



## Appendix E

### RF Test Data for 5.8G WIFI (Conducted Measurement)

Product Name: Touch Screen Panel

Test Model: WP20

#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.8 ° C  |
| Relative Humidity: | 52.1%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Ling Zhu  |
| Supervised by:     | Kay Hu    |





## E.1 -6dB Bandwidth

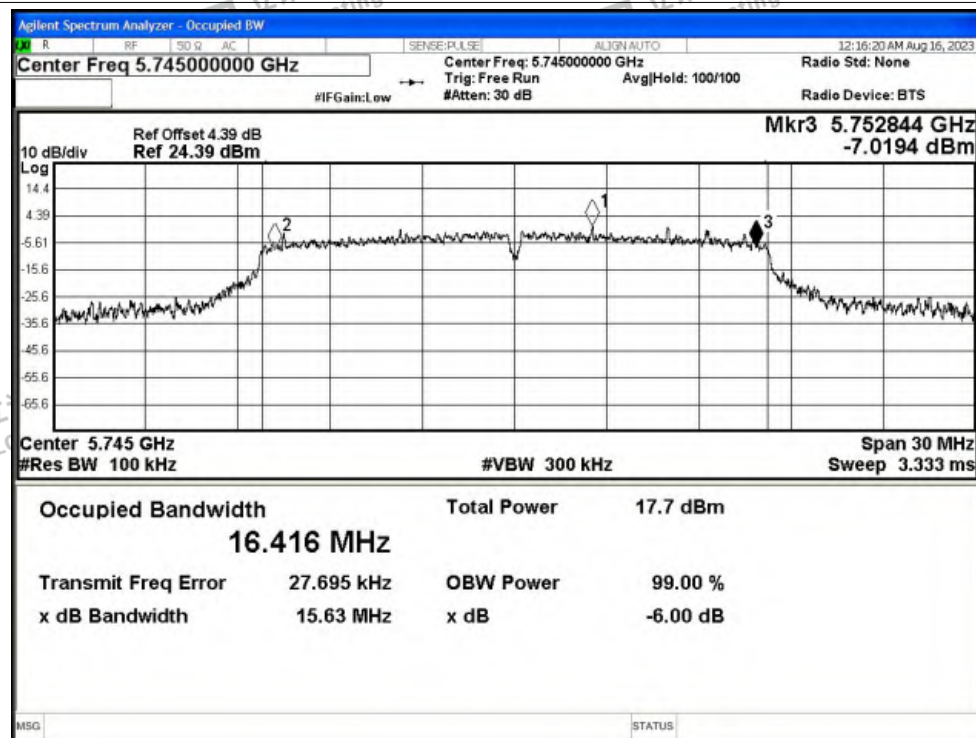
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 15.632                | $\geq 0.5$                  | Pass    |
| NVNT      | a    | 5785            | Ant1    | 14.111                | $\geq 0.5$                  | Pass    |
| NVNT      | a    | 5825            | Ant1    | 14.695                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 13.174                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 15.092                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 13.882                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 33.881                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 32.563                | $\geq 0.5$                  | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 15.701                | $\geq 0.5$                  | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 15.057                | $\geq 0.5$                  | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 14.813                | $\geq 0.5$                  | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 32.554                | $\geq 0.5$                  | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 33.791                | $\geq 0.5$                  | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 75.06                 | $\geq 0.5$                  | Pass    |



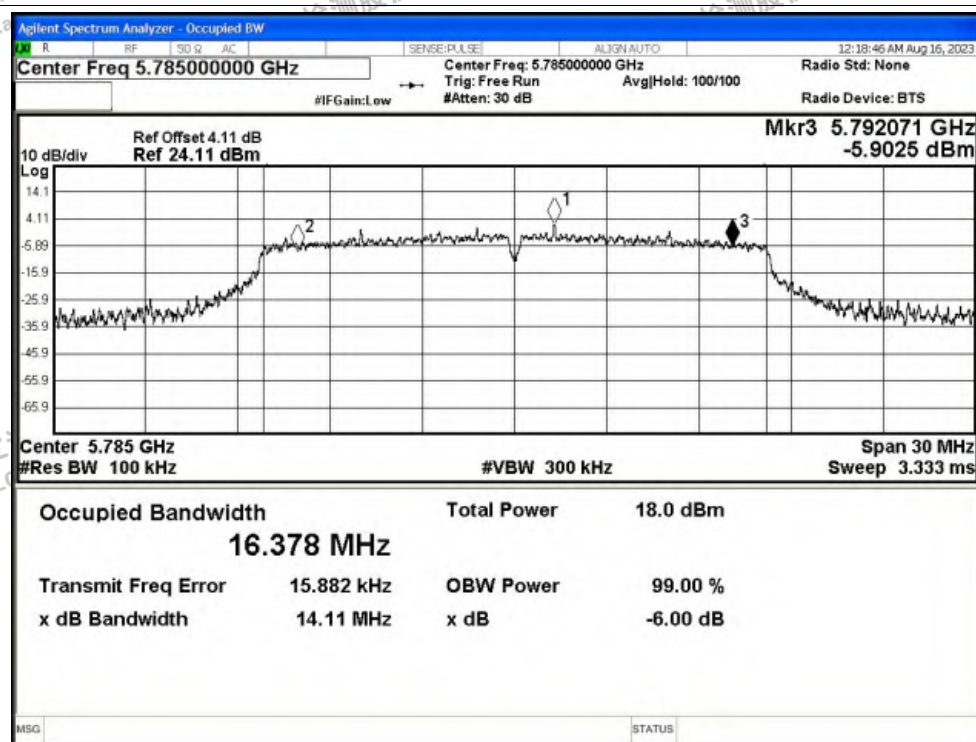


## Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1



-6dB Bandwidth NVNT a 5785MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

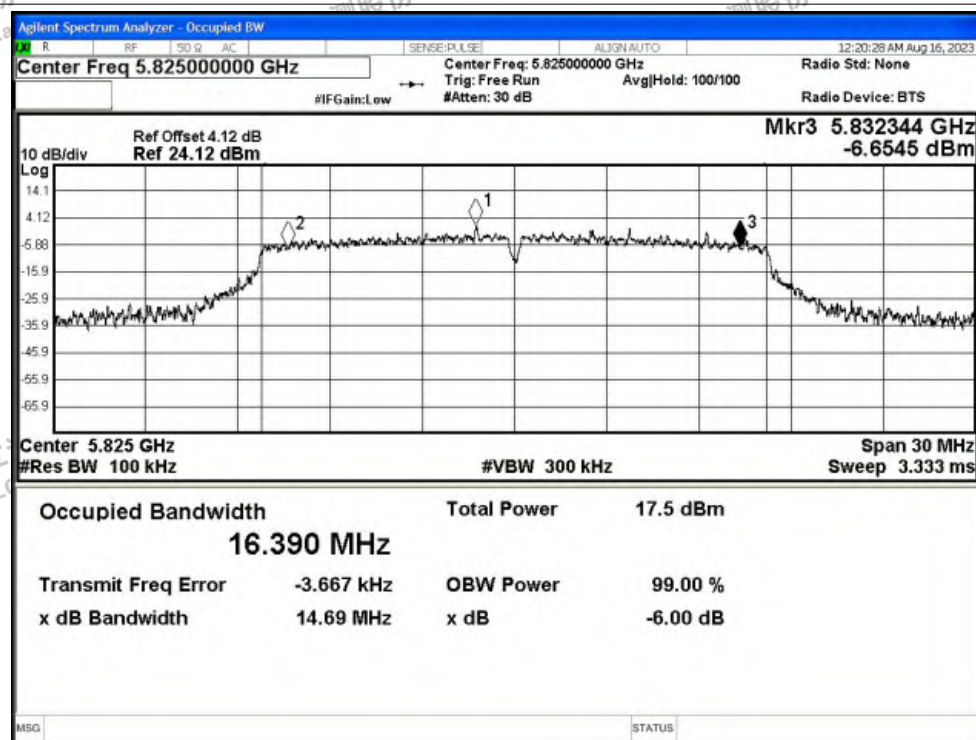
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

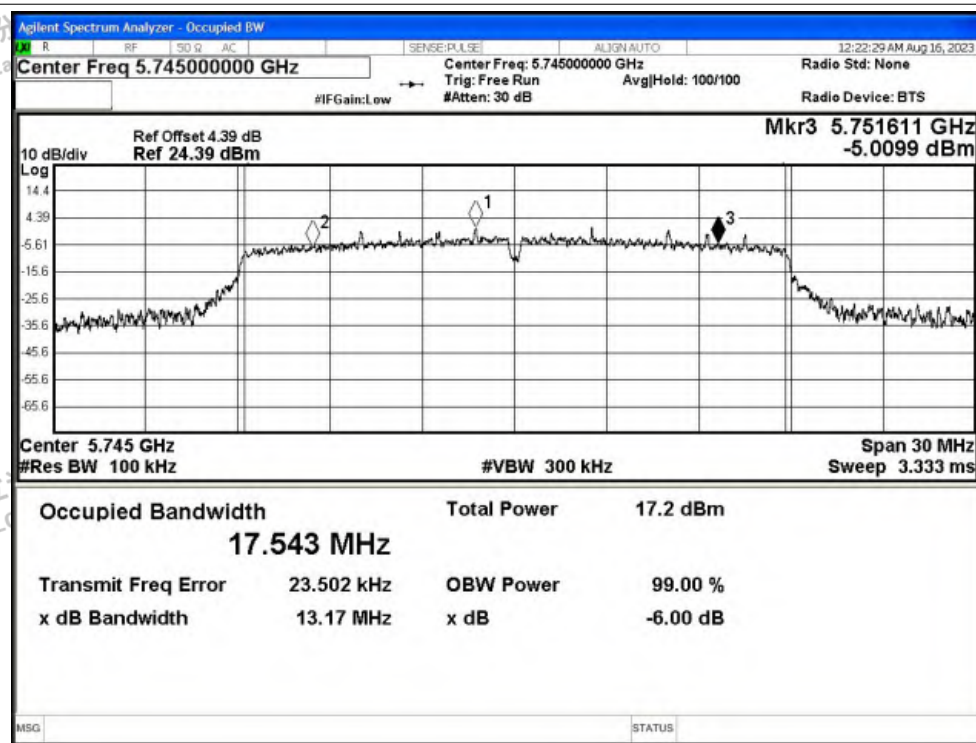
Scan code to check authenticity



## -6dB Bandwidth NVNT a 5825MHz Ant1



## -6dB Bandwidth NVNT n20 5745MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

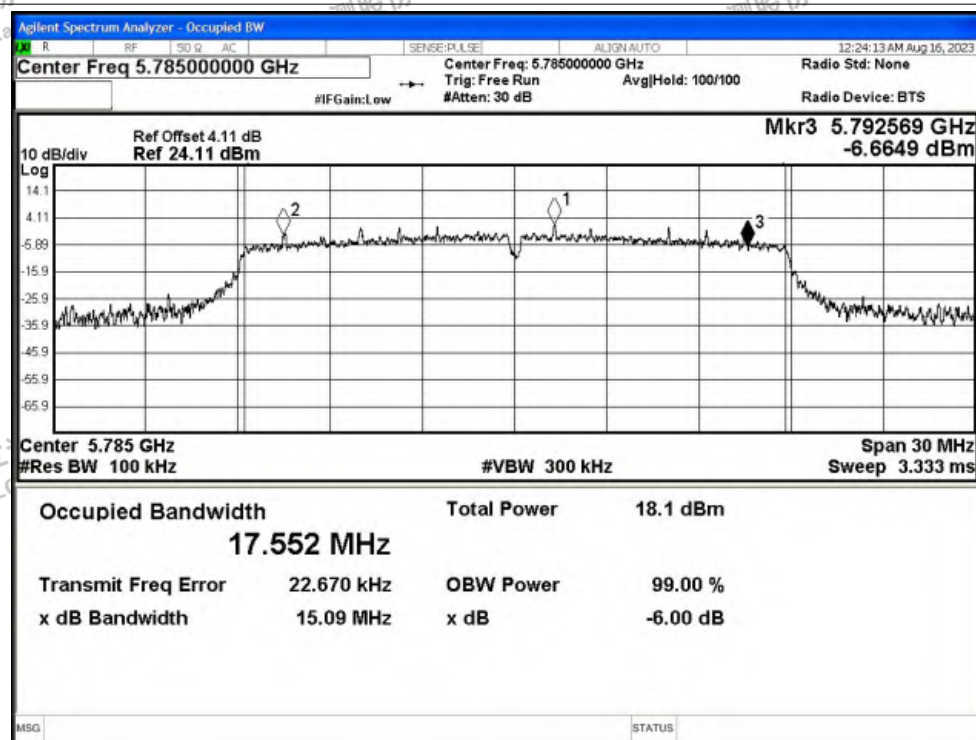
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

