



## Appendix D

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

Product Name: Hyundai Notebook

Test Model: HT14CB10502BK

#### Environmental Conditions

|                    |            |
|--------------------|------------|
| Temperature:       | 23.8° C    |
| Relative Humidity: | 52.1%      |
| ATM Pressure:      | 100.0 kPa  |
| Test Engineer:     | Eason Zhou |
| 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            | Ant1    | 23.043                 | $\geq 0.5$                   | Pass    |
| NVNT      | a    | 5200            | Ant1    | 22.575                 | $\geq 0.5$                   | Pass    |
| NVNT      | a    | 5240            | Ant1    | 21.736                 | $\geq 0.5$                   | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 22.521                 | $\geq 0.5$                   | Pass    |
| NVNT      | n20  | 5200            | Ant1    | 23.303                 | $\geq 0.5$                   | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 22.098                 | $\geq 0.5$                   | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 42.201                 | $\geq 0.5$                   | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 42.207                 | $\geq 0.5$                   | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | 21.925                 | $\geq 0.5$                   | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 22.424                 | $\geq 0.5$                   | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | 22.211                 | $\geq 0.5$                   | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | 42.715                 | $\geq 0.5$                   | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | 43.431                 | $\geq 0.5$                   | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | 82.527                 | $\geq 0.5$                   | Pass    |





## Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



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-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



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-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



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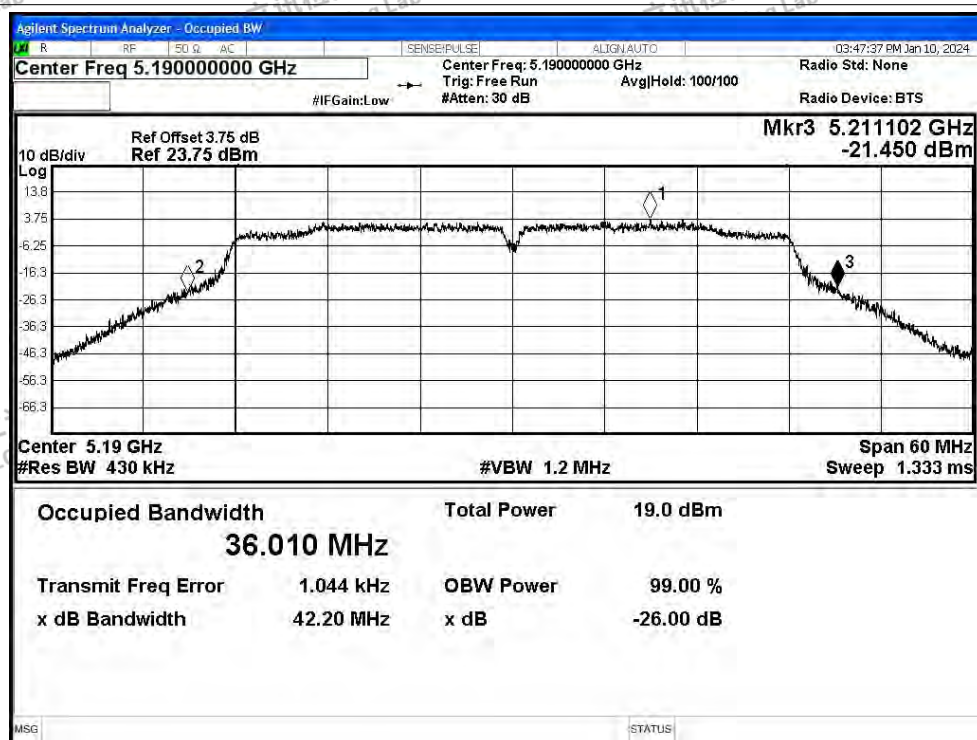
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-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



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-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



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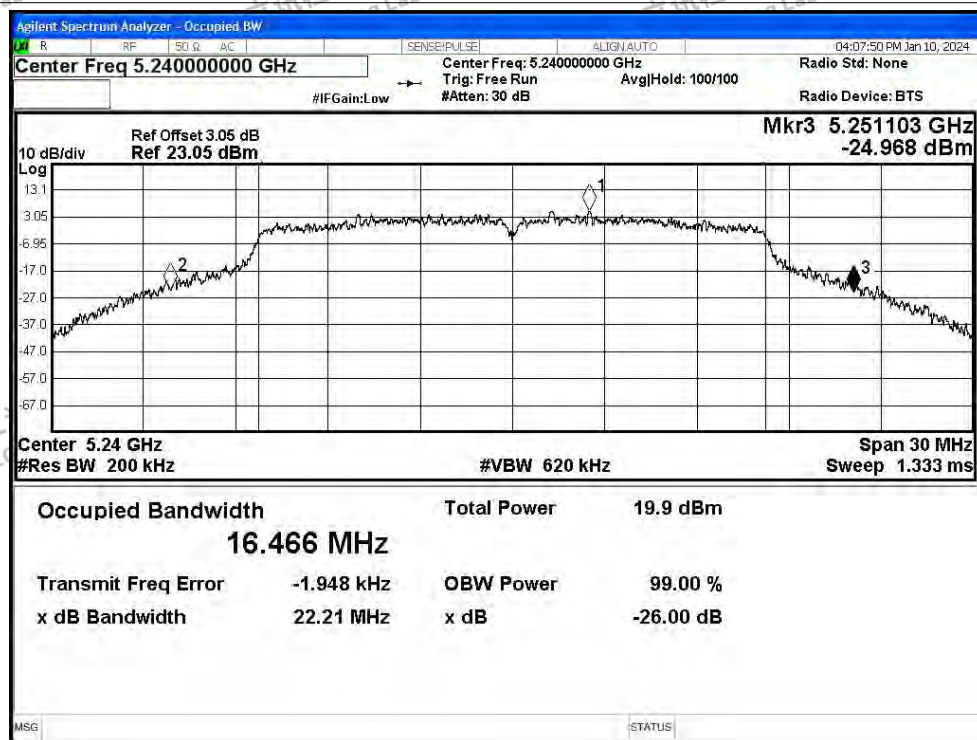
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-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



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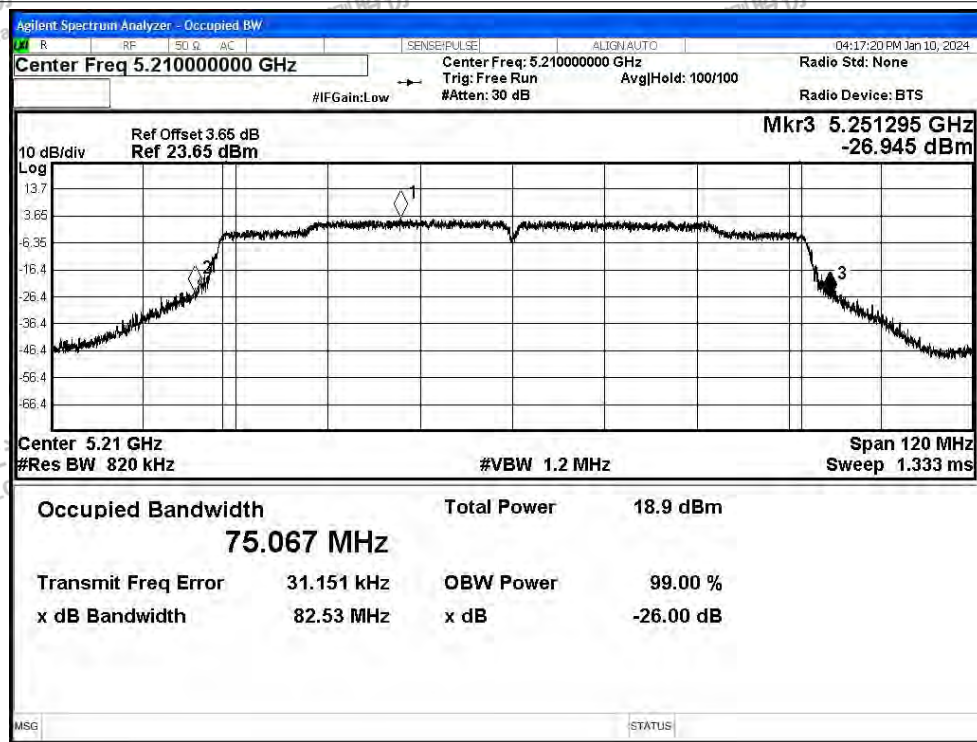




-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1



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## D.2 Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Duty Factor<br>(dB) | Total Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|---------------------|----------------------|----------------|---------|
| NVNT      | a    | 5180               | Ant1    | 15.69                    | 0.14                | 15.83                | 24             | Pass    |
| NVNT      | a    | 5200               | Ant1    | 15.65                    | 0.14                | 15.79                | 24             | Pass    |
| NVNT      | a    | 5240               | Ant1    | 15.01                    | 0.14                | 15.15                | 24             | Pass    |
| NVNT      | n20  | 5180               | Ant1    | 14.55                    | 0.15                | 14.7                 | 24             | Pass    |
| NVNT      | n20  | 5200               | Ant1    | 14.44                    | 0.14                | 14.58                | 24             | Pass    |
| NVNT      | n20  | 5240               | Ant1    | 14.51                    | 0.14                | 14.65                | 24             | Pass    |
| NVNT      | n40  | 5190               | Ant1    | 13.02                    | 0.16                | 13.18                | 24             | Pass    |
| NVNT      | n40  | 5230               | Ant1    | 13.25                    | 0.17                | 13.42                | 24             | Pass    |
| NVNT      | ac20 | 5180               | Ant1    | 14.18                    | 0.14                | 14.32                | 24             | Pass    |
| NVNT      | ac20 | 5200               | Ant1    | 14.03                    | 0.14                | 14.17                | 24             | Pass    |
| NVNT      | ac20 | 5240               | Ant1    | 14.01                    | 0.14                | 14.15                | 24             | Pass    |
| NVNT      | ac40 | 5190               | Ant1    | 13.41                    | 0.17                | 13.58                | 24             | Pass    |
| NVNT      | ac40 | 5230               | Ant1    | 13.17                    | 0.17                | 13.34                | 24             | Pass    |
| NVNT      | ac80 | 5210               | Ant1    | 12.25                    | 0.34                | 12.59                | 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            | Ant1    | 5.73                   | 0.14             | 5.87                | 11              | Pass    |
| NVNT      | a    | 5200            | Ant1    | 5.72                   | 0.14             | 5.86                | 11              | Pass    |
| NVNT      | a    | 5240            | Ant1    | 5.41                   | 0.14             | 5.55                | 11              | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 4.41                   | 0.15             | 4.56                | 11              | Pass    |
| NVNT      | n20  | 5200            | Ant1    | 4.56                   | 0.14             | 4.7                 | 11              | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 4.31                   | 0.14             | 4.45                | 11              | Pass    |
| NVNT      | n40  | 5190            | Ant1    | -0.25                  | 0.16             | -0.09               | 11              | Pass    |
| NVNT      | n40  | 5230            | Ant1    | -0.17                  | 0.17             | 0                   | 11              | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | 4.2                    | 0.14             | 4.34                | 11              | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 4.26                   | 0.14             | 4.4                 | 11              | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | 4.29                   | 0.14             | 4.43                | 11              | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | 0.11                   | 0.17             | 0.28                | 11              | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | 0.06                   | 0.17             | 0.23                | 11              | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | -3.63                  | 0.34             | -3.29               | 11              | Pass    |

