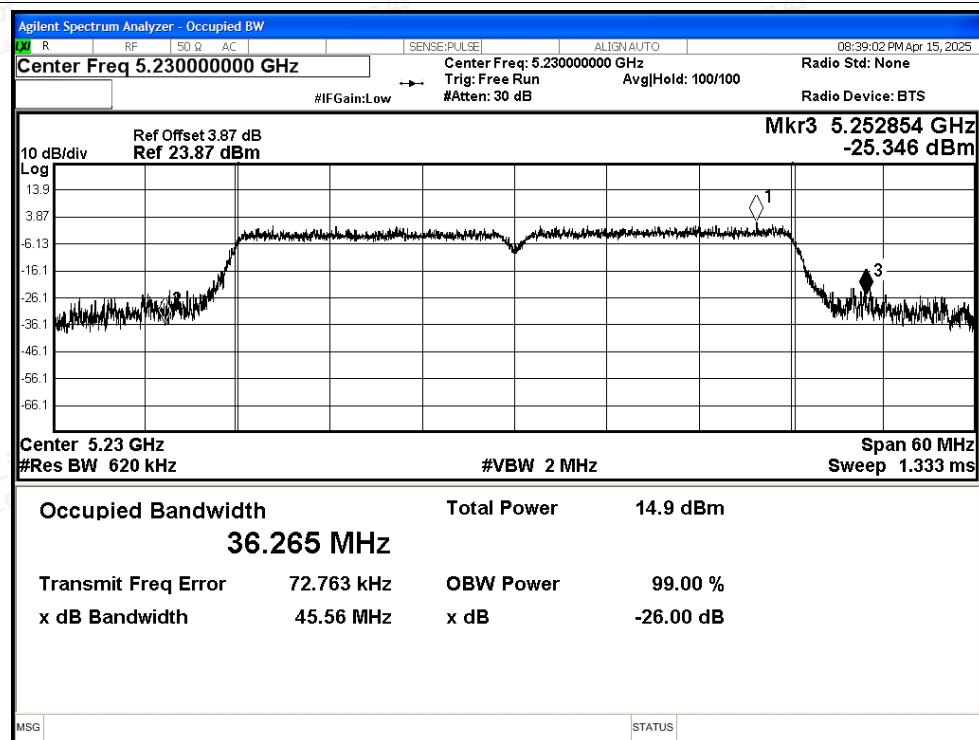
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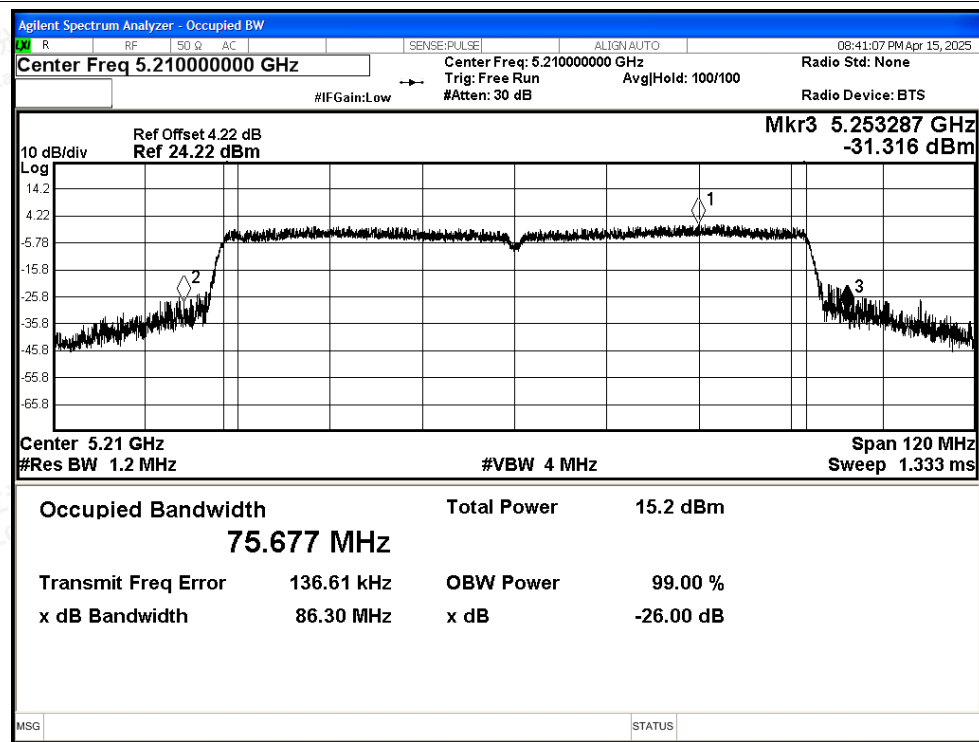
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## -26dB Bandwidth NVNT ac40 5230MHz Ant



## -26dB Bandwidth NVNT ac80 5210MHz Ant



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## D.2 Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5180            | Ant     | 12.17                 | 0.24             | 12.41             | 24          | Pass    |
| NVNT      | a    | 5200            | Ant     | 11.97                 | 0.24             | 12.21             | 24          | Pass    |
| NVNT      | a    | 5240            | Ant     | 10.57                 | 0.24             | 10.81             | 24          | Pass    |
| NVNT      | n20  | 5180            | Ant     | 12.56                 | 0                | 12.56             | 24          | Pass    |
| NVNT      | n20  | 5200            | Ant     | 12.44                 | 0                | 12.44             | 24          | Pass    |
| NVNT      | n20  | 5240            | Ant     | 11.03                 | 0                | 11.03             | 24          | Pass    |
| NVNT      | n40  | 5190            | Ant     | 9.85                  | 0.16             | 10.01             | 24          | Pass    |
| NVNT      | n40  | 5230            | Ant     | 8.59                  | 0.16             | 8.75              | 24          | Pass    |
| NVNT      | ac20 | 5180            | Ant     | 11.52                 | 0                | 11.52             | 24          | Pass    |
| NVNT      | ac20 | 5200            | Ant     | 11.36                 | 0                | 11.36             | 24          | Pass    |
| NVNT      | ac20 | 5240            | Ant     | 10.04                 | 0                | 10.04             | 24          | Pass    |
| NVNT      | ac40 | 5190            | Ant     | 9.89                  | 0.16             | 10.05             | 24          | Pass    |
| NVNT      | ac40 | 5230            | Ant     | 8.51                  | 0.16             | 8.67              | 24          | Pass    |
| NVNT      | ac80 | 5210            | Ant     | 7.98                  | 0.33             | 8.31              | 24          | Pass    |





### D.3 Maximum Power Spectral Density Level

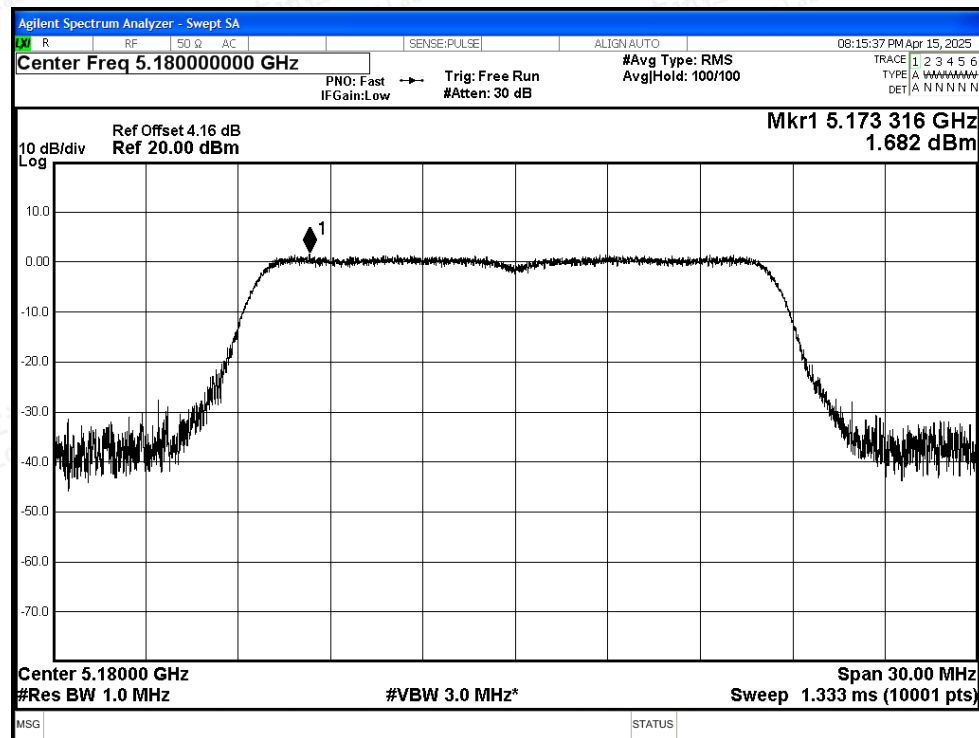
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/MHz) | Duty Factor (dB) | Total PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------|-------------------------|------------------|---------------------|-----------------|---------|
| NVNT      | a    | 5180            | Ant     | 1.68                    | 0.24             | 1.92                | 11              | Pass    |
| NVNT      | a    | 5200            | Ant     | 1.36                    | 0.24             | 1.6                 | 11              | Pass    |
| NVNT      | a    | 5240            | Ant     | -0.05                   | 0.24             | 0.19                | 11              | Pass    |
| NVNT      | n20  | 5180            | Ant     | 1.64                    | 0                | 1.64                | 11              | Pass    |
| NVNT      | n20  | 5200            | Ant     | 1.61                    | 0                | 1.61                | 11              | Pass    |
| NVNT      | n20  | 5240            | Ant     | 0.56                    | 0                | 0.56                | 11              | Pass    |
| NVNT      | n40  | 5190            | Ant     | -4.05                   | 0.16             | -3.89               | 11              | Pass    |
| NVNT      | n40  | 5230            | Ant     | -4.79                   | 0.16             | -4.63               | 11              | Pass    |
| NVNT      | ac20 | 5180            | Ant     | 0.74                    | 0                | 0.74                | 11              | Pass    |
| NVNT      | ac20 | 5200            | Ant     | 0.56                    | 0                | 0.56                | 11              | Pass    |
| NVNT      | ac20 | 5240            | Ant     | -0.54                   | 0                | -0.54               | 11              | Pass    |
| NVNT      | ac40 | 5190            | Ant     | -3.87                   | 0.16             | -3.71               | 11              | Pass    |
| NVNT      | ac40 | 5230            | Ant     | -5.03                   | 0.16             | -4.87               | 11              | Pass    |
| NVNT      | ac80 | 5210            | Ant     | -8.1                    | 0.33             | -7.77               | 11              | Pass    |



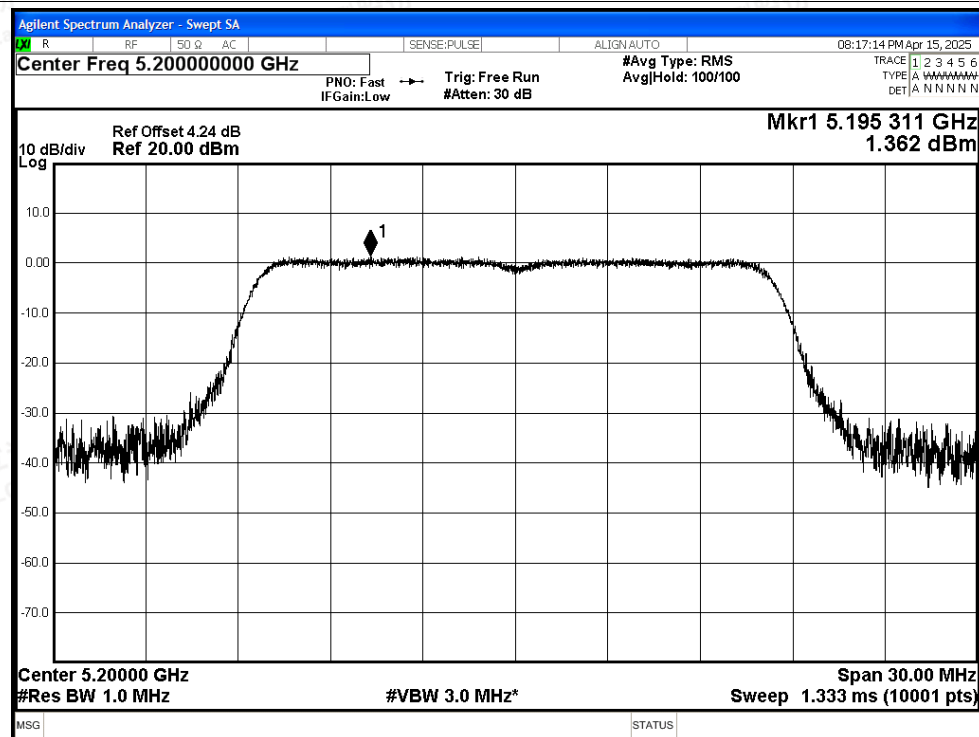


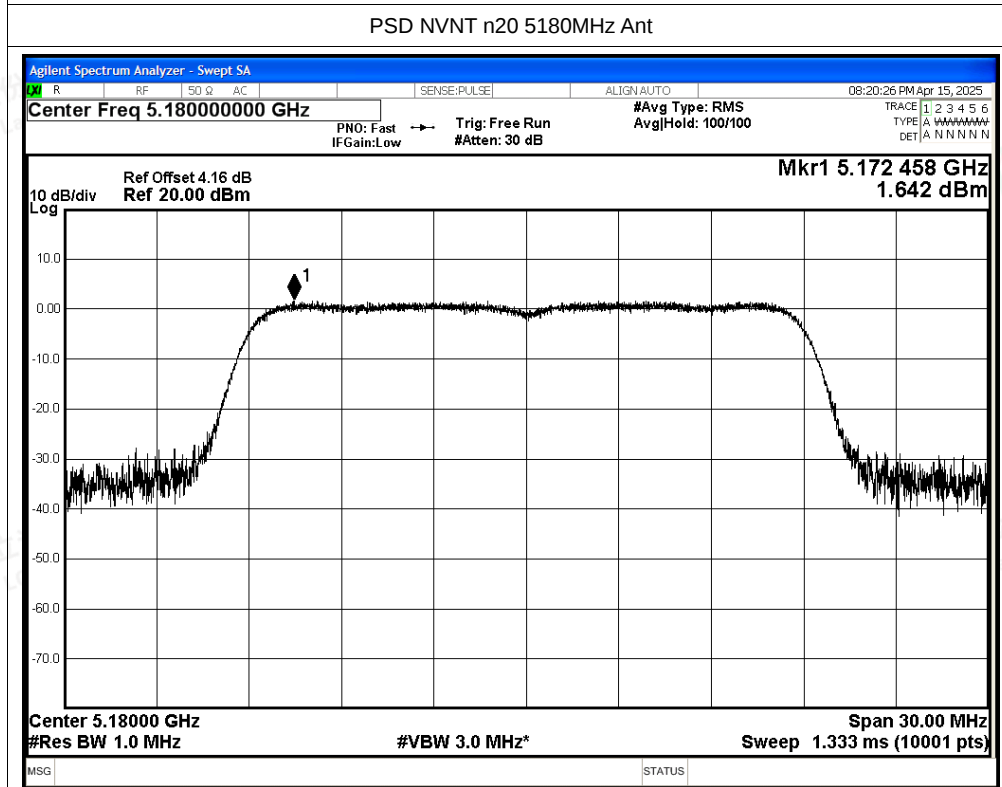
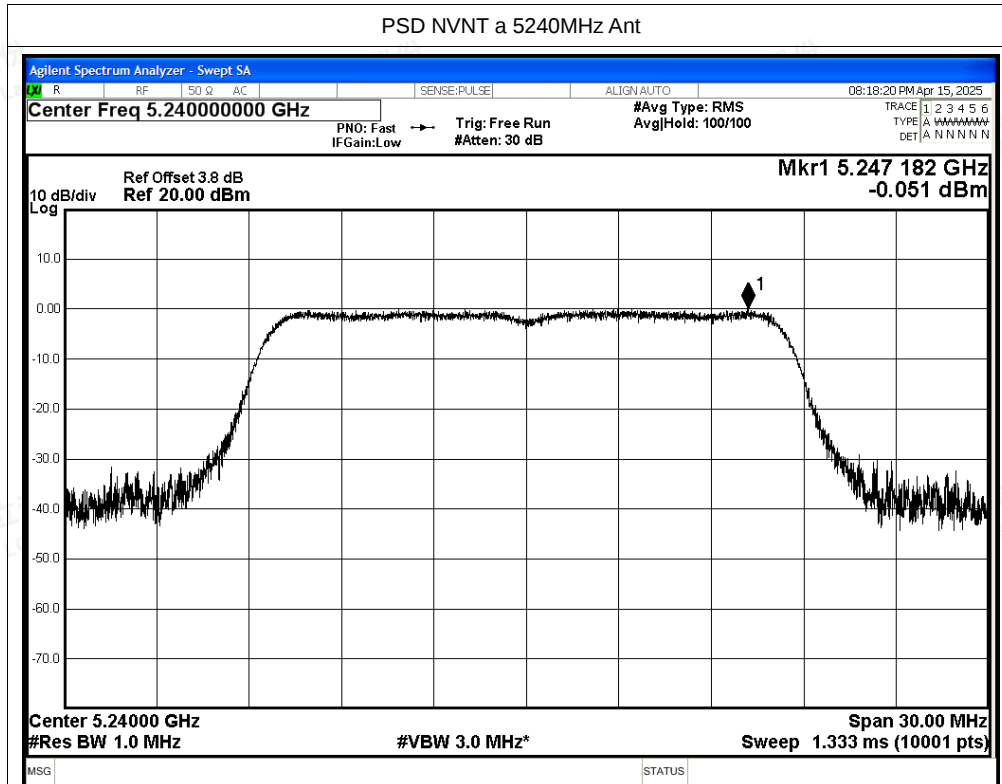
## Test Graphs