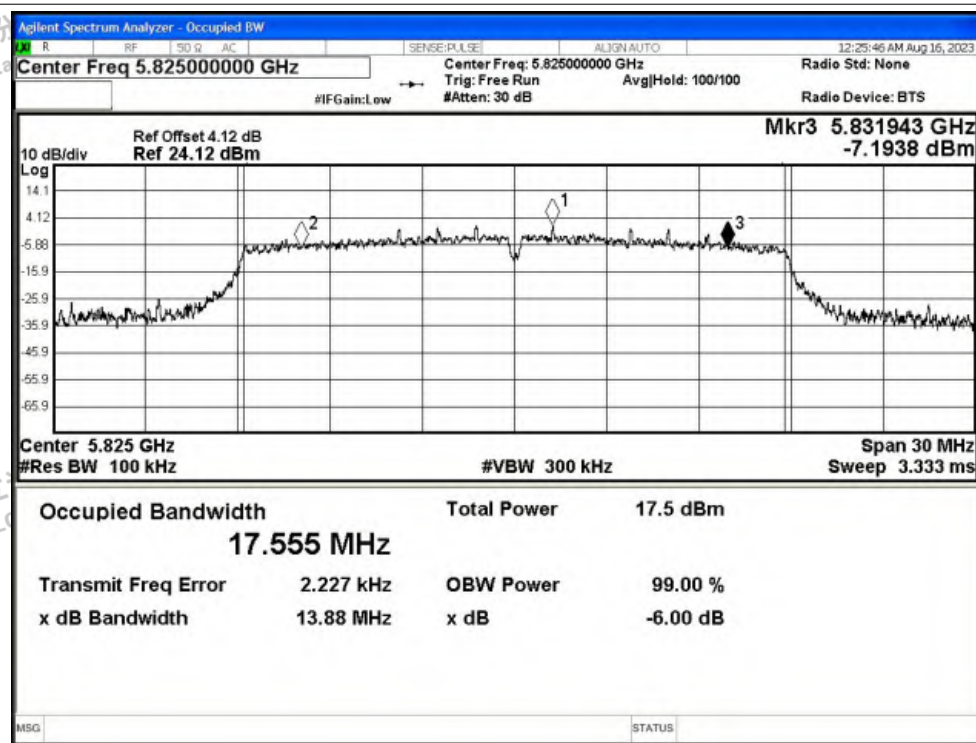
Scan code to check authenticity



## -6dB Bandwidth NVNT n20 5785MHz Ant1



## -6dB Bandwidth NVNT n20 5825MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

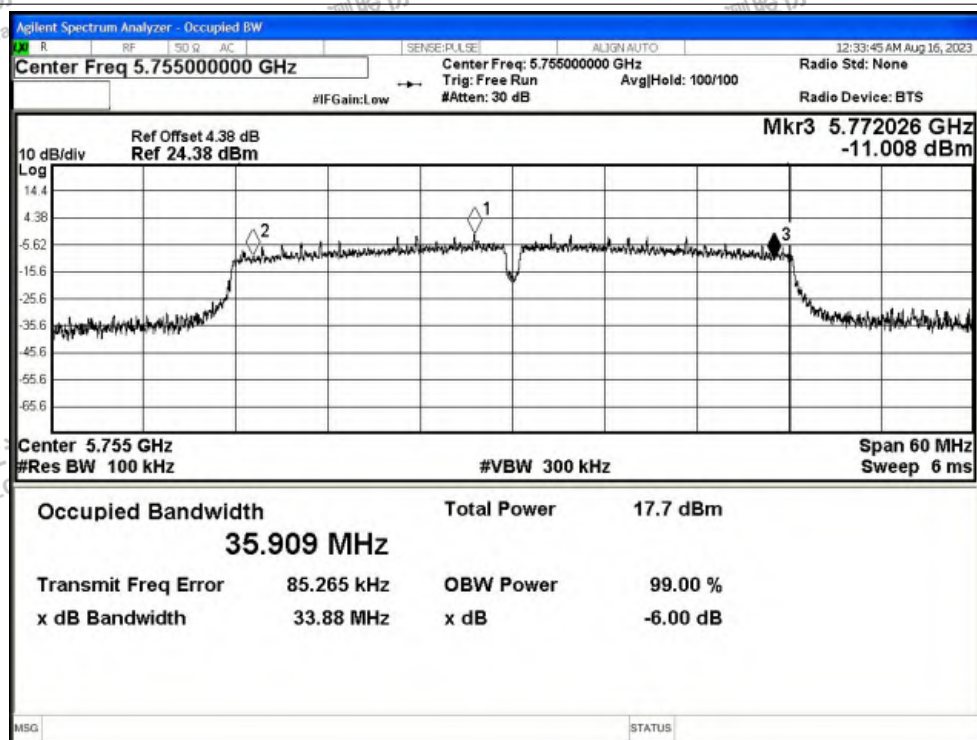
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

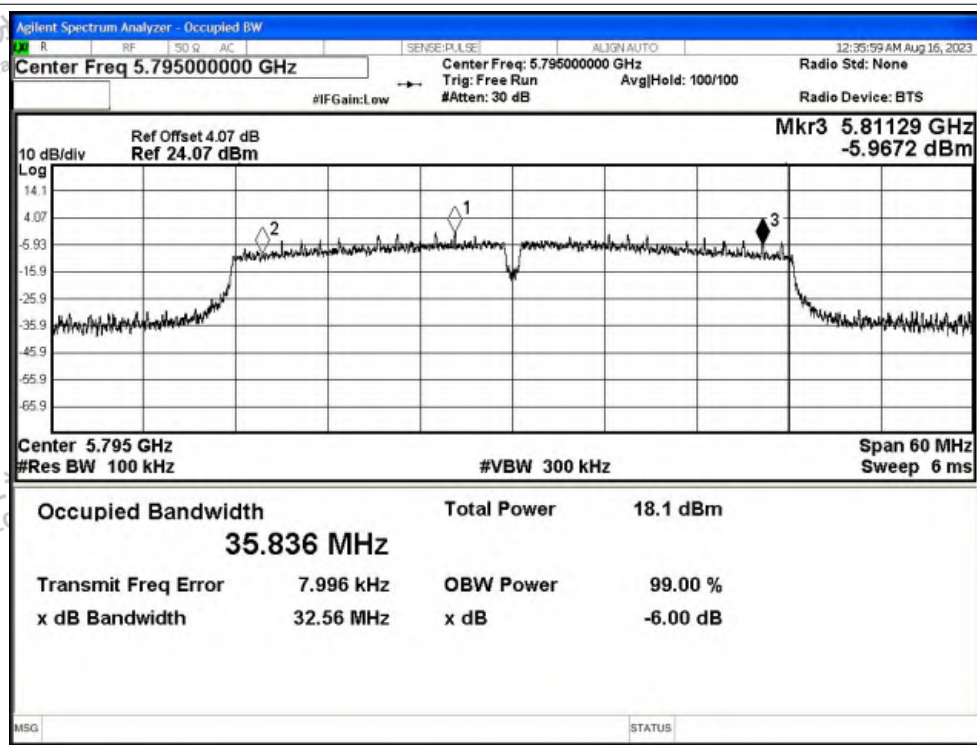
Scan code to check authenticity



## -6dB Bandwidth NVNT n40 5755MHz Ant1



## -6dB Bandwidth NVNT n40 5795MHz Ant1



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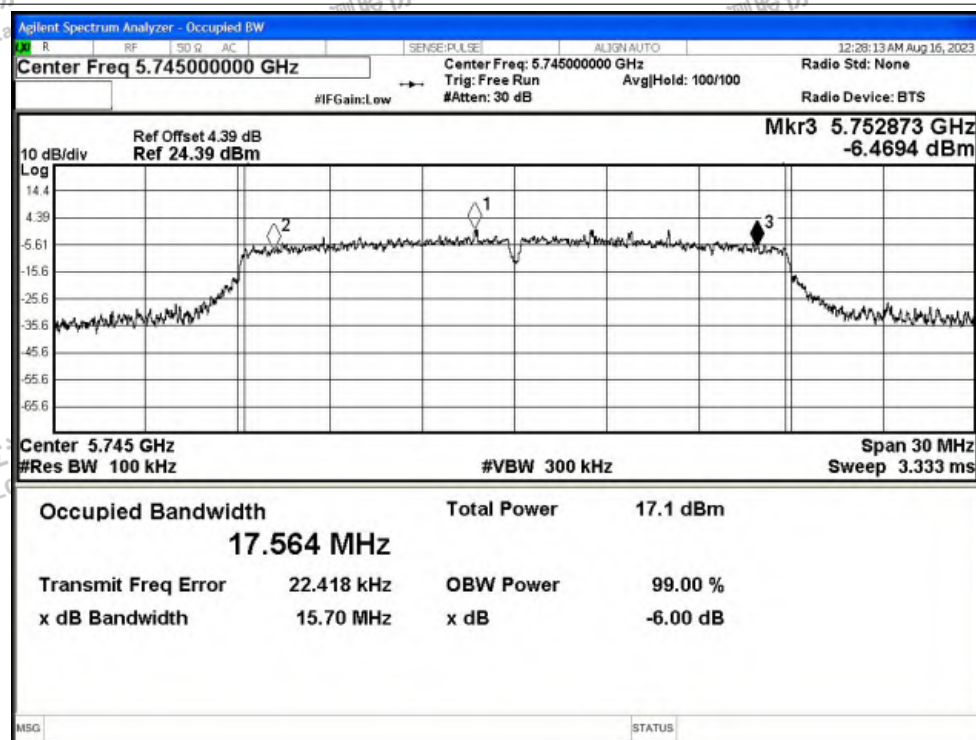
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