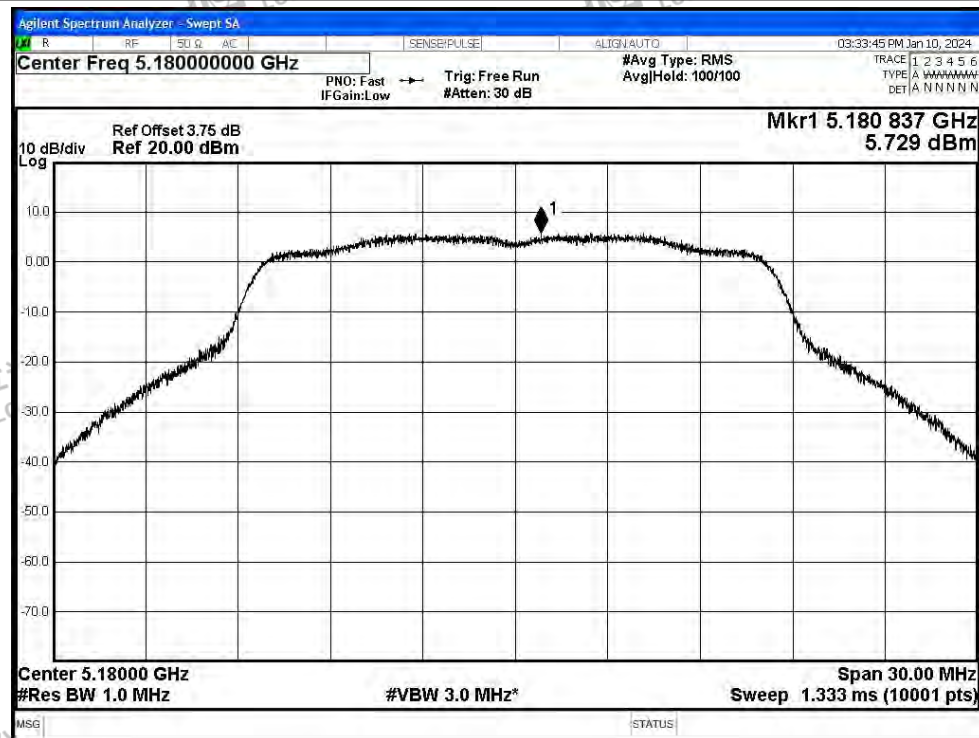




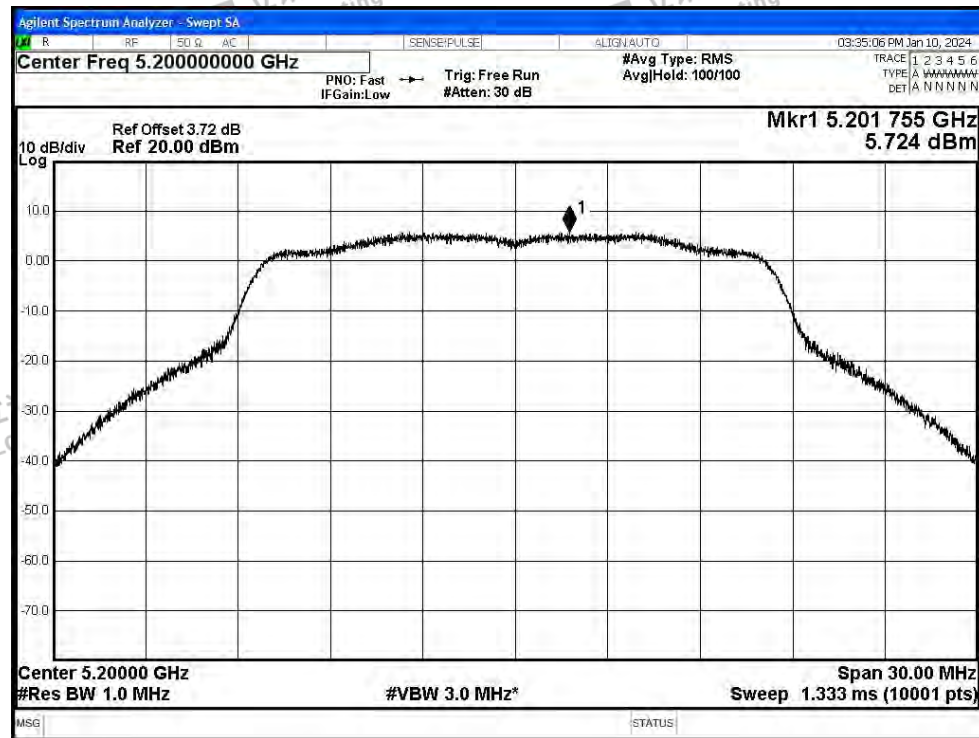


## Test Graphs

PSD NVNT a 5180MHz Ant1

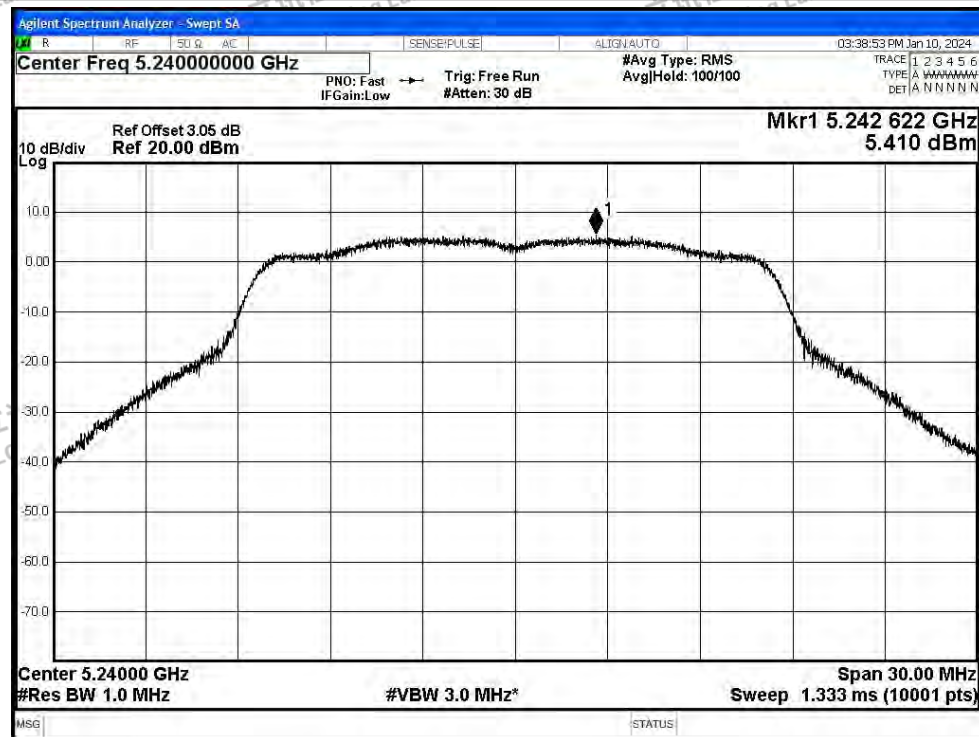


PSD NVNT a 5200MHz Ant1

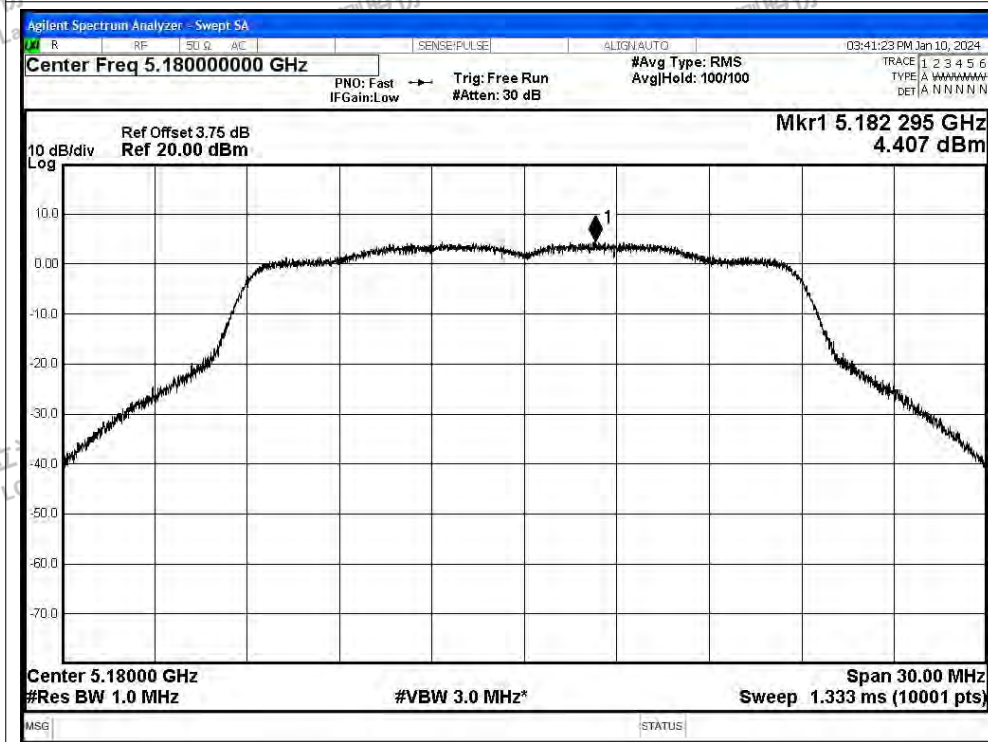




## PSD NVNT a 5240MHz Ant1



## PSD NVNT n20 5180MHz Ant1



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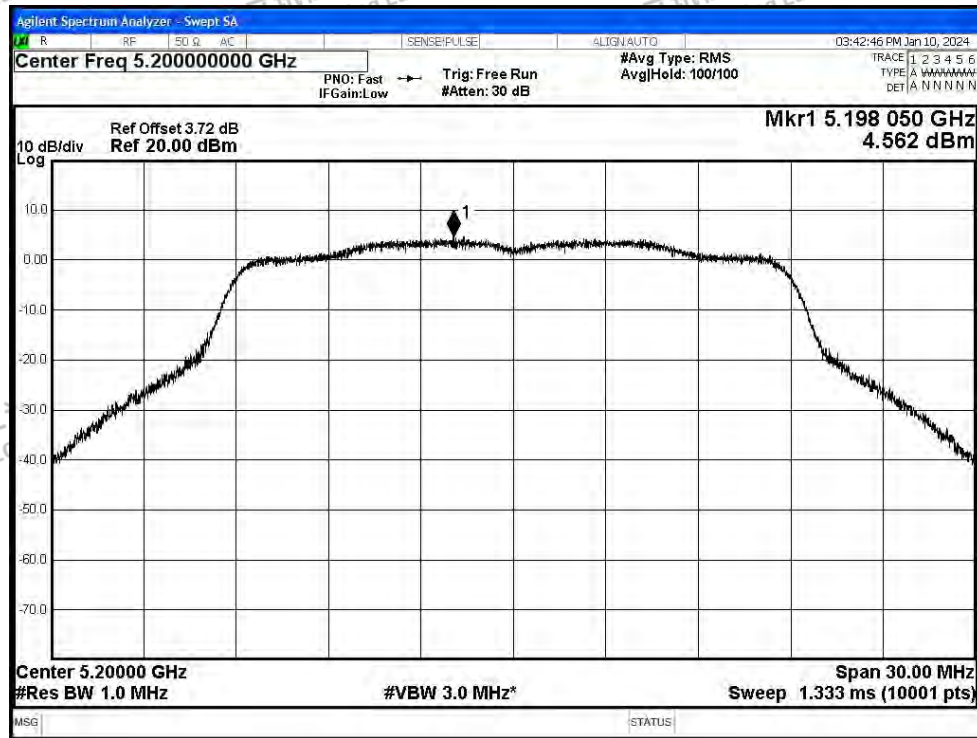
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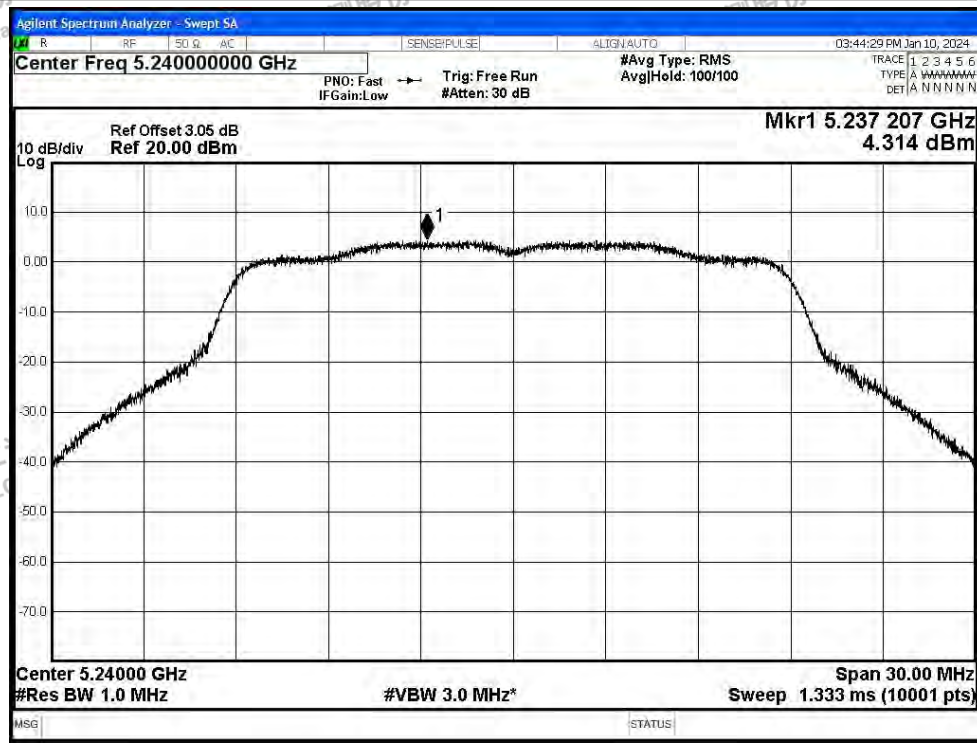
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## PSD NVNT n20 5200MHz Ant1



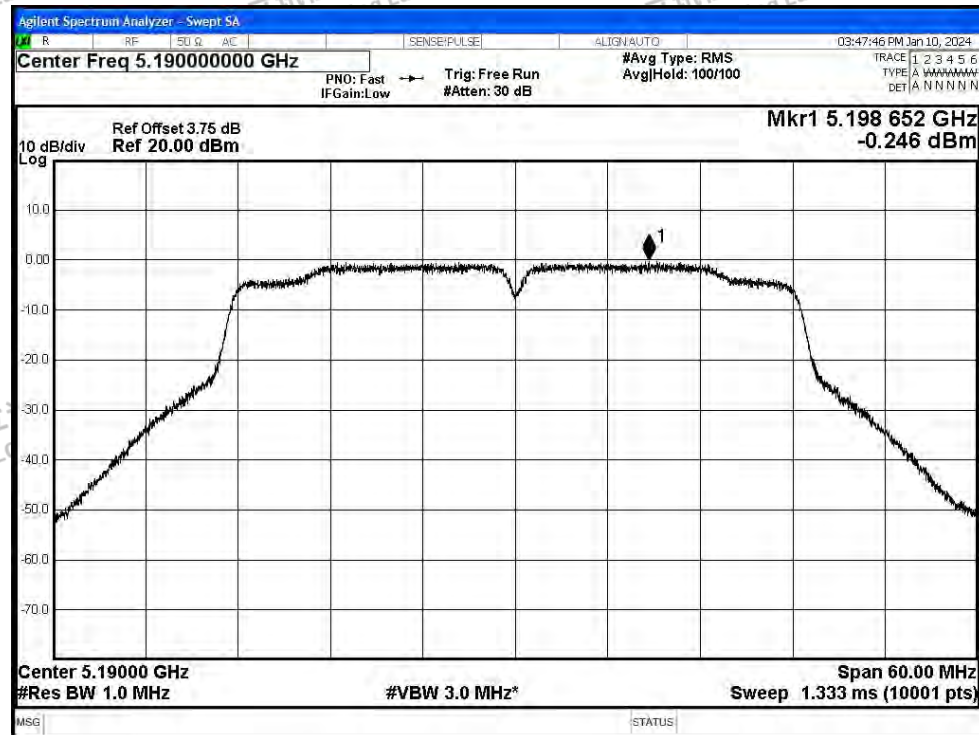
## PSD NVNT n20 5240MHz Ant1



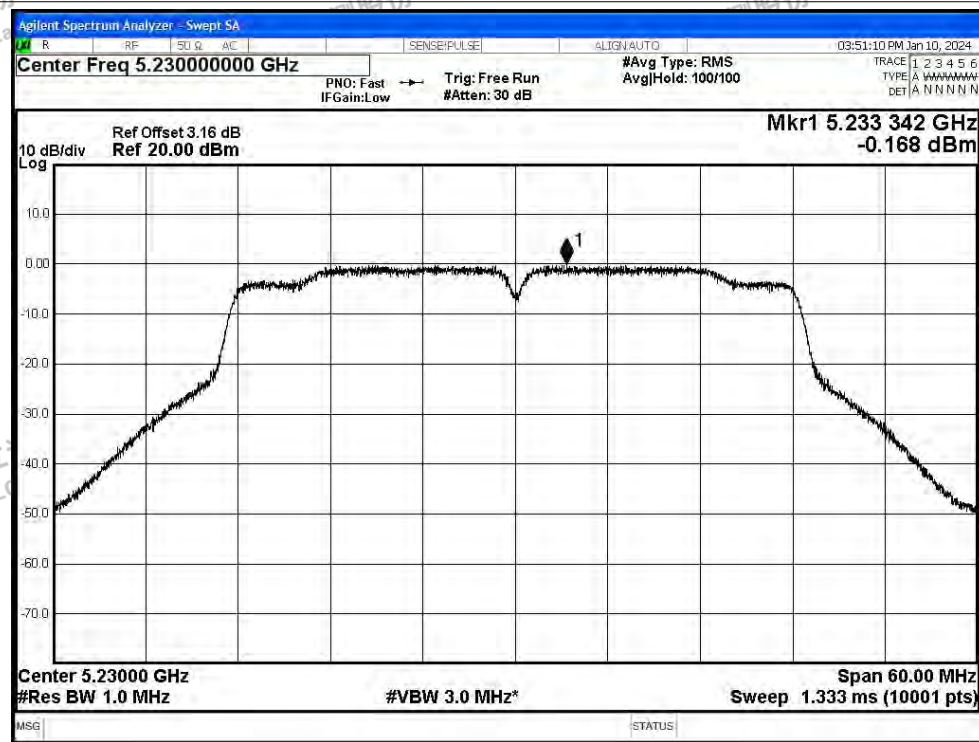




## PSD NVNT n40 5190MHz Ant1



## PSD NVNT n40 5230MHz Ant1



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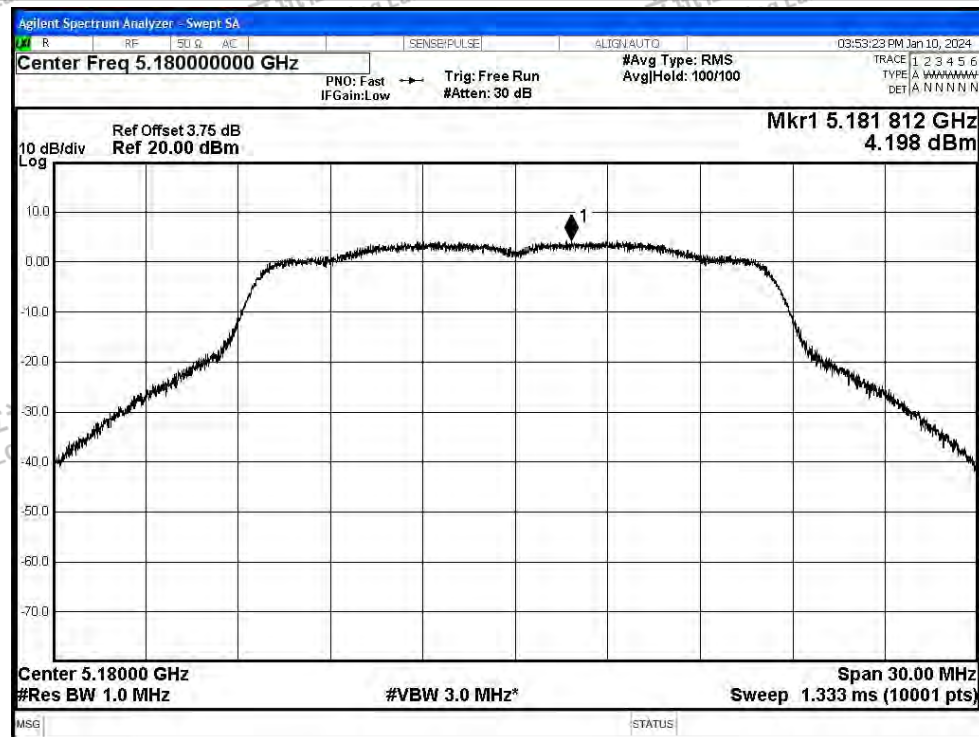
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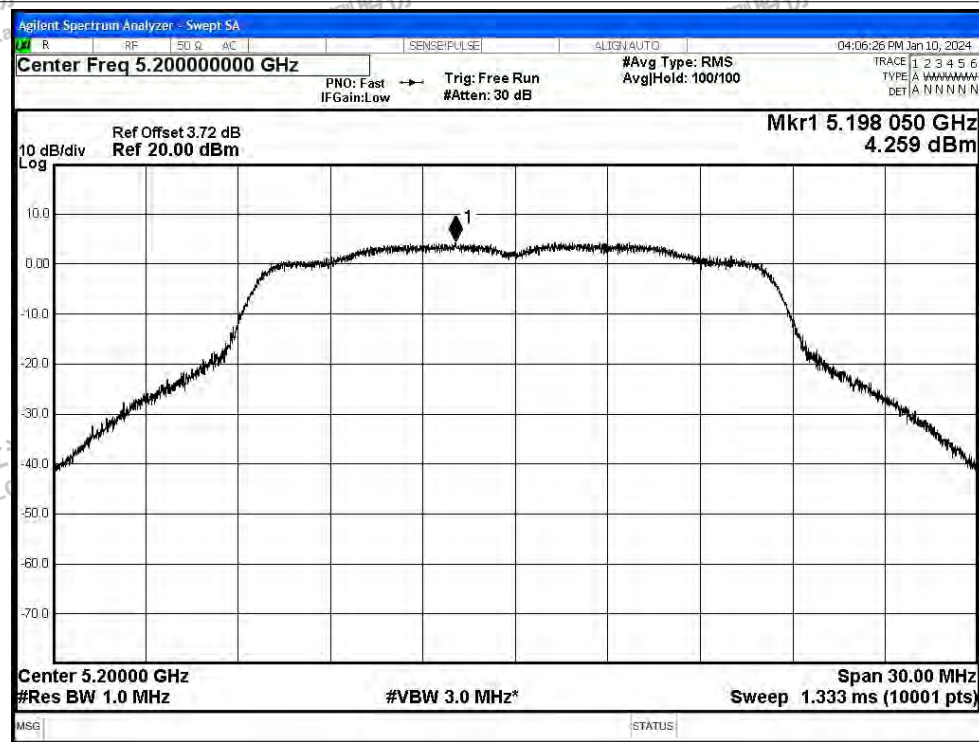