PSD NVNT a 5180MHz Ant



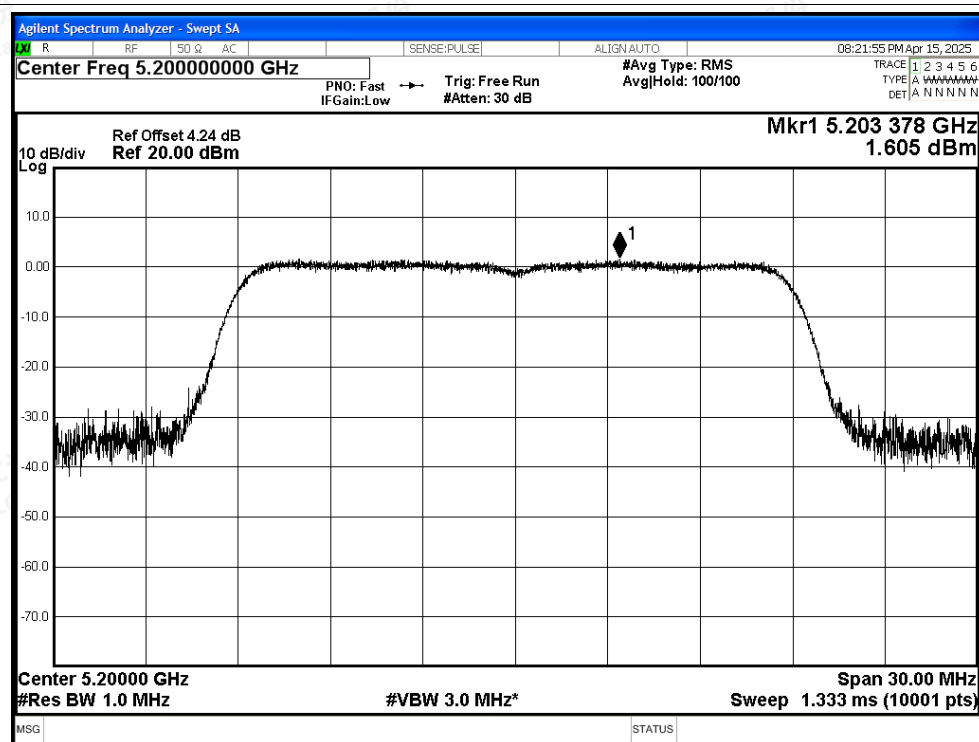
PSD NVNT a 5200MHz Ant



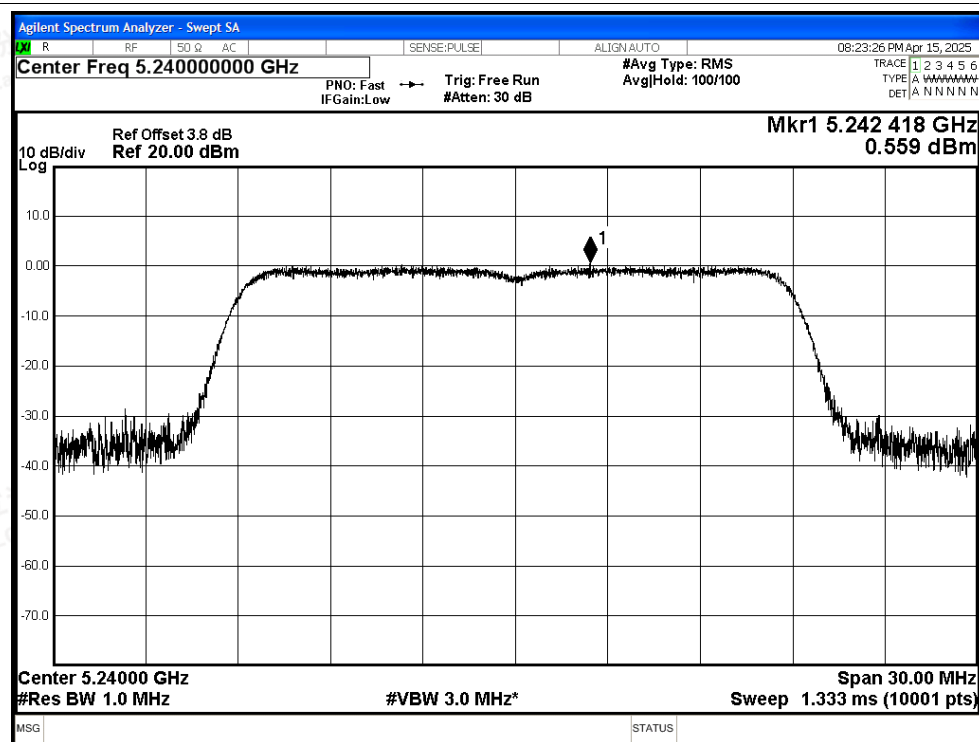




PSD NVNT n20 5200MHz Ant



PSD NVNT n20 5240MHz Ant

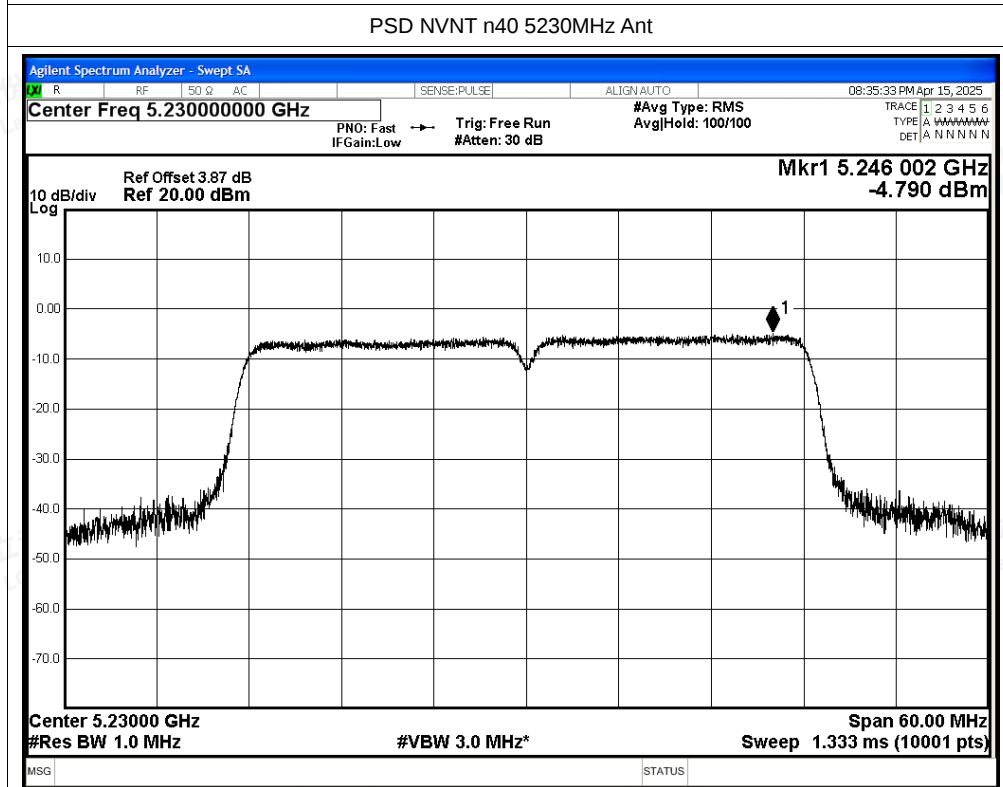
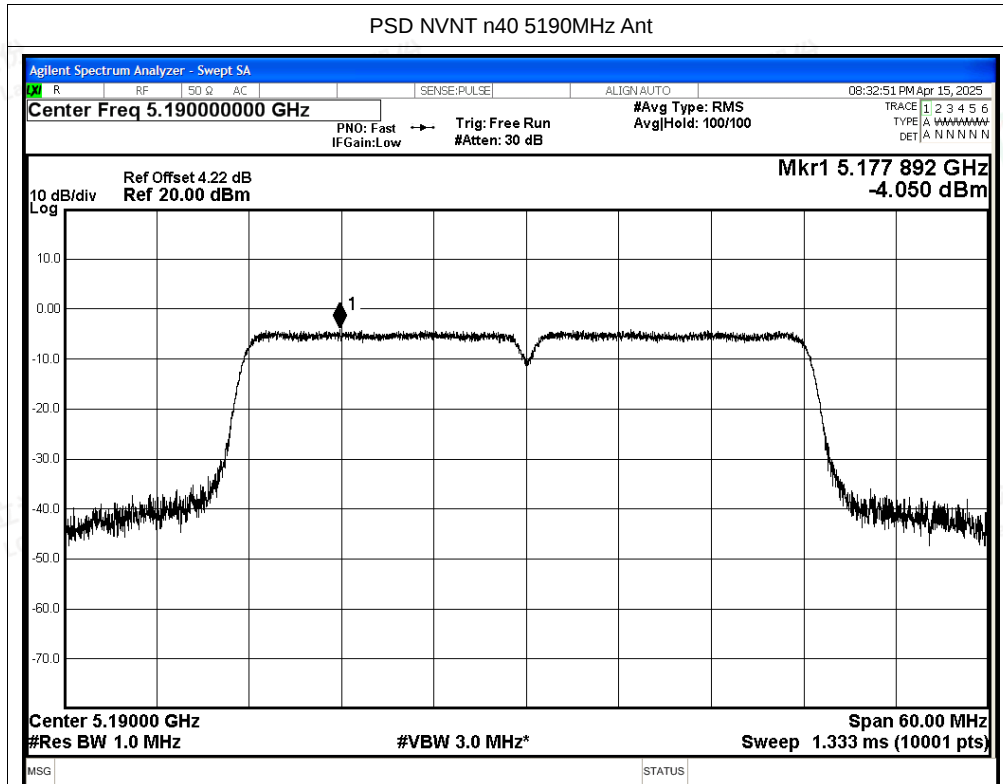


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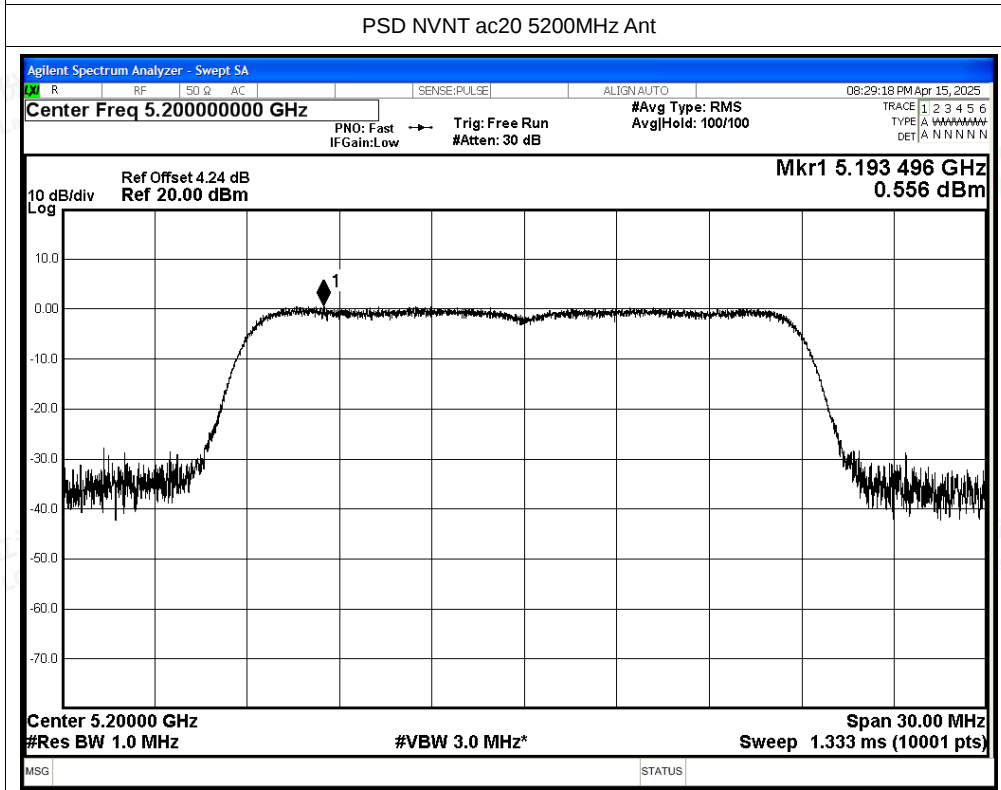
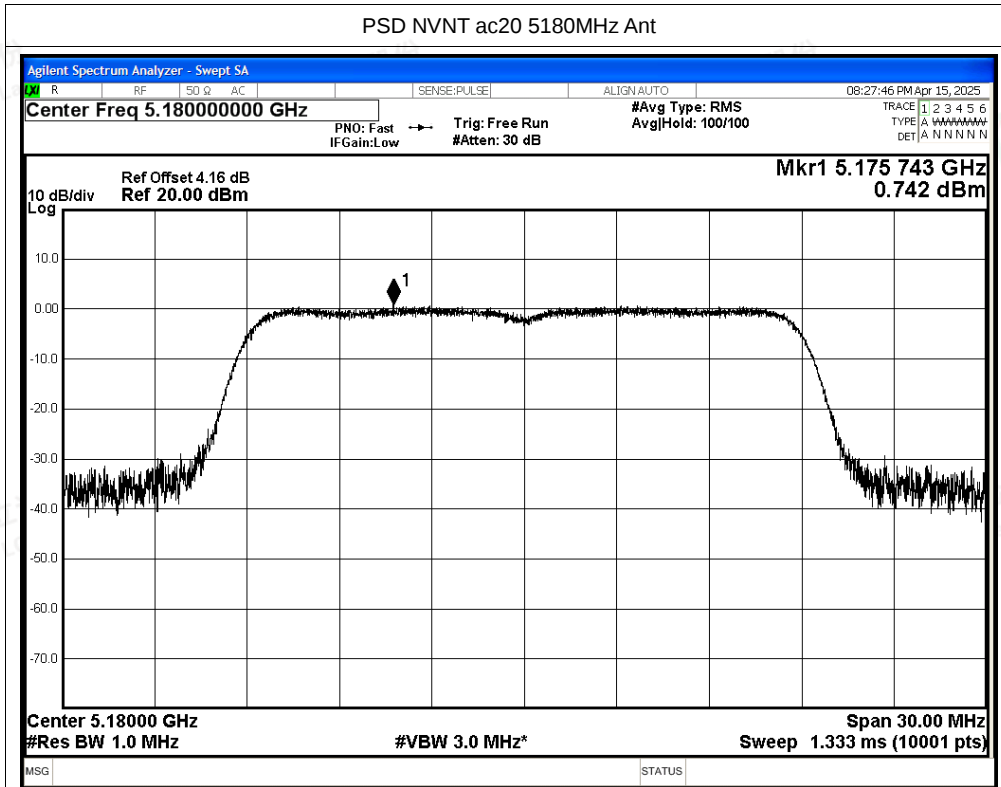


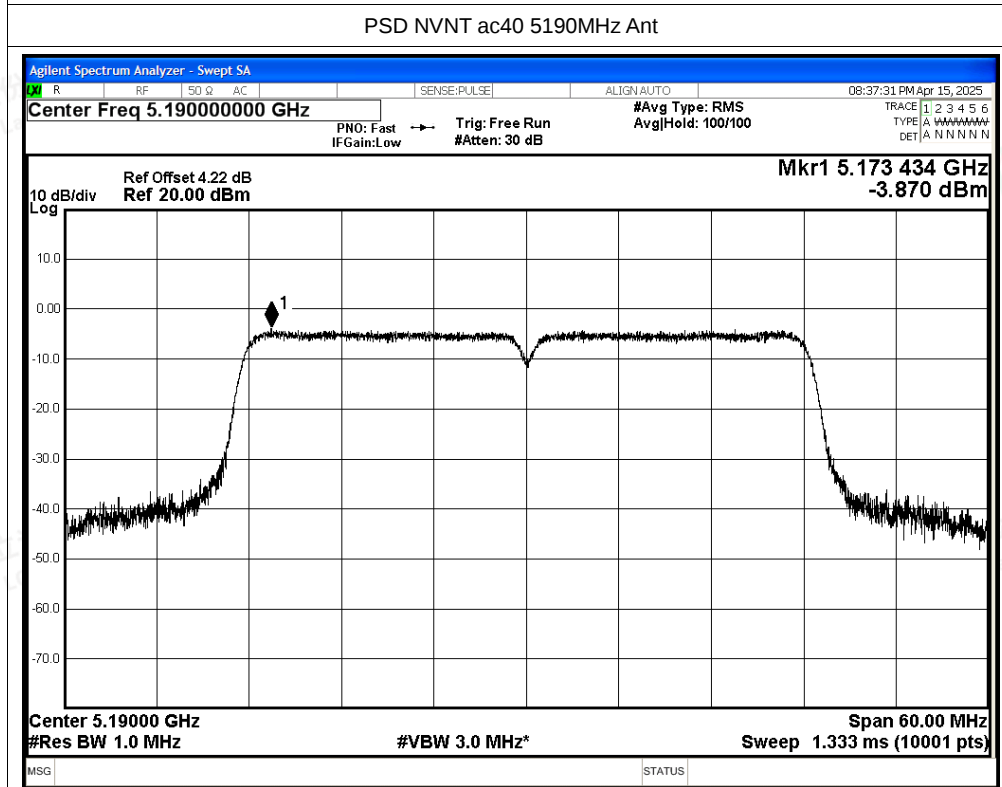
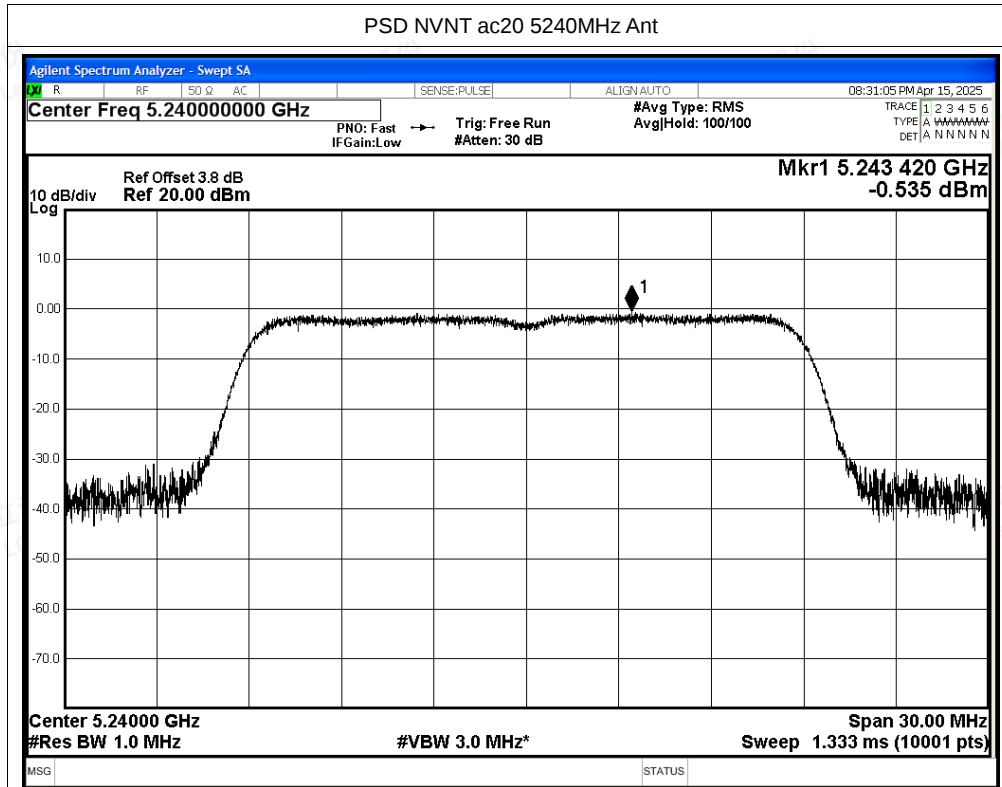
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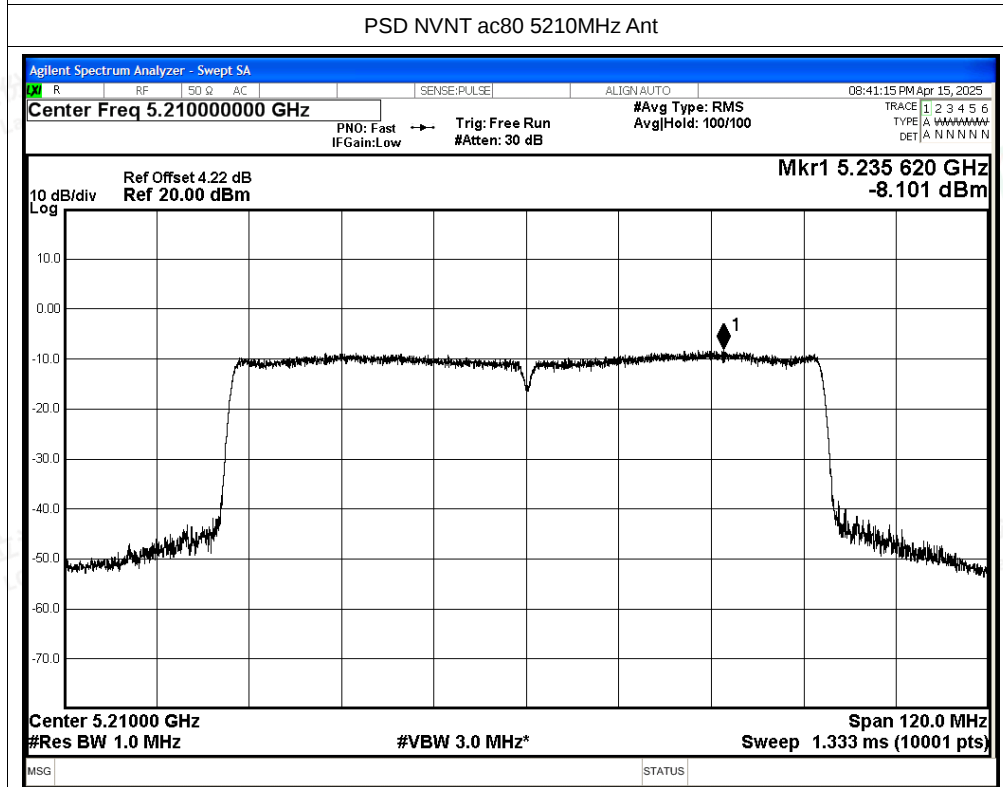
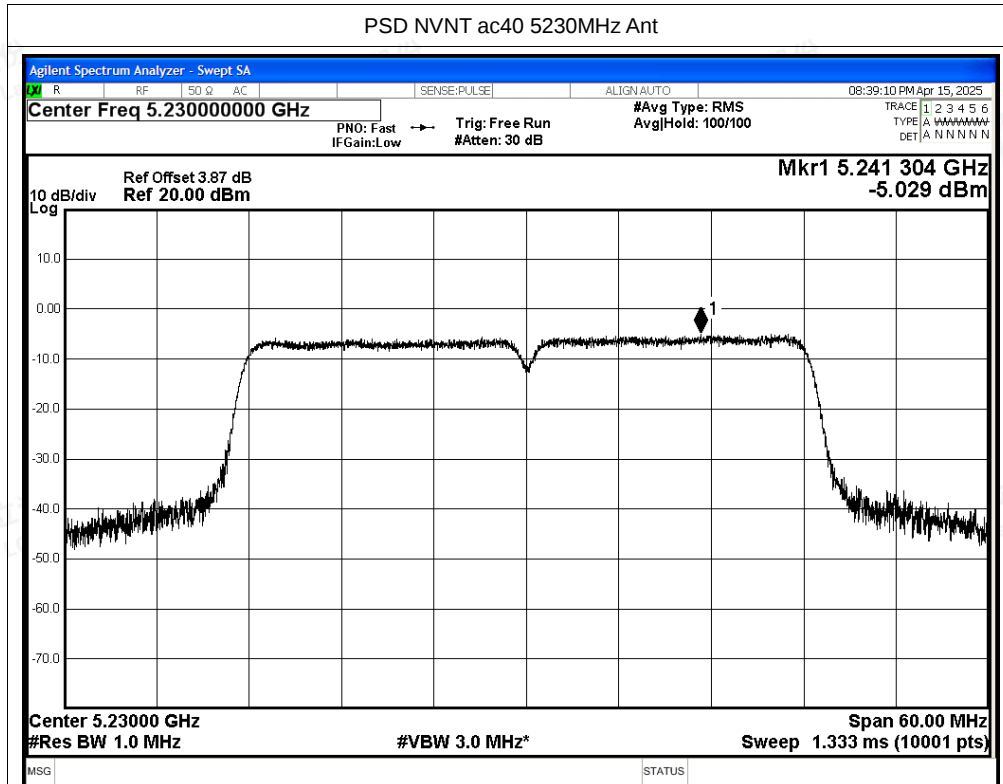
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## D.4 Restrict Band

| 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    | 5180            | Ant     | 4500            | -47.47      | 2          | -                | 49.76      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5180            | Ant     | 4500            | -58.25      | 2          | 0.24             | 39.22      | Average  | 54             | Pass    |
| NVNT      | a    | 5180            | Ant     | 5149.6          | -32.33      | 2          | -                | 64.9       | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5180            | Ant     | 5149.6          | -49.2       | 2          | 0.24             | 48.27      | Average  | 54             | Pass    |
| NVNT      | a    | 5180            | Ant     | 5150            | -32.4       | 2          | -                | 64.83      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5180            | Ant     | 5150            | -50.62      | 2          | 0.24             | 46.85      | Average  | 54             | Pass    |
| NVNT      | a    | 5240            | Ant     | 5350            | -49.2       | 2          | -                | 48.03      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5240            | Ant     | 5350            | -56.35      | 2          | 0.24             | 41.12      | Average  | 54             | Pass    |
| NVNT      | a    | 5240            | Ant     | 5446.32         | -45.49      | 2          | -                | 51.74      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5240            | Ant     | 5351.28         | -56.14      | 2          | 0.24             | 41.33      | Average  | 54             | Pass    |
| NVNT      | a    | 5240            | Ant     | 5460            | -49.44      | 2          | -                | 47.79      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5240            | Ant     | 5460            | -56.75      | 2          | 0.24             | 40.72      | Average  | 54             | Pass    |
| NVNT      | n20  | 5180            | Ant     | 4500            | -48.83      | 2          | -                | 48.4       | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5180            | Ant     | 4500            | -57.91      | 2          | 0                | 39.32      | Average  | 54             | Pass    |
| NVNT      | n20  | 5180            | Ant     | 5148.2          | -30.45      | 2          | -                | 66.78      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5180            | Ant     | 5148.9          | -47.58      | 2          | 0                | 49.65      | Average  | 54             | Pass    |
| NVNT      | n20  | 5180            | Ant     | 5150            | -31.66      | 2          | -                | 65.57      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5180            | Ant     | 5150            | -47.13      | 2          | 0                | 50.1       | Average  | 54             | Pass    |
| NVNT      | n20  | 5240            | Ant     | 5350            | -49.82      | 2          | -                | 47.41      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5240            | Ant     | 5350            | -56.59      | 2          | 0                | 40.64      | Average  | 54             | Pass    |
| NVNT      | n20  | 5240            | Ant     | 5353.2          | -46.41      | 2          | -                | 50.82      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5240            | Ant     | 5352.24         | -55.87      | 2          | 0                | 41.36      | Average  | 54             | Pass    |
| NVNT      | n20  | 5240            | Ant     | 5460            | -49.34      | 2          | -                | 47.89      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5240            | Ant     | 5460            | -57.17      | 2          | 0                | 40.06      | Average  | 54             | Pass    |
| NVNT      | n40  | 5190            | Ant     | 4500            | -49.55      | 2          | -                | 47.68      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5190            | Ant     | 4500            | -57.47      | 2          | 0.16             | 39.92      | Average  | 54             | Pass    |
| NVNT      | n40  | 5190            | Ant     | 5148.97         | -40.1       | 2          | -                | 57.13      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5190            | Ant     | 5149.7          | -51.88      | 2          | 0.16             | 45.51      | Average  | 54             | Pass    |
| NVNT      | n40  | 5190            | Ant     | 5150            | -40.1       | 2          | -                | 57.13      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5190            | Ant     | 5150            | -51.88      | 2          | 0.16             | 45.51      | Average  | 54             | Pass    |
| NVNT      | n40  | 5230            | Ant     | 5350            | -48.8       | 2          | -                | 48.43      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5230            | Ant     | 5350            | -57.3       | 2          | 0.16             | 40.09      | Average  | 54             | Pass    |
| NVNT      | n40  | 5230            | Ant     | 5438.94         | -46.06      | 2          | -                | 51.17      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5230            | Ant     | 5397.09         | -56.39      | 2          | 0.16             | 41         | Average  | 54             | Pass    |
| NVNT      | n40  | 5230            | Ant     | 5460            | -49.96      | 2          | -                | 47.27      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5230            | Ant     | 5460            | -57.69      | 2          | 0.16             | 39.7       | Average  | 54             | Pass    |
| NVNT      | ac20 | 5180            | Ant     | 4500            | -50.19      | 2          | -                | 47.04      | Peak     | 68.2           | Pass    |
| NVNT      | ac20 | 5180            | Ant     | 4500            | -57.3       | 2          | 0                | 39.93      | Average  | 54             | Pass    |