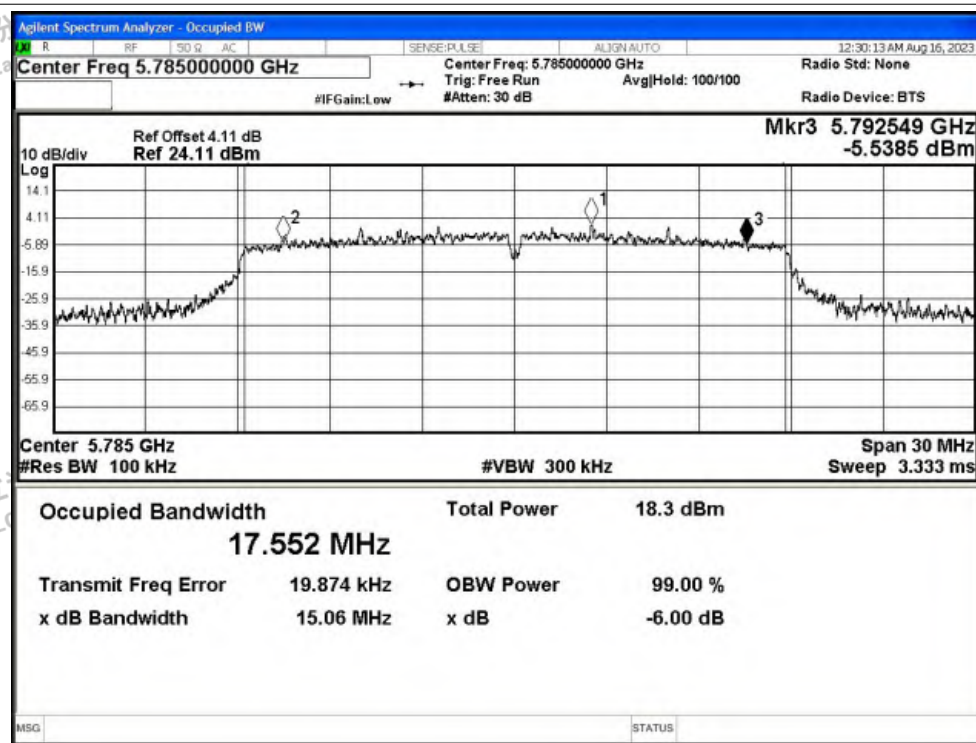
Scan code to check authenticity



## -6dB Bandwidth NVNT ac20 5745MHz Ant1



## -6dB Bandwidth NVNT ac20 5785MHz Ant1



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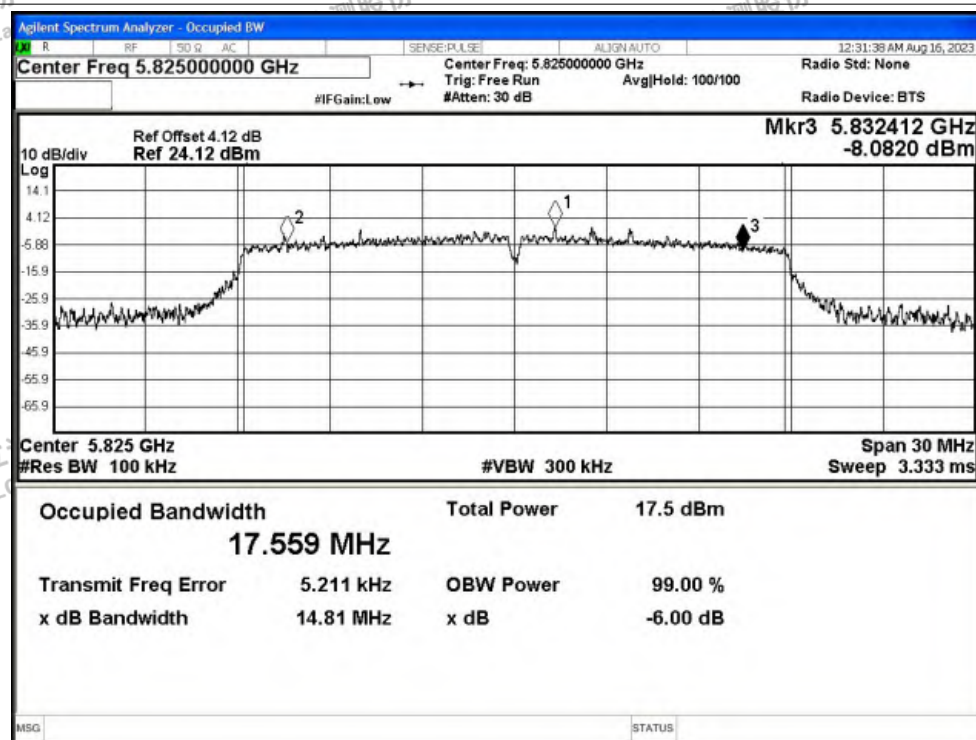
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

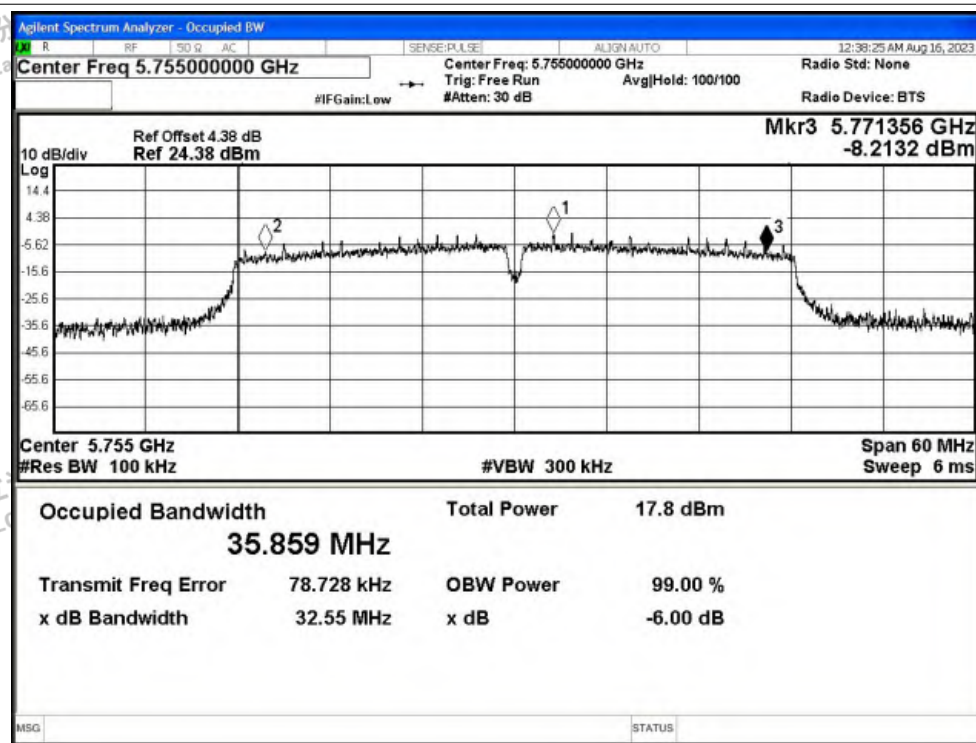
Scan code to check authenticity



## -6dB Bandwidth NVNT ac20 5825MHz Ant1



## -6dB Bandwidth NVNT ac40 5755MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

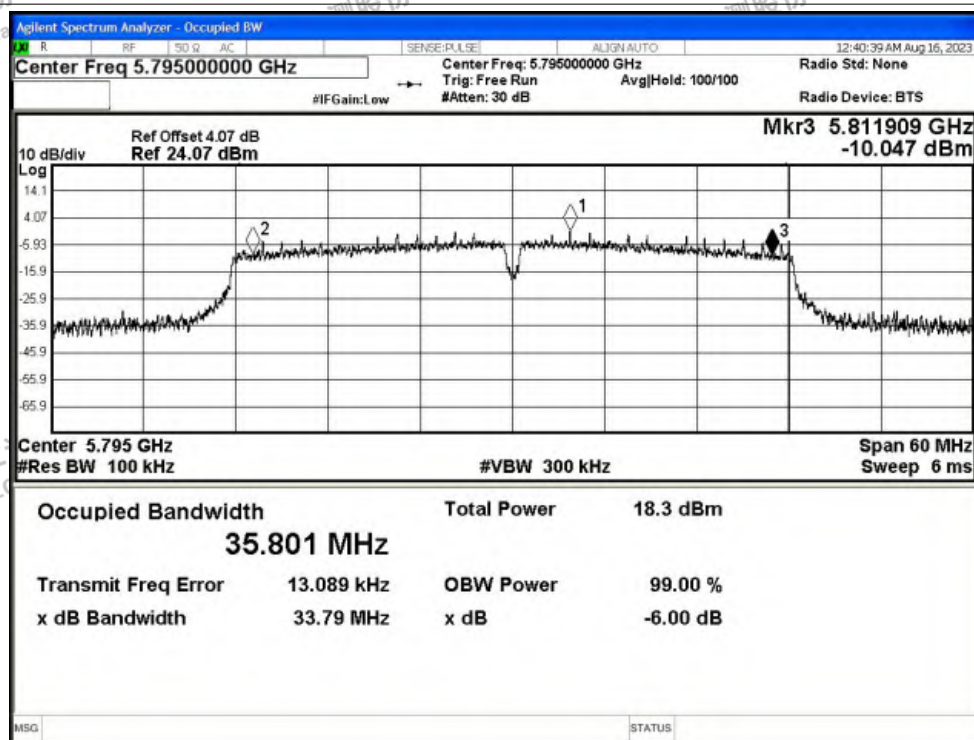
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

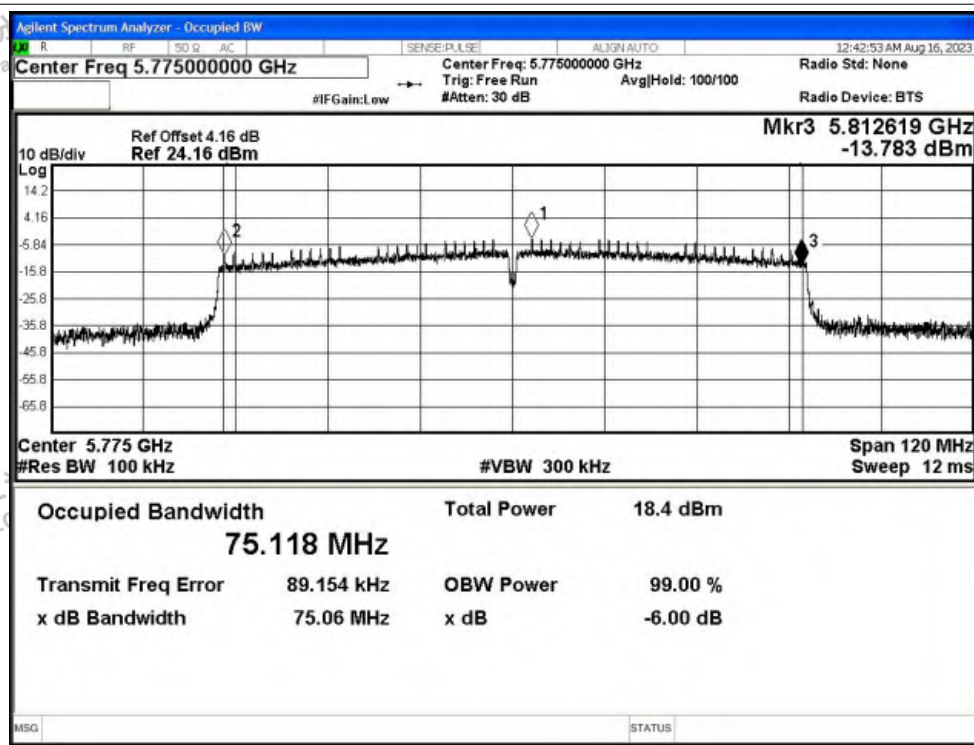
Scan code to check authenticity



## -6dB Bandwidth NVNT ac40 5795MHz Ant1



## -6dB Bandwidth NVNT ac80 5775MHz Ant1



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## E.2 Maximum Conducted Output Power