## PSD NVNT ac20 5180MHz Ant1

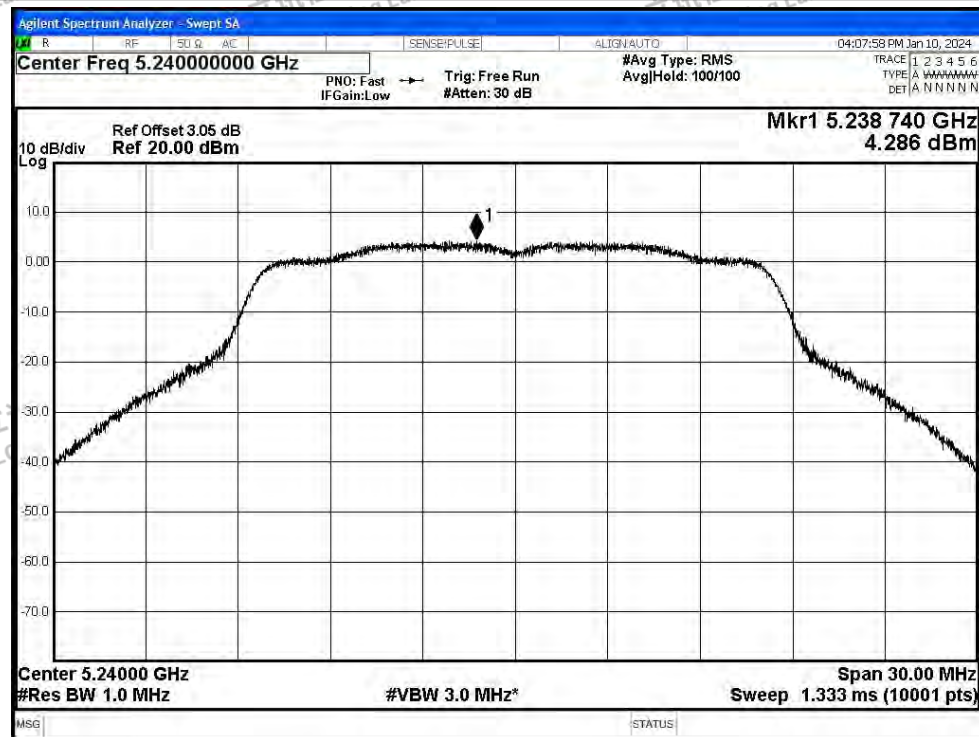


## PSD NVNT ac20 5200MHz Ant1

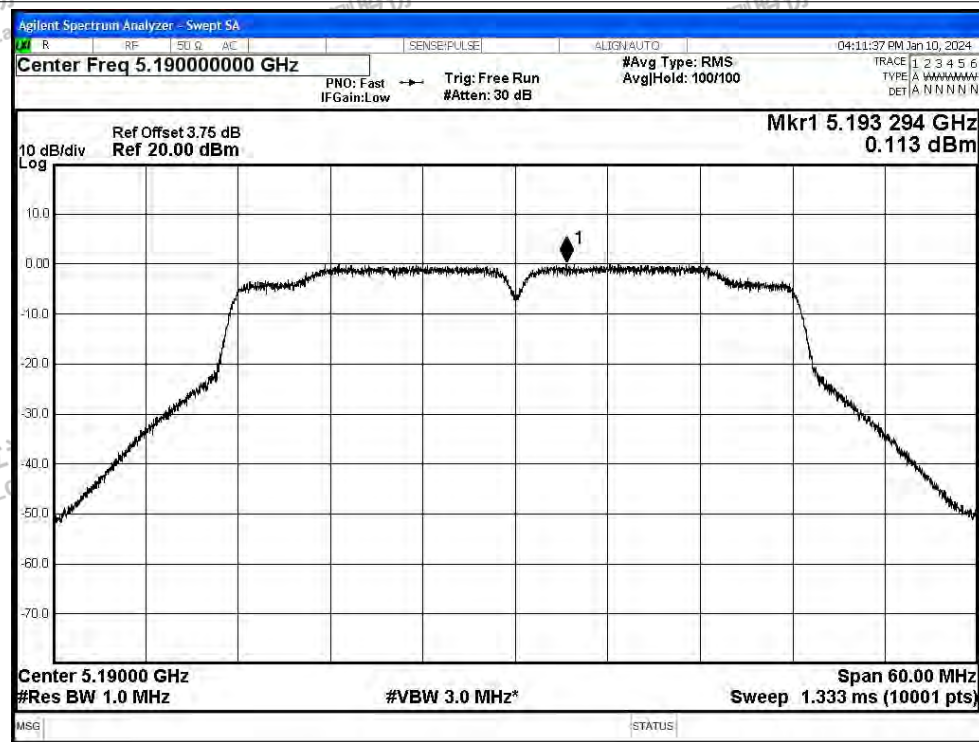




## PSD NVNT ac20 5240MHz Ant1



## PSD NVNT ac40 5190MHz Ant1



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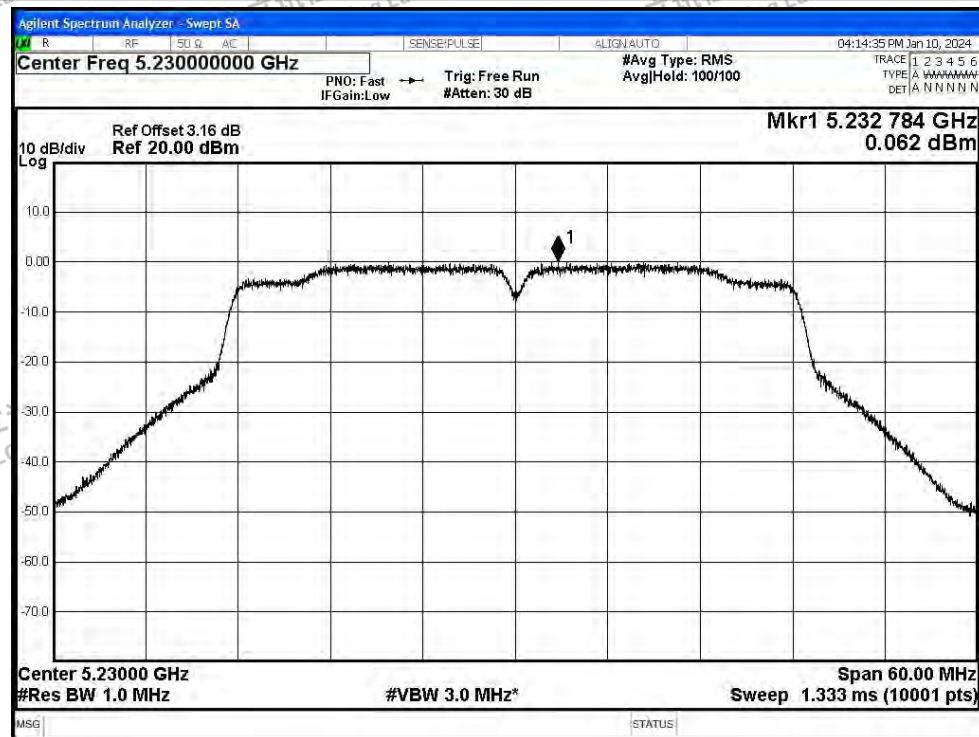
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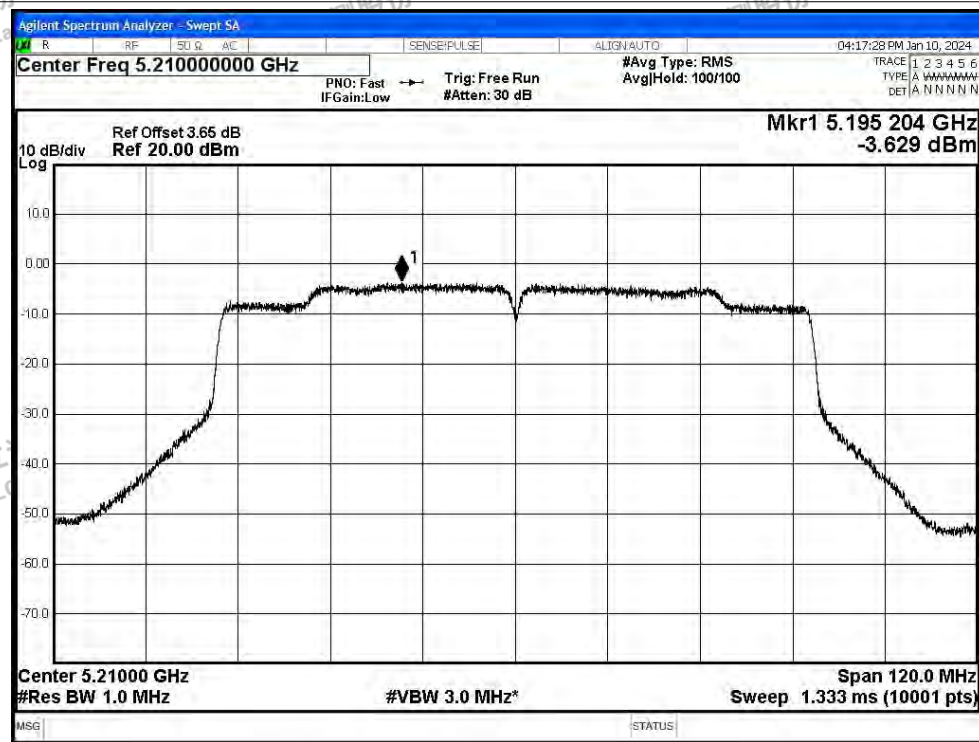
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## PSD NVNT ac40 5230MHz Ant1



## PSD NVNT ac80 5210MHz Ant1



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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            | Ant1    | 4500            | -50.03      | 2          | -                | 47.2       | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5180            | Ant1    | 4500            | -58.67      | 2          | 0.14             | 38.7       | Average  | 54             | Pass    |
| NVNT      | a    | 5180            | Ant1    | 5146.8          | -41.83      | 2          | -                | 55.4       | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5180            | Ant1    | 5149.6          | -52.65      | 2          | 0.14             | 44.72      | Average  | 54             | Pass    |
| NVNT      | a    | 5180            | Ant1    | 5150            | -40.78      | 2          | -                | 56.45      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5180            | Ant1    | 5150            | -51.91      | 2          | 0.14             | 45.46      | Average  | 54             | Pass    |
| NVNT      | a    | 5240            | Ant1    | 5350            | -47.68      | 2          | -                | 49.55      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5240            | Ant1    | 5350            | -56.95      | 2          | 0.14             | 40.42      | Average  | 54             | Pass    |
| NVNT      | a    | 5240            | Ant1    | 5390.16         | -44.06      | 2          | -                | 53.17      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5240            | Ant1    | 5396.4          | -53.92      | 2          | 0.14             | 43.45      | Average  | 54             | Pass    |
| NVNT      | a    | 5240            | Ant1    | 5460            | -49.21      | 2          | -                | 48.02      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5240            | Ant1    | 5460            | -57.1       | 2          | 0.14             | 40.27      | Average  | 54             | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 4500            | -49.85      | 2          | -                | 47.38      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 4500            | -58.69      | 2          | 0.15             | 38.69      | Average  | 54             | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 5148.2          | -44.19      | 2          | -                | 53.04      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 5147.5          | -54.13      | 2          | 0.15             | 43.25      | Average  | 54             | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 5150            | -41.29      | 2          | -                | 55.94      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 5150            | -53.97      | 2          | 0.15             | 43.41      | Average  | 54             | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 5350            | -45.83      | 2          | -                | 51.4       | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 5350            | -56.29      | 2          | 0.14             | 41.08      | Average  | 54             | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 5389.44         | -43.93      | 2          | -                | 53.3       | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 5394.96         | -54.39      | 2          | 0.14             | 42.98      | Average  | 54             | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 5460            | -50.1       | 2          | -                | 47.13      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 5460            | -57.83      | 2          | 0.14             | 39.54      | Average  | 54             | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 4500            | -49.35      | 2          | -                | 47.88      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 4500            | -58.16      | 2          | 0.16             | 39.23      | Average  | 54             | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 5146.78         | -44.55      | 2          | -                | 52.68      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 5149.7          | -53.65      | 2          | 0.16             | 43.74      | Average  | 54             | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 5150            | -45.15      | 2          | -                | 52.08      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 5150            | -53.65      | 2          | 0.16             | 43.74      | Average  | 54             | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 5350            | -49.33      | 2          | -                | 47.9       | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 5350            | -57.13      | 2          | 0.17             | 40.27      | Average  | 54             | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 5389.8          | -45.74      | 2          | -                | 51.49      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 5386.83         | -55.65      | 2          | 0.17             | 41.75      | Average  | 54             | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 5460            | -49.44      | 2          | -                | 47.79      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 5460            | -56.3       | 2          | 0.17             | 41.1       | Average  | 54             | Pass    |



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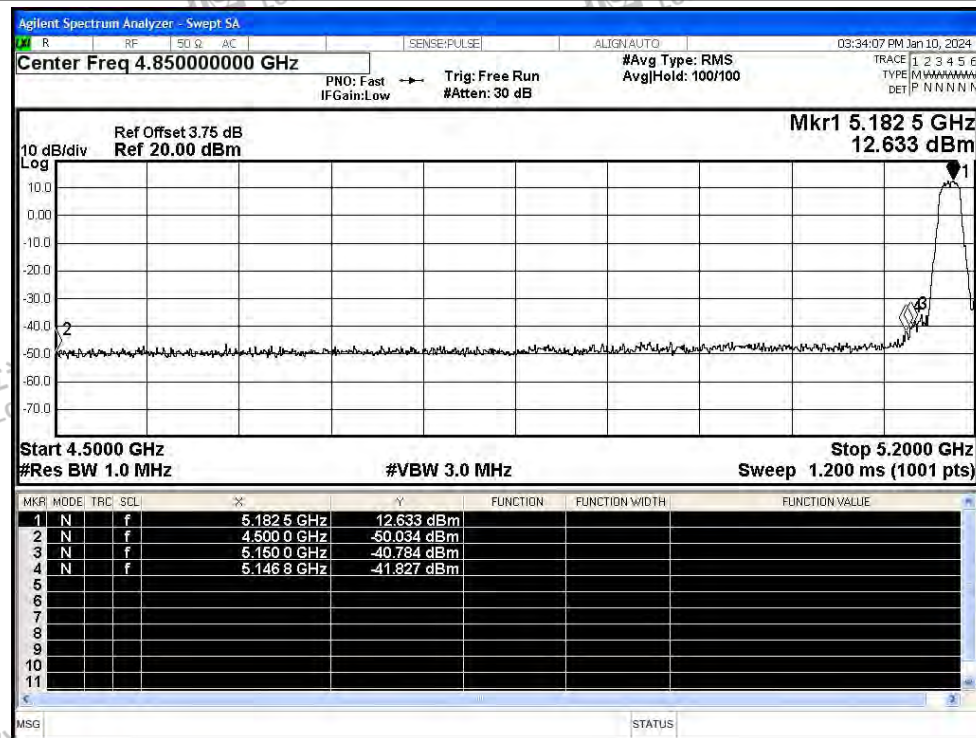
|      |      |      |      |         |        |   |      |       |         |      |      |
|------|------|------|------|---------|--------|---|------|-------|---------|------|------|
| NVNT | ac20 | 5180 | Ant1 | 4500    | -49.24 | 2 | -    | 47.99 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5180 | Ant1 | 4500    | -58.37 | 2 | 0.14 | 39    | Average | 54   | Pass |
| NVNT | ac20 | 5180 | Ant1 | 5146.8  | -44.5  | 2 | -    | 52.73 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5180 | Ant1 | 5149.6  | -54.69 | 2 | 0.14 | 42.68 | Average | 54   | Pass |
| NVNT | ac20 | 5180 | Ant1 | 5150    | -45.94 | 2 | -    | 51.29 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5180 | Ant1 | 5150    | -55.35 | 2 | 0.14 | 42.02 | Average | 54   | Pass |
| NVNT | ac20 | 5240 | Ant1 | 5350    | -49.69 | 2 | -    | 47.54 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5240 | Ant1 | 5350    | -58.03 | 2 | 0.14 | 39.34 | Average | 54   | Pass |
| NVNT | ac20 | 5240 | Ant1 | 5392.08 | -45.55 | 2 | -    | 51.68 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5240 | Ant1 | 5391.6  | -54.83 | 2 | 0.14 | 42.54 | Average | 54   | Pass |
| NVNT | ac20 | 5240 | Ant1 | 5460    | -48.93 | 2 | -    | 48.3  | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5240 | Ant1 | 5460    | -57.98 | 2 | 0.14 | 39.39 | Average | 54   | Pass |
| NVNT | ac40 | 5190 | Ant1 | 4500    | -50.77 | 2 | -    | 46.46 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5190 | Ant1 | 4500    | -58.47 | 2 | 0.17 | 38.93 | Average | 54   | Pass |
| NVNT | ac40 | 5190 | Ant1 | 5148.24 | -43.88 | 2 | -    | 53.35 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5190 | Ant1 | 5148.97 | -52.64 | 2 | 0.17 | 44.76 | Average | 54   | Pass |
| NVNT | ac40 | 5190 | Ant1 | 5150    | -44.58 | 2 | -    | 52.65 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5190 | Ant1 | 5150    | -52.94 | 2 | 0.17 | 44.46 | Average | 54   | Pass |
| NVNT | ac40 | 5230 | Ant1 | 5350    | -49.82 | 2 | -    | 47.41 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5230 | Ant1 | 5350    | -57.24 | 2 | 0.17 | 40.16 | Average | 54   | Pass |
| NVNT | ac40 | 5230 | Ant1 | 5376.3  | -45.99 | 2 | -    | 51.24 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5230 | Ant1 | 5380.08 | -55.74 | 2 | 0.17 | 41.66 | Average | 54   | Pass |
| NVNT | ac40 | 5230 | Ant1 | 5460    | -49.46 | 2 | -    | 47.77 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5230 | Ant1 | 5460    | -56.85 | 2 | 0.17 | 40.55 | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant1 | 5350    | -46.96 | 2 | -    | 50.27 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant1 | 5350    | -55.4  | 2 | 0.34 | 42.17 | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant1 | 5383.11 | -44.78 | 2 | -    | 52.45 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant1 | 5356.05 | -55.16 | 2 | 0.34 | 42.41 | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant1 | 5460    | -47.66 | 2 | -    | 49.57 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant1 | 5460    | -56.93 | 2 | 0.34 | 40.64 | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant1 | 4500    | -51.29 | 2 | -    | 45.94 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant1 | 4500    | -58.94 | 2 | 0.34 | 38.63 | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant1 | 5149.38 | -41.7  | 2 | -    | 55.53 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant1 | 5144.64 | -51.13 | 2 | 0.34 | 46.44 | Average | 54   | Pass |
| NVNT | ac80 | 5210 | Ant1 | 5150    | -42.23 | 2 | -    | 55    | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5210 | Ant1 | 5150    | -51.83 | 2 | 0.34 | 45.74 | Average | 54   | Pass |



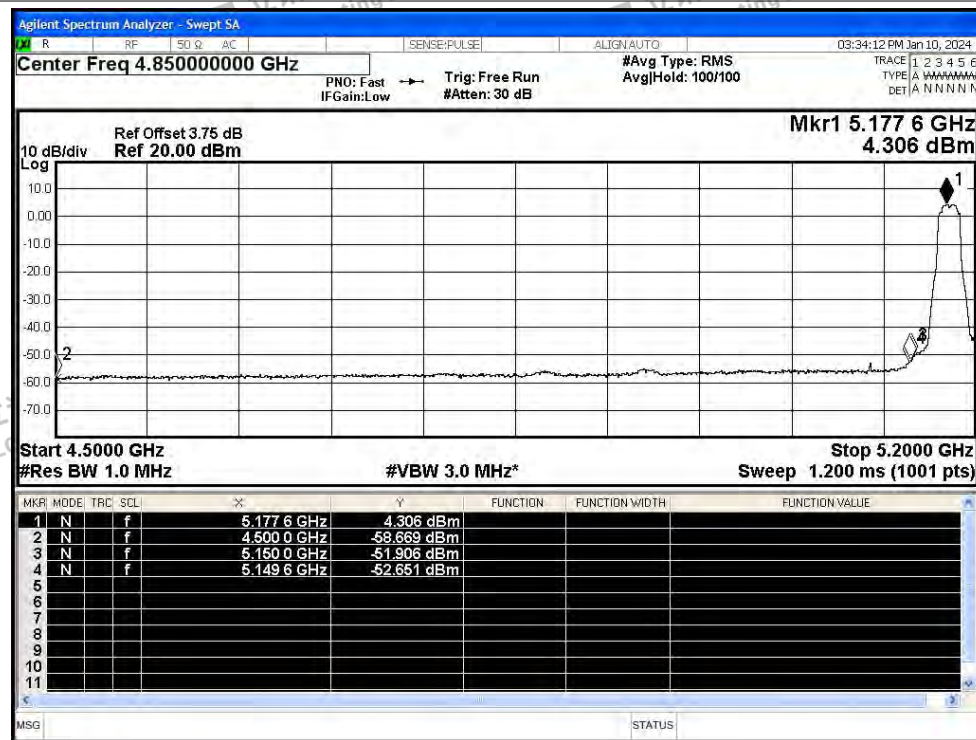


## Test Graphs

## Restrict Band NVNT a 5180MHz Ant1 Peak



## Restrict Band NVNT a 5180MHz 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

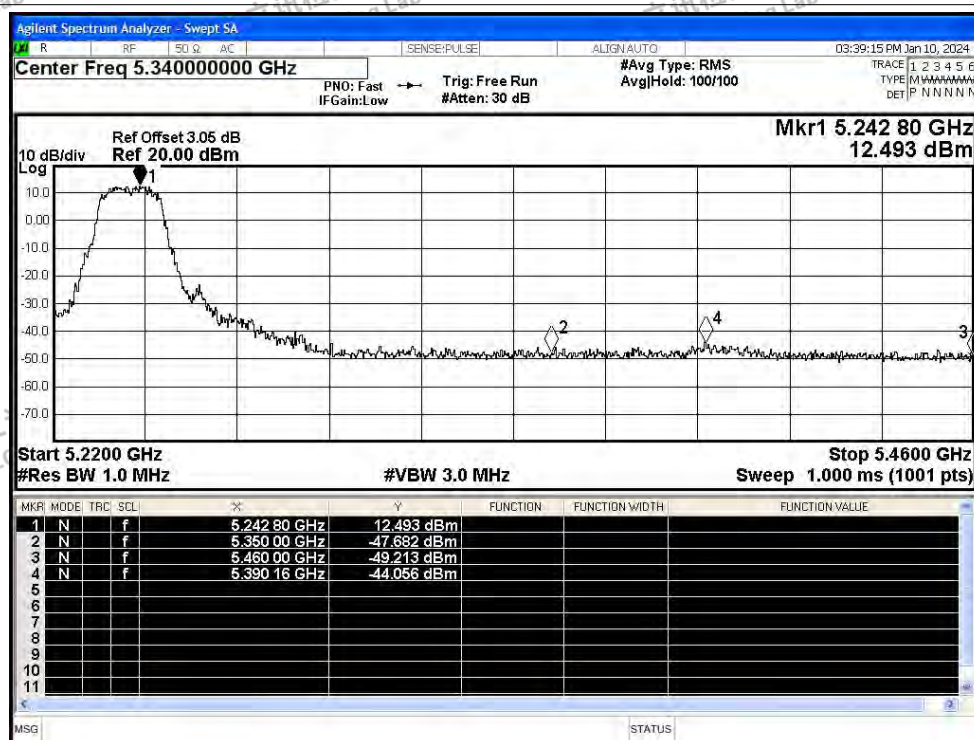
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