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|      |      |      |     |         |        |   |      |       |         |      |      |
|------|------|------|-----|---------|--------|---|------|-------|---------|------|------|
| NVNT | ac20 | 5180 | Ant | 5149.6  | -36.45 | 2 | -    | 60.78 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5180 | Ant | 5149.6  | -50.45 | 2 | 0    | 46.78 | Average | 54   | Pass |
| NVNT | ac20 | 5180 | Ant | 5150    | -37.74 | 2 | -    | 59.49 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5180 | Ant | 5150    | -50.9  | 2 | 0    | 46.33 | Average | 54   | Pass |
| NVNT | ac20 | 5240 | Ant | 5350    | -48.81 | 2 | -    | 48.42 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5240 | Ant | 5350    | -57.15 | 2 | 0    | 40.08 | Average | 54   | Pass |
| NVNT | ac20 | 5240 | Ant | 5434.32 | -45.64 | 2 | -    | 51.59 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5240 | Ant | 5351.28 | -56.26 | 2 | 0    | 40.97 | Average | 54   | Pass |
| NVNT | ac20 | 5240 | Ant | 5460    | -49.48 | 2 | -    | 47.75 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5240 | Ant | 5460    | -57.67 | 2 | 0    | 39.56 | Average | 54   | Pass |
| NVNT | ac40 | 5190 | Ant | 4500    | -49.25 | 2 | -    | 47.98 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5190 | Ant | 4500    | -58    | 2 | 0.16 | 39.39 | Average | 54   | Pass |
| NVNT | ac40 | 5190 | Ant | 5147.51 | -34.18 | 2 | -    | 63.05 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5190 | Ant | 5149.7  | -49.39 | 2 | 0.16 | 48    | Average | 54   | Pass |
| NVNT | ac40 | 5190 | Ant | 5150    | -38.67 | 2 | -    | 58.56 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5190 | Ant | 5150    | -49.39 | 2 | 0.16 | 48    | Average | 54   | Pass |
| NVNT | ac40 | 5230 | Ant | 5350    | -48.95 | 2 | -    | 48.28 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5230 | Ant | 5350    | -56.51 | 2 | 0.16 | 40.88 | Average | 54   | Pass |
| NVNT | ac40 | 5230 | Ant | 5459.46 | -46.37 | 2 | -    | 50.86 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5230 | Ant | 5356.86 | -56.26 | 2 | 0.16 | 41.13 | Average | 54   | Pass |
| NVNT | ac40 | 5230 | Ant | 5460    | -50.09 | 2 | -    | 47.14 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5230 | Ant | 5460    | -57.58 | 2 | 0.16 | 39.81 | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant | 5350    | -48.74 | 2 | -    | 48.49 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant | 5350    | -56.47 | 2 | 0.33 | 41.09 | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant | 5406.54 | -45.44 | 2 | -    | 51.79 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant | 5356.38 | -55.91 | 2 | 0.33 | 41.65 | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant | 5460    | -49.97 | 2 | -    | 47.26 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant | 5460    | -56.86 | 2 | 0.33 | 40.7  | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant | 4500    | -50.3  | 2 | -    | 46.93 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant | 4500    | -58.08 | 2 | 0.33 | 39.48 | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant | 5132.79 | -40.94 | 2 | -    | 56.29 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant | 5142.27 | -51.37 | 2 | 0.33 | 46.19 | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant | 5150    | -42.63 | 2 | -    | 54.6  | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant | 5150    | -51.52 | 2 | 0.33 | 46.04 | Average | 54   | Pass |



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

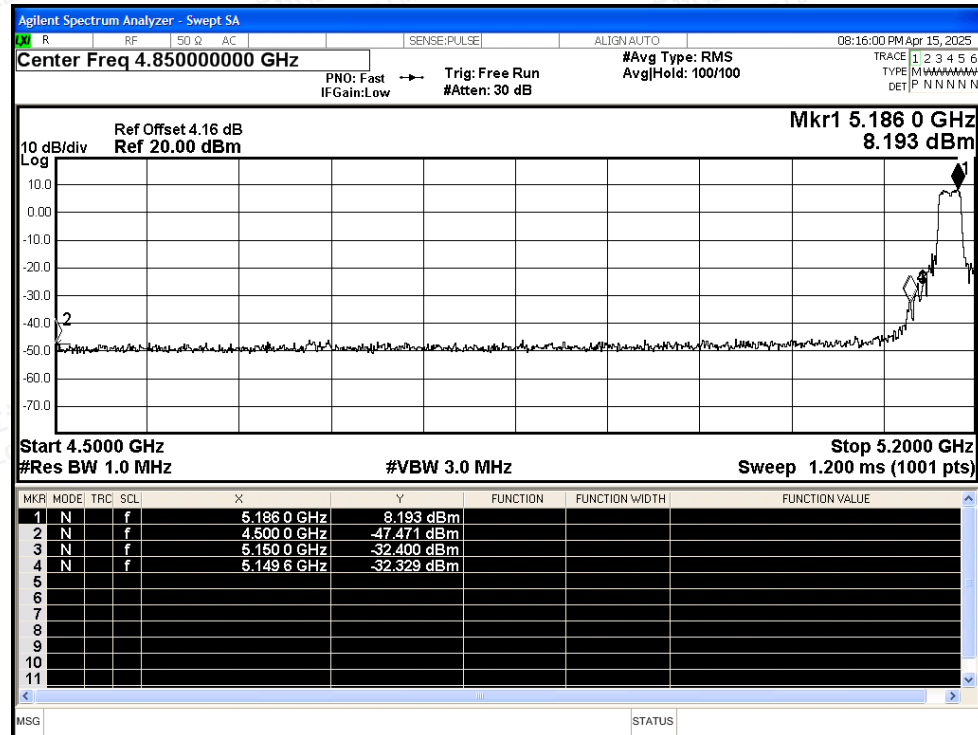
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

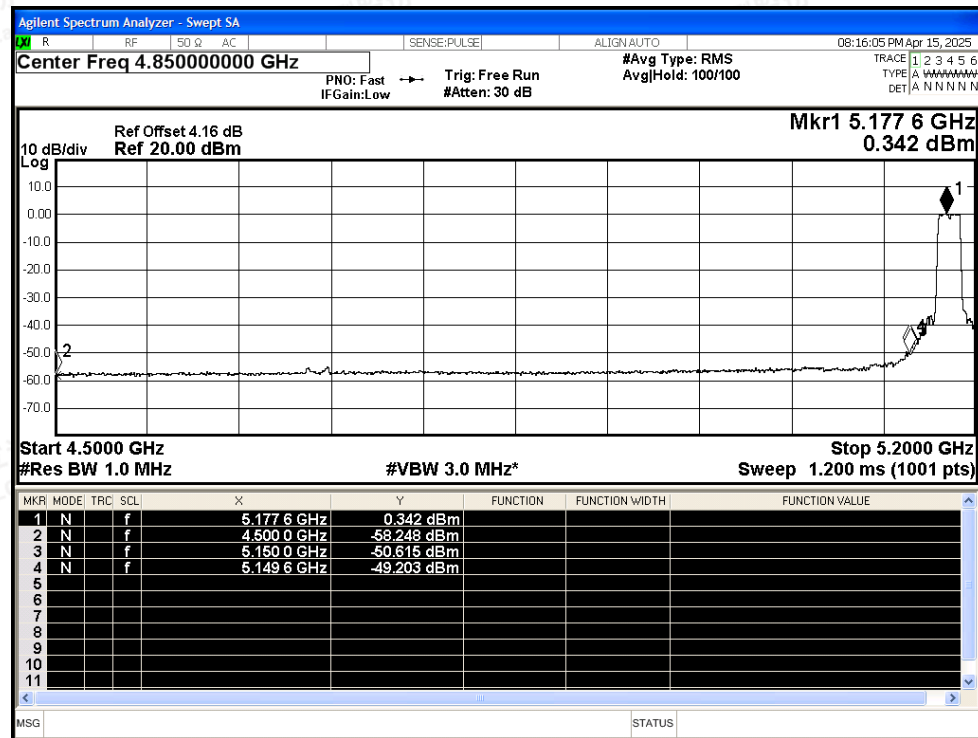


## Test Graphs

## Restrict Band NVNT a 5180MHz Ant Peak



## Restrict Band NVNT a 5180MHz Ant Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

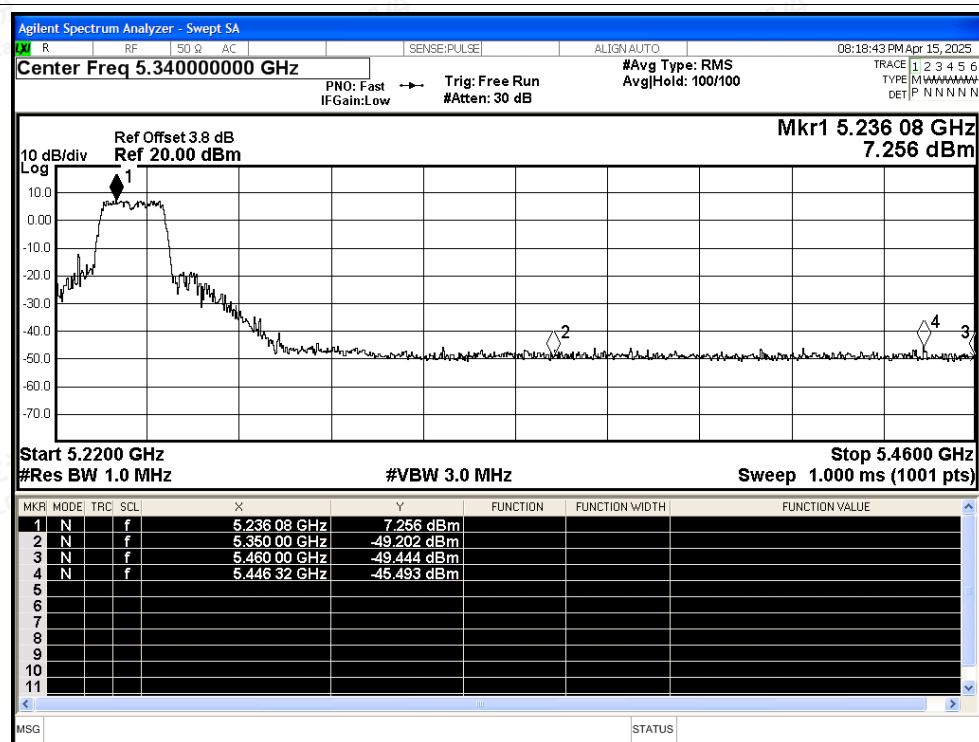
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

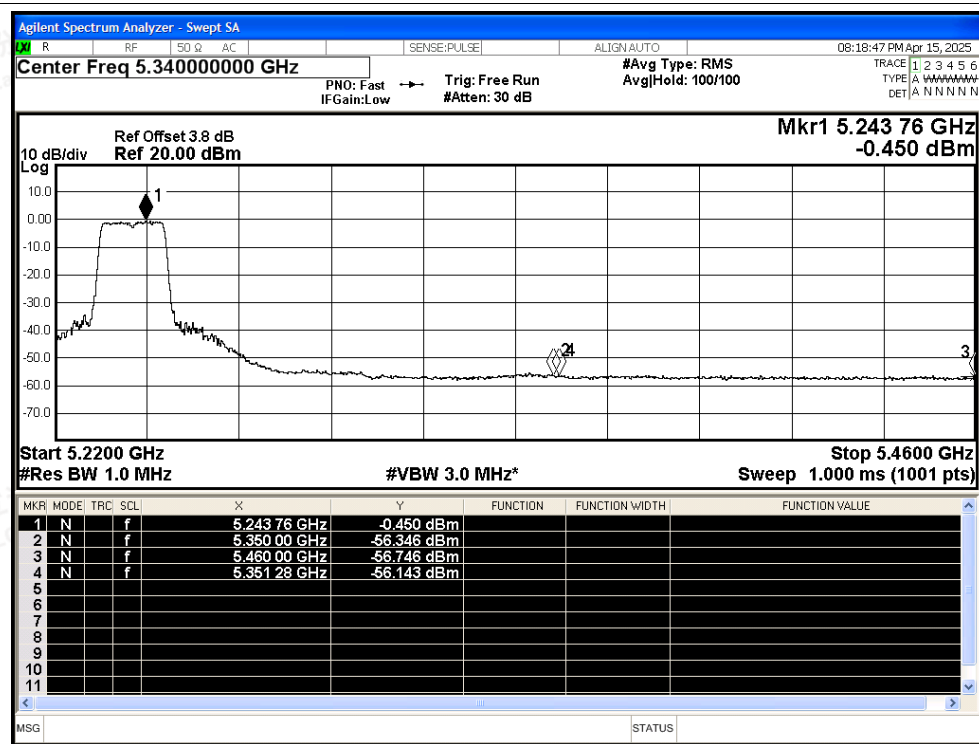
Scan code to check authenticity



## Restrict Band NVNT a 5240MHz Ant Peak



## Restrict Band NVNT a 5240MHz Ant Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

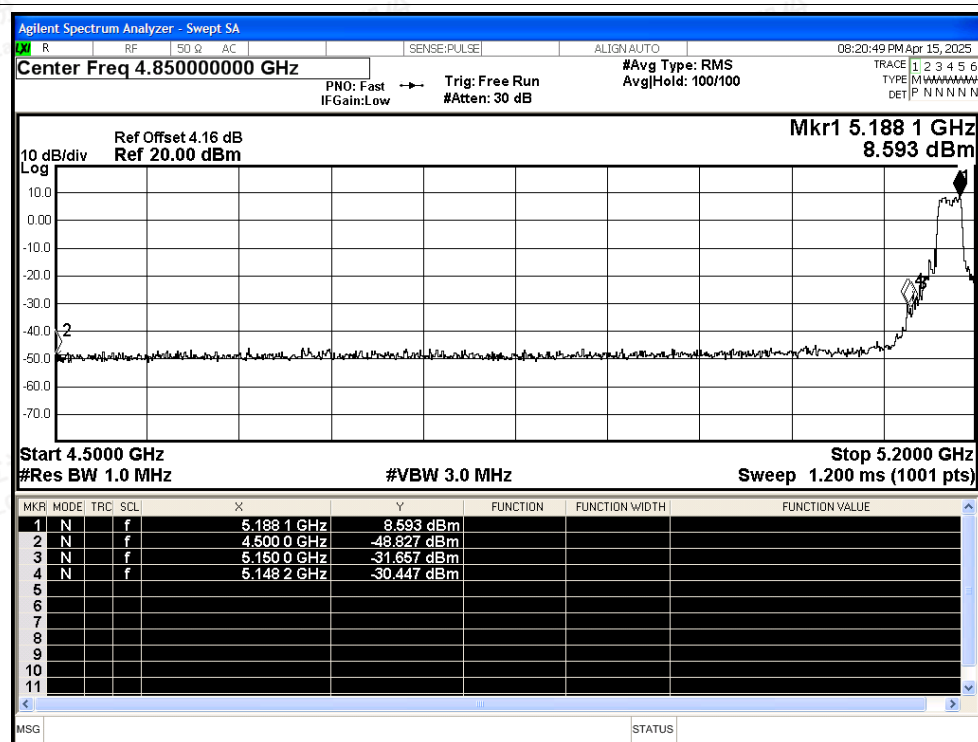
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

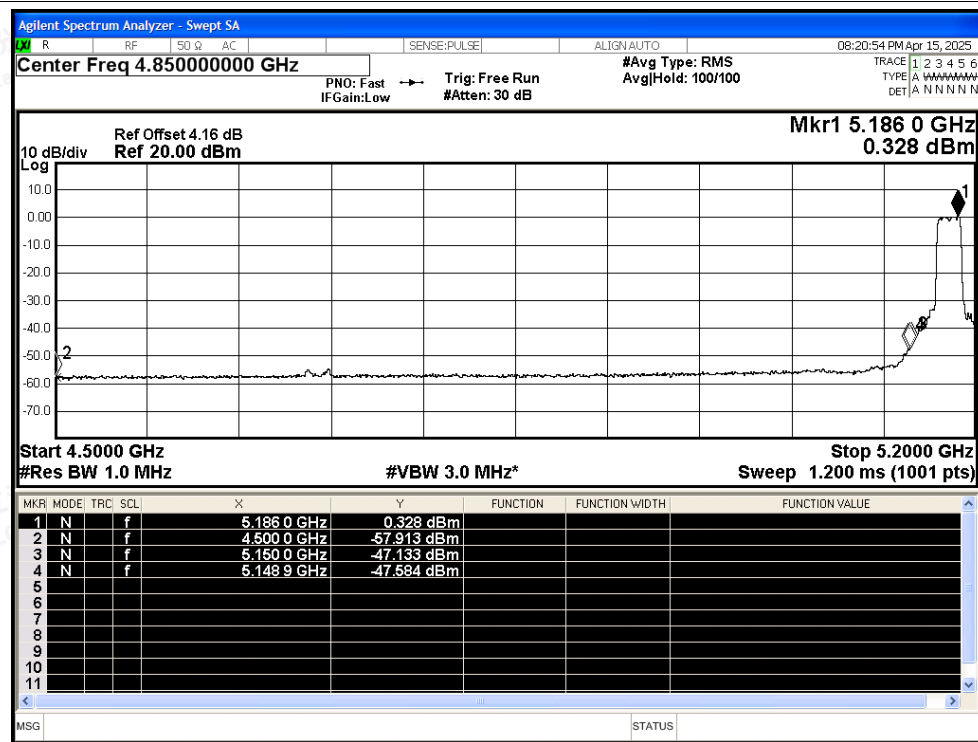
Scan code to check authenticity



## Restrict Band NVNT n20 5180MHz Ant Peak



## Restrict Band NVNT n20 5180MHz Ant Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

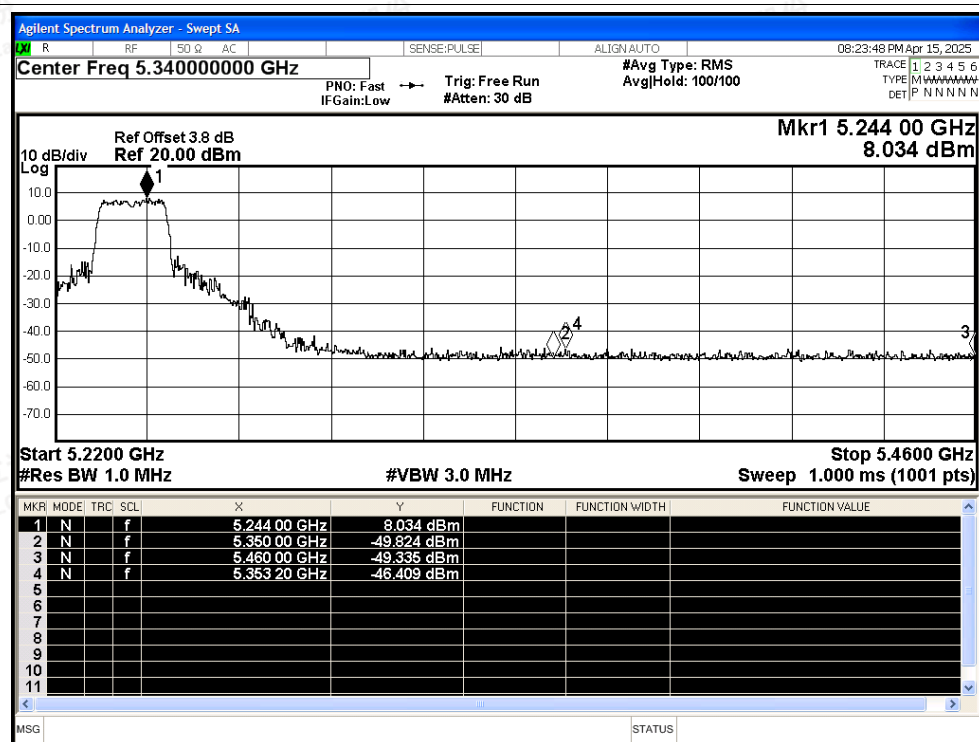
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