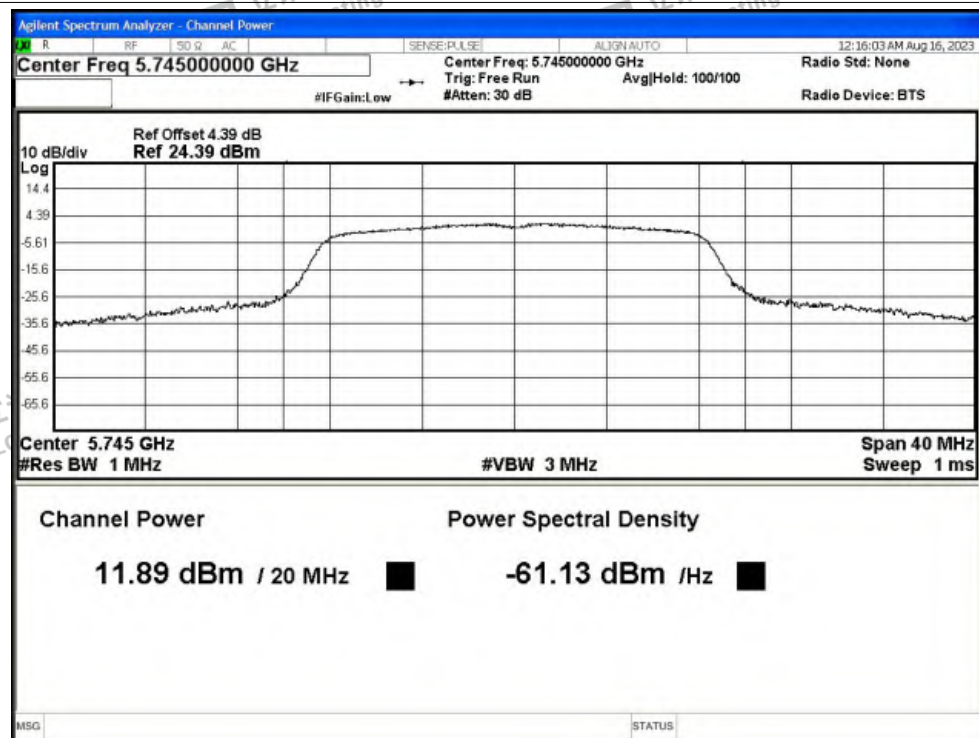
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | 11.89                 | 0.13             | 12.02             | 30          | Pass    |
| NVNT      | a    | 5785            | Ant1    | 12.16                 | 0.13             | 12.29             | 30          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 11.79                 | 0.13             | 11.92             | 30          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 11.22                 | 0.15             | 11.37             | 30          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 11.94                 | 0.15             | 12.09             | 30          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 11.54                 | 0.15             | 11.69             | 30          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 11.39                 | 0.29             | 11.68             | 30          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 11.76                 | 0.29             | 12.05             | 30          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 11.23                 | 0.14             | 11.37             | 30          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 12.08                 | 0.14             | 12.22             | 30          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 11.54                 | 0.14             | 11.68             | 30          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 11.45                 | 0.28             | 11.73             | 30          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 11.94                 | 0.28             | 12.22             | 30          | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 11.18                 | 0.55             | 11.73             | 30          | Pass    |



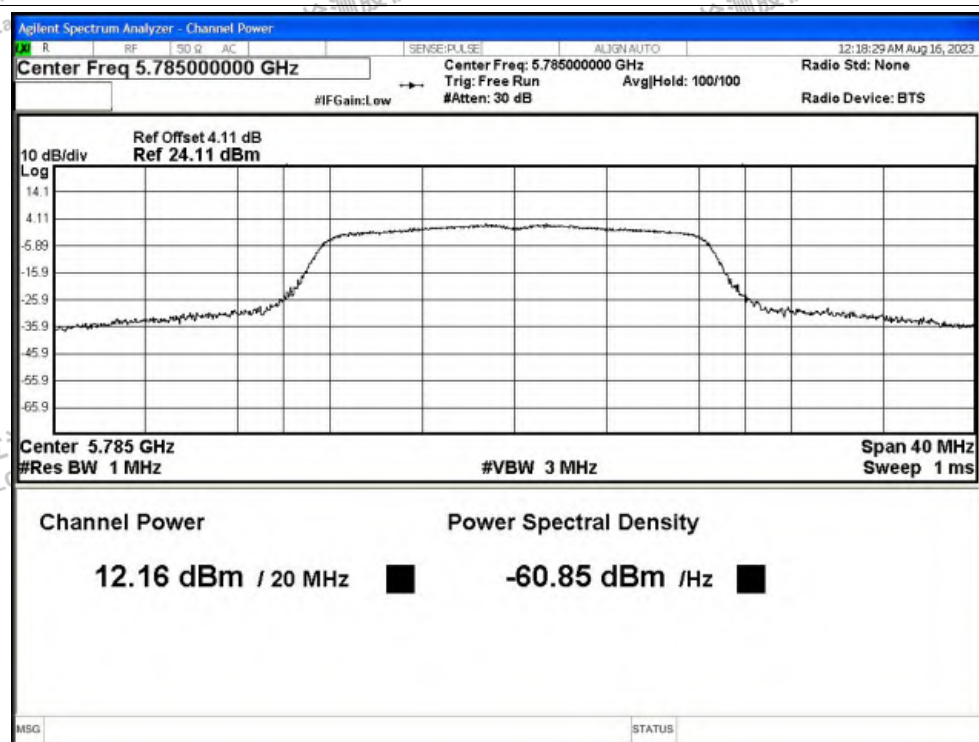


## Test Graphs

Power NVNT a 5745MHz Ant1



Power NVNT a 5785MHz Ant1



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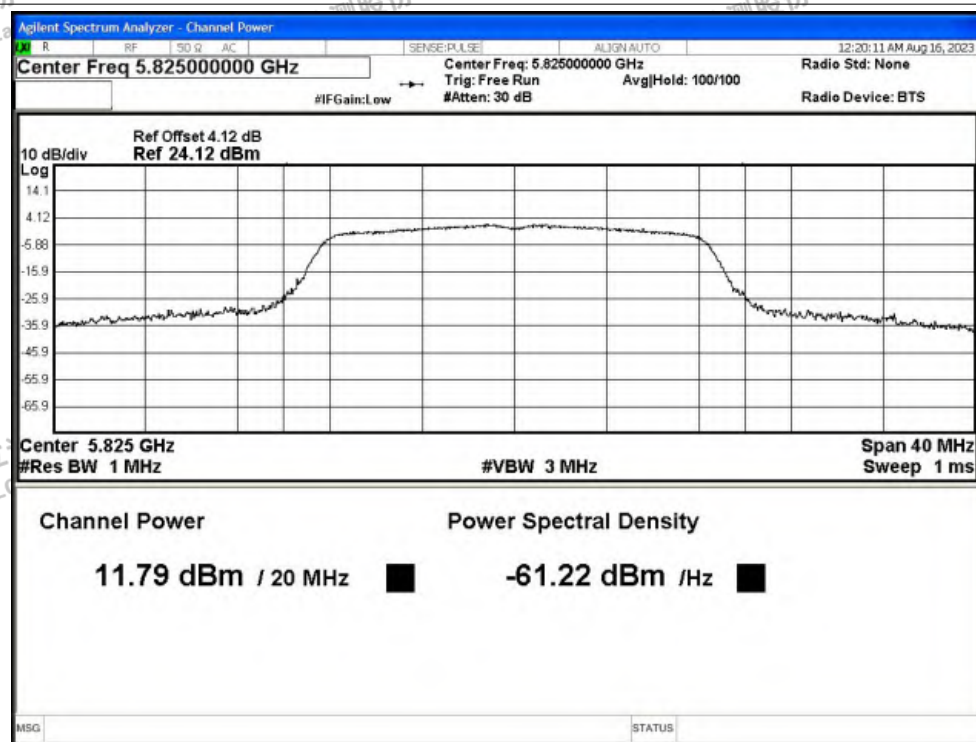
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

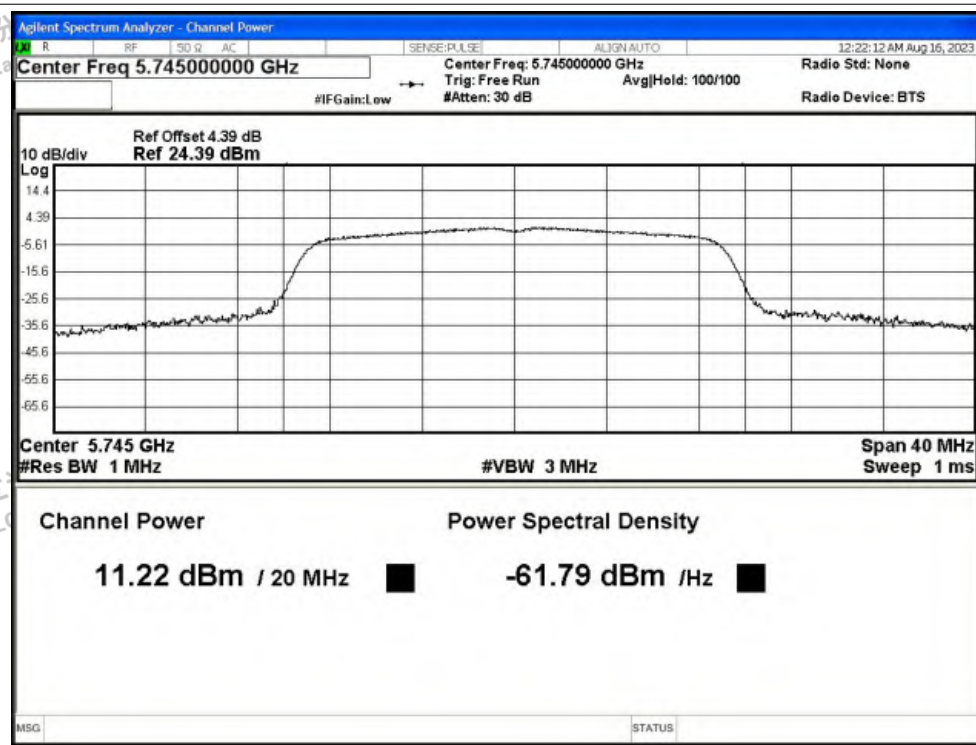
Scan code to check authenticity



Power NVNT a 5825MHz Ant1



Power NVNT n20 5745MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

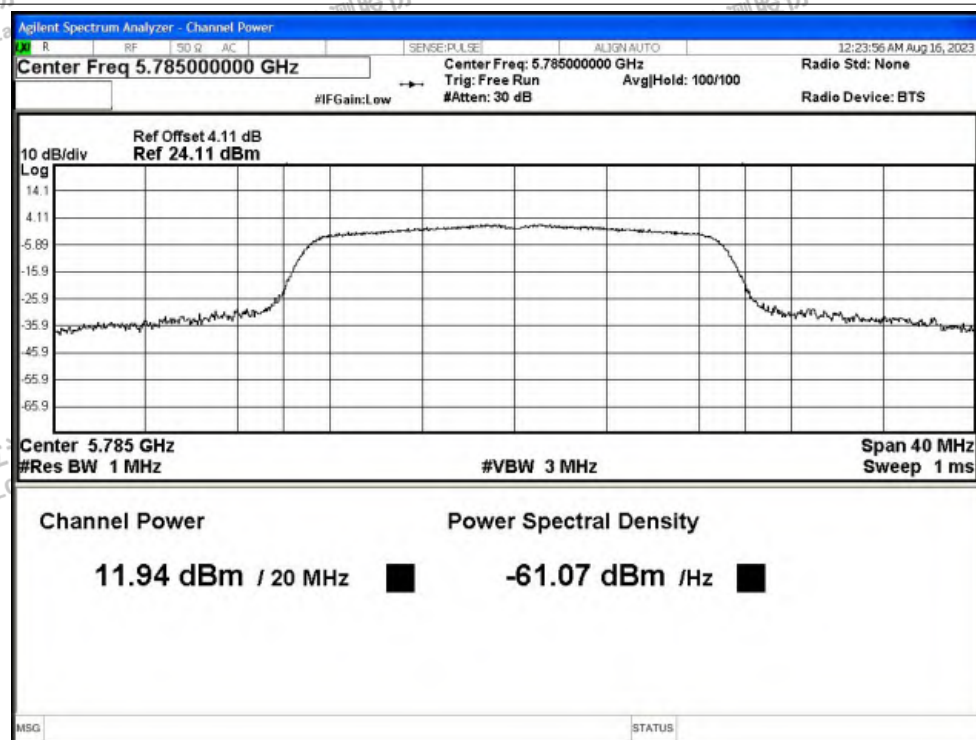
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