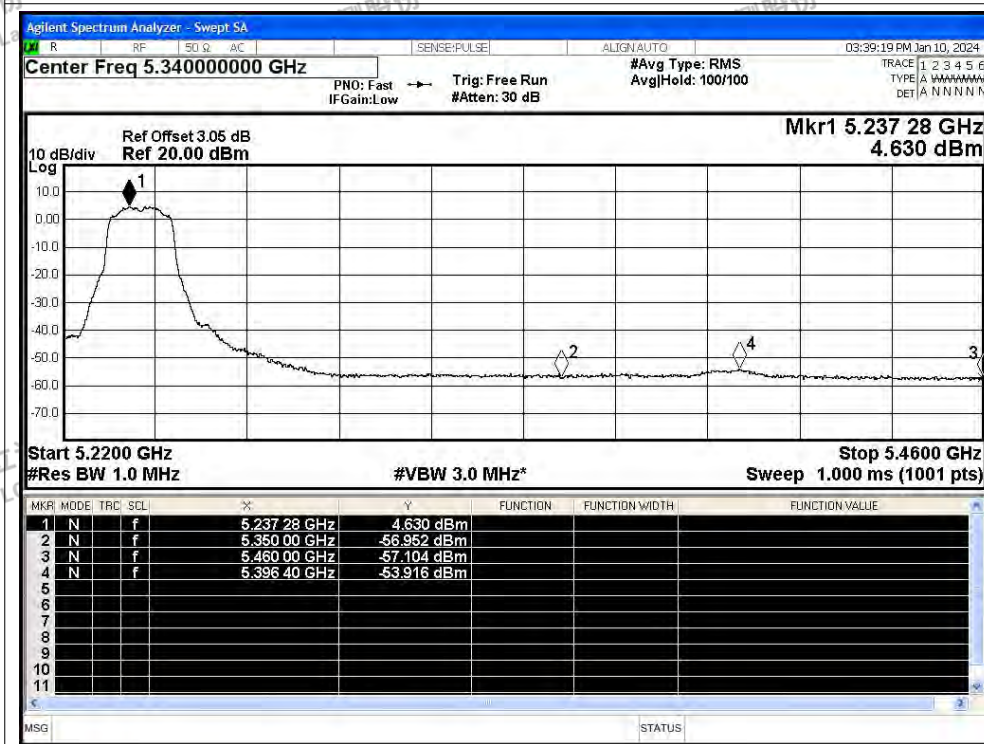




## Restrict Band NVNT a 5240MHz Ant1 Peak



## Restrict Band NVNT a 5240MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

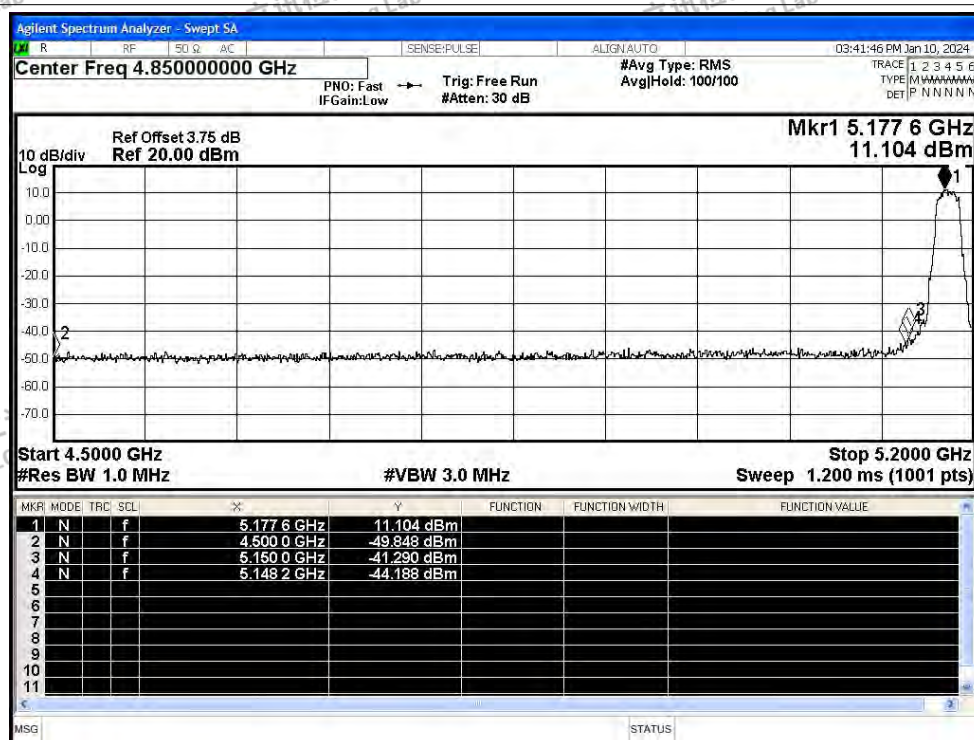
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

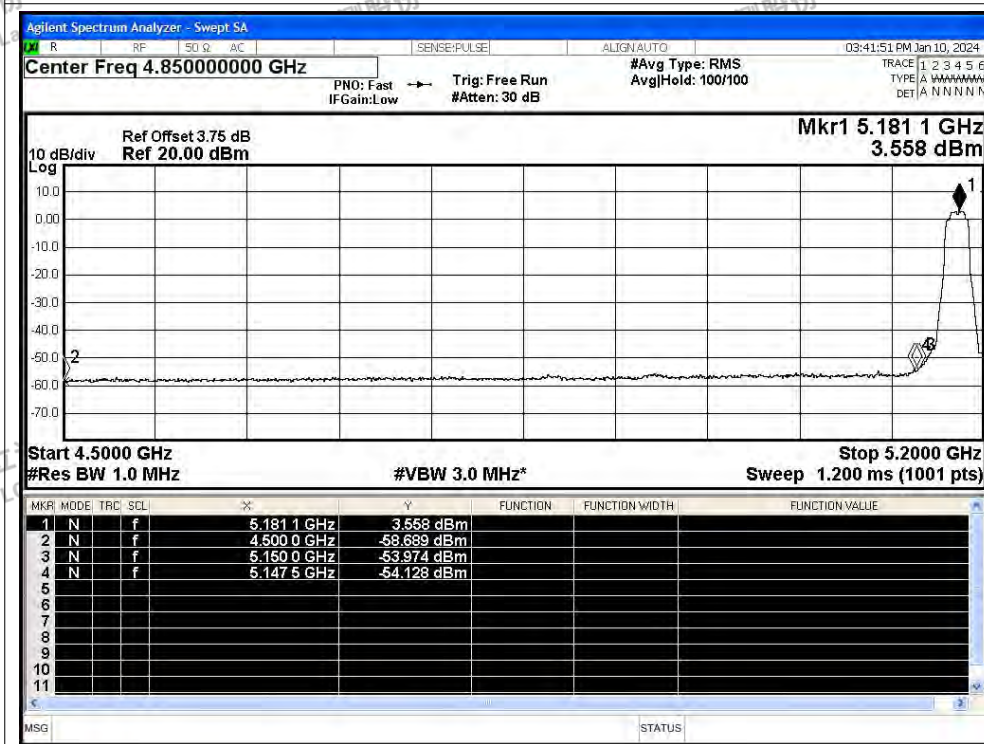
Scan code to check authenticity



## Restrict Band NVNT n20 5180MHz Ant1 Peak



## Restrict Band NVNT n20 5180MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

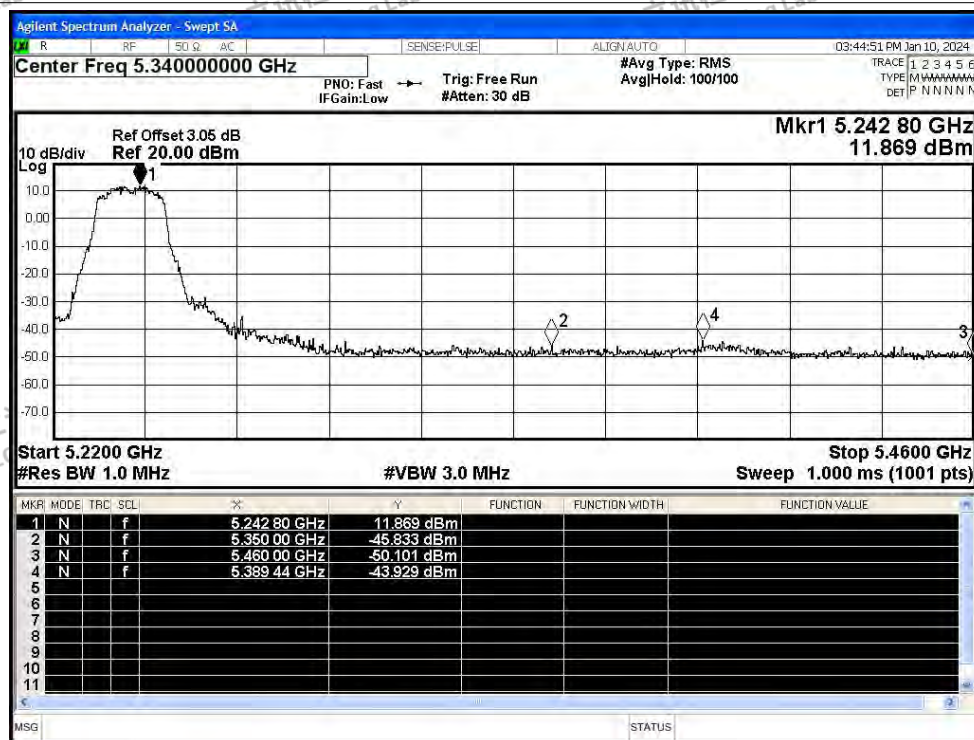
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

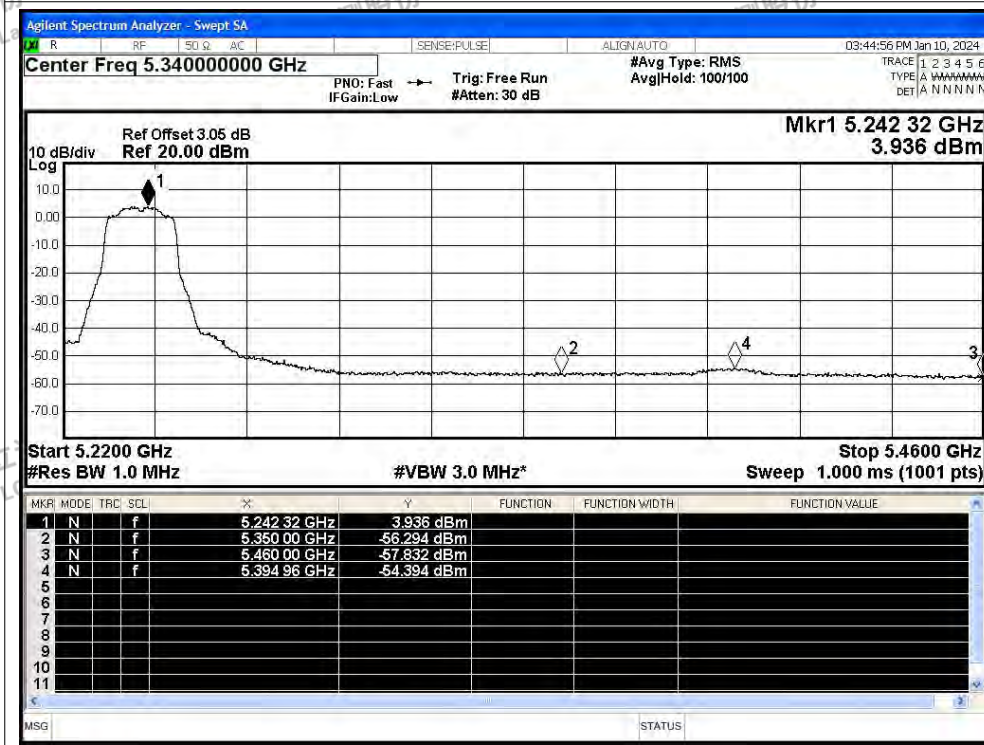
Scan code to check authenticity



## Restrict Band NVNT n20 5240MHz Ant1 Peak



## Restrict Band NVNT n20 5240MHz 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

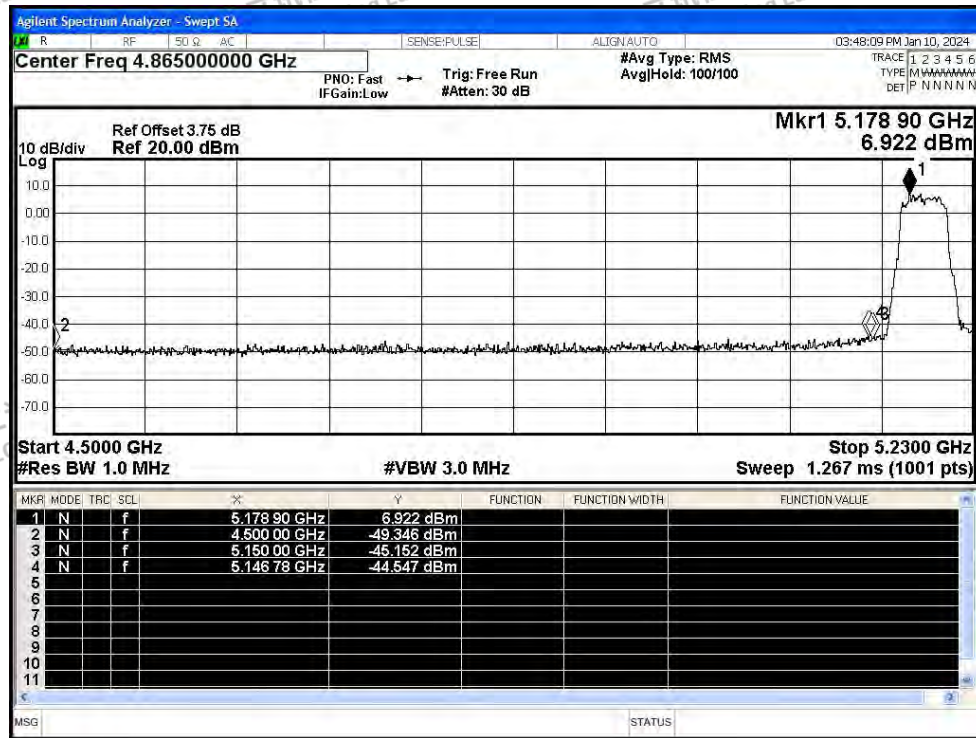
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

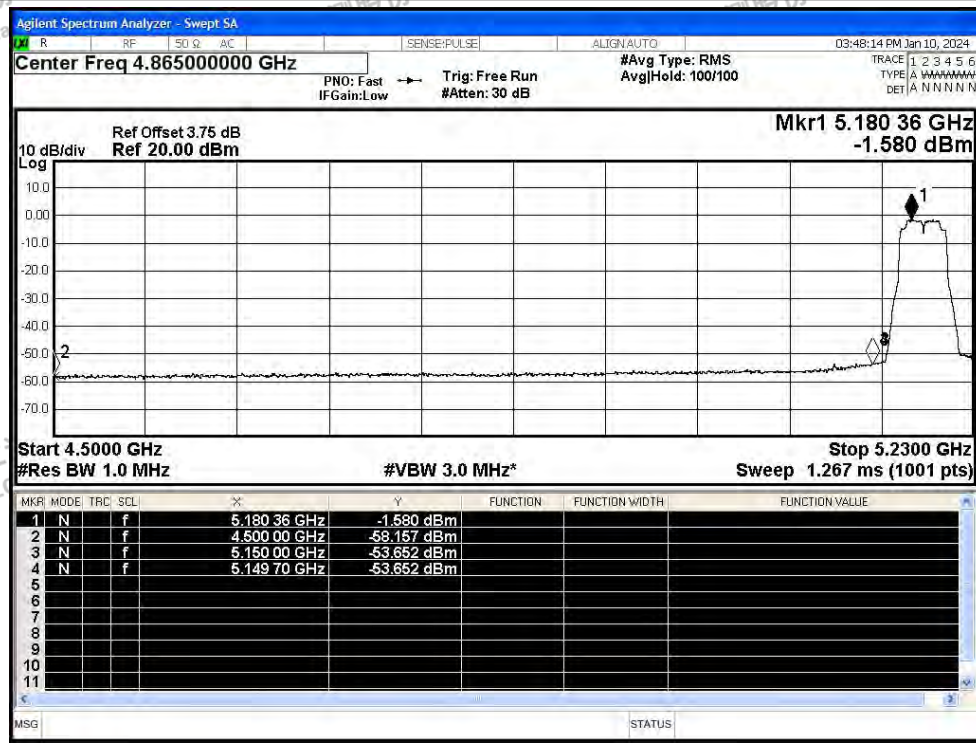




## Restrict Band NVNT n40 5190MHz Ant1 Peak



## Restrict Band NVNT n40 5190MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

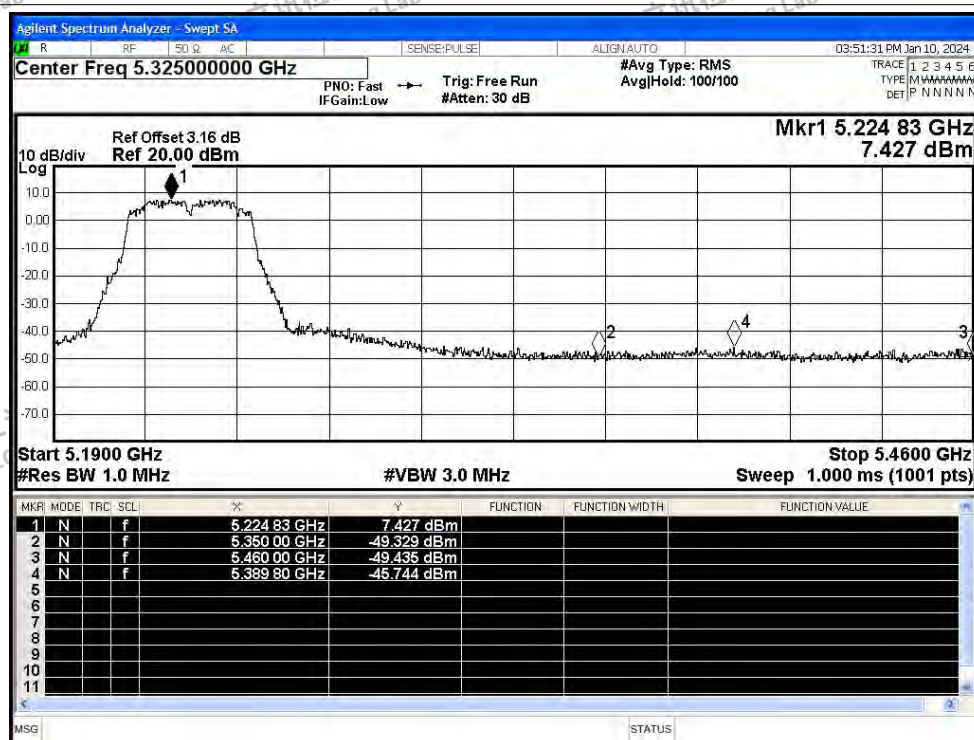
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