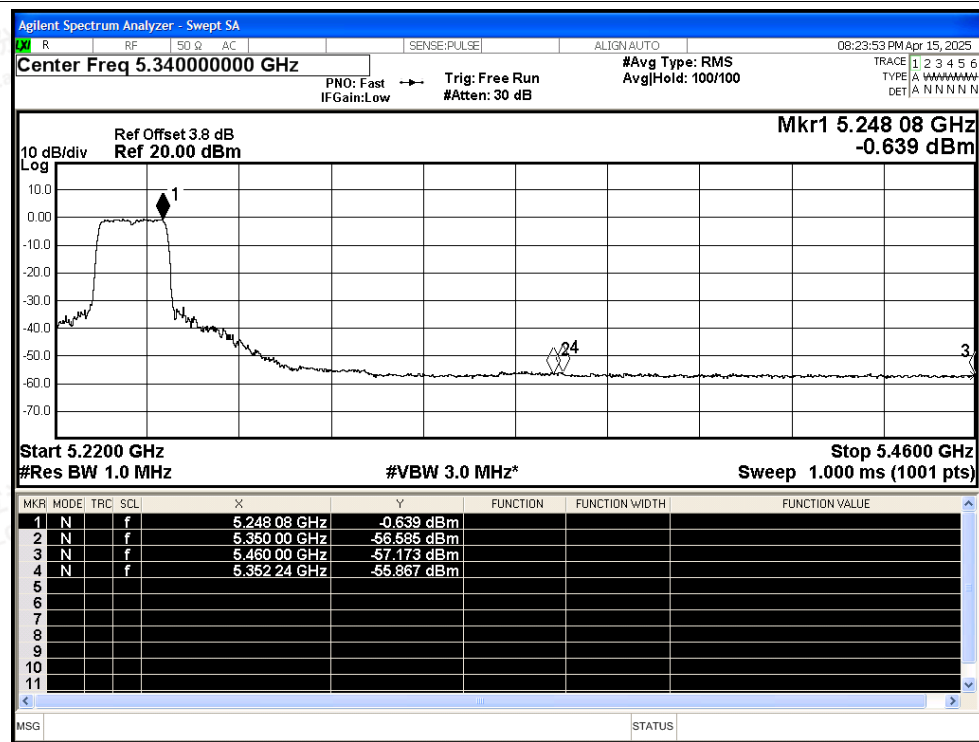
Scan code to check authenticity



## Restrict Band NVNT n20 5240MHz Ant Peak



## Restrict Band NVNT n20 5240MHz Ant Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

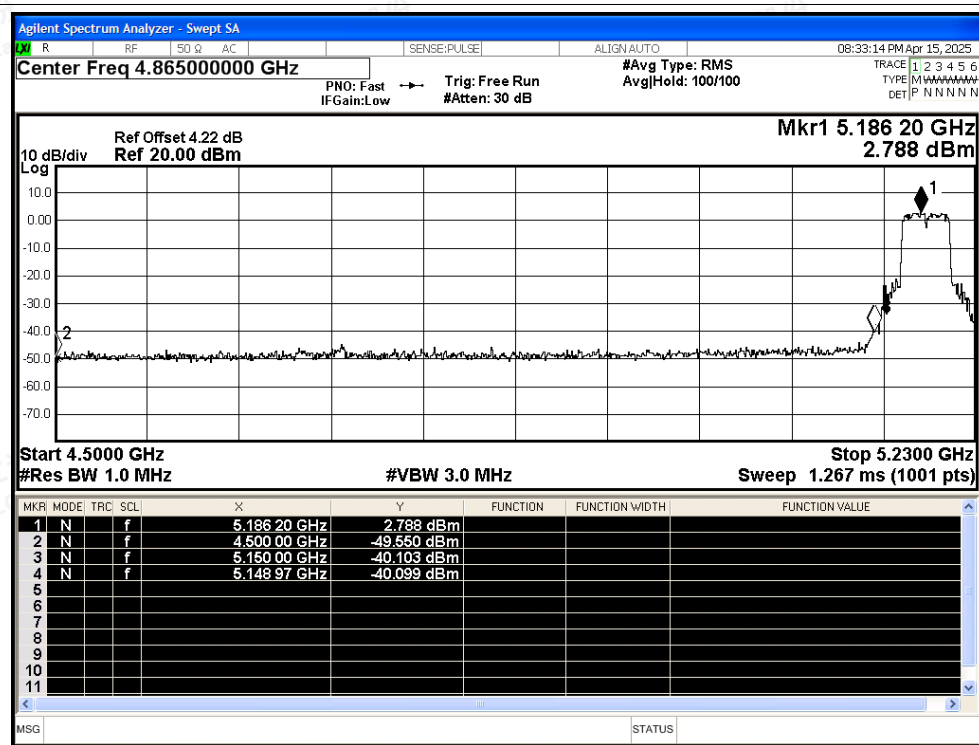
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

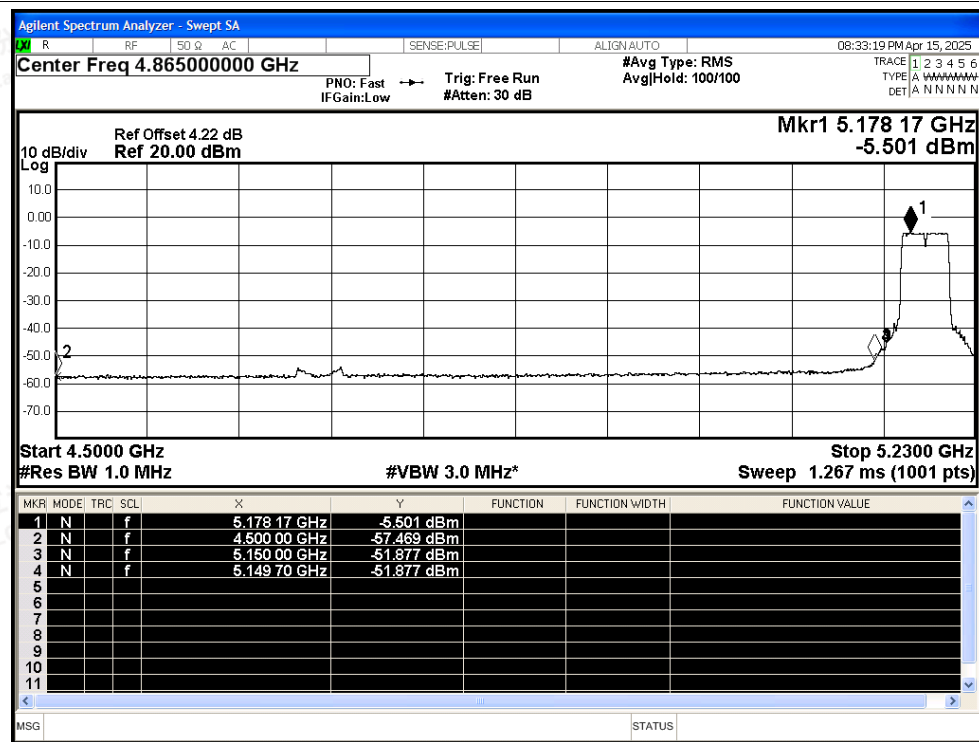
Scan code to check authenticity



## Restrict Band NVNT n40 5190MHz Ant Peak



## Restrict Band NVNT n40 5190MHz Ant Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

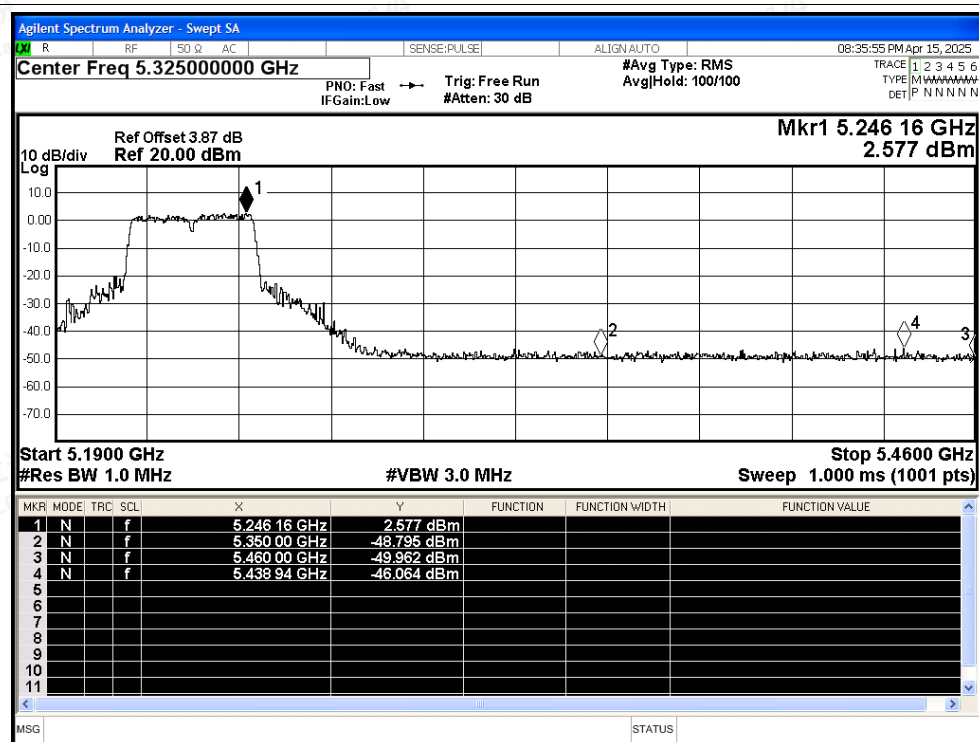
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

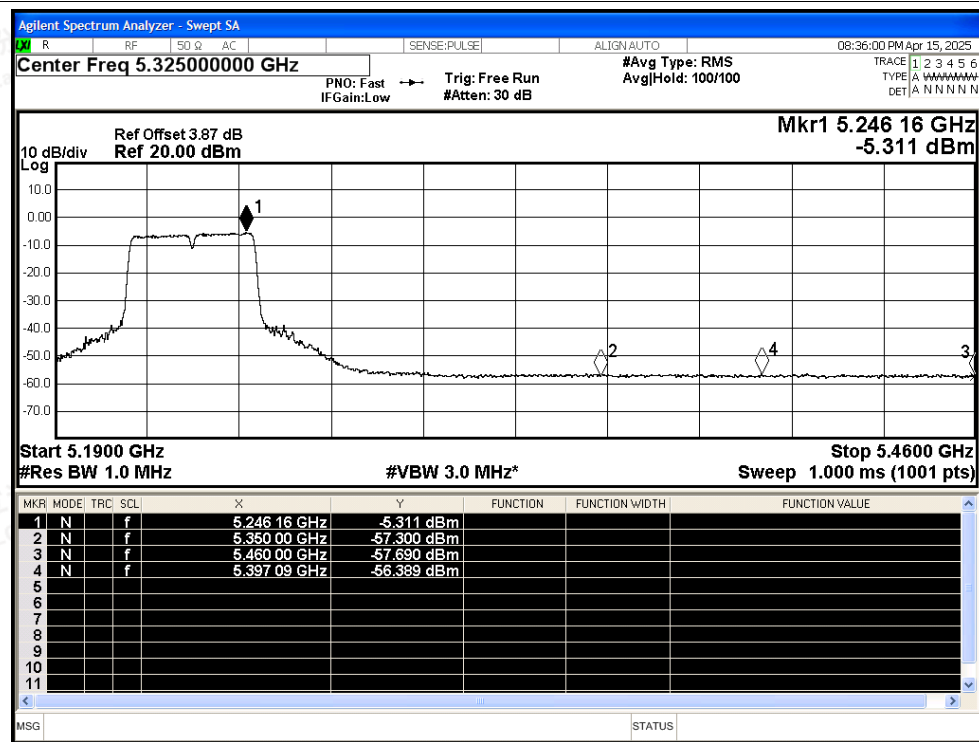
Scan code to check authenticity



## Restrict Band NVNT n40 5230MHz Ant Peak



## Restrict Band NVNT n40 5230MHz Ant Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

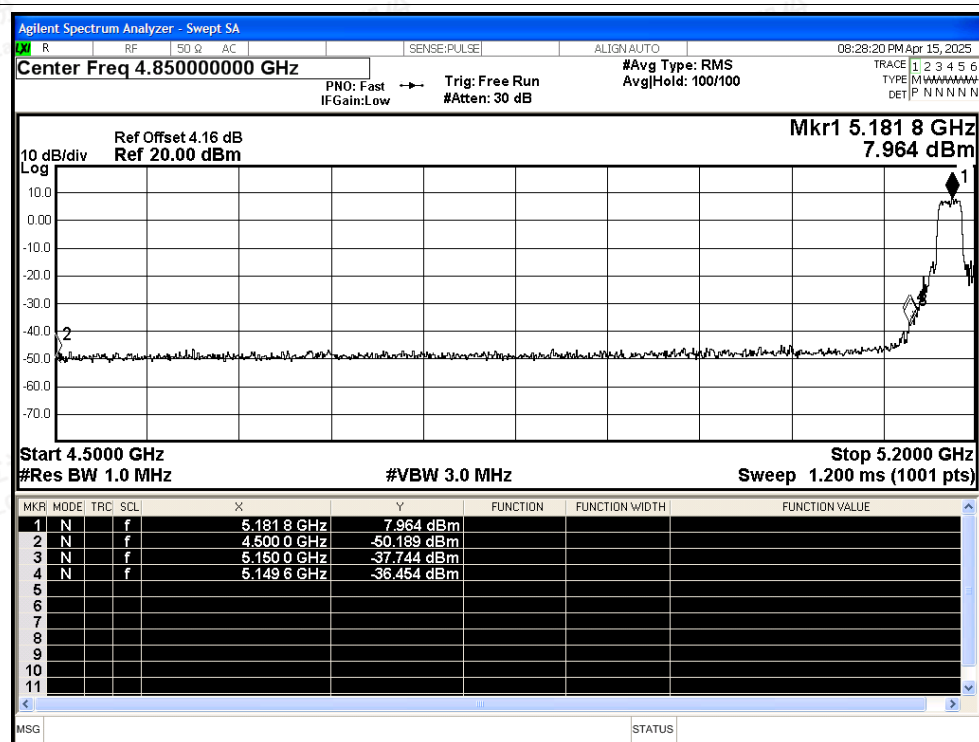
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

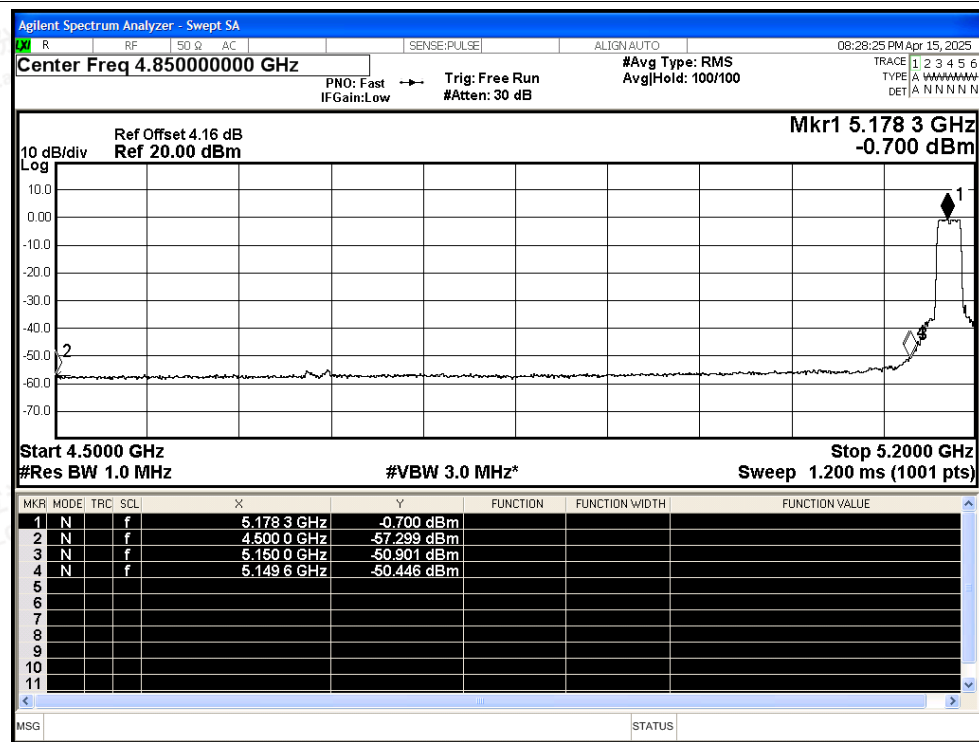
Scan code to check authenticity



## Restrict Band NVNT ac20 5180MHz Ant Peak



## Restrict Band NVNT ac20 5180MHz Ant Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

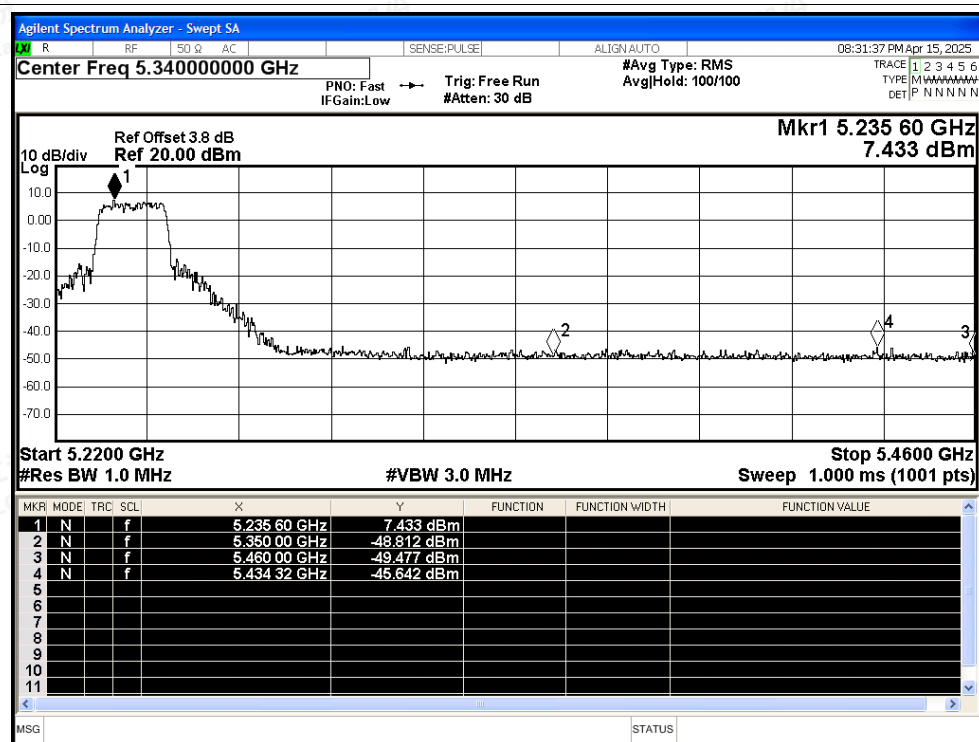
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

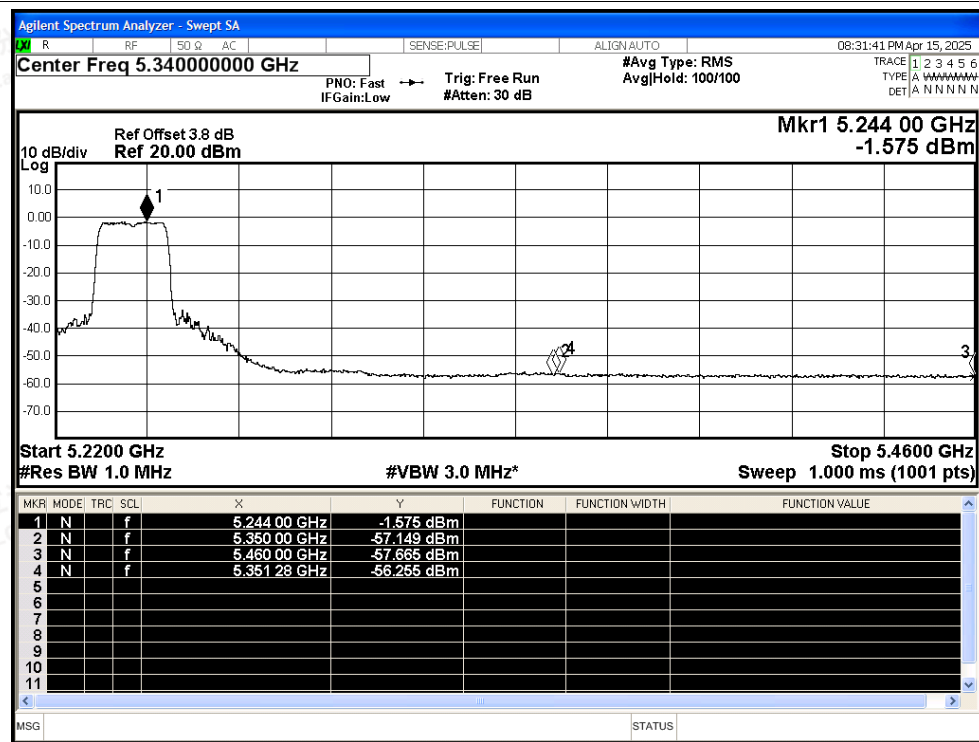
Scan code to check authenticity



## Restrict Band NVNT ac20 5240MHz Ant Peak



## Restrict Band NVNT ac20 5240MHz Ant Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

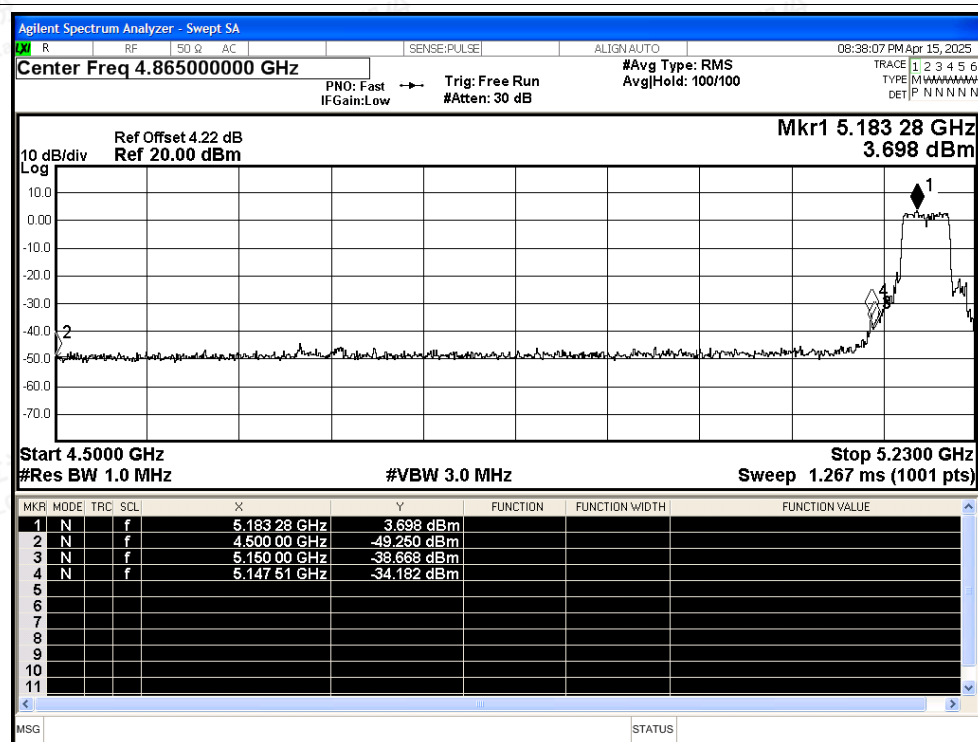
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