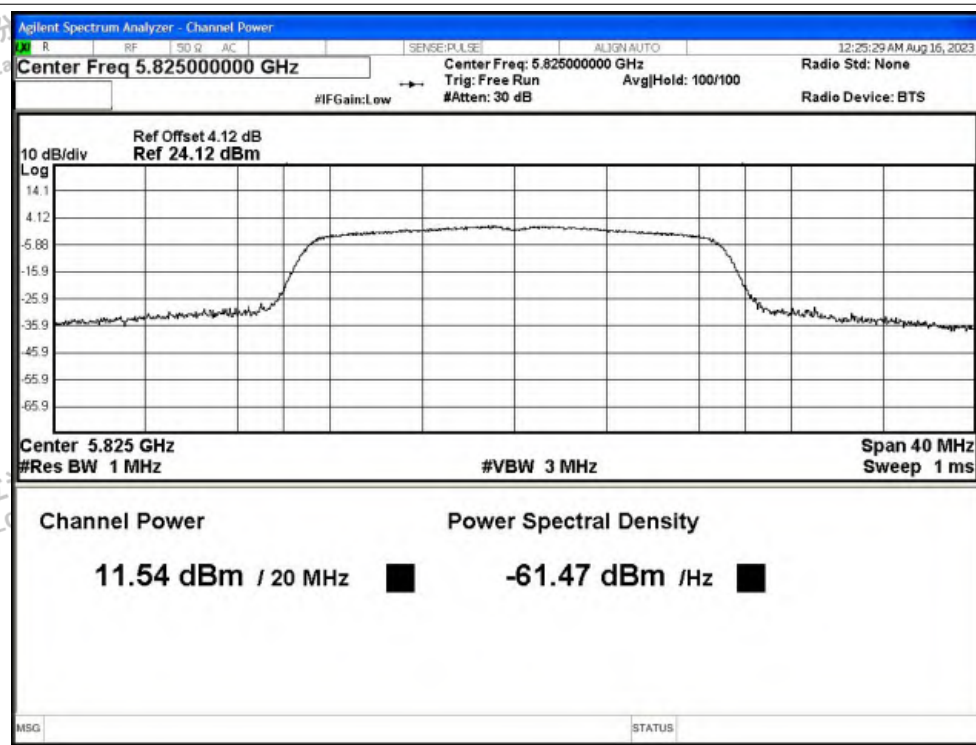
Scan code to check authenticity



Power NVNT n20 5785MHz Ant1



Power NVNT n20 5825MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

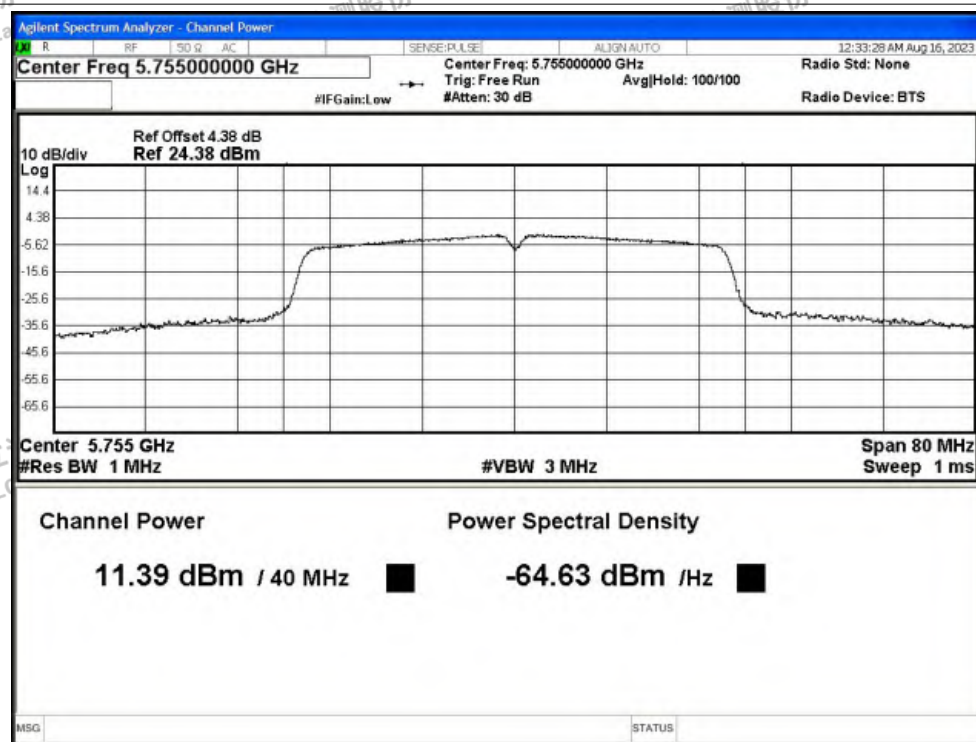
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

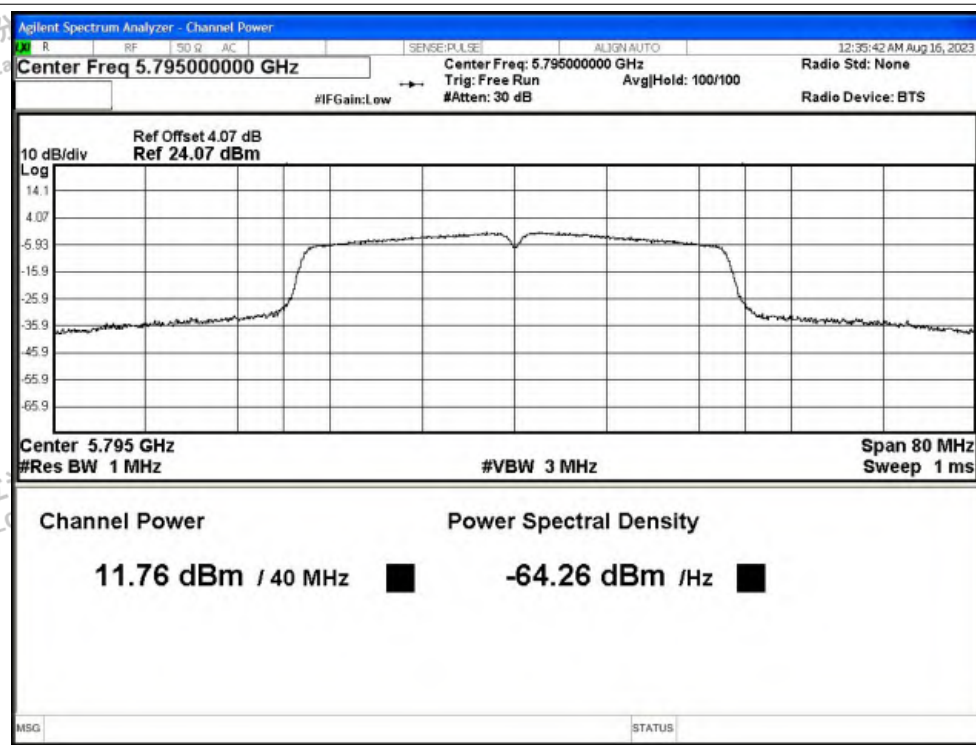
Scan code to check authenticity



Power NVNT n40 5755MHz Ant1



Power NVNT n40 5795MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

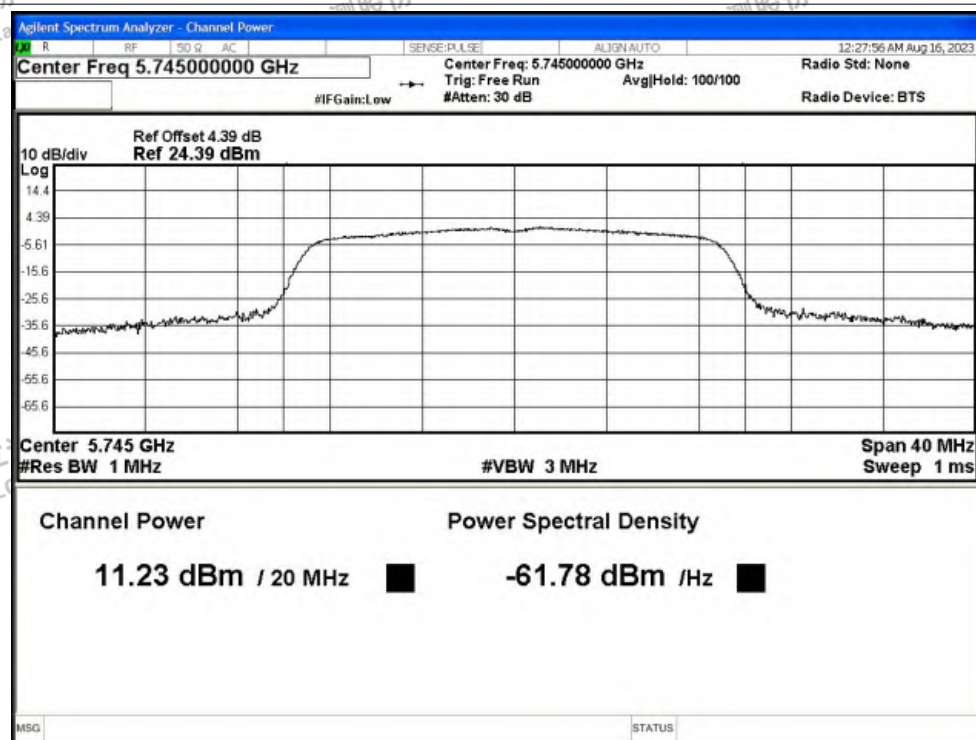
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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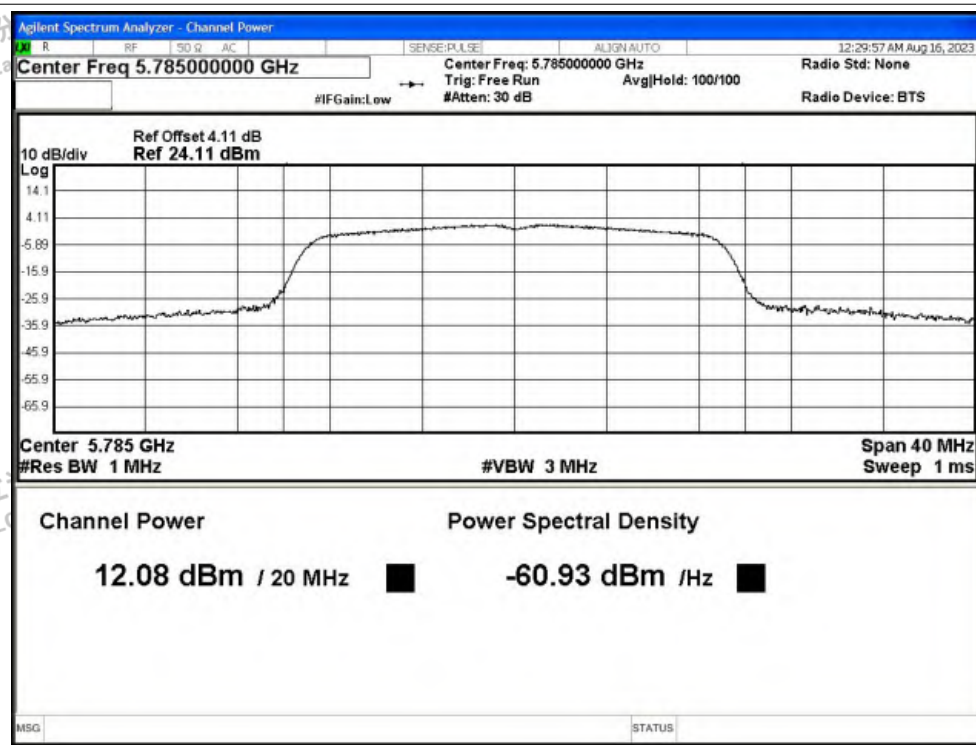
Scan code to check authenticity