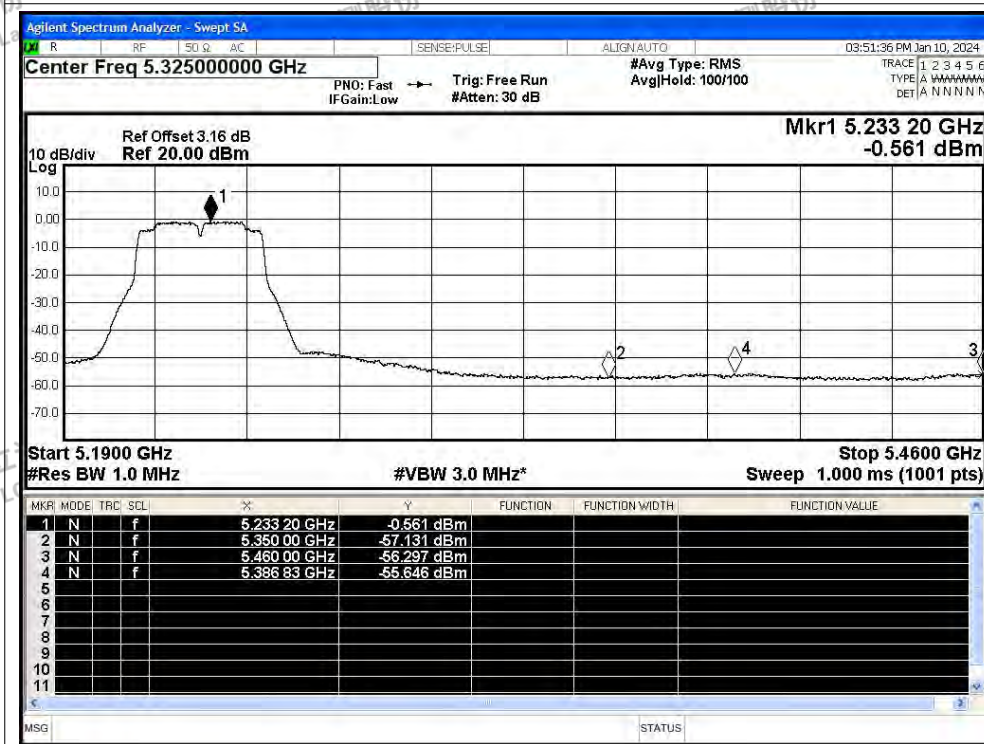
Scan code to check authenticity



## Restrict Band NVNT n40 5230MHz Ant1 Peak



## Restrict Band NVNT n40 5230MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

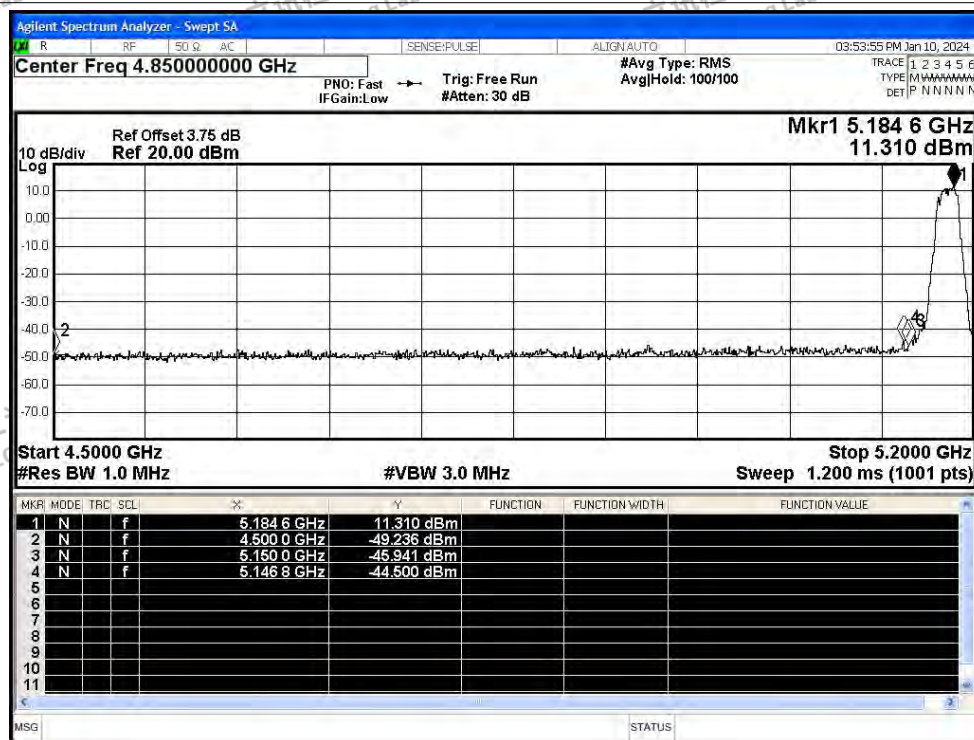
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

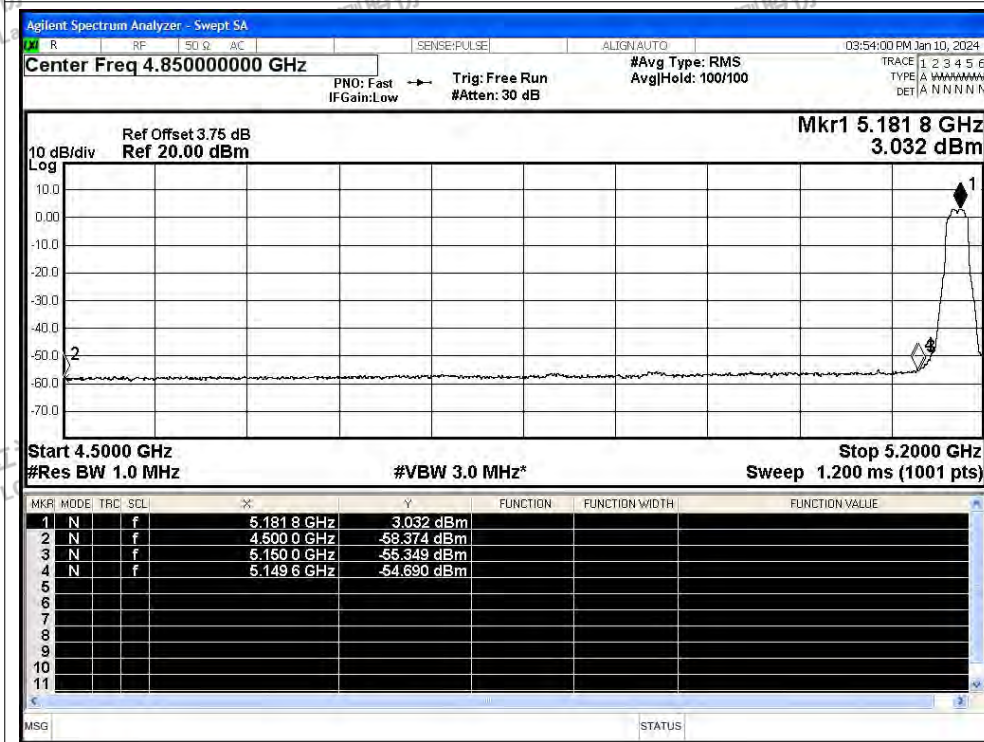
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## Restrict Band NVNT ac20 5180MHz Ant1 Peak



## Restrict Band NVNT ac20 5180MHz 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

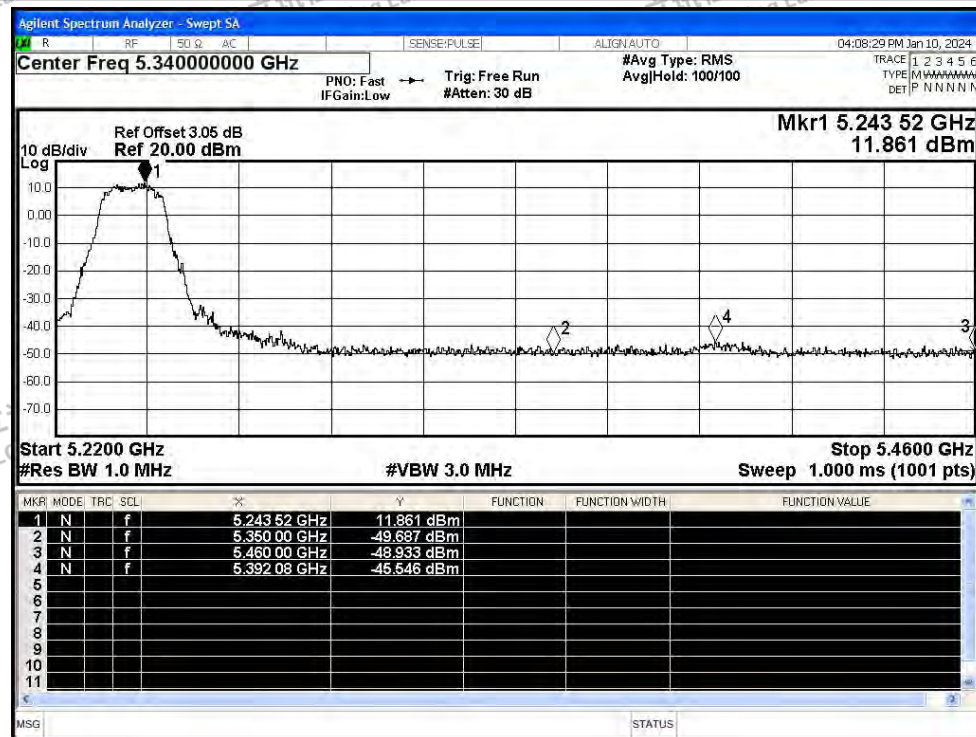
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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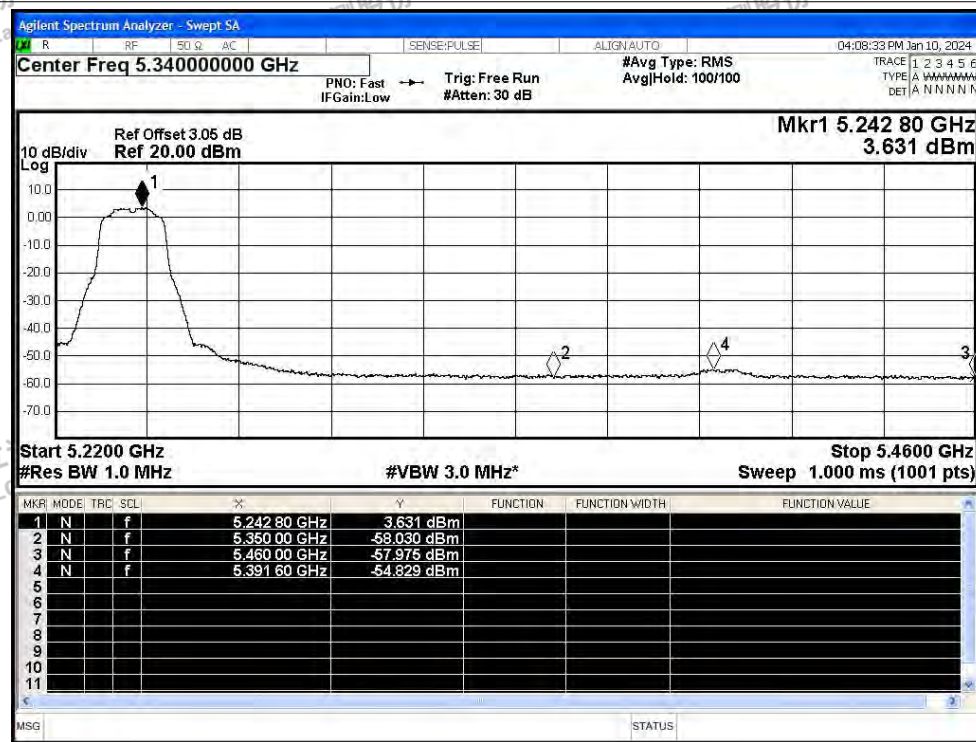




## Restrict Band NVNT ac20 5240MHz Ant1 Peak



## Restrict Band NVNT ac20 5240MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

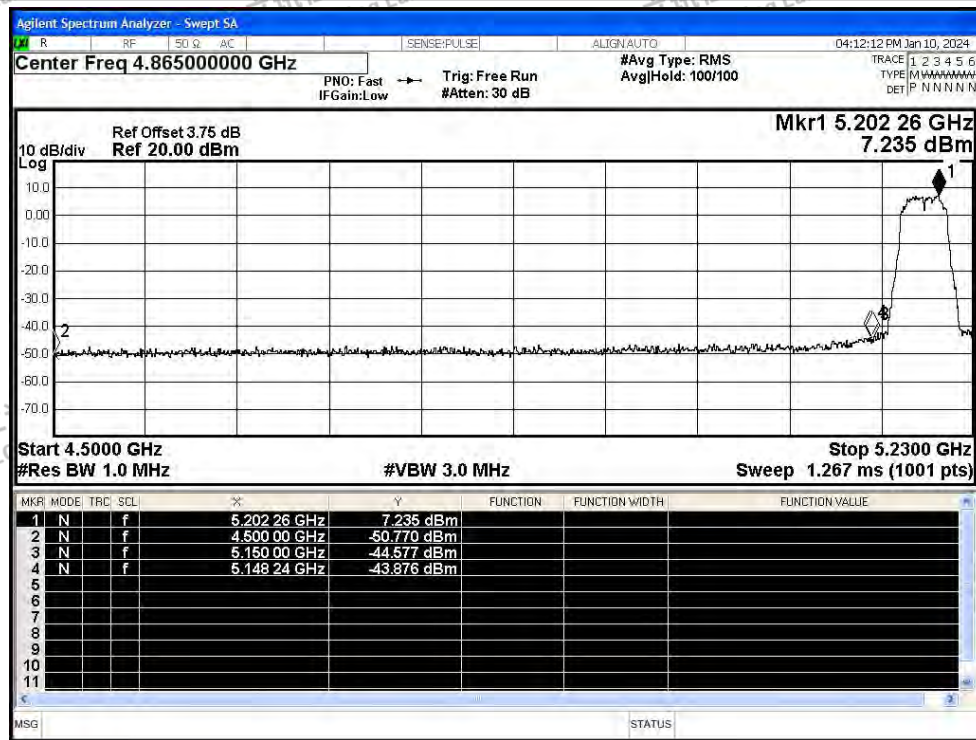
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

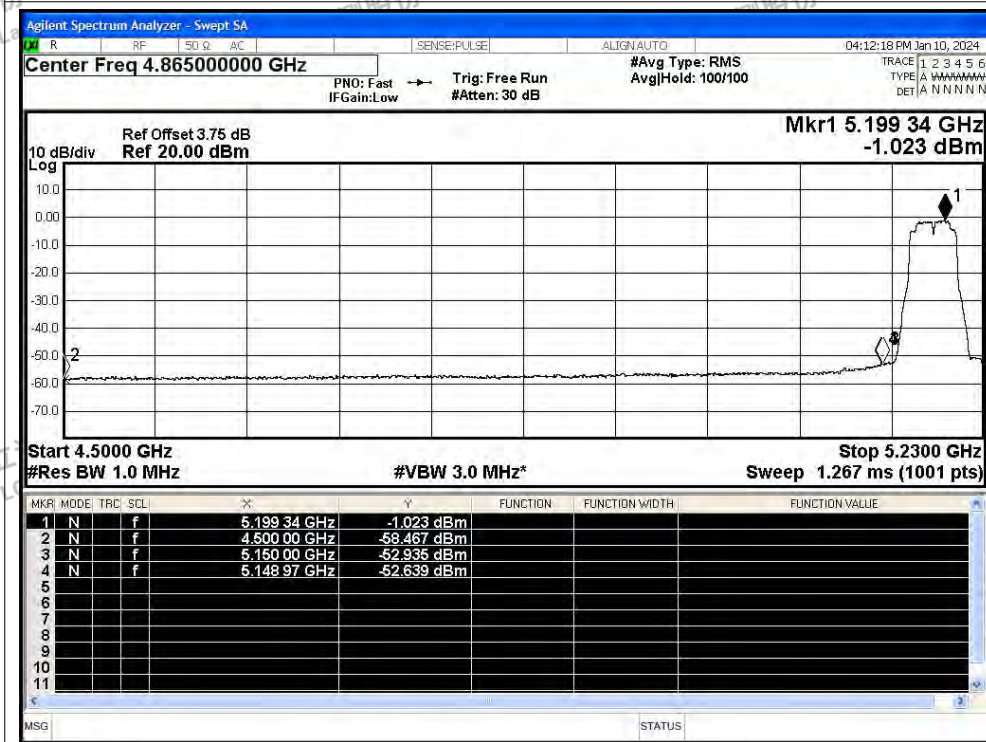
Scan code to check authenticity



## Restrict Band NVNT ac40 5190MHz Ant1 Peak



## Restrict Band NVNT ac40 5190MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

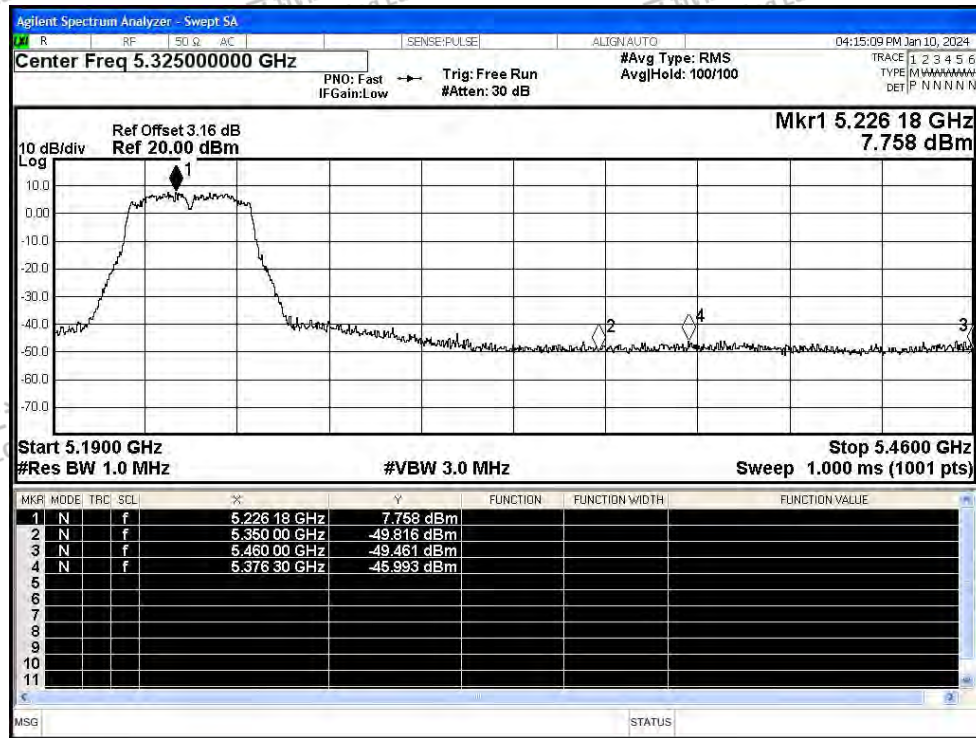
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

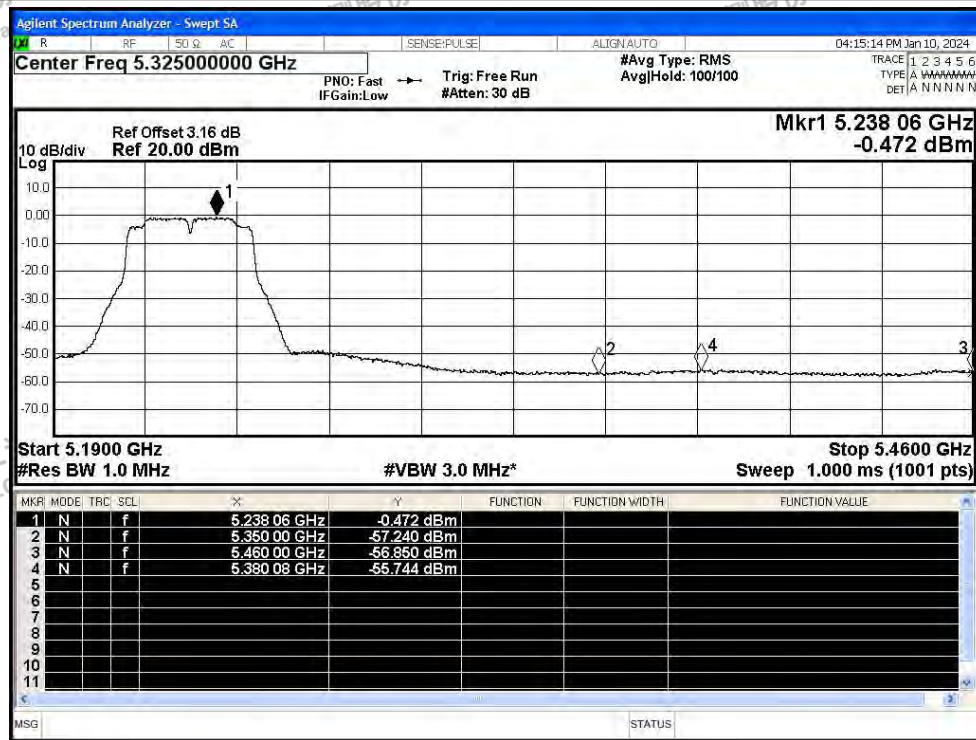
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## Restrict Band NVNT ac40 5230MHz Ant1 Peak