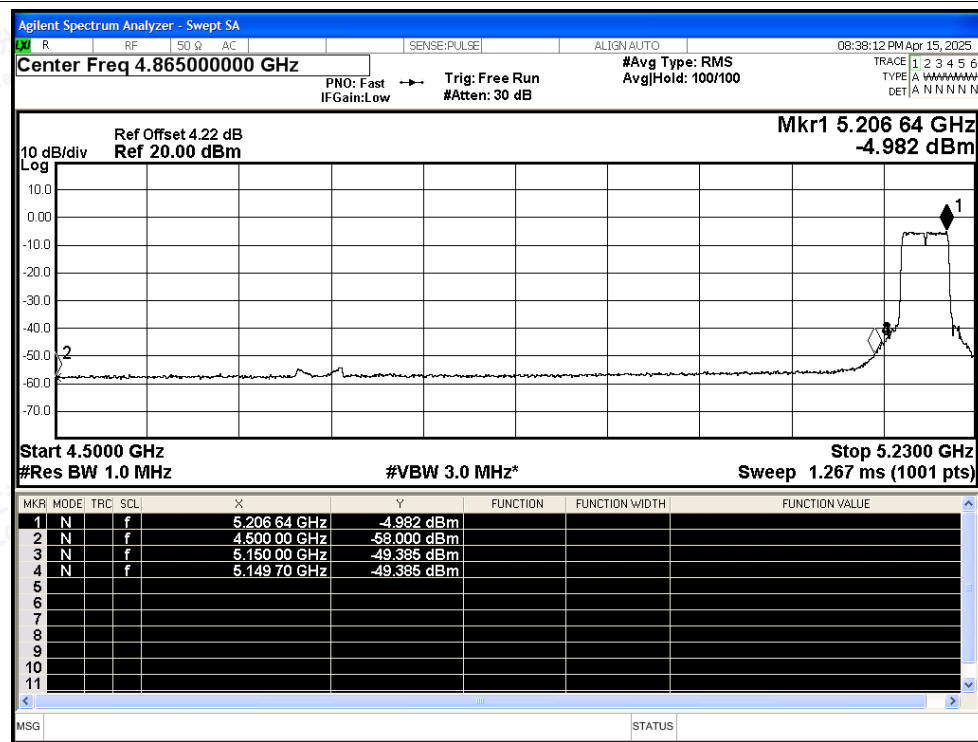
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## Restrict Band NVNT ac40 5190MHz Ant Peak



## Restrict Band NVNT ac40 5190MHz Ant Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

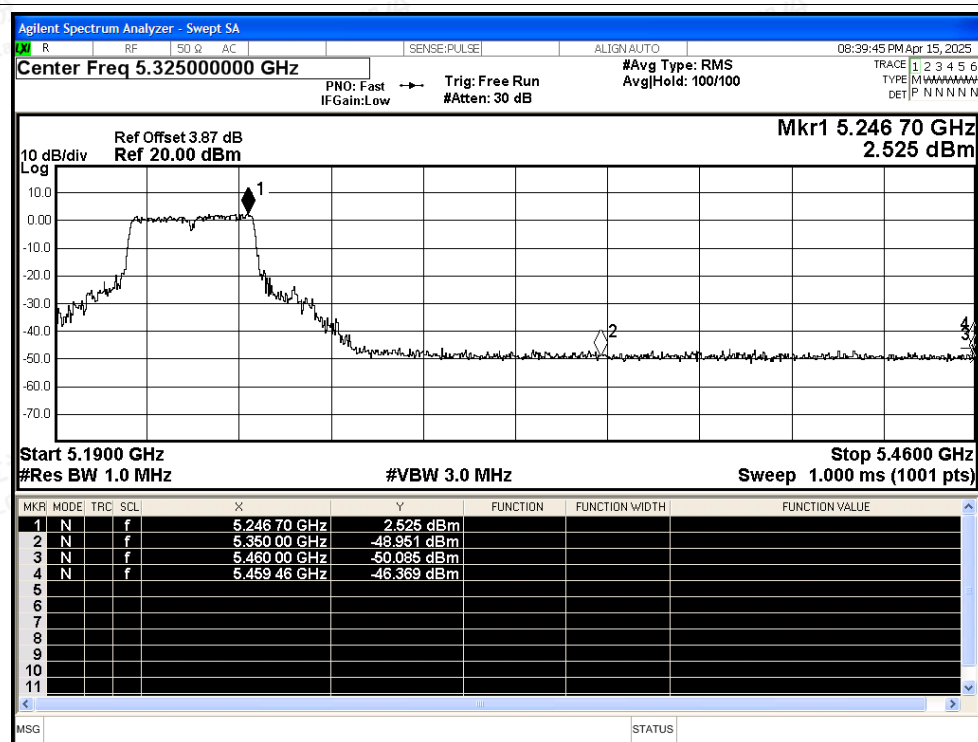
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

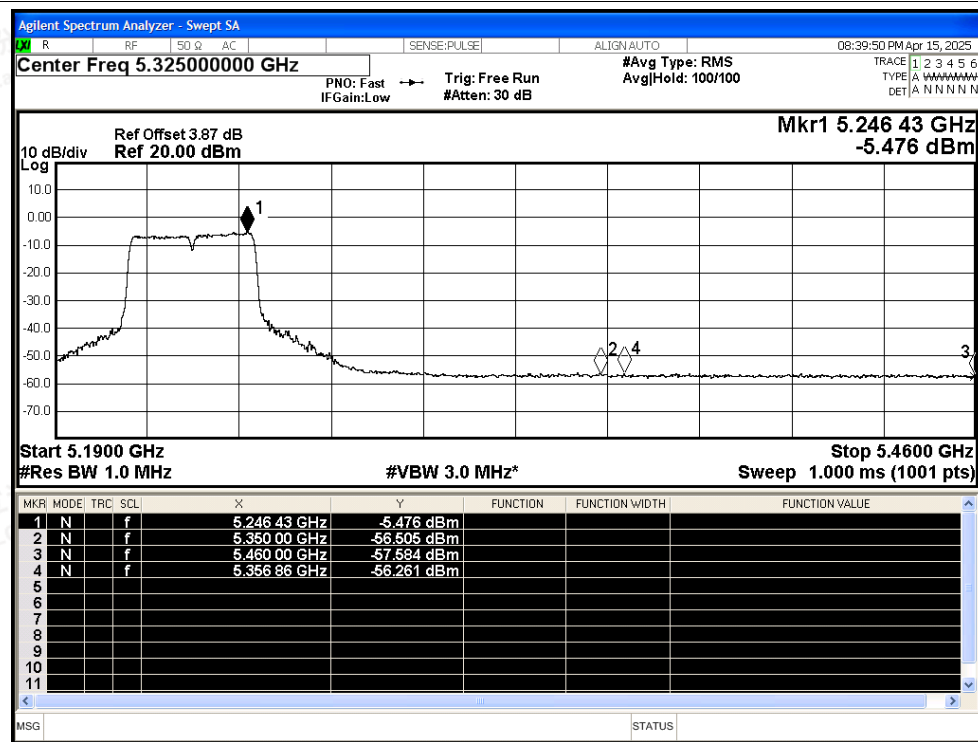
Scan code to check authenticity



## Restrict Band NVNT ac40 5230MHz Ant Peak



## Restrict Band NVNT ac40 5230MHz Ant Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

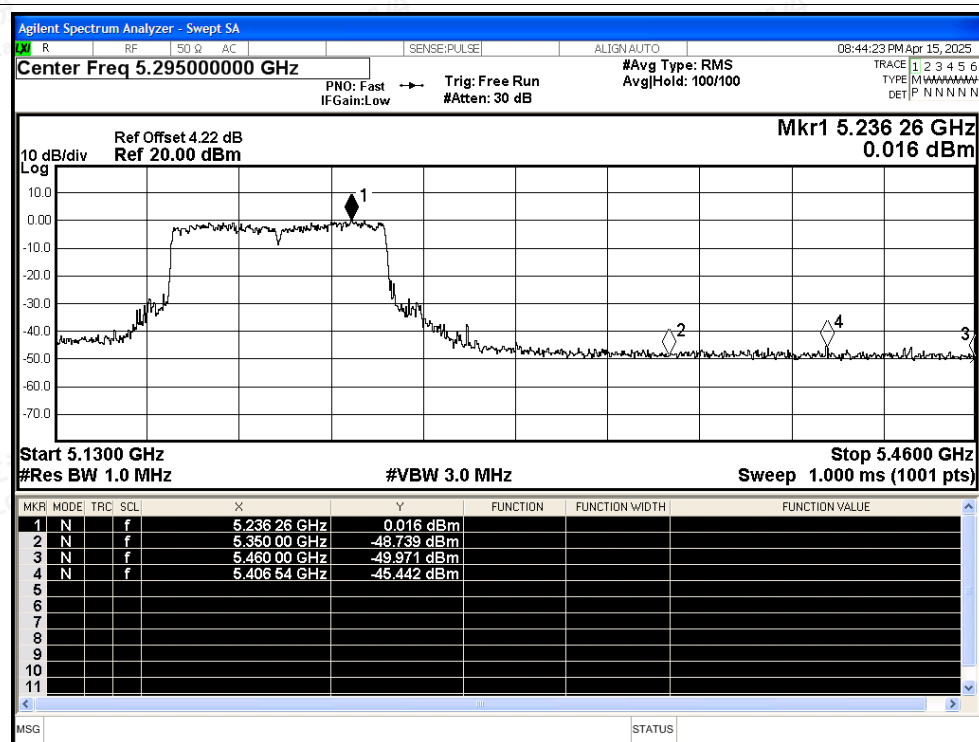
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

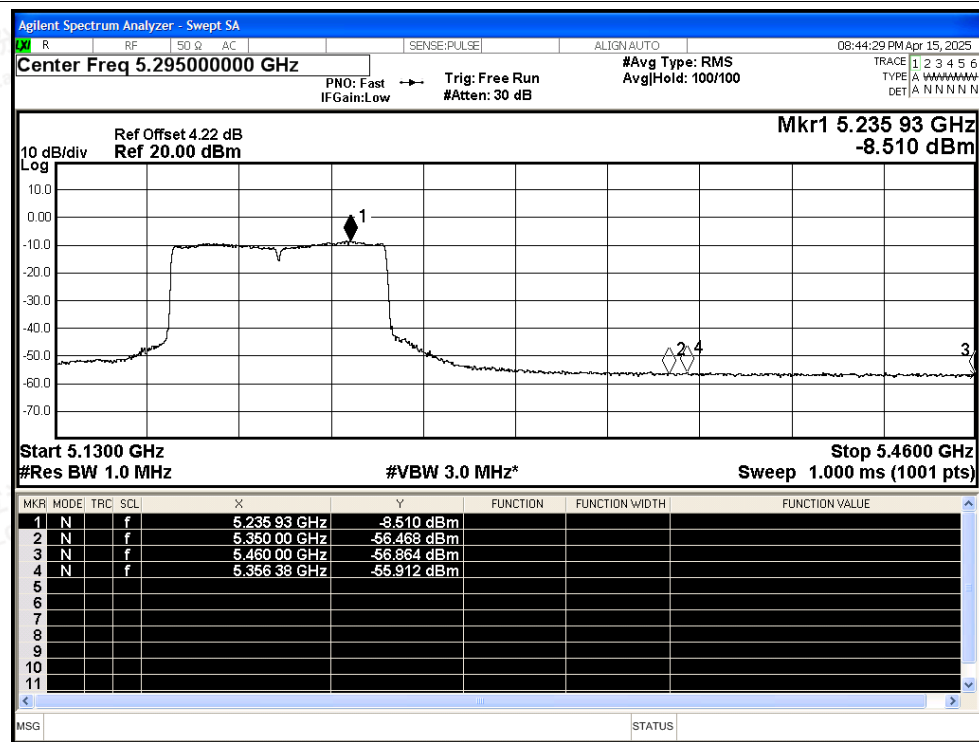
Scan code to check authenticity



## Restrict Band NVNT ac80 5210MHz Ant Peak



## Restrict Band NVNT ac80 5210MHz Ant Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

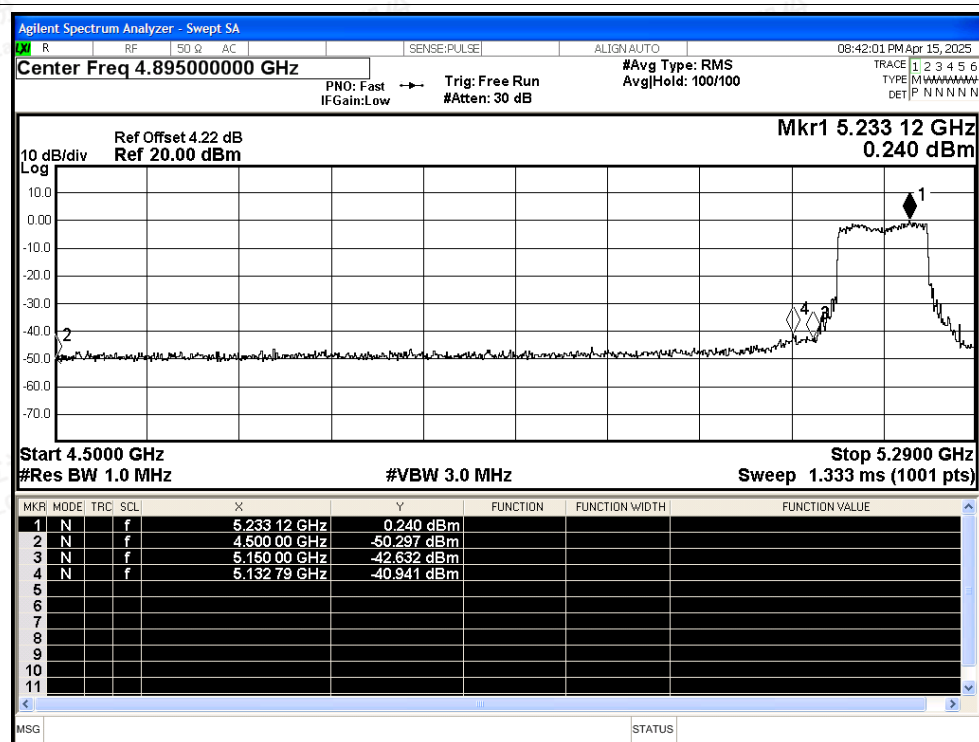
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

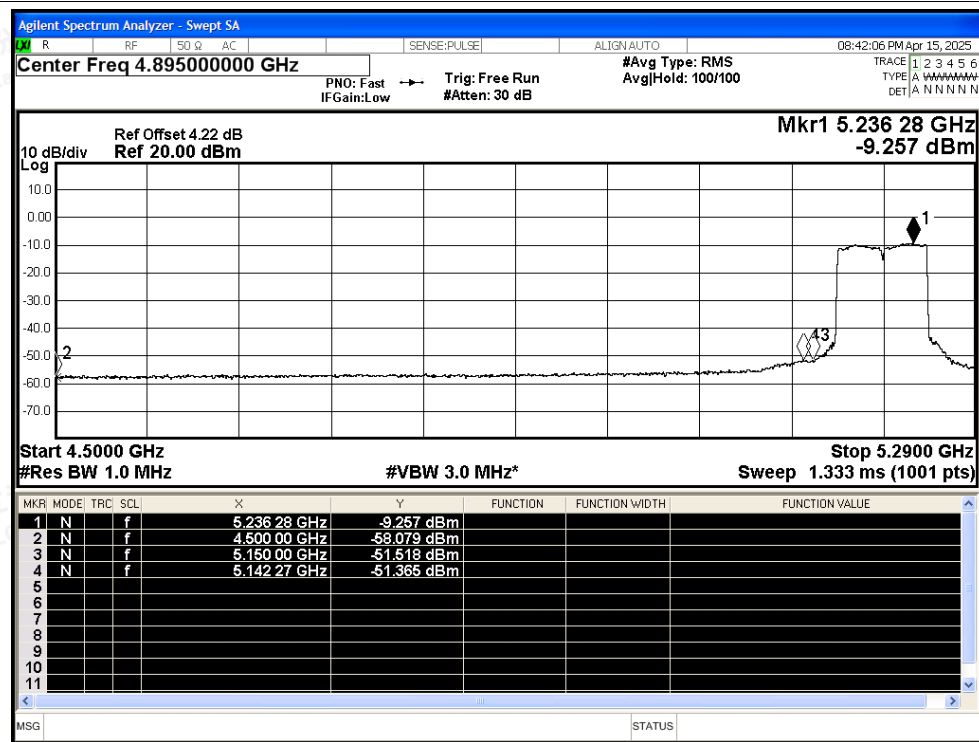
Scan code to check authenticity



## Restrict Band NVNT ac80 5210MHz Ant Peak



## Restrict Band NVNT ac80 5210MHz Ant Average



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## D.5 Frequency Stability

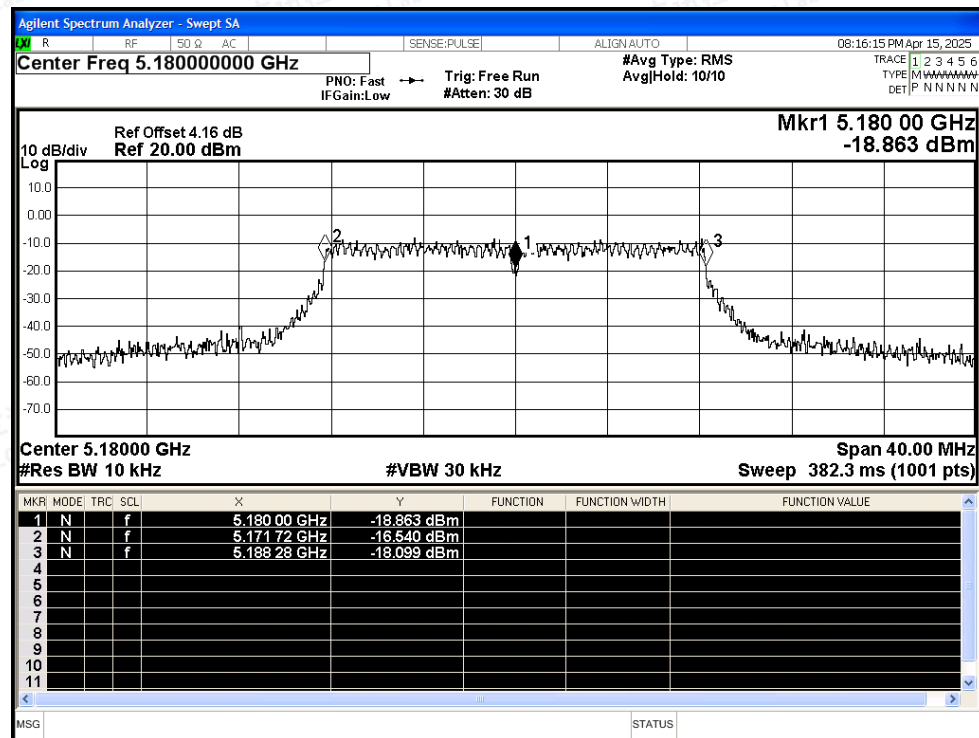
| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-----------|------|-----------------|---------|--------------------------|----------------------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant     | 5180                     | 0                    | 0               | 25          | Pass    |
| NVNT      | a    | 5200            | Ant     | 5199.98                  | -20000               | -3.85           | 25          | Pass    |
| NVNT      | a    | 5240            | Ant     | 5240                     | 0                    | 0               | 25          | Pass    |
| NVNT      | n20  | 5180            | Ant     | 5179.98                  | -20000               | -3.86           | 25          | Pass    |
| NVNT      | n20  | 5200            | Ant     | 5200                     | 0                    | 0               | 25          | Pass    |
| NVNT      | n20  | 5240            | Ant     | 5240                     | 0                    | 0               | 25          | Pass    |
| NVNT      | n40  | 5190            | Ant     | 5190                     | 0                    | 0               | 25          | Pass    |
| NVNT      | n40  | 5230            | Ant     | 5230                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5180            | Ant     | 5179.98                  | -20000               | -3.86           | 25          | Pass    |
| NVNT      | ac20 | 5200            | Ant     | 5200                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5240            | Ant     | 5240                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac40 | 5190            | Ant     | 5190                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac40 | 5230            | Ant     | 5230                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac80 | 5210            | Ant     | 5210                     | 0                    | 0               | 25          | Pass    |



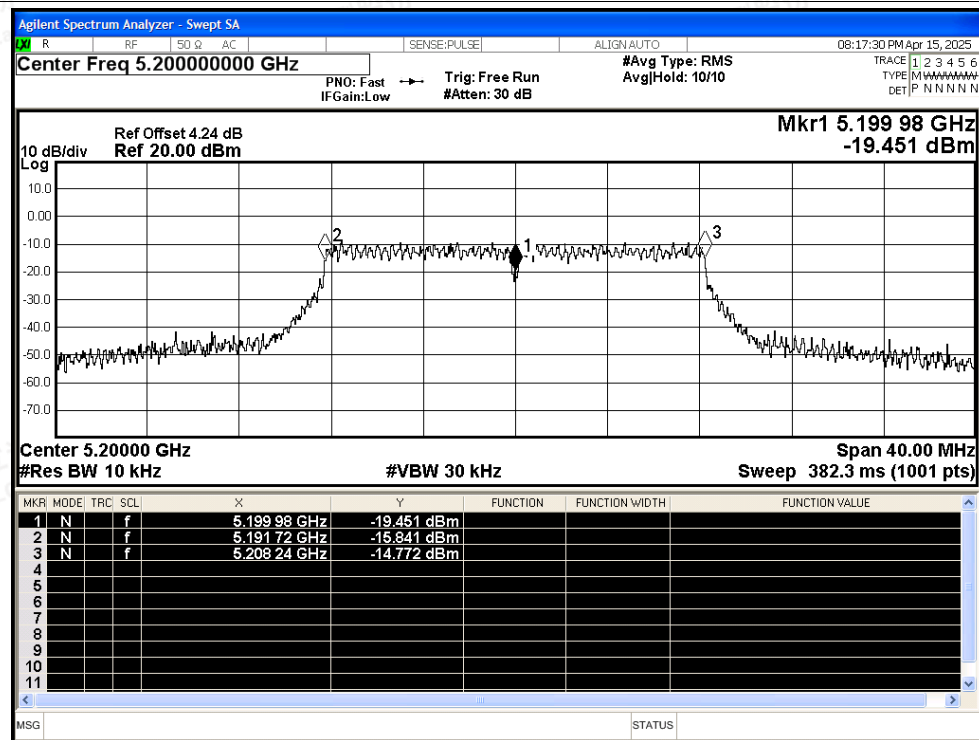


## Test Graphs

## Freq. Stability NVNT a 5180MHz Ant



## Freq. Stability NVNT a 5200MHz Ant



Shenzhen LCS Compliance Testing Laboratory Ltd.