Power NVNT ac20 5745MHz Ant1



Power NVNT ac20 5785MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

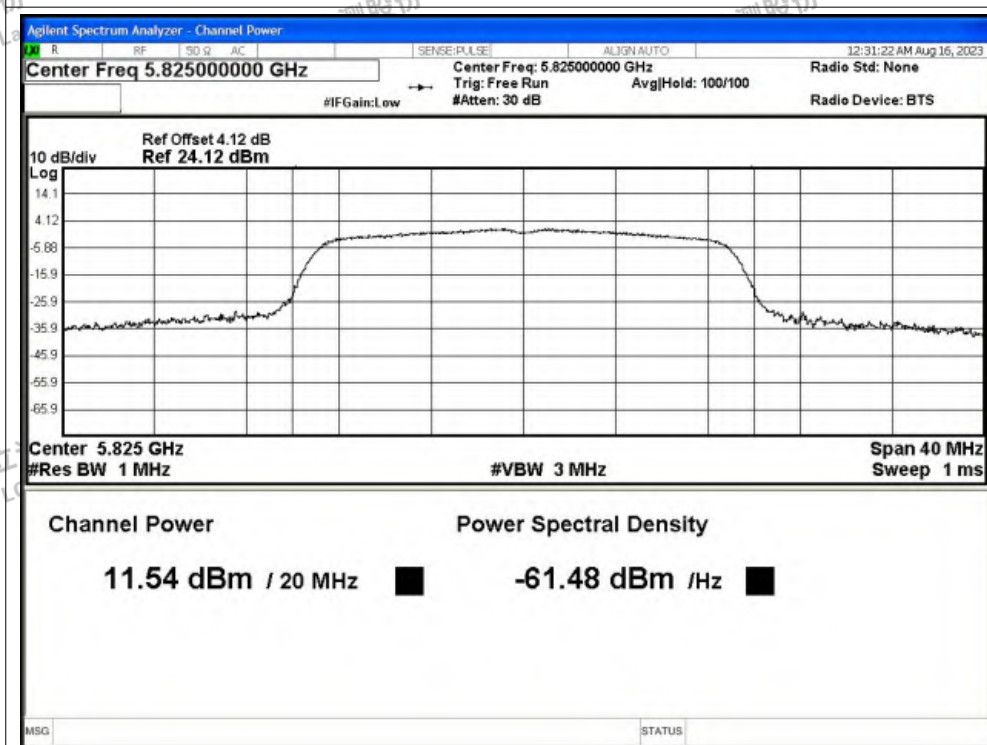
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

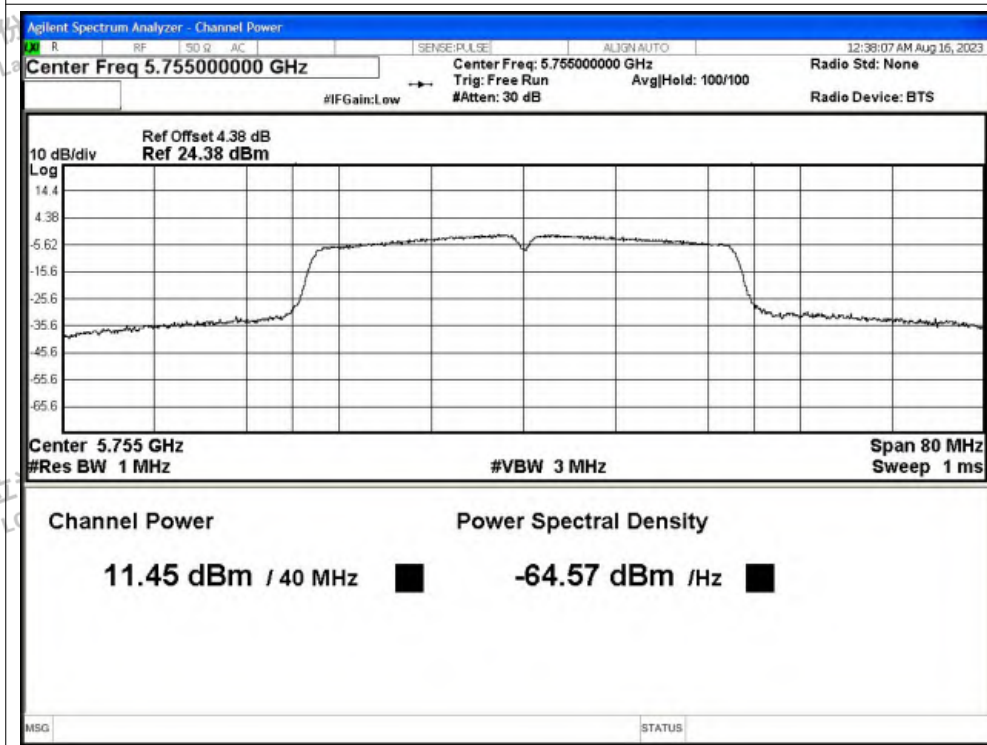
Scan code to check authenticity



Power NVNT ac20 5825MHz Ant1



Power NVNT ac40 5755MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

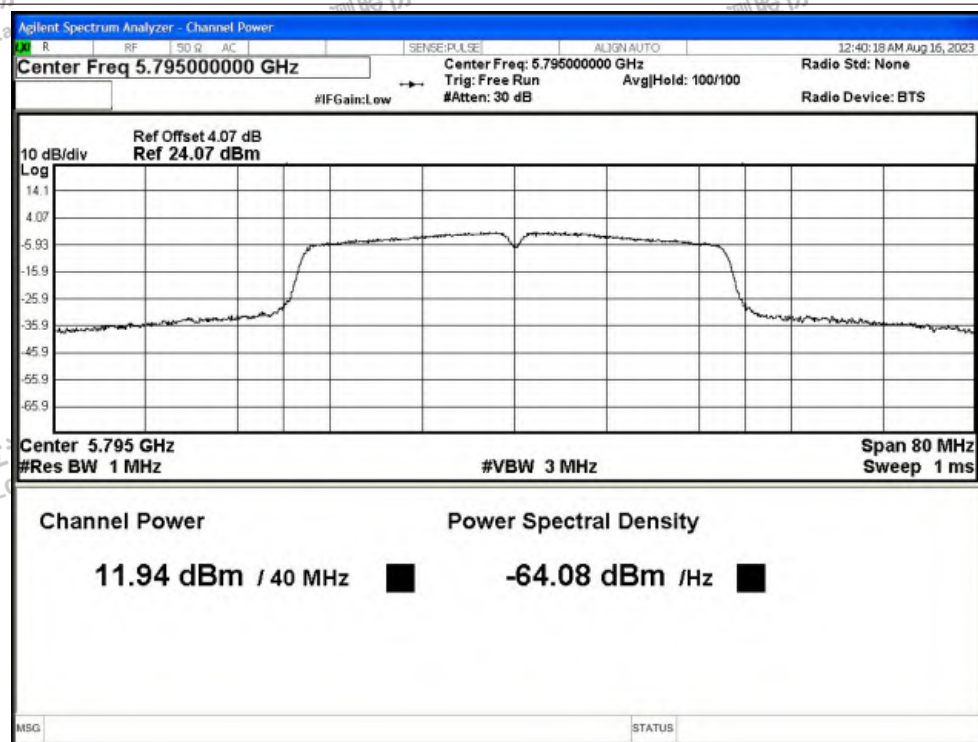
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

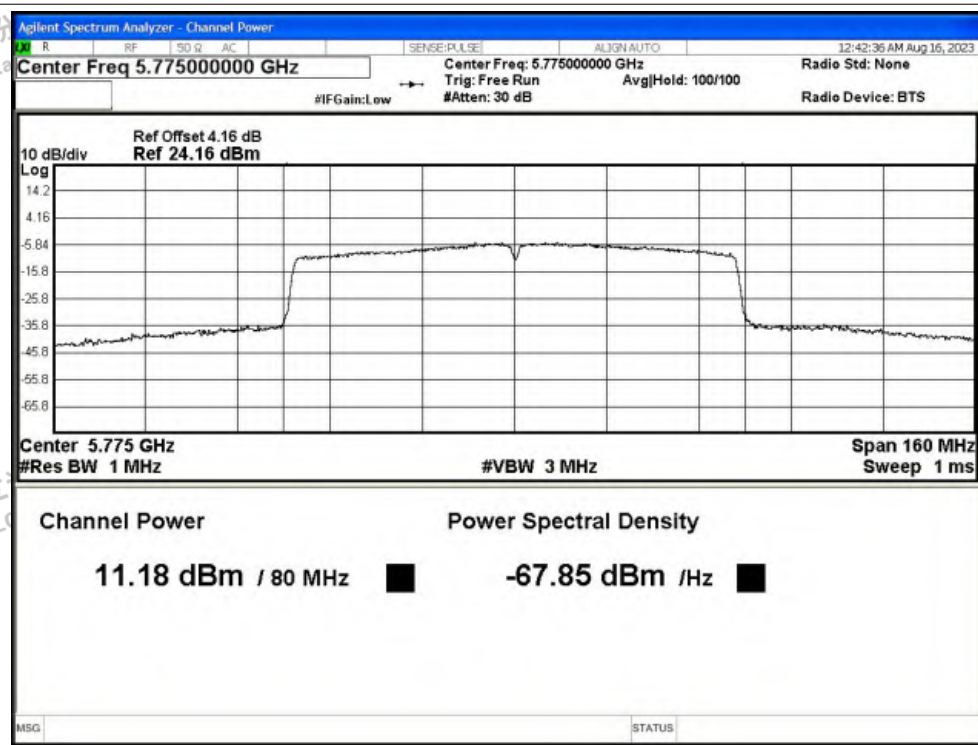
Scan code to check authenticity



## Power NVNT ac40 5795MHz Ant1



## Power NVNT ac80 5775MHz Ant1



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### E.3 Maximum Power Spectral Density Level

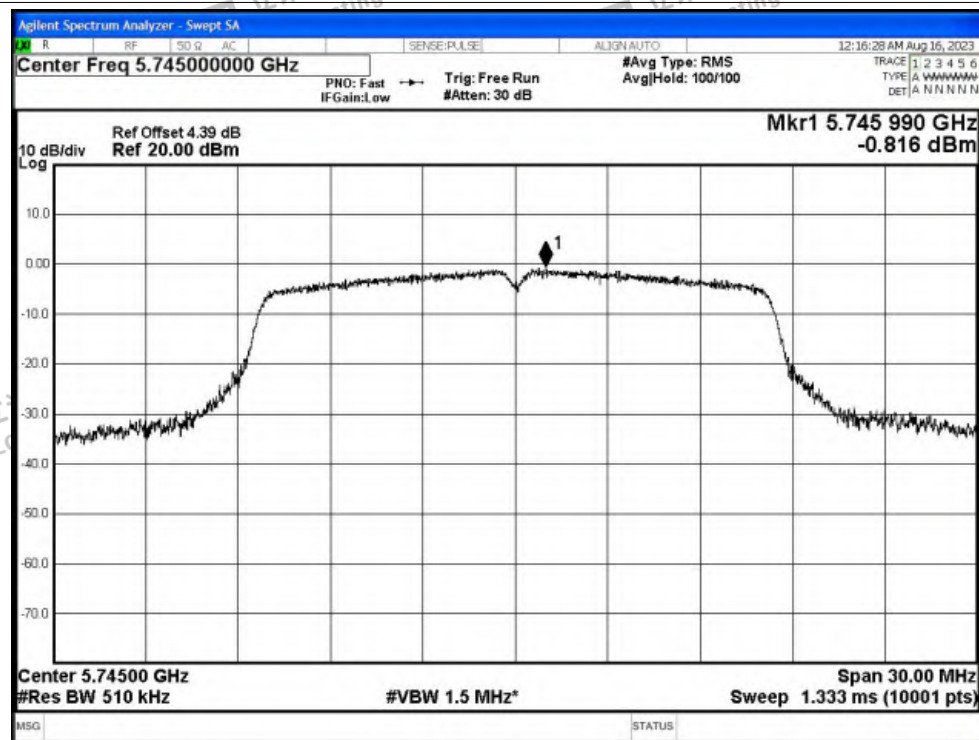
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -0.82               | 0.13             | -0.69           | 30          | Pass    |
| NVNT      | a    | 5785            | Ant1    | -0.36               | 0.13             | -0.23           | 30          | Pass    |
| NVNT      | a    | 5825            | Ant1    | -0.98               | 0.13             | -0.85           | 30          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -1.67               | 0.15             | -1.52           | 30          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -0.7                | 0.15             | -0.55           | 30          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -1.19               | 0.15             | -1.04           | 30          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -4.24               | 0.29             | -3.95           | 30          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -3.86               | 0.29             | -3.57           | 30          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -1.65               | 0.14             | -1.51           | 30          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -0.35               | 0.14             | -0.21           | 30          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -1.33               | 0.14             | -1.19           | 30          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -4.09               | 0.28             | -3.81           | 30          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -3.88               | 0.28             | -3.6            | 30          | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | -7.59               | 0.55             | -7.04           | 30          | Pass    |