## Restrict Band NVNT ac40 5230MHz 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

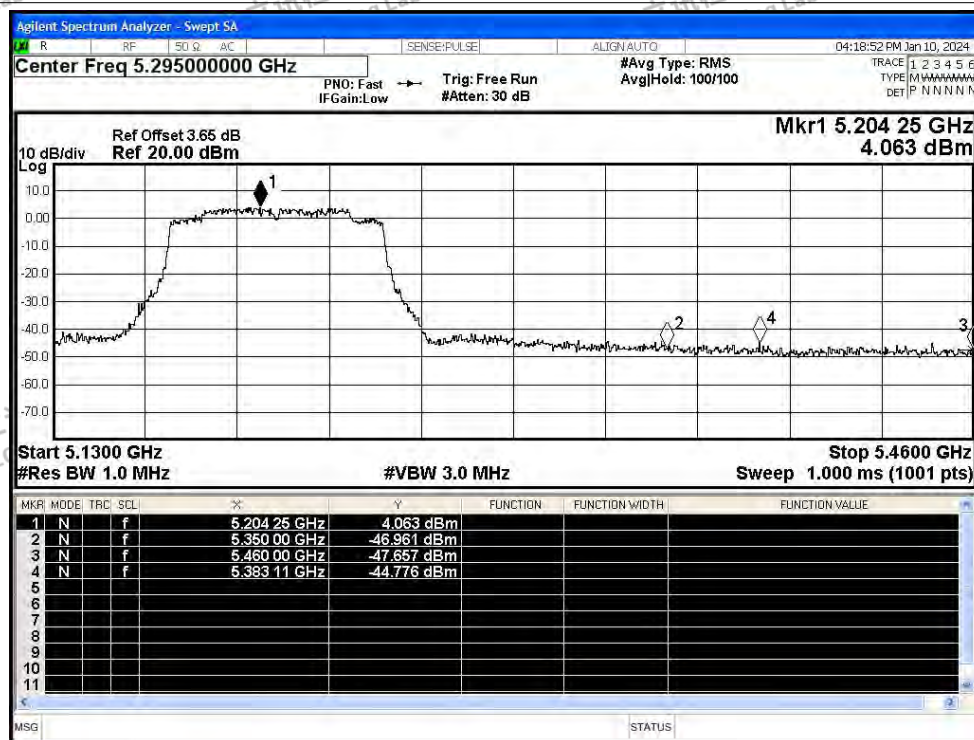
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

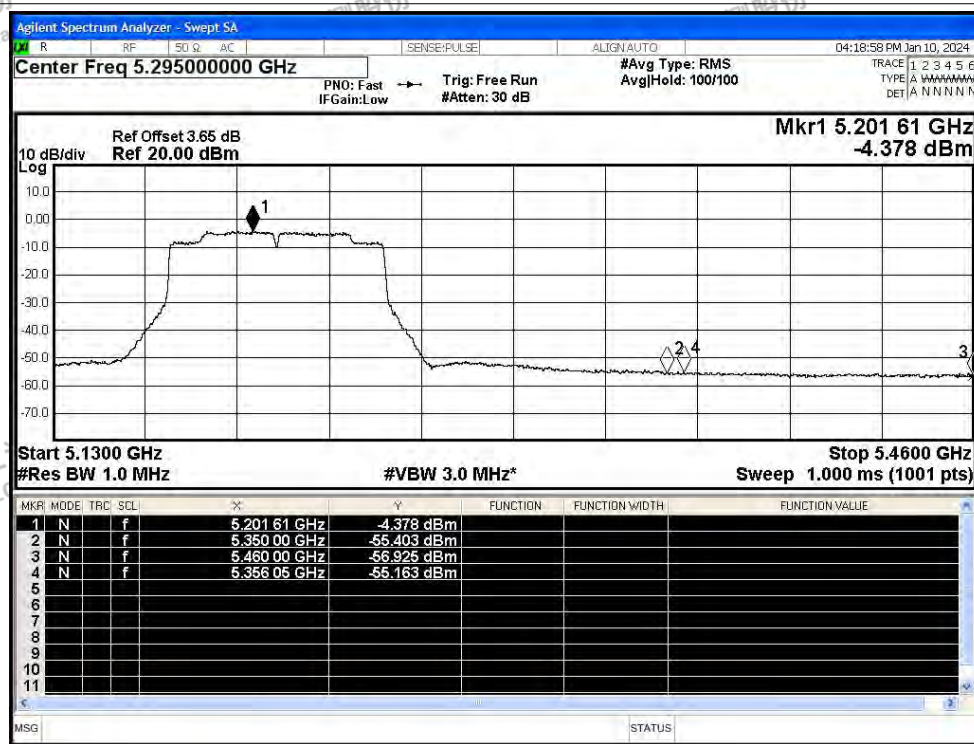




## Restrict Band NVNT ac80 5210MHz Ant1 Peak



## Restrict Band NVNT ac80 5210MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

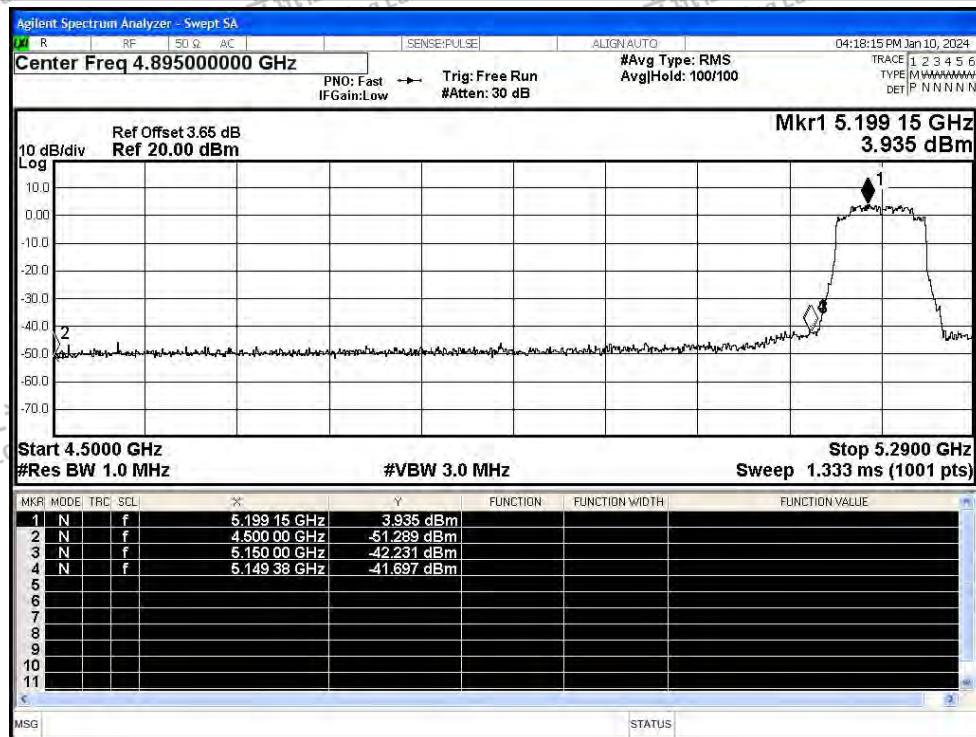
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

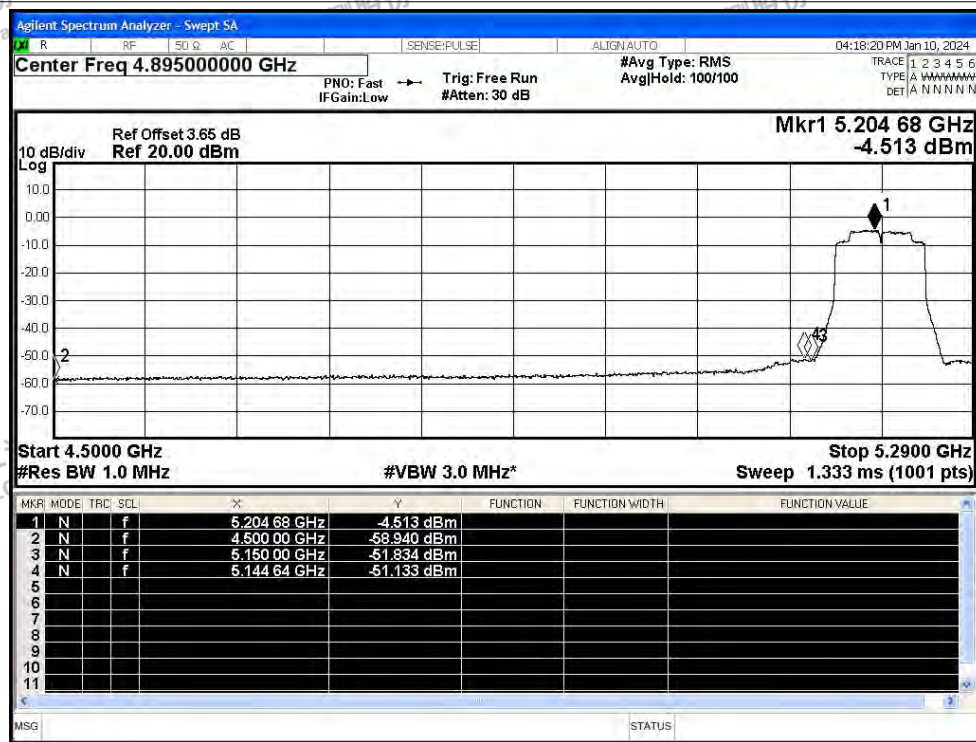
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## Restrict Band NVNT ac80 5210MHz Ant1 Peak



## Restrict Band NVNT ac80 5210MHz Ant1 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      | ac20 | 5180            | Ant1    | 5180                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 5199.98                  | -20000               | -3.85           | 25          | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | 5239.98                  | -20000               | -3.82           | 25          | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | 5189.96                  | -40000               | -7.71           | 25          | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | 5229.96                  | -40000               | -7.65           | 25          | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | 5209.92                  | -80000               | -15.36          | 25          | Pass    |

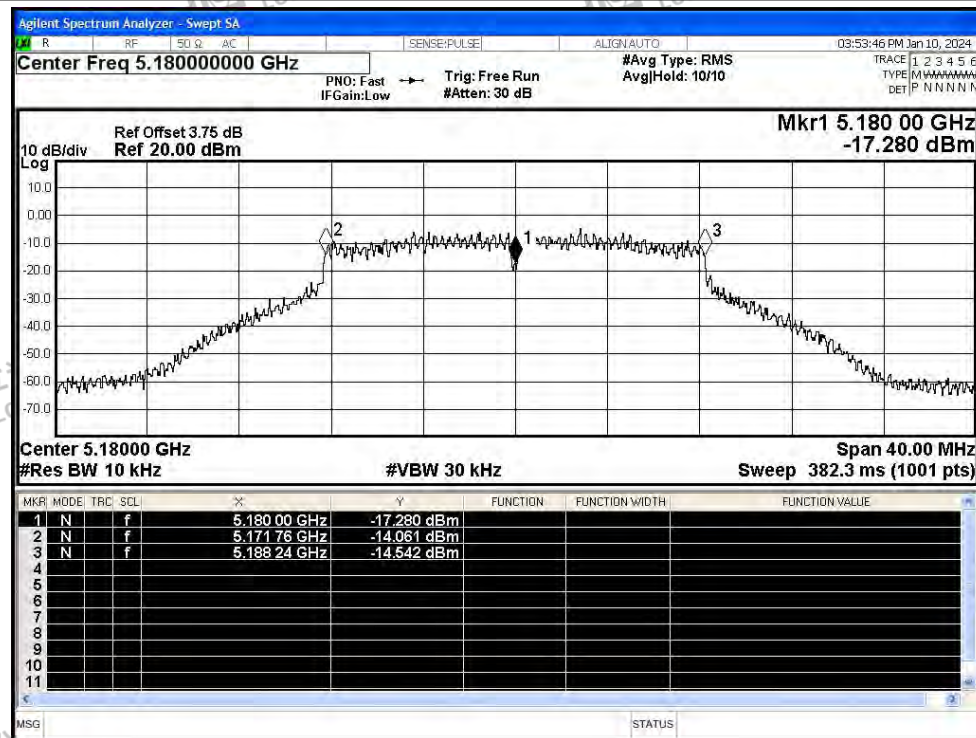




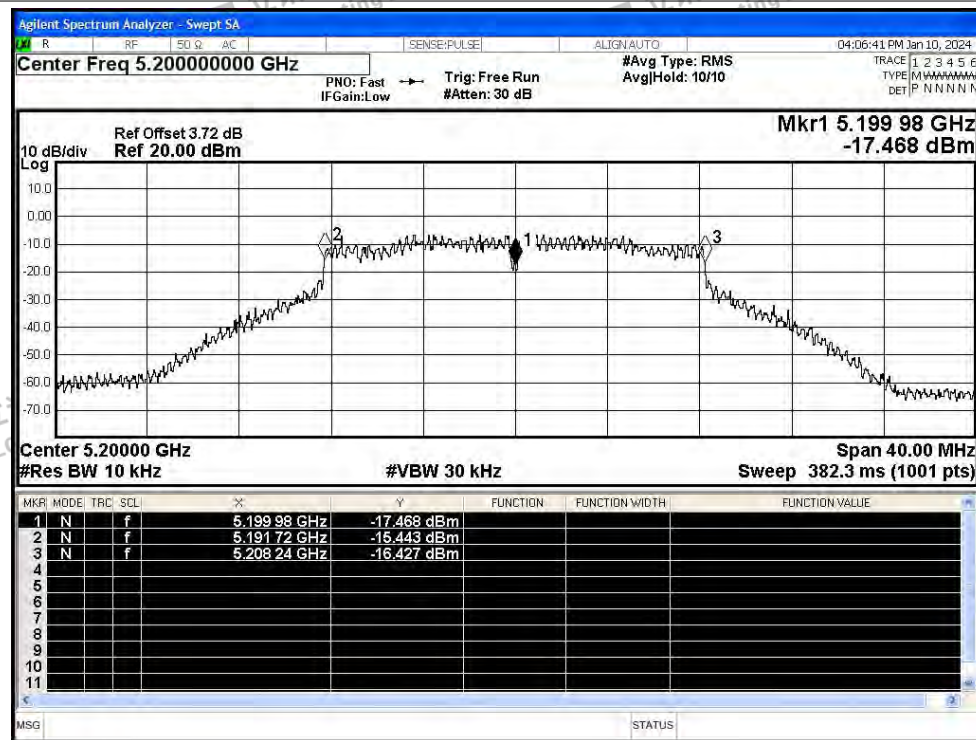


## Test Graphs

Freq. Stability NVNT ac20 5180MHz Ant1



Freq. Stability NVNT ac20 5200MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

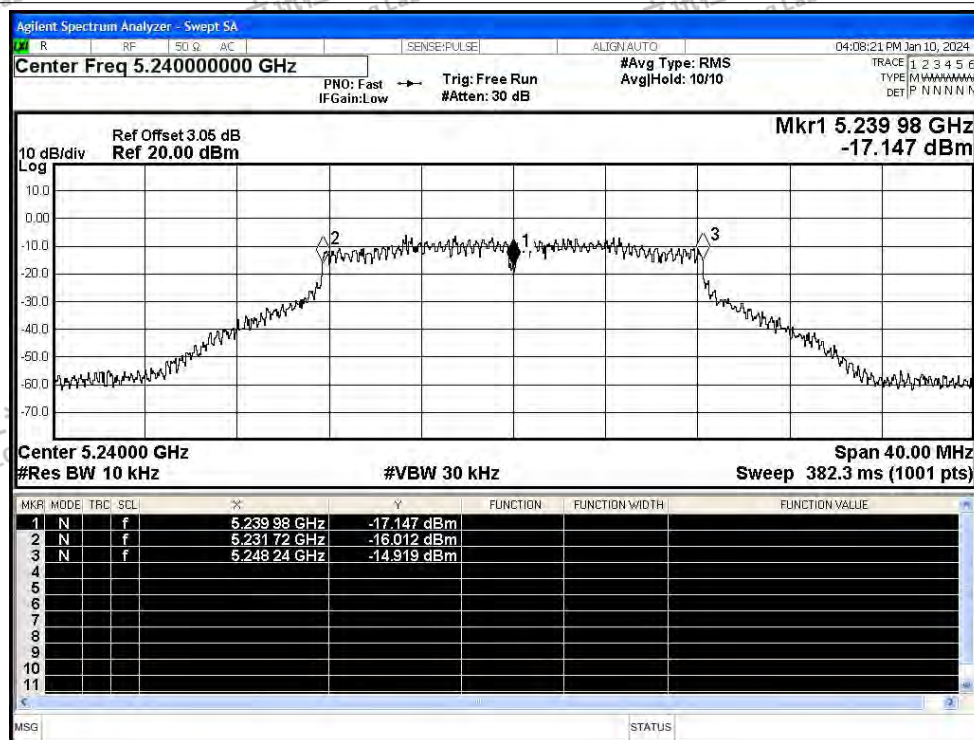
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

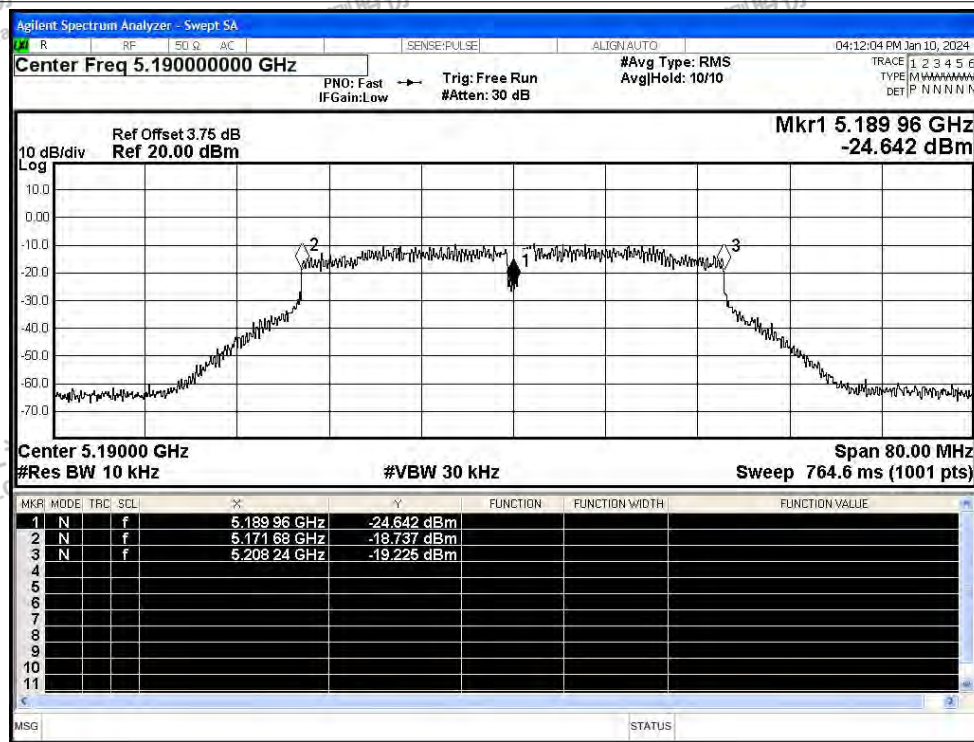
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## Freq. Stability NVNT ac20 5240MHz Ant1