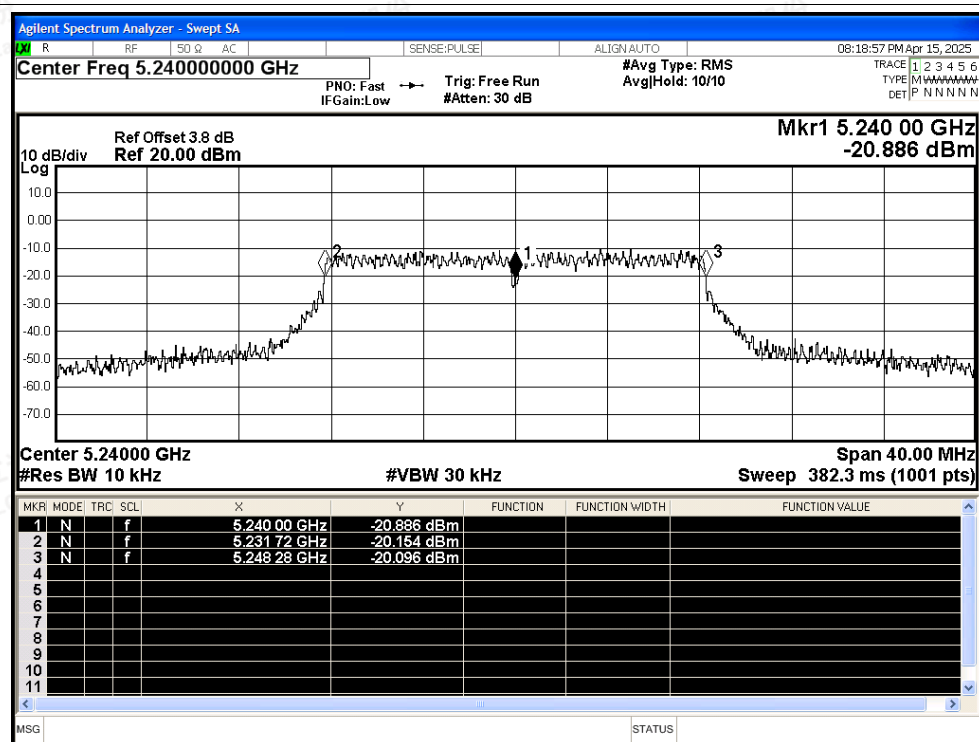
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

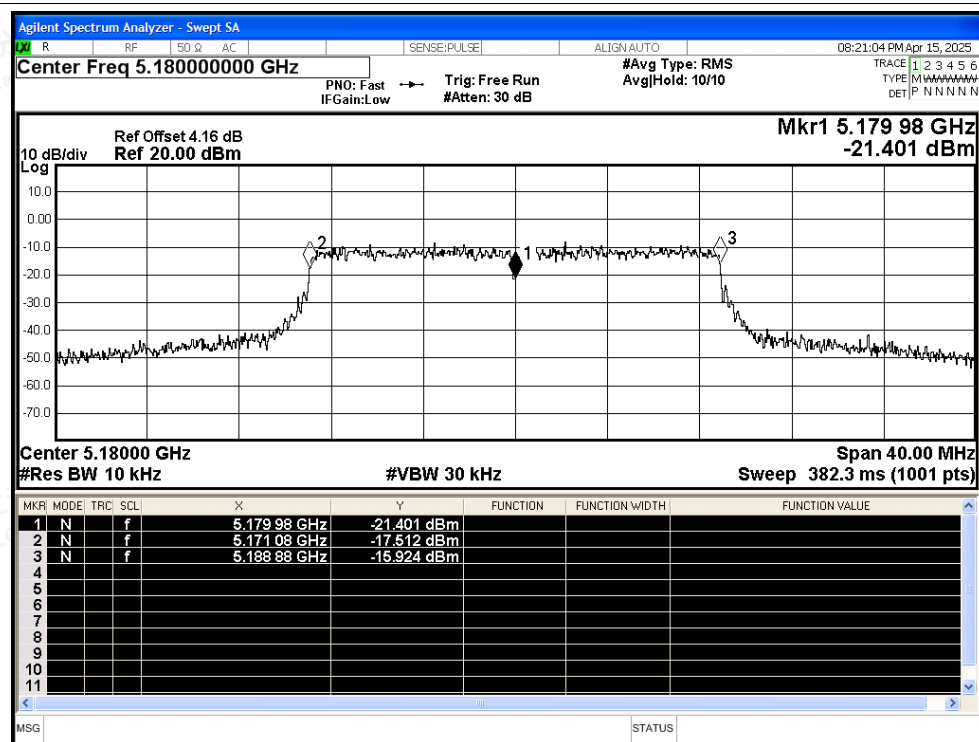
Scan code to check authenticity



## Freq. Stability NVNT a 5240MHz Ant



## Freq. Stability NVNT n20 5180MHz Ant



Shenzhen LCS Compliance Testing Laboratory Ltd.

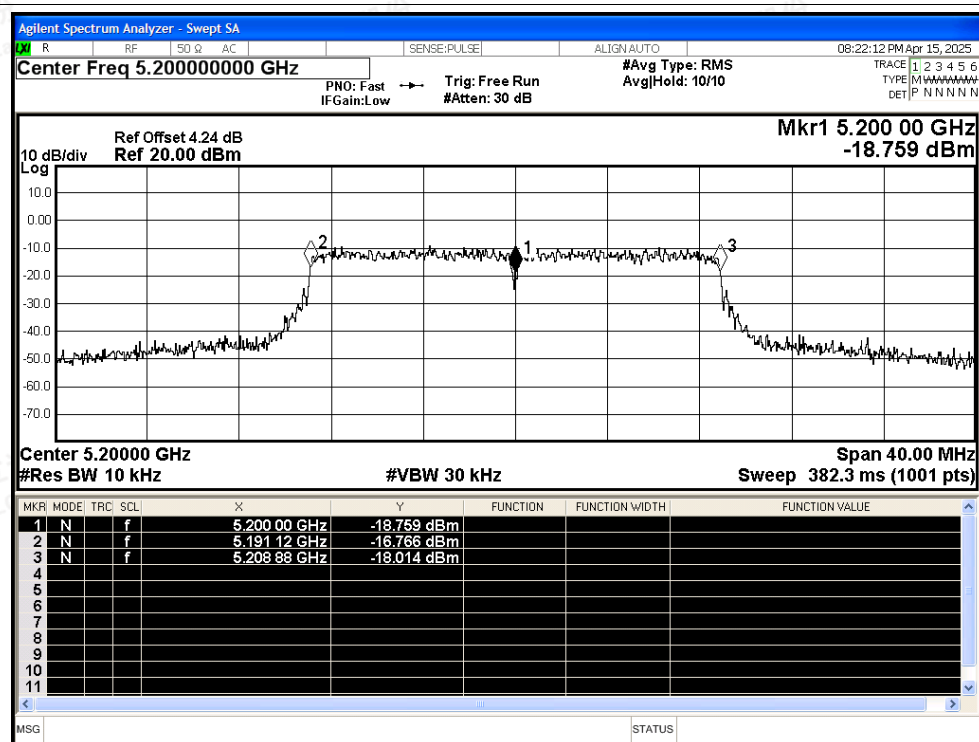
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

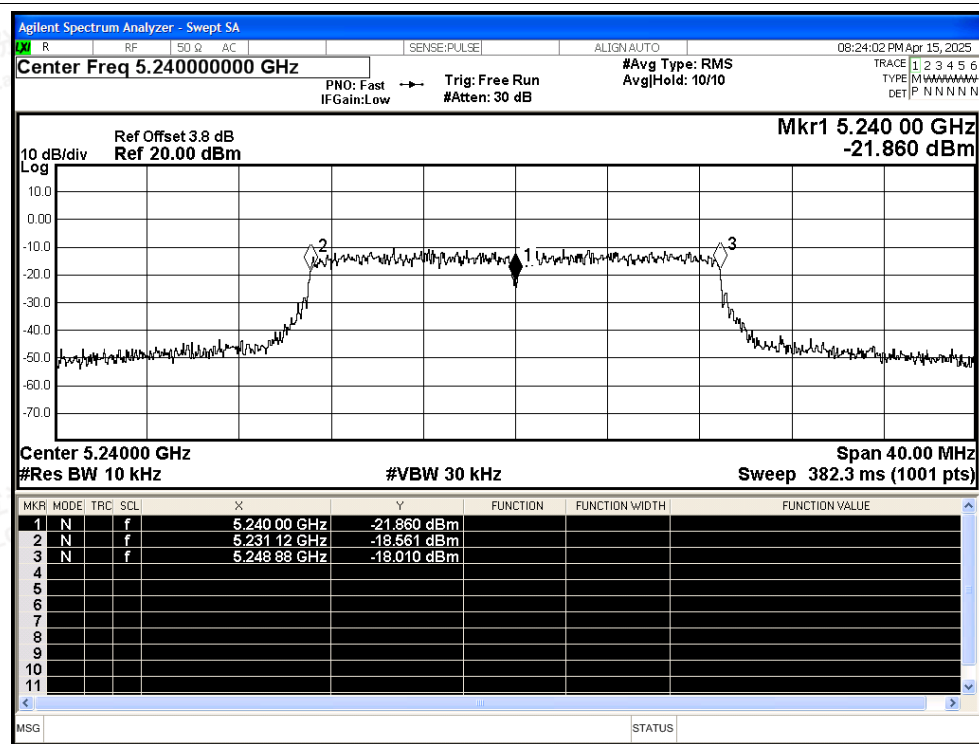
Scan code to check authenticity



## Freq. Stability NVNT n20 5200MHz Ant



## Freq. Stability NVNT n20 5240MHz Ant



Shenzhen LCS Compliance Testing Laboratory Ltd.

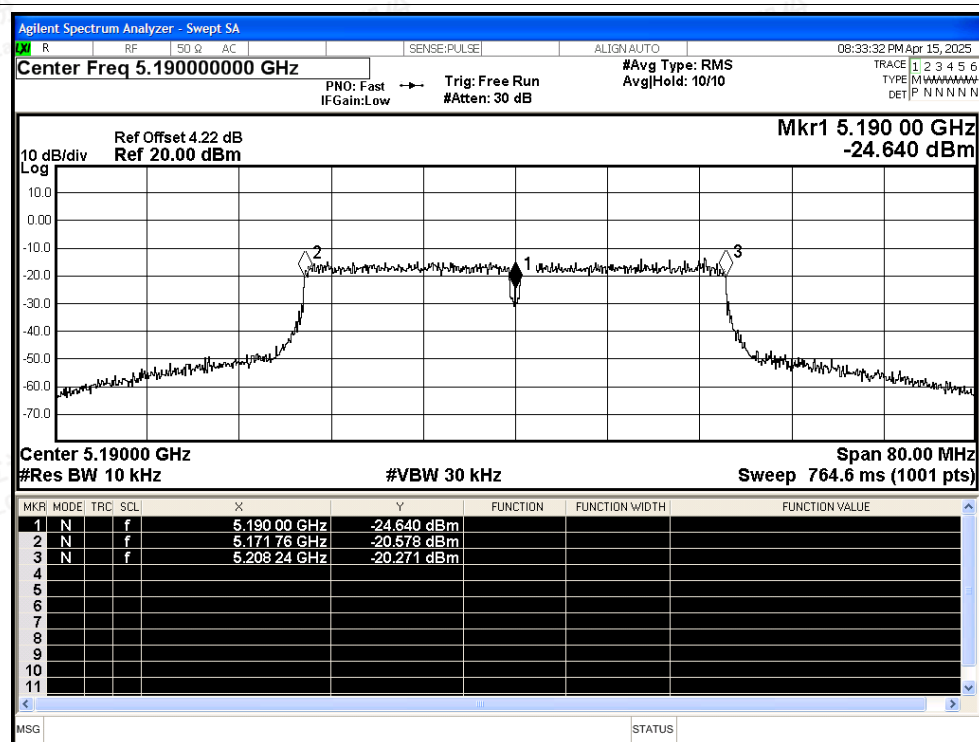
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

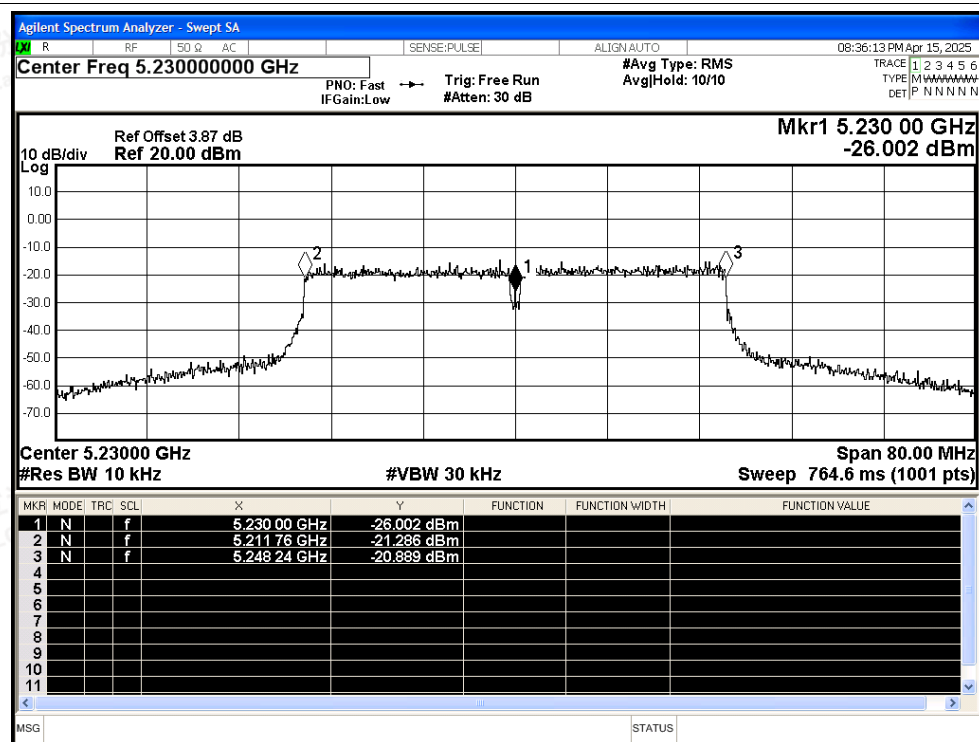
Scan code to check authenticity



## Freq. Stability NVNT n40 5190MHz Ant



## Freq. Stability NVNT n40 5230MHz Ant



Shenzhen LCS Compliance Testing Laboratory Ltd.

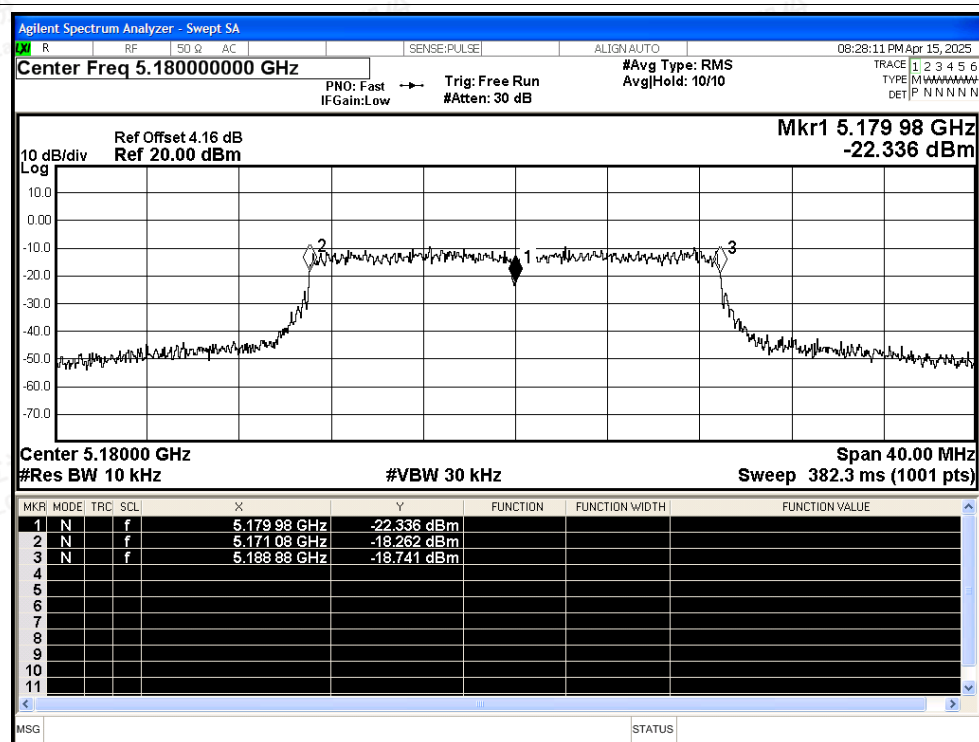
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

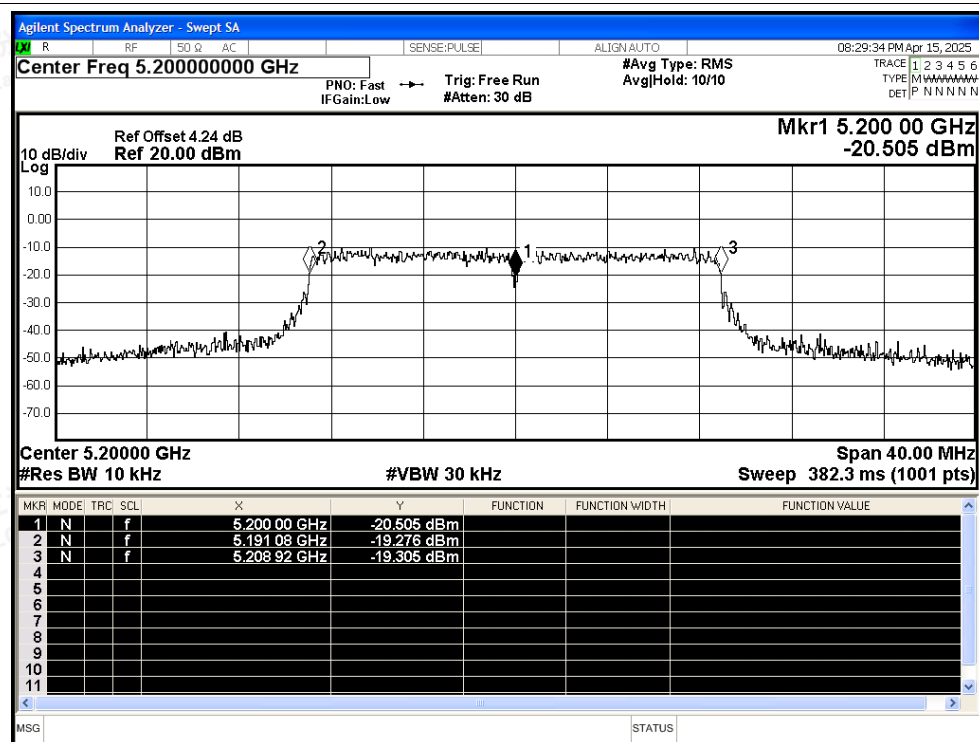
Scan code to check authenticity



## Freq. Stability NVNT ac20 5180MHz Ant



## Freq. Stability NVNT ac20 5200MHz Ant



Shenzhen LCS Compliance Testing Laboratory Ltd.

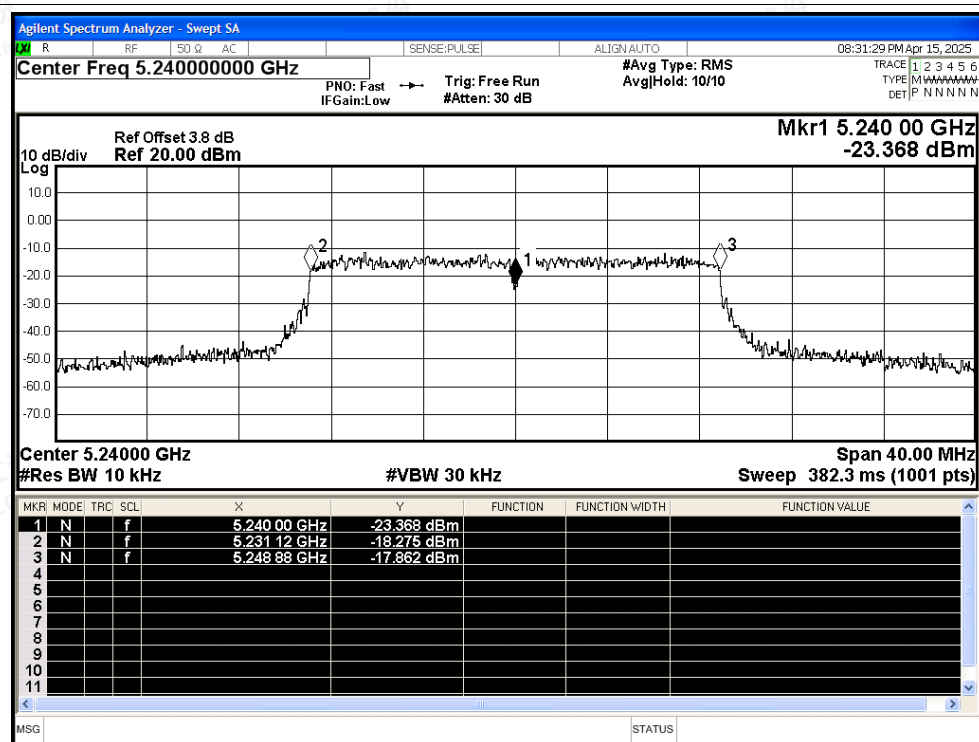
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

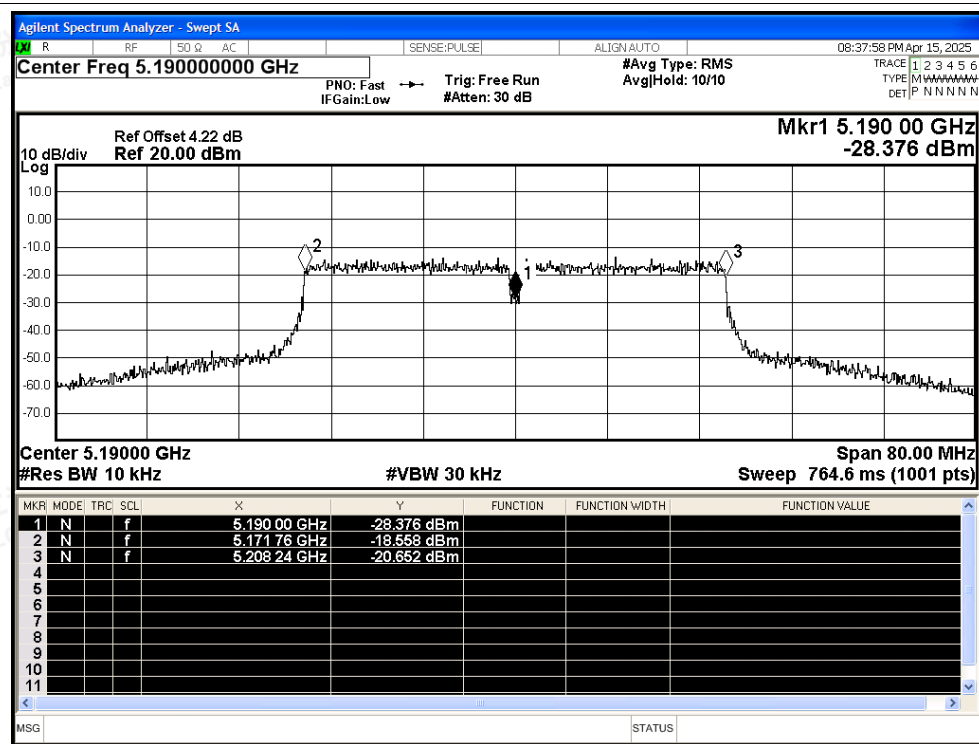
Scan code to check authenticity



## Freq. Stability NVNT ac20 5240MHz Ant



## Freq. Stability NVNT ac40 5190MHz Ant



Shenzhen LCS Compliance Testing Laboratory Ltd.