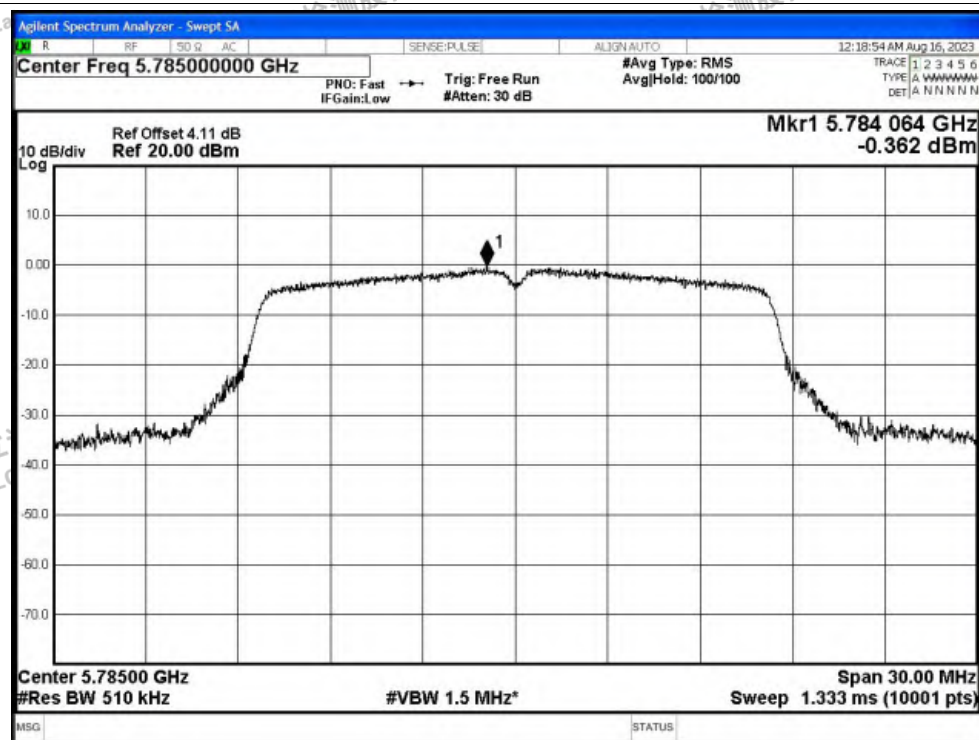


## Test Graphs

PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

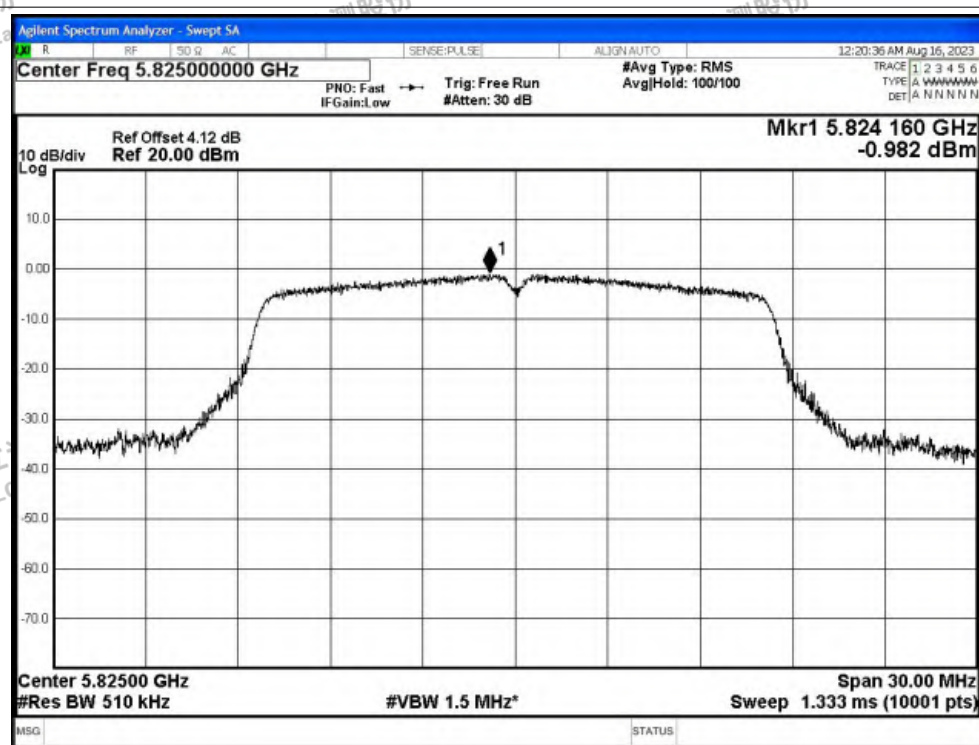
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

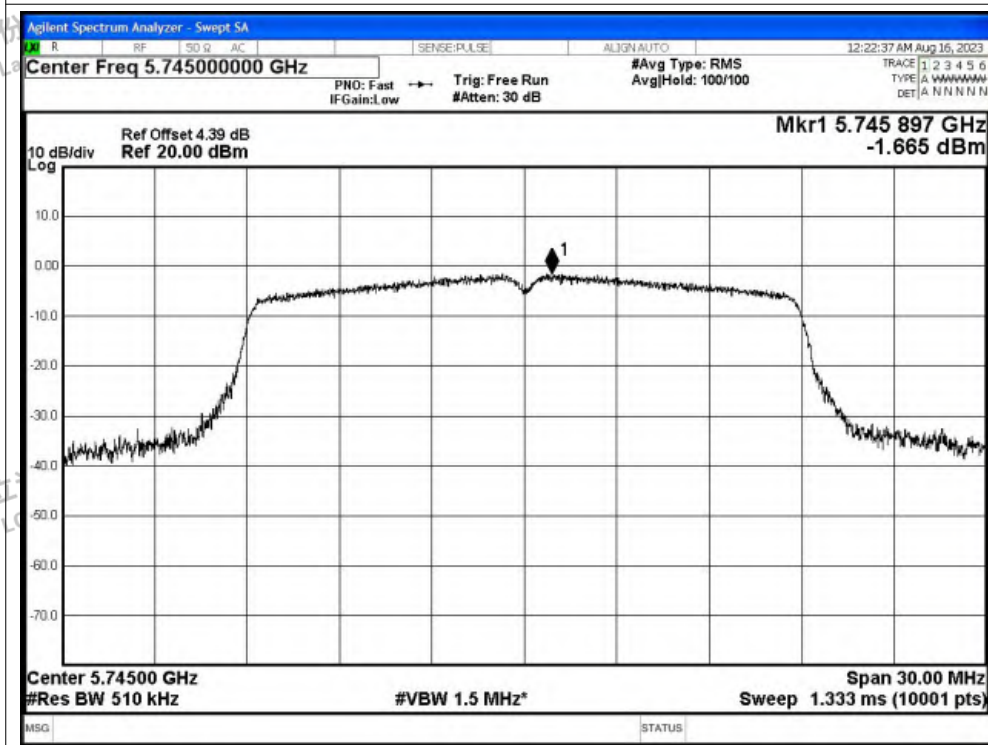
Scan code to check authenticity



PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1

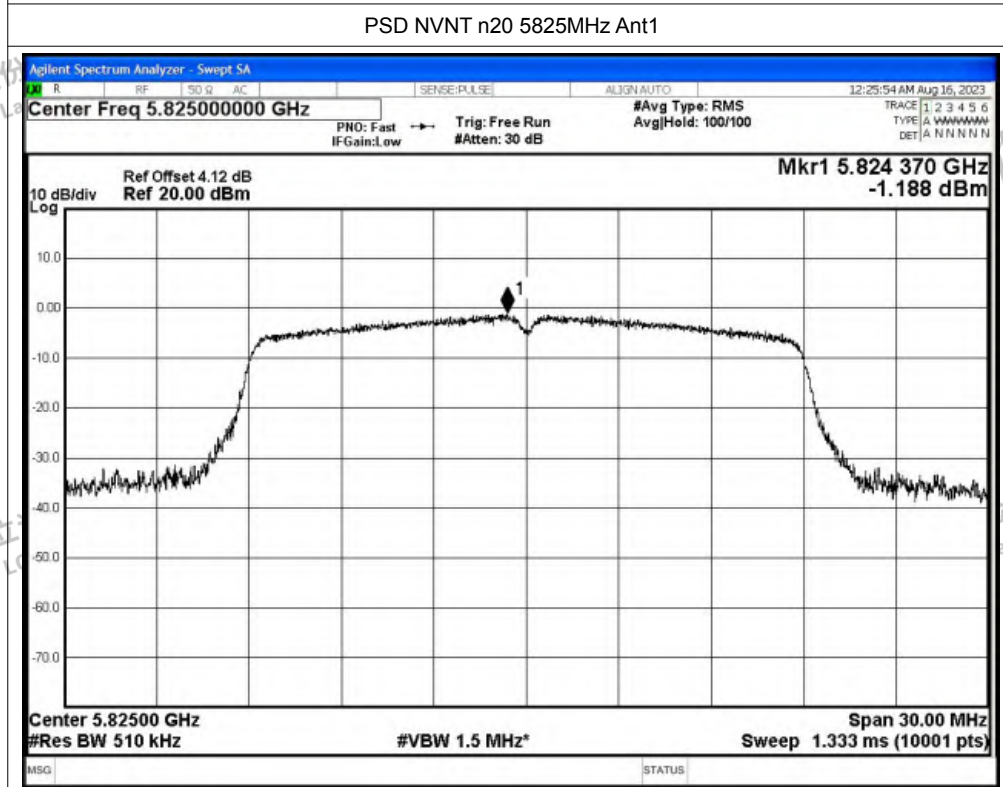
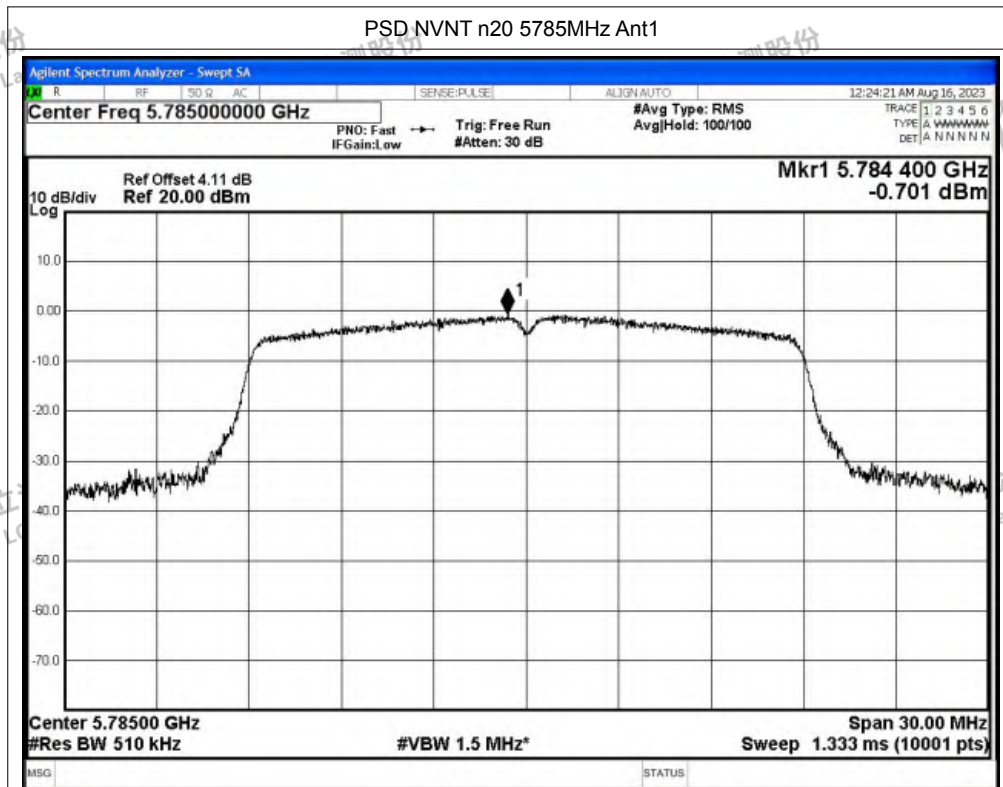