## Freq. Stability NVNT ac40 5190MHz Ant1



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

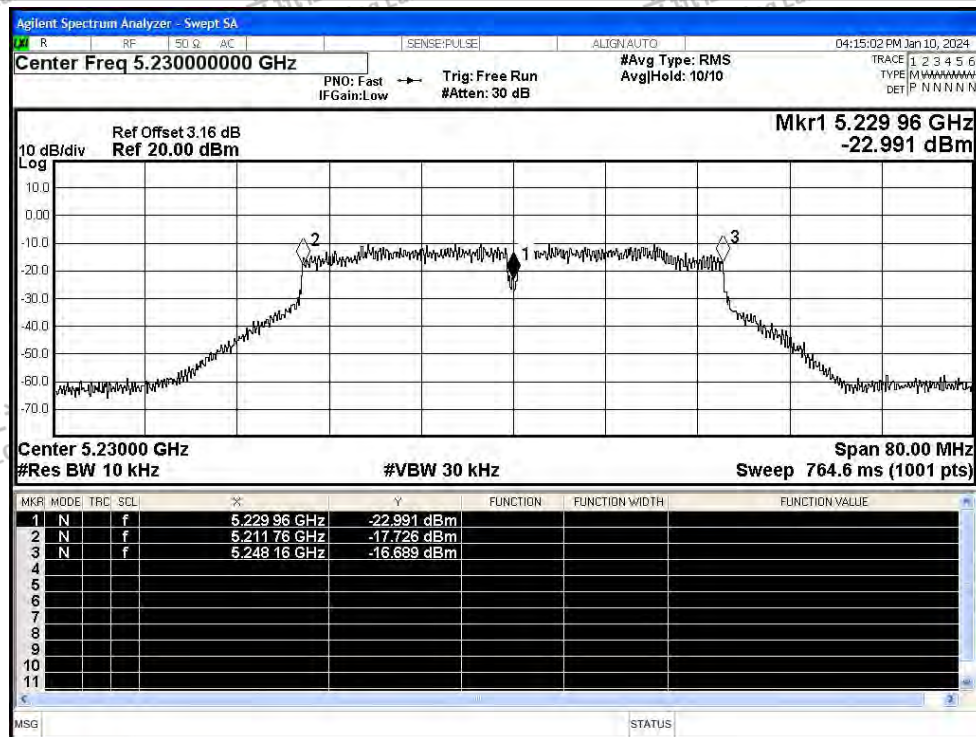
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

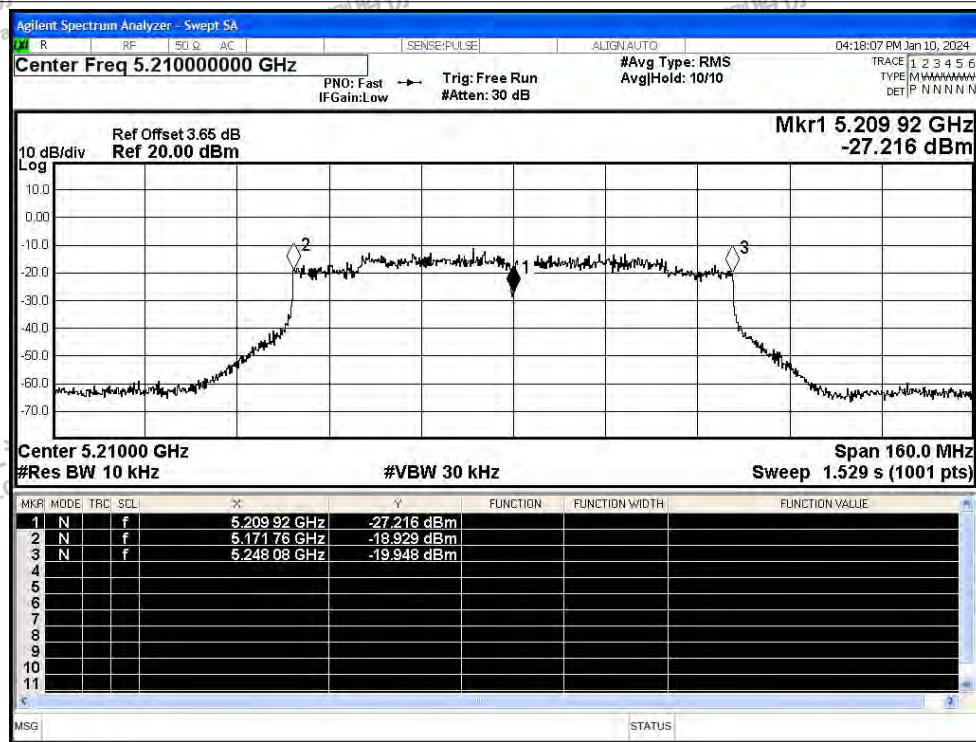




## Freq. Stability NVNT ac40 5230MHz Ant1



## Freq. Stability NVNT ac80 5210MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

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## D.6 Duty Cycle

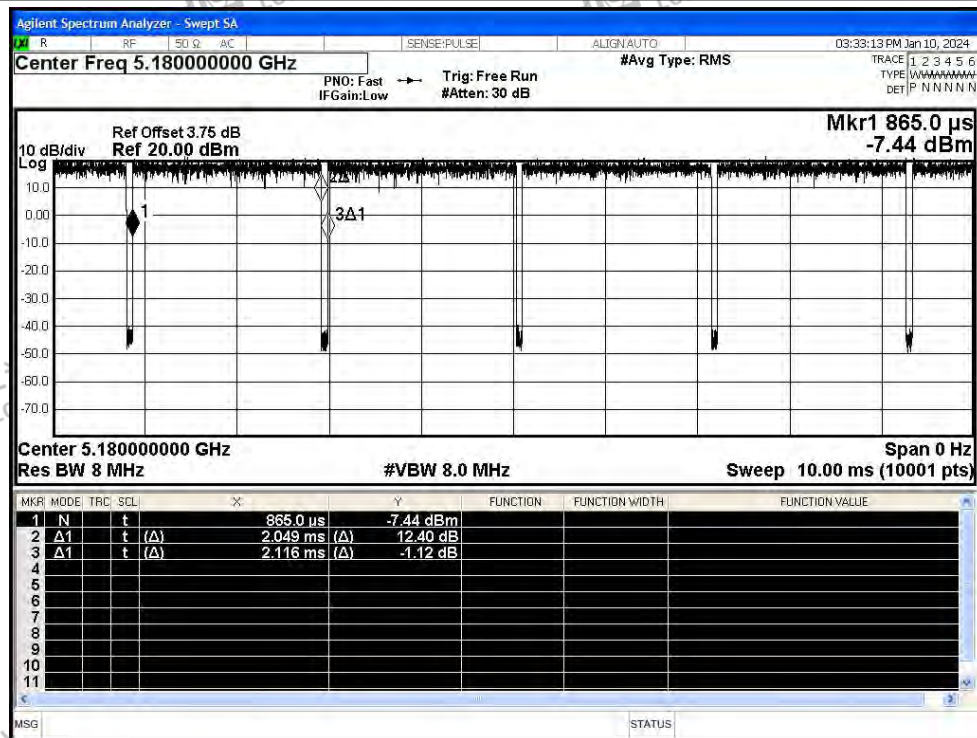
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5180            | Ant1    | 96.83          | 0.14                   | 0.49      |
| NVNT      | a    | 5200            | Ant1    | 96.79          | 0.14                   | 0.49      |
| NVNT      | a    | 5240            | Ant1    | 96.79          | 0.14                   | 0.49      |
| NVNT      | n20  | 5180            | Ant1    | 96.71          | 0.15                   | 0.52      |
| NVNT      | n20  | 5200            | Ant1    | 96.76          | 0.14                   | 0.52      |
| NVNT      | n20  | 5240            | Ant1    | 96.76          | 0.14                   | 0.52      |
| NVNT      | n40  | 5190            | Ant1    | 96.3           | 0.16                   | 1.07      |
| NVNT      | n40  | 5230            | Ant1    | 96.2           | 0.17                   | 1.07      |
| NVNT      | ac20 | 5180            | Ant1    | 96.78          | 0.14                   | 0.49      |
| NVNT      | ac20 | 5200            | Ant1    | 96.74          | 0.14                   | 0.49      |
| NVNT      | ac20 | 5240            | Ant1    | 96.79          | 0.14                   | 0.49      |
| NVNT      | ac40 | 5190            | Ant1    | 96.2           | 0.17                   | 1.07      |
| NVNT      | ac40 | 5230            | Ant1    | 96.2           | 0.17                   | 1.07      |
| NVNT      | ac80 | 5210            | Ant1    | 92.56          | 0.34                   | 2.17      |



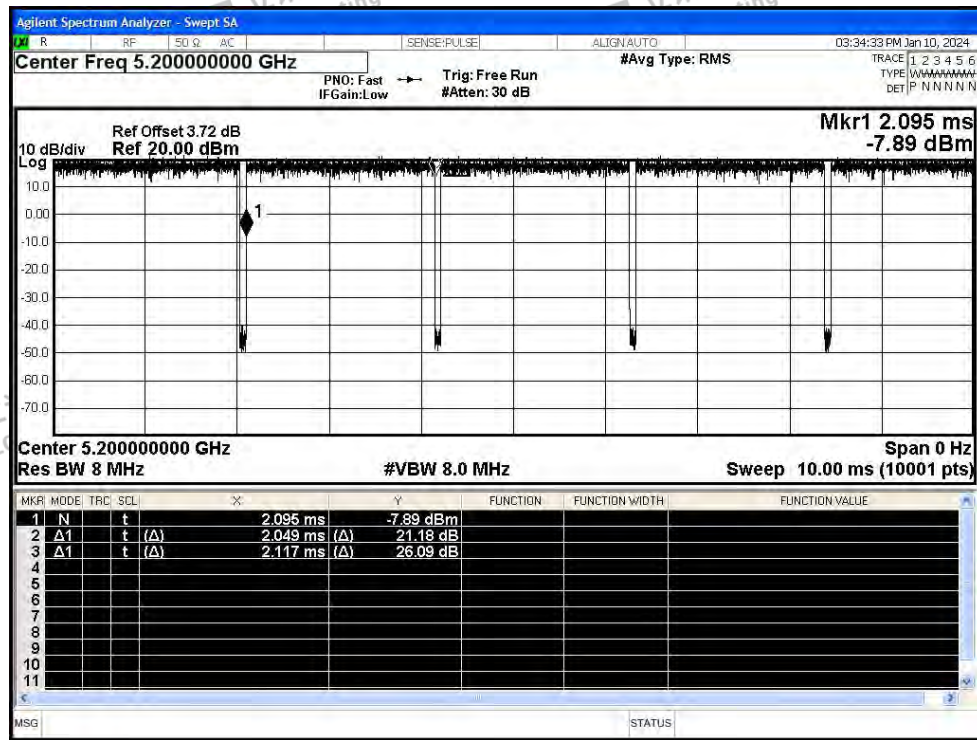


## Test Graphs

## Duty Cycle NVNT a 5180MHz Ant1



## Duty Cycle NVNT a 5200MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

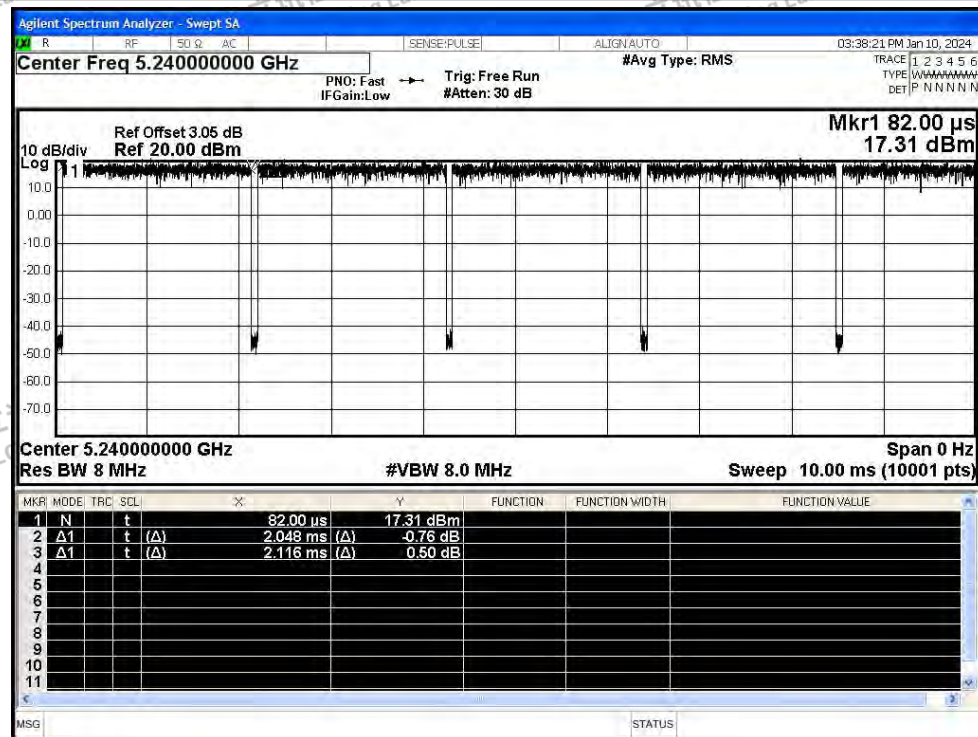
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

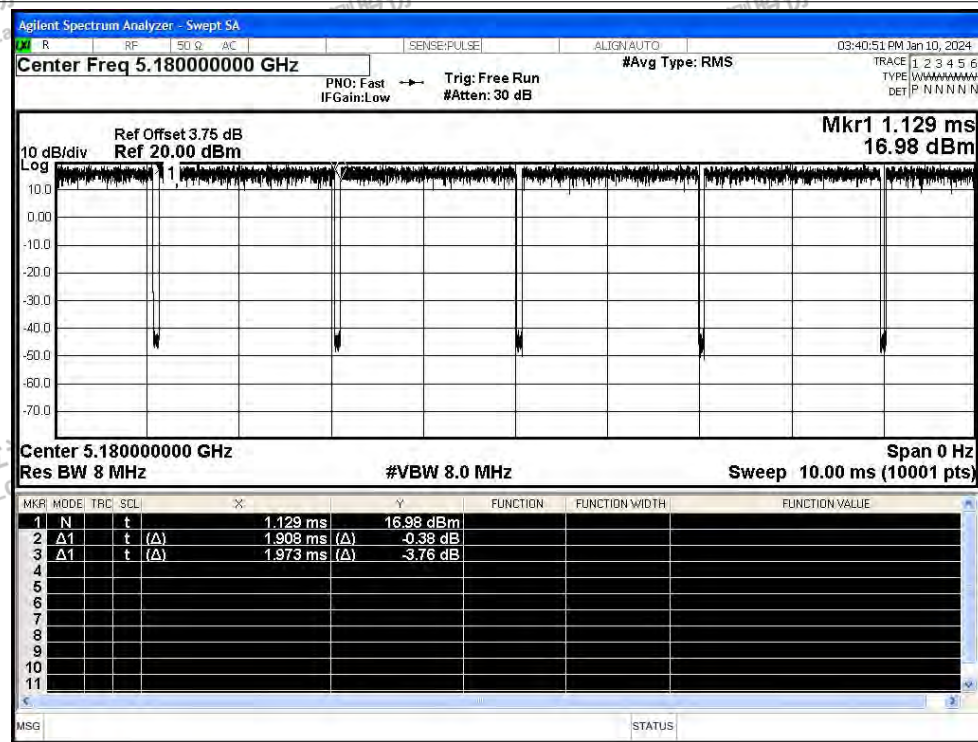
Scan code to check authenticity



## Duty Cycle NVNT a 5240MHz Ant1



## Duty Cycle NVNT n20 5180MHz Ant1



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

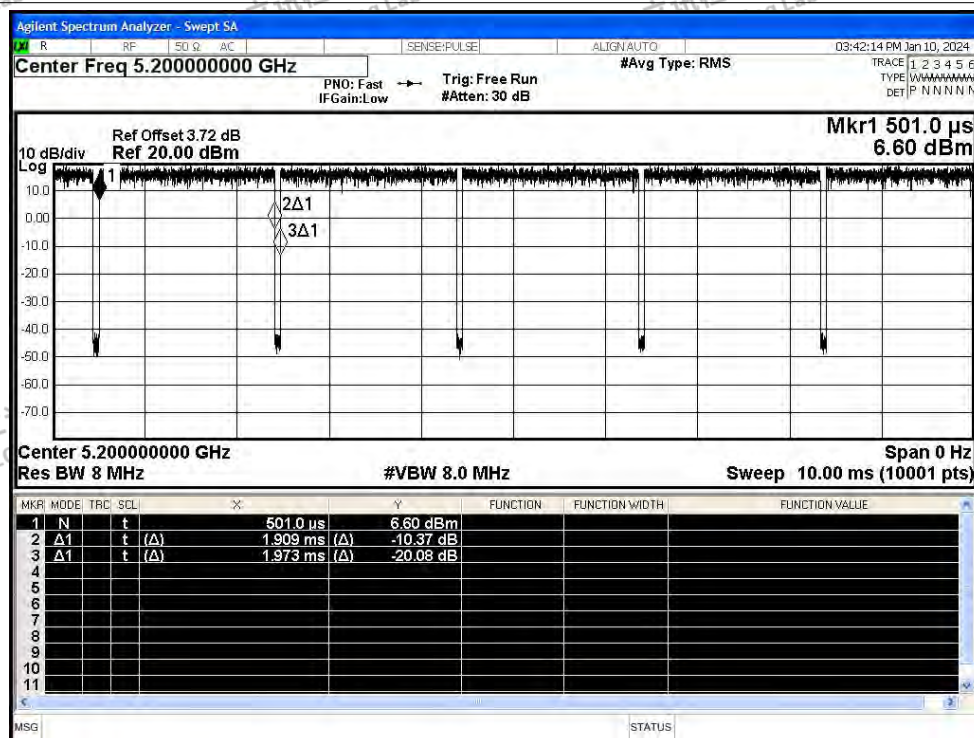
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