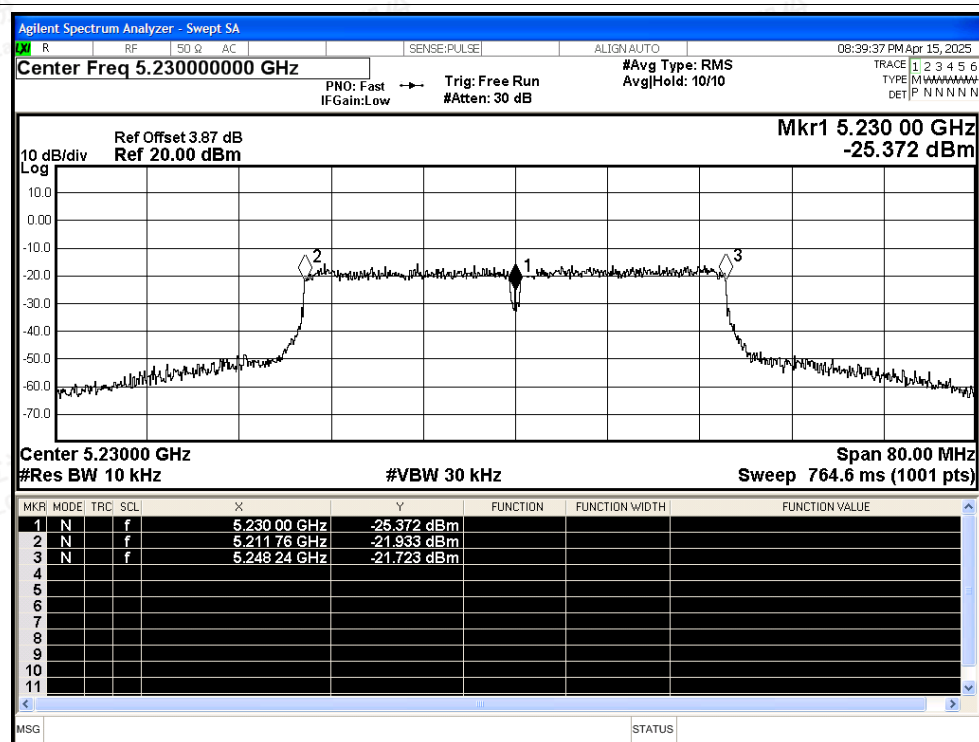
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

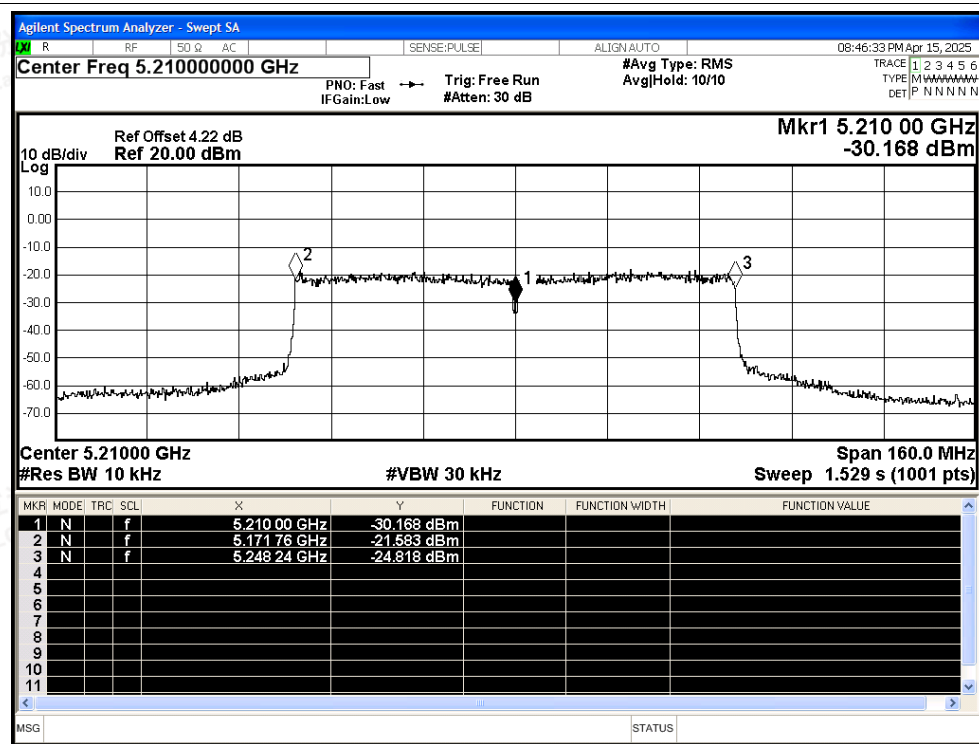
Scan code to check authenticity



## Freq. Stability NVNT ac40 5230MHz Ant



## Freq. Stability NVNT ac80 5210MHz Ant

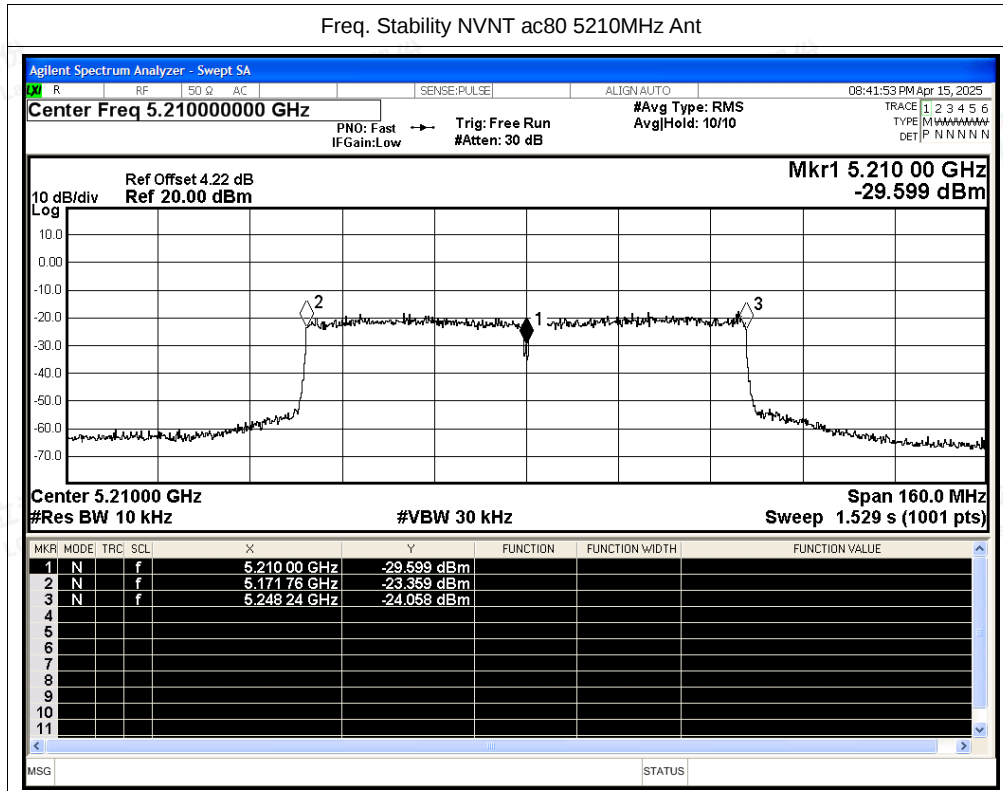


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## D.6 Duty Cycle

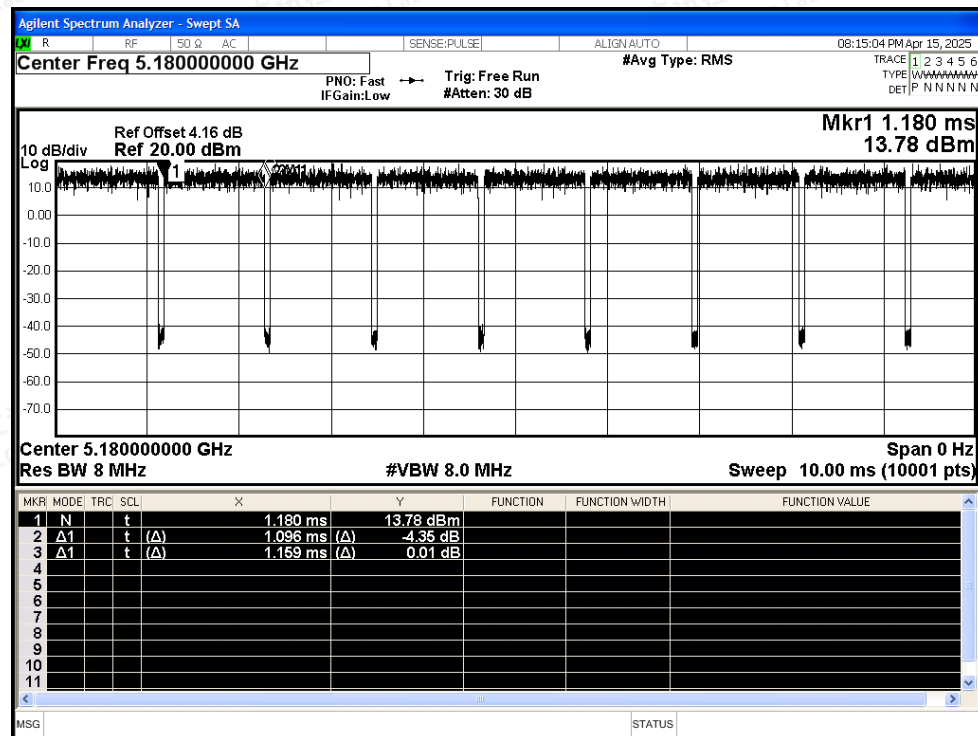
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5180            | Ant     | 94.56          | 0.24                   | 0.91      |
| NVNT      | a    | 5200            | Ant     | 94.65          | 0.24                   | 0.91      |
| NVNT      | a    | 5240            | Ant     | 94.65          | 0.24                   | 0.91      |
| NVNT      | n20  | 5180            | Ant     | 98.16          | 0                      | 0.3       |
| NVNT      | n20  | 5200            | Ant     | 98.16          | 0                      | 0.3       |
| NVNT      | n20  | 5240            | Ant     | 98.16          | 0                      | 0.3       |
| NVNT      | n40  | 5190            | Ant     | 96.36          | 0.16                   | 0.61      |
| NVNT      | n40  | 5230            | Ant     | 96.36          | 0.16                   | 0.61      |
| NVNT      | ac20 | 5180            | Ant     | 98.17          | 0                      | 0.3       |
| NVNT      | ac20 | 5200            | Ant     | 98.2           | 0                      | 0.3       |
| NVNT      | ac20 | 5240            | Ant     | 98.2           | 0                      | 0.3       |
| NVNT      | ac40 | 5190            | Ant     | 96.38          | 0.16                   | 0.61      |
| NVNT      | ac40 | 5230            | Ant     | 96.32          | 0.16                   | 0.61      |
| NVNT      | ac80 | 5210            | Ant     | 92.65          | 0.33                   | 1.28      |



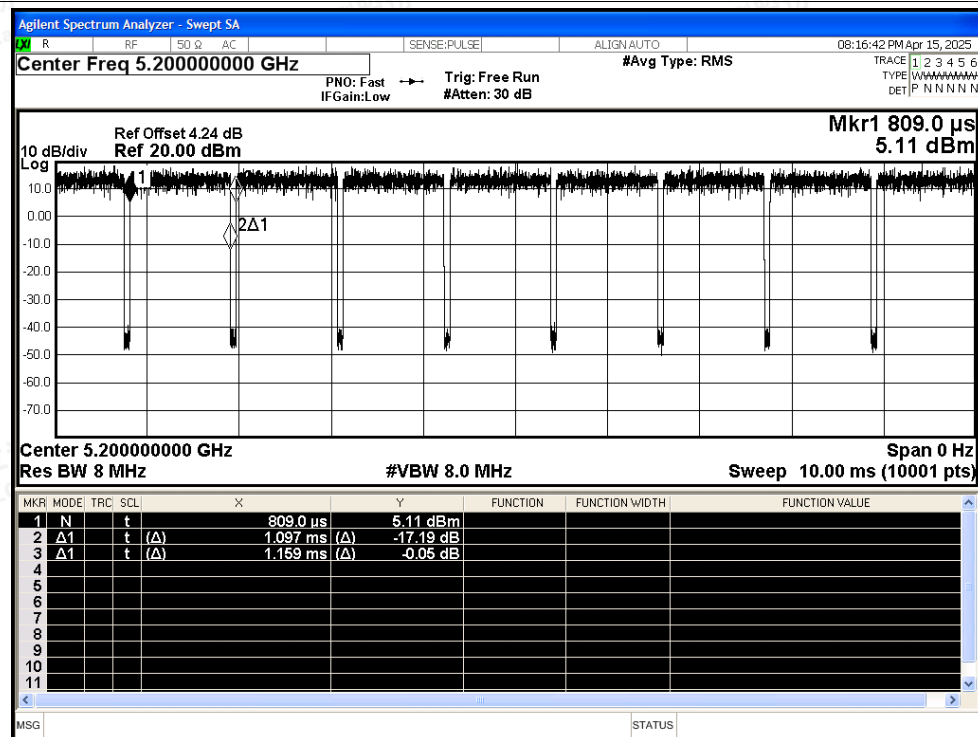


## Test Graphs

## Duty Cycle NVNT a 5180MHz Ant



## Duty Cycle NVNT a 5200MHz Ant



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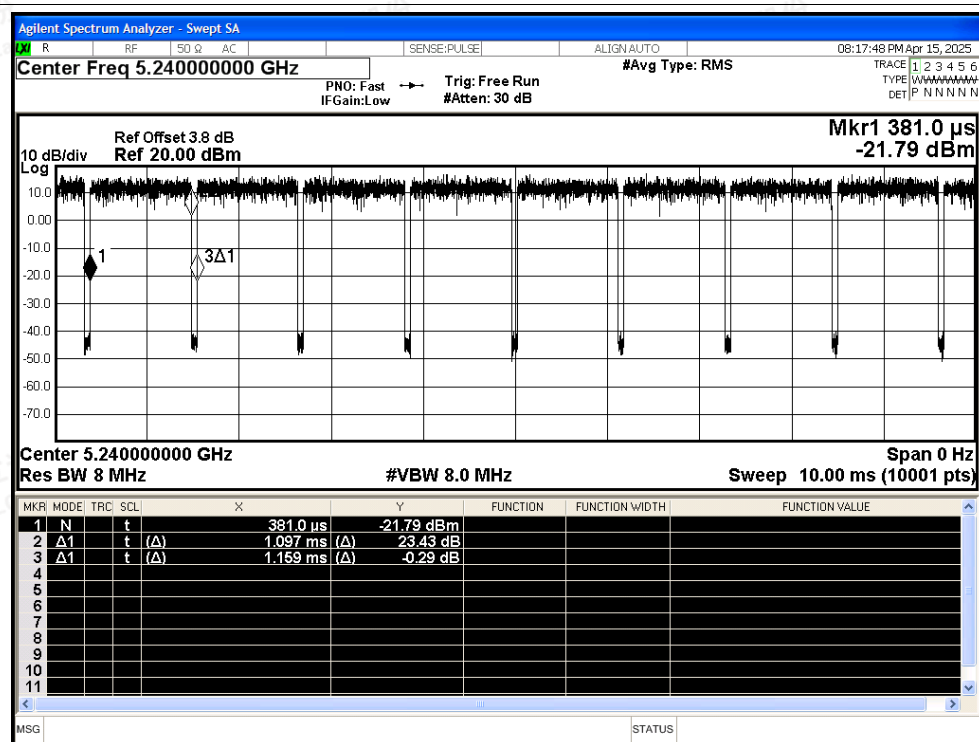
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

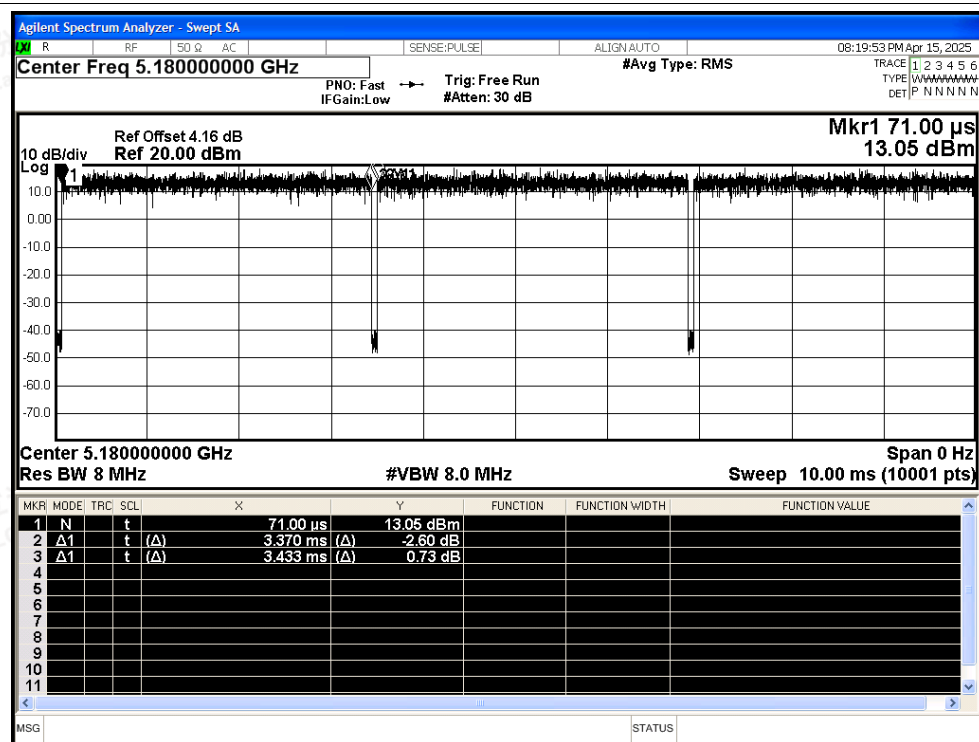
Scan code to check authenticity



## Duty Cycle NVNT a 5240MHz Ant



## Duty Cycle NVNT n20 5180MHz Ant

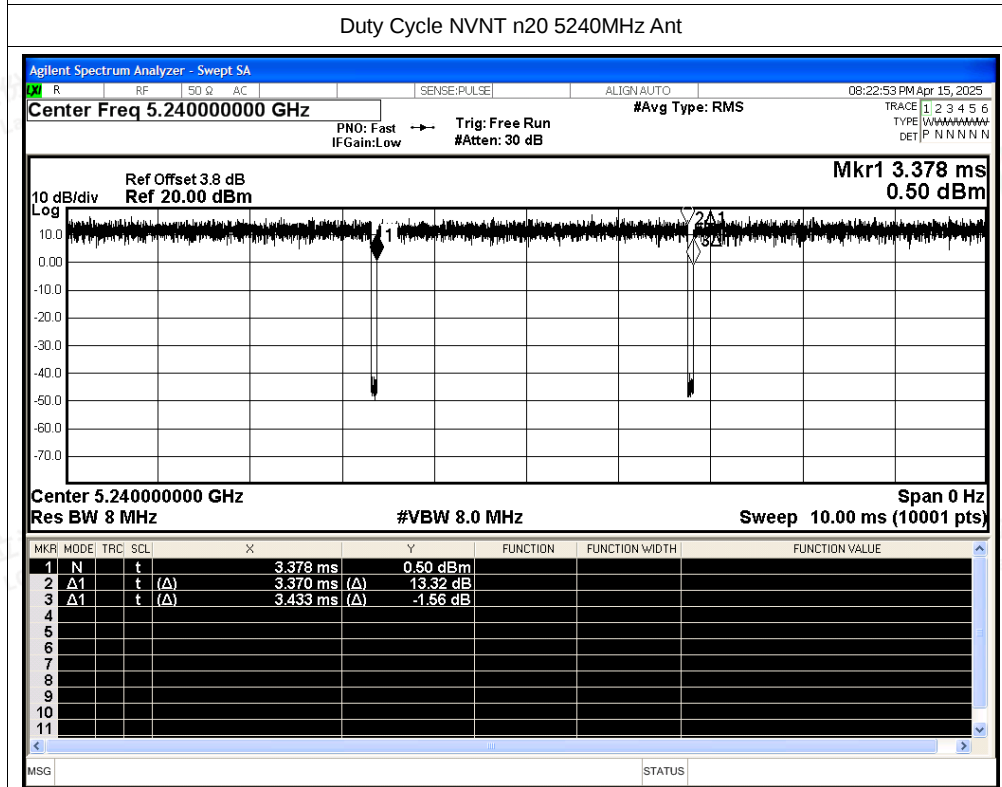
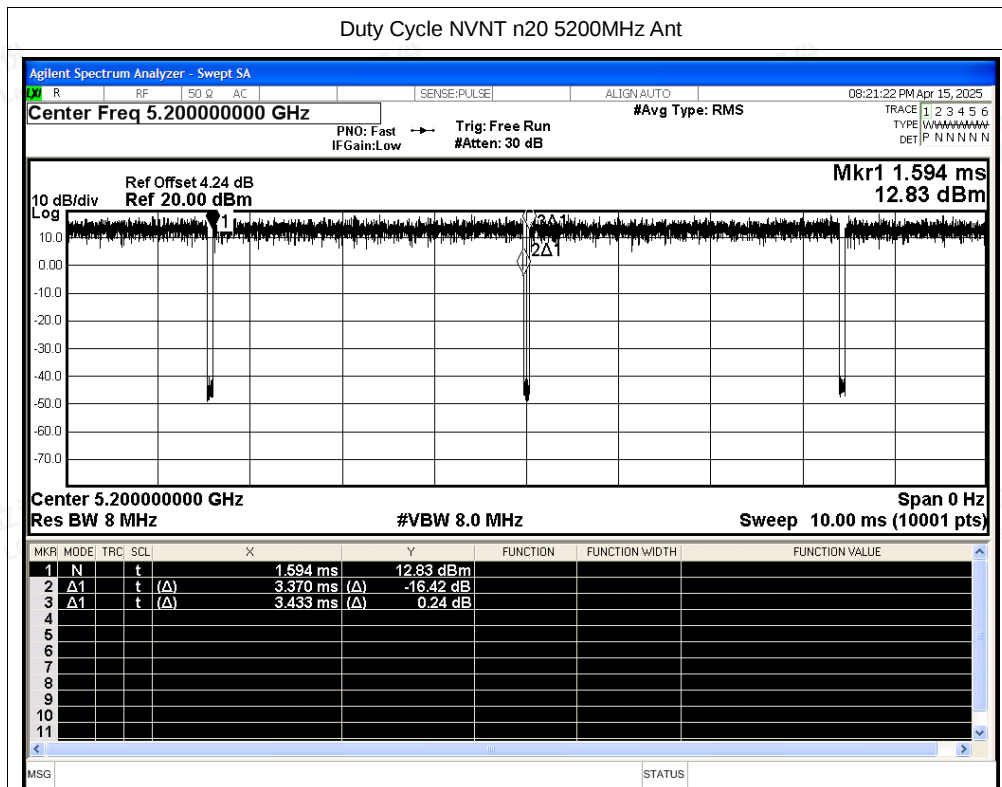


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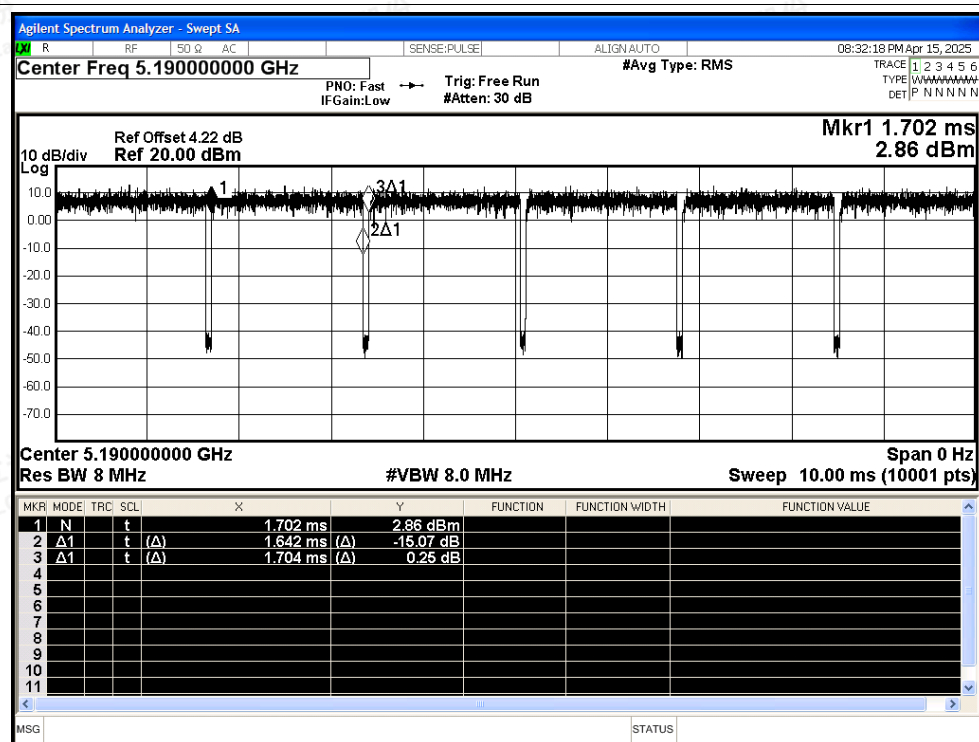
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

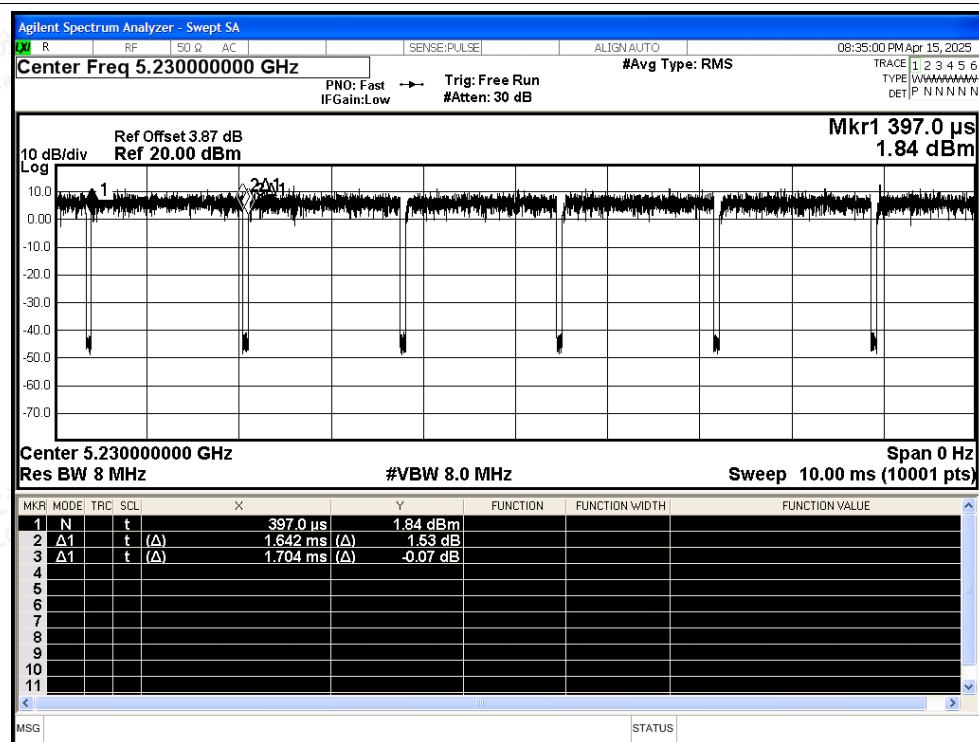
Scan code to check authenticity



## Duty Cycle NVNT n40 5190MHz Ant



## Duty Cycle NVNT n40 5230MHz Ant

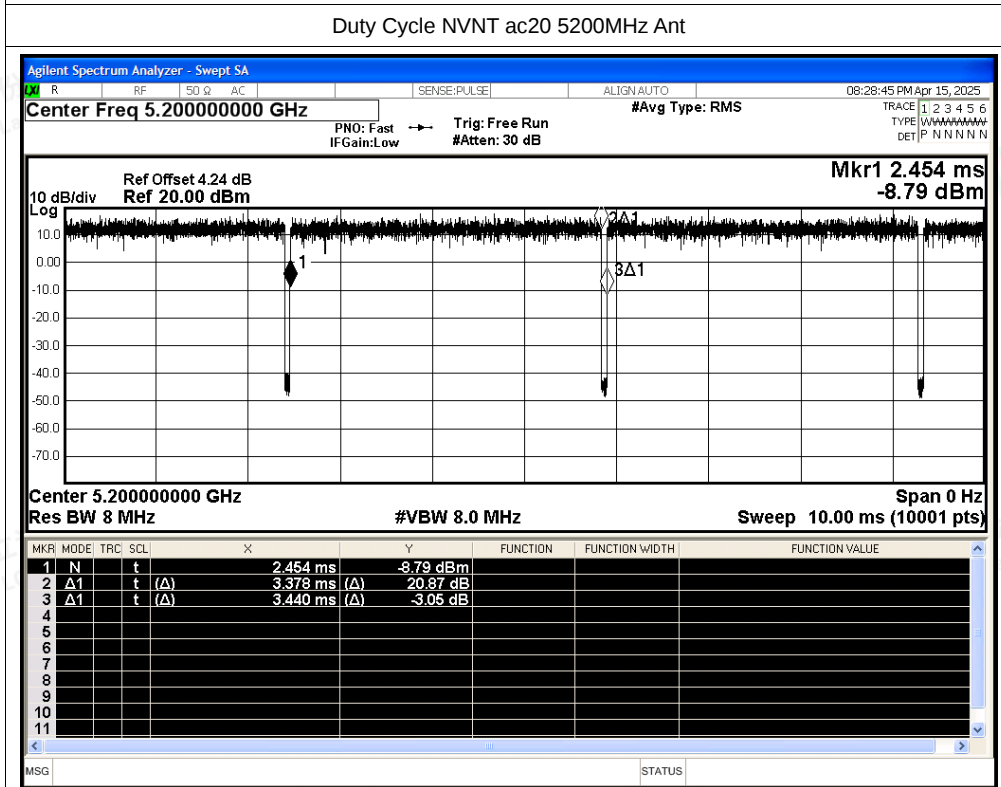
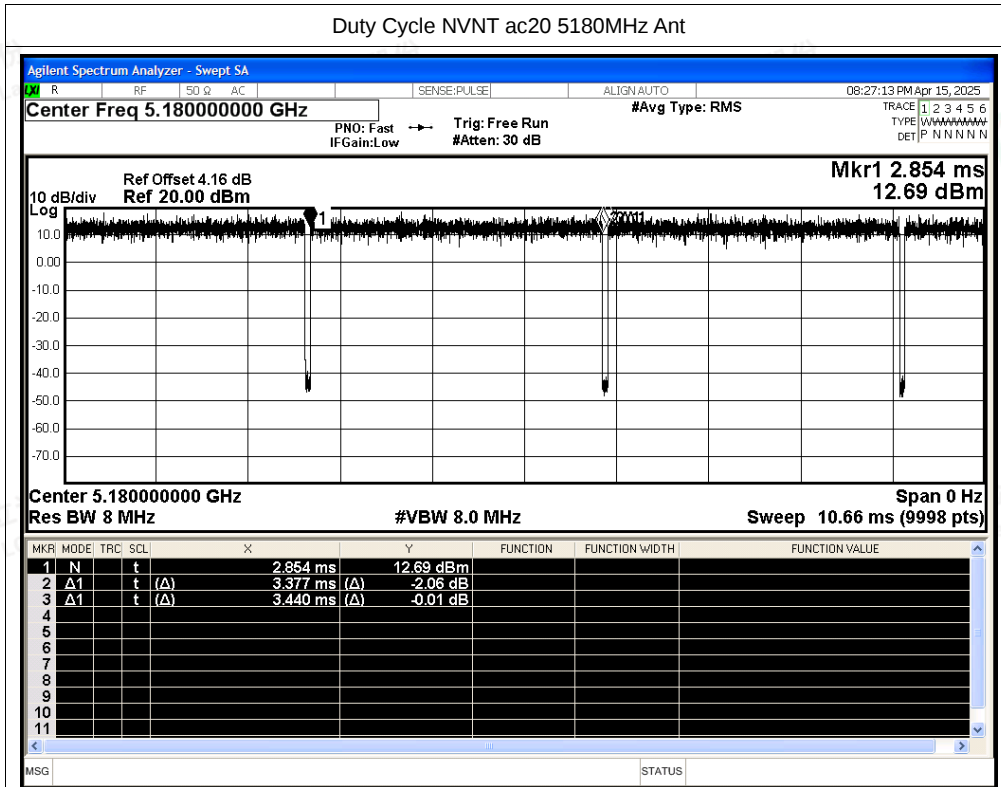


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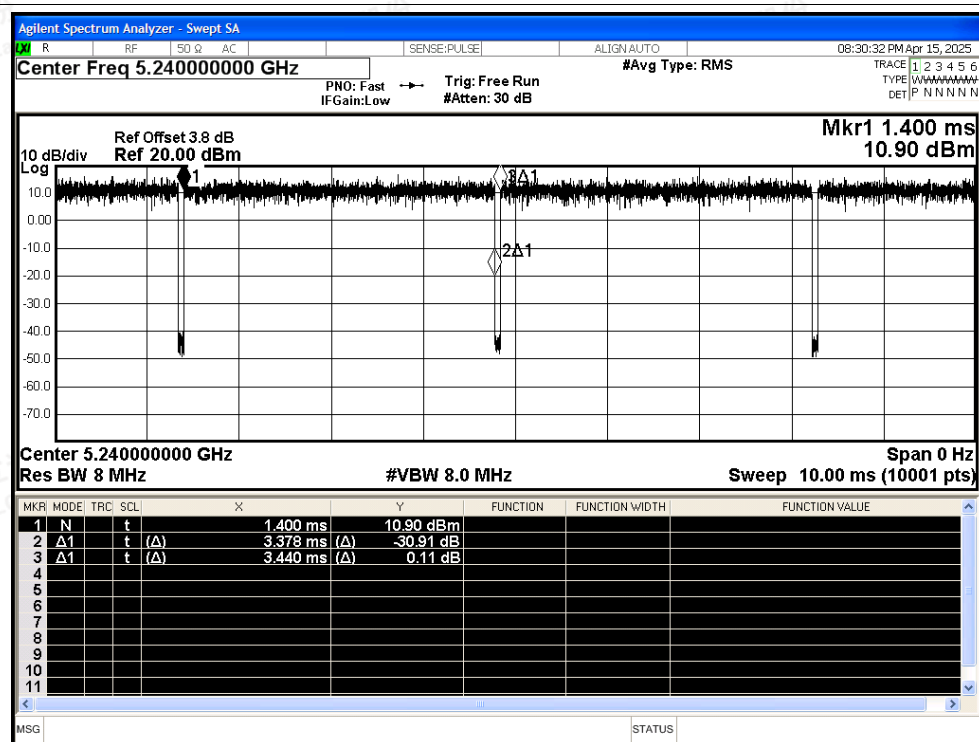
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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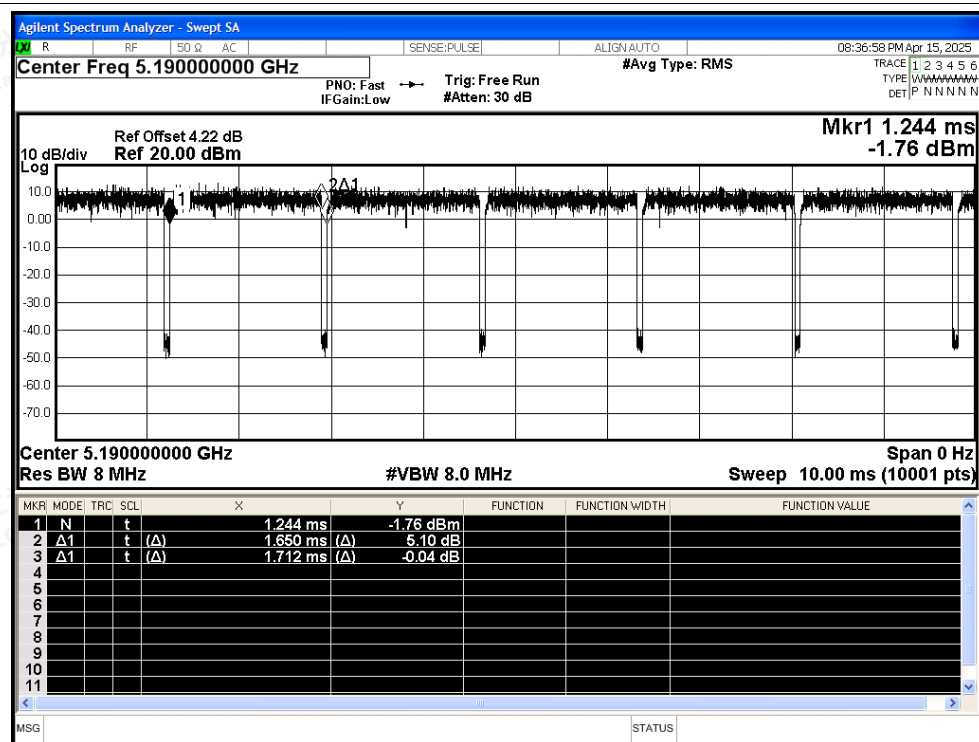
Scan code to check authenticity



## Duty Cycle NVNT ac20 5240MHz Ant



## Duty Cycle NVNT ac40 5190MHz Ant

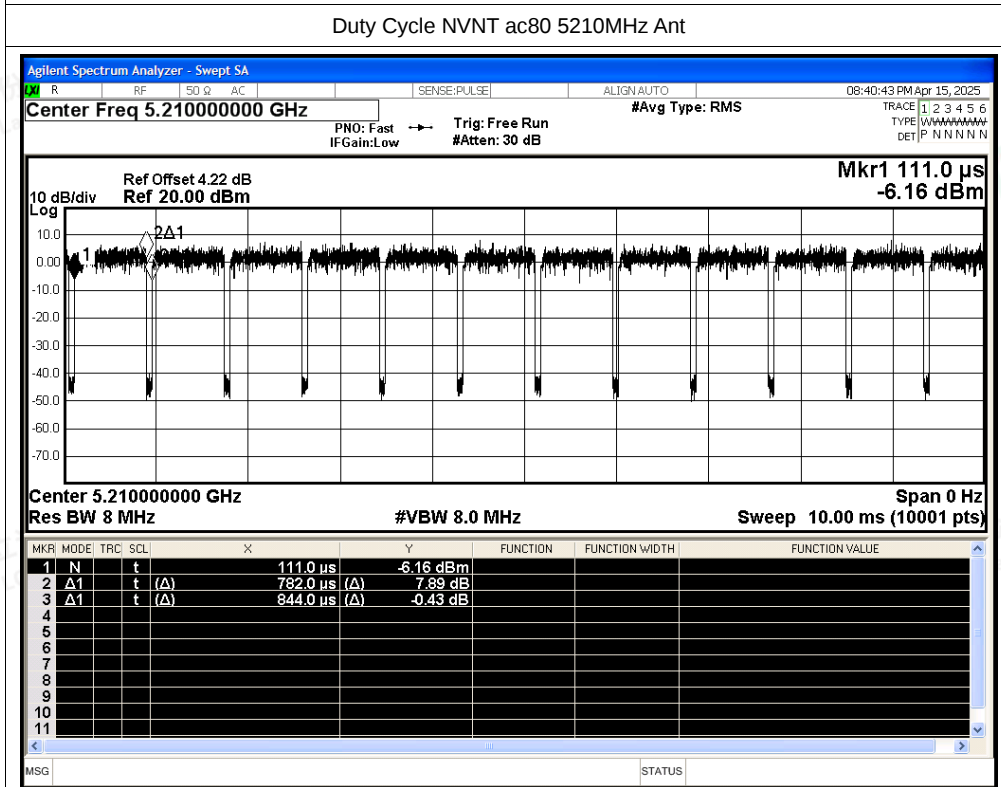
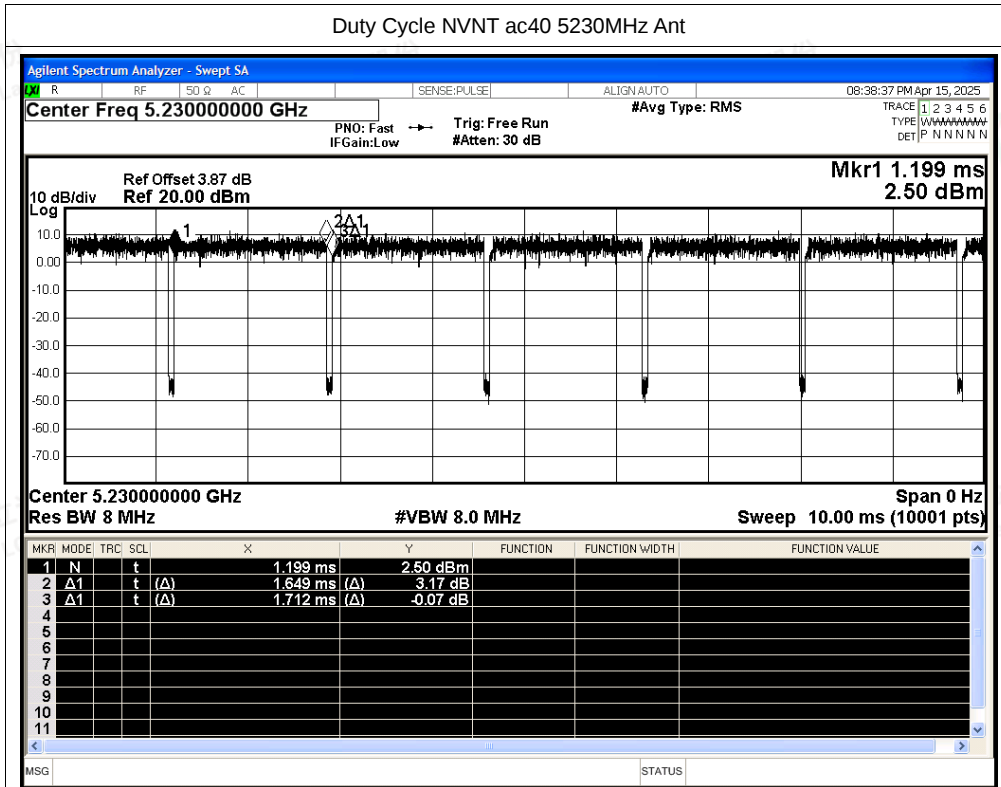


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