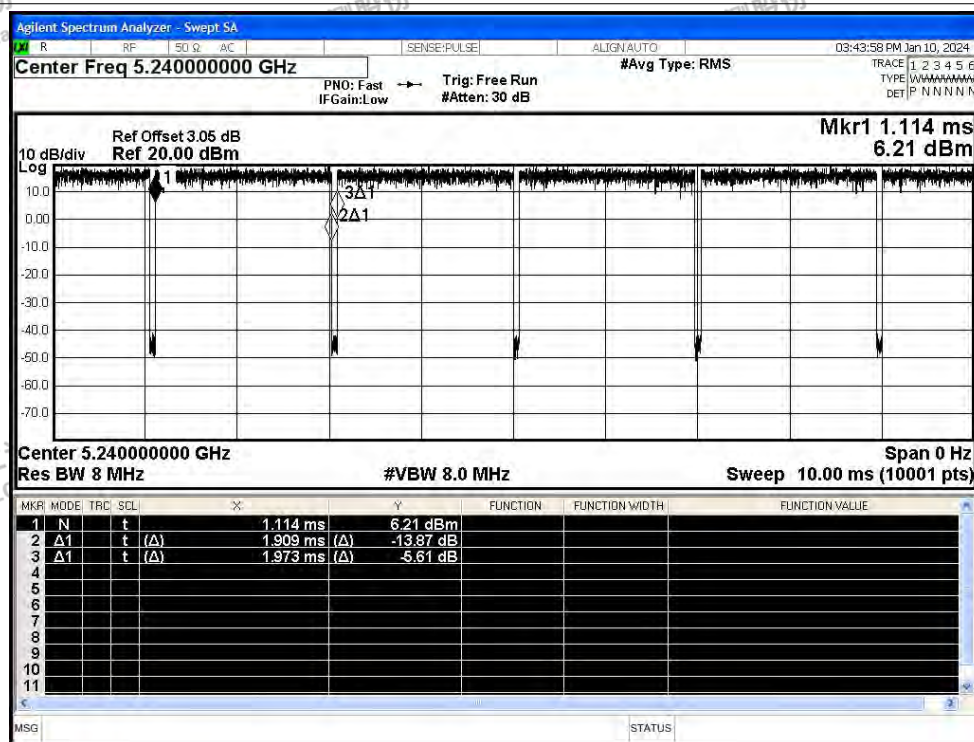




## Duty Cycle NVNT n20 5200MHz Ant1



## Duty Cycle NVNT n20 5240MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

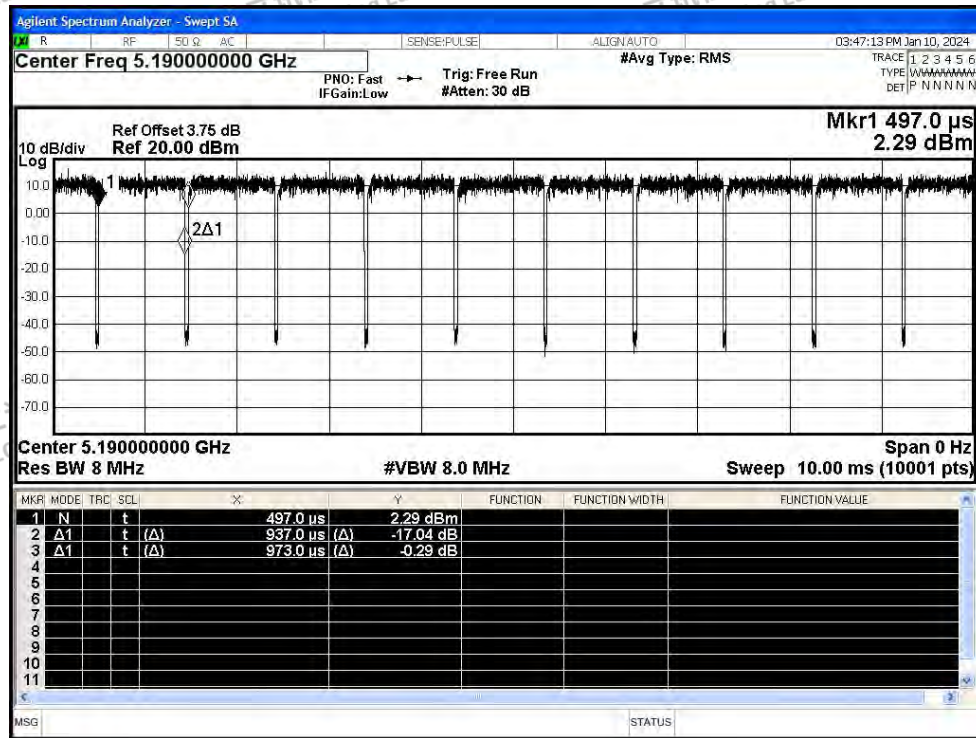
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

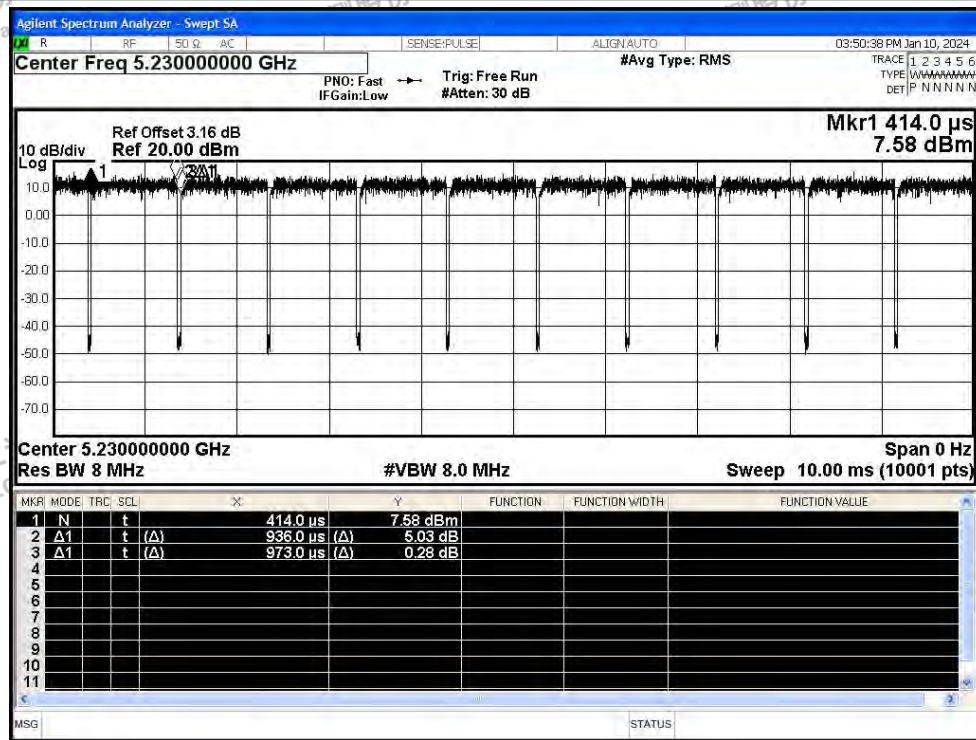
Scan code to check authenticity



## Duty Cycle NVNT n40 5190MHz Ant1



## Duty Cycle NVNT n40 5230MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

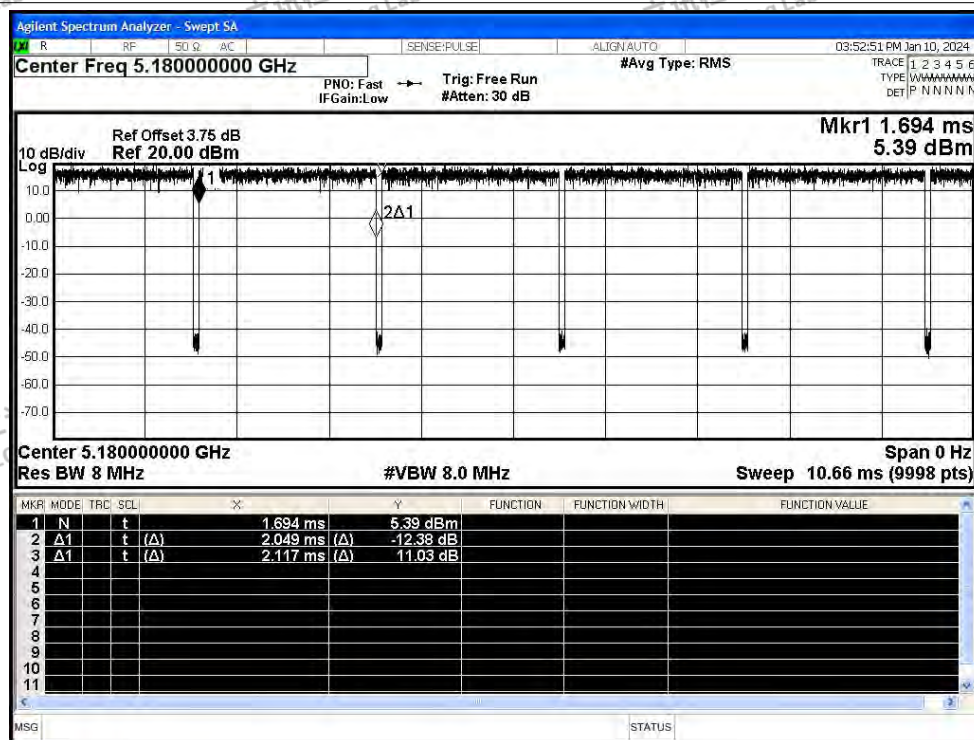
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

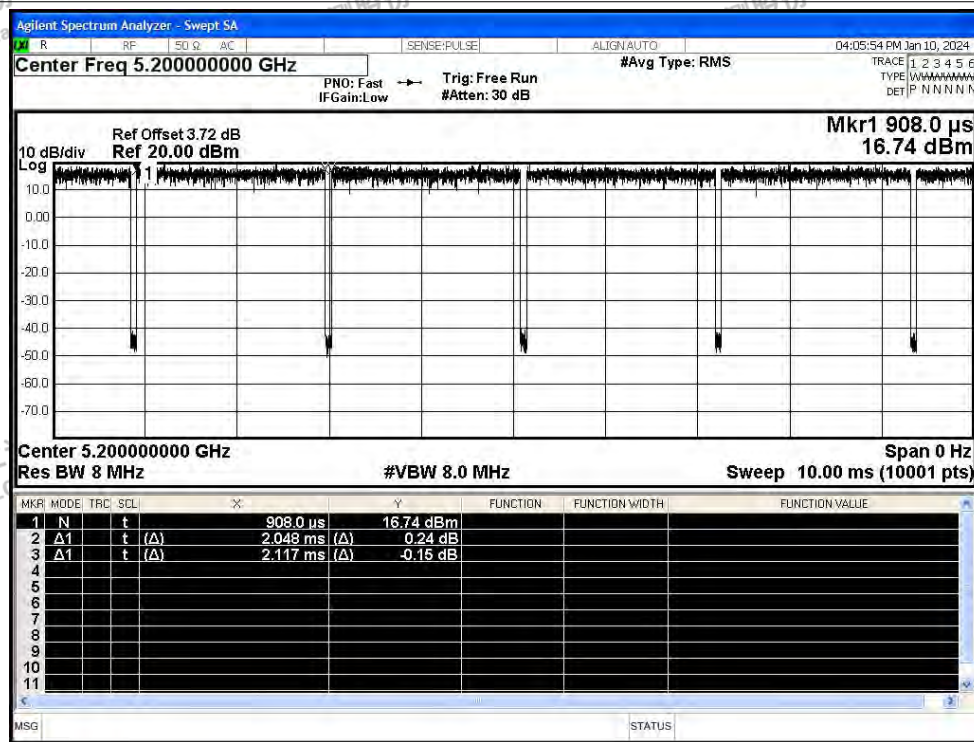
Scan code to check authenticity



## Duty Cycle NVNT ac20 5180MHz Ant1



## Duty Cycle NVNT ac20 5200MHz Ant1



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

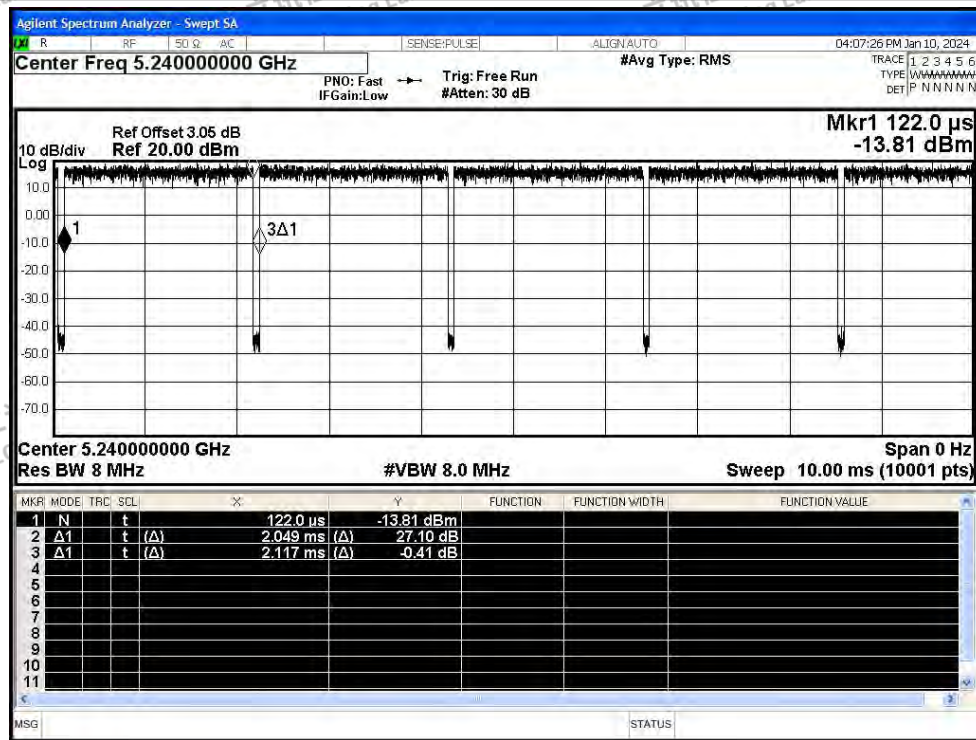
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

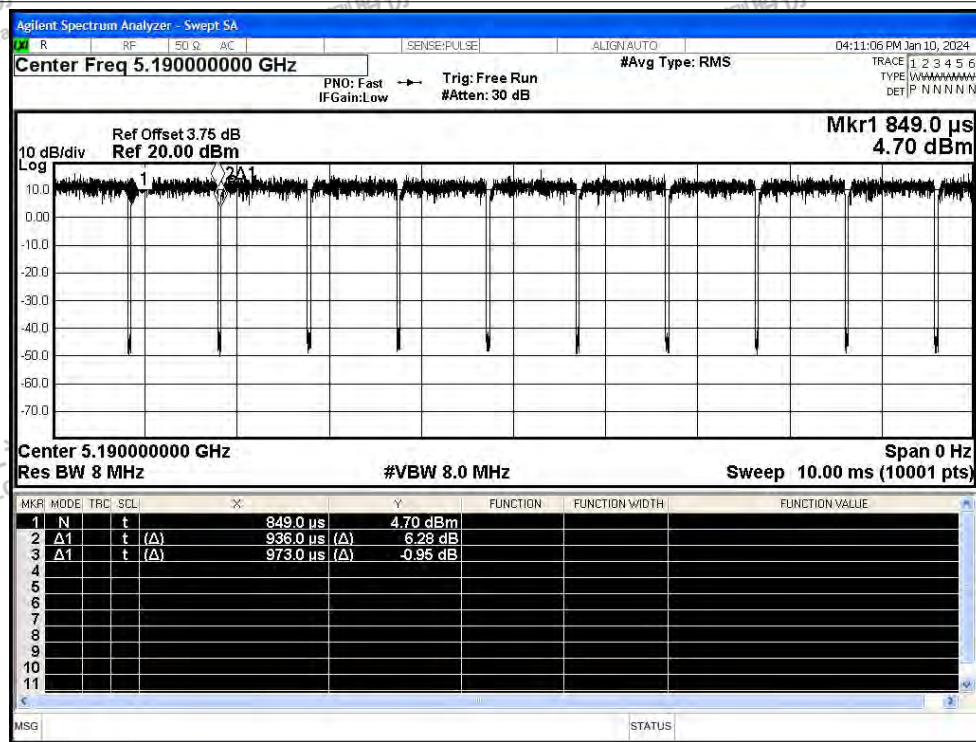




## Duty Cycle NVNT ac20 5240MHz Ant1



## Duty Cycle NVNT ac40 5190MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

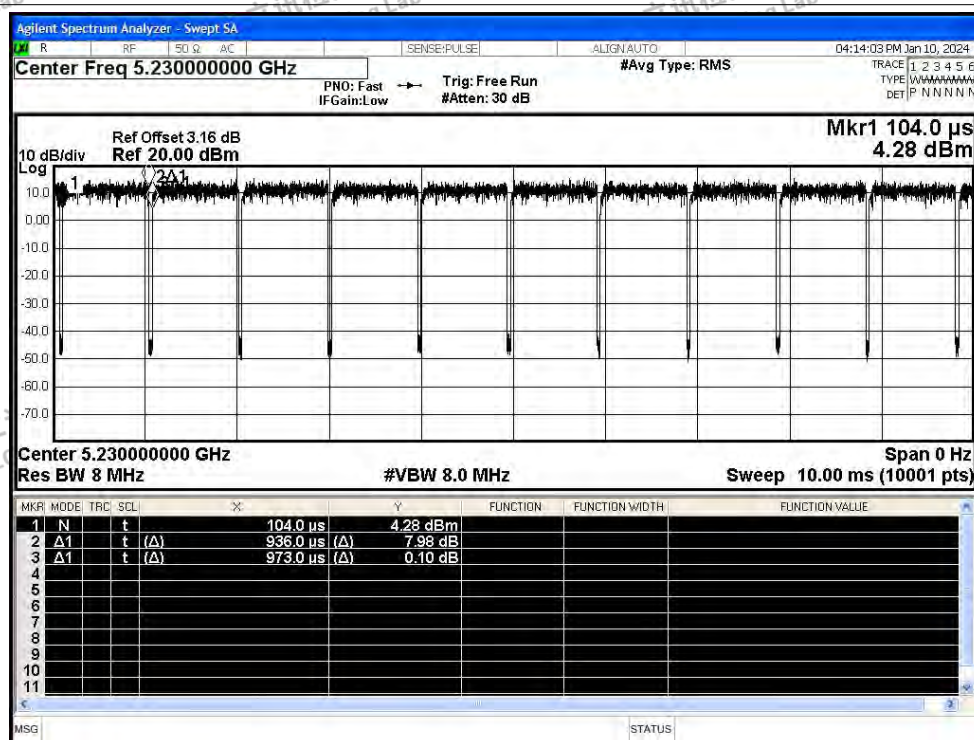
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

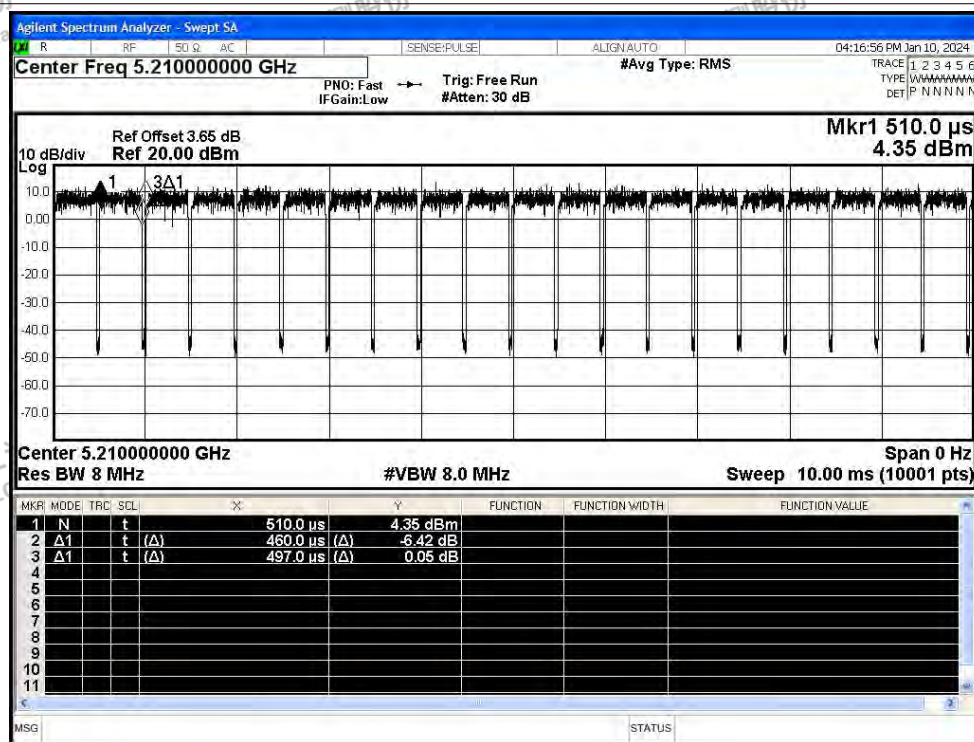
Scan code to check authenticity



## Duty Cycle NVNT ac40 5230MHz Ant1



## Duty Cycle NVNT ac80 5210MHz Ant1



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