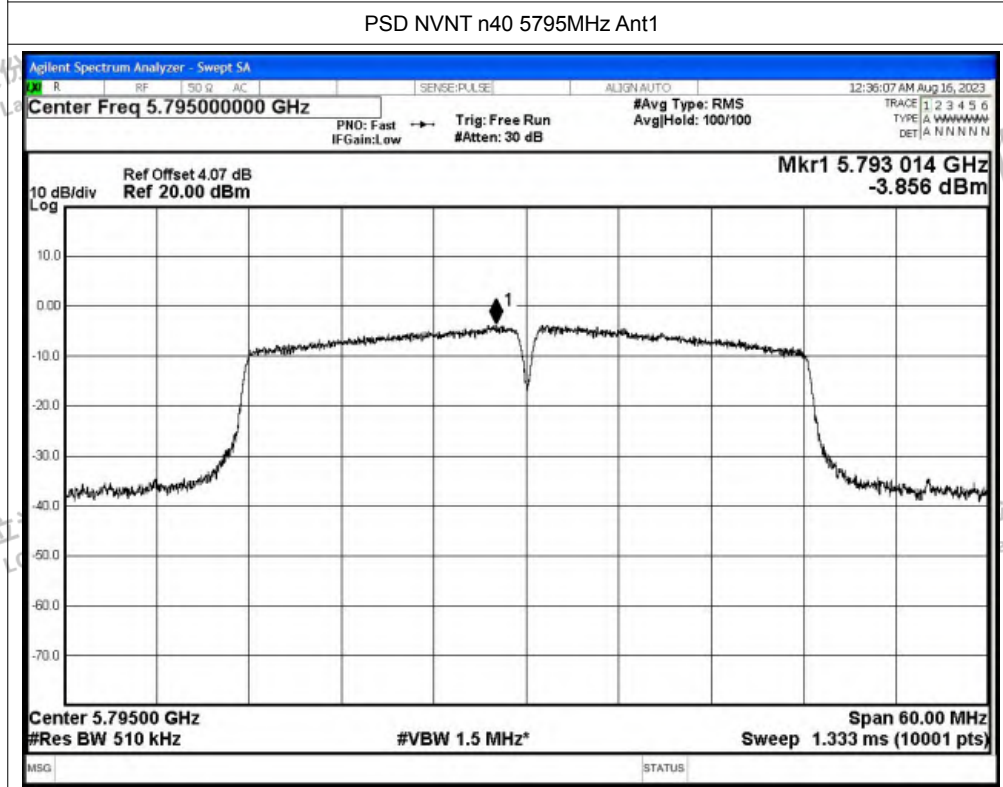
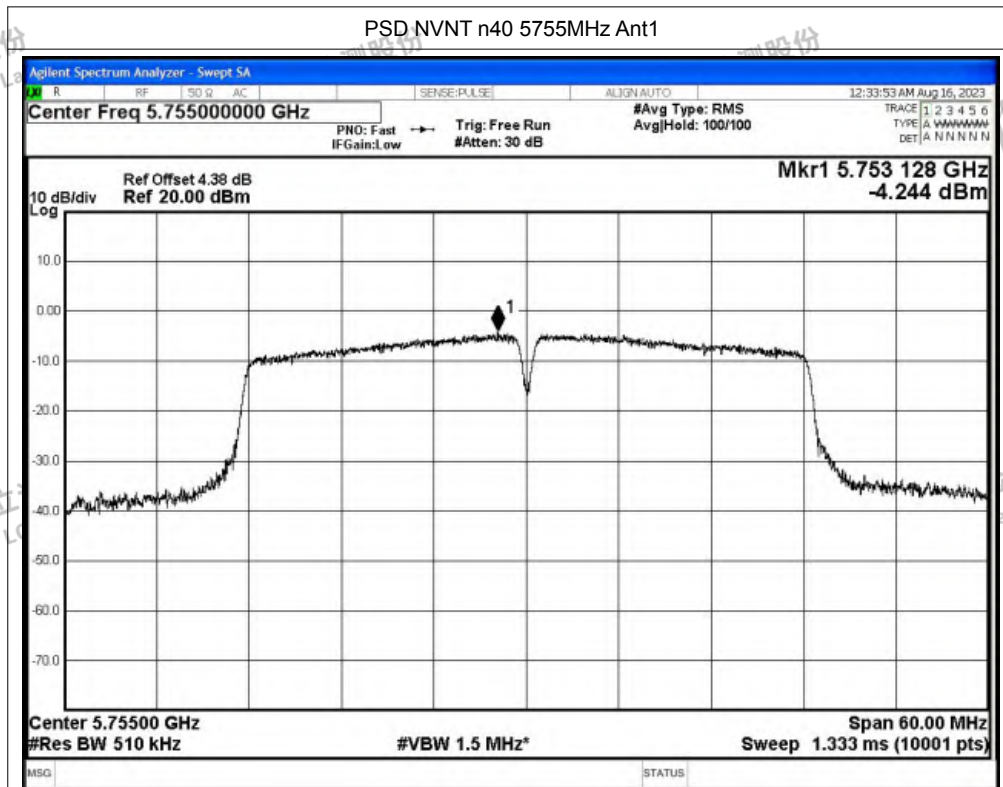
Shenzhen LCS Compliance Testing Laboratory Ltd.

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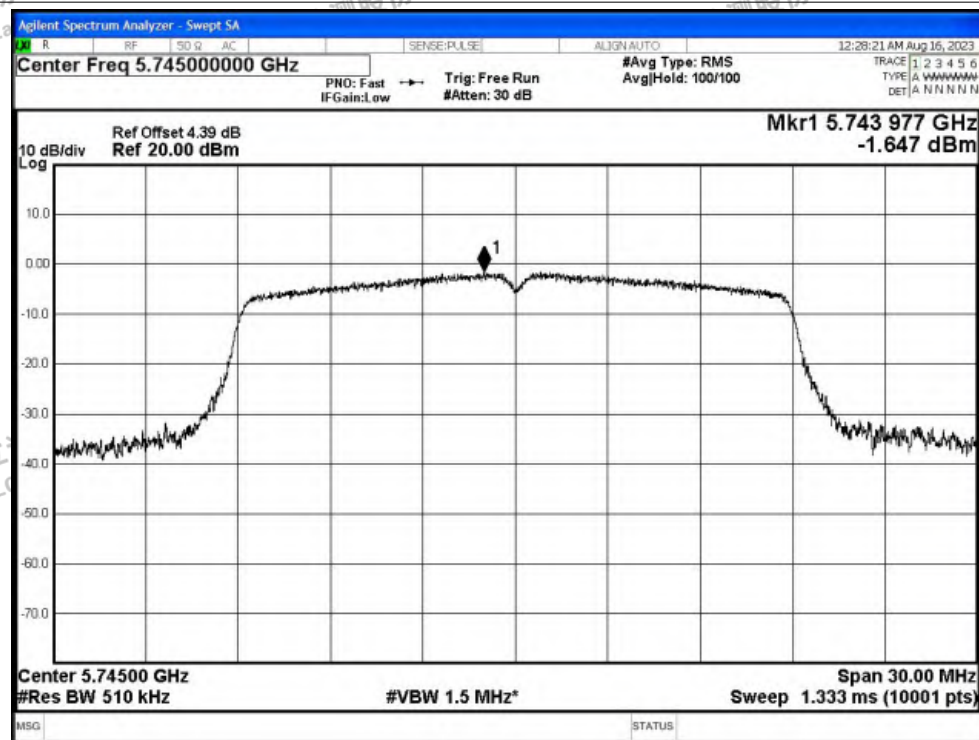
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

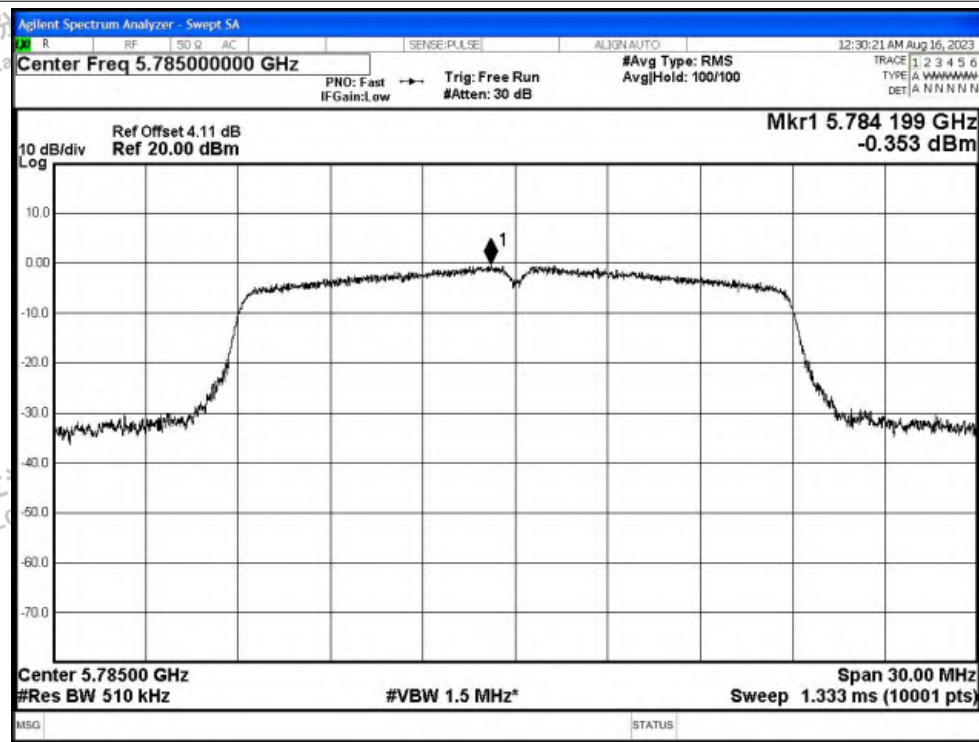
Scan code to check authenticity



PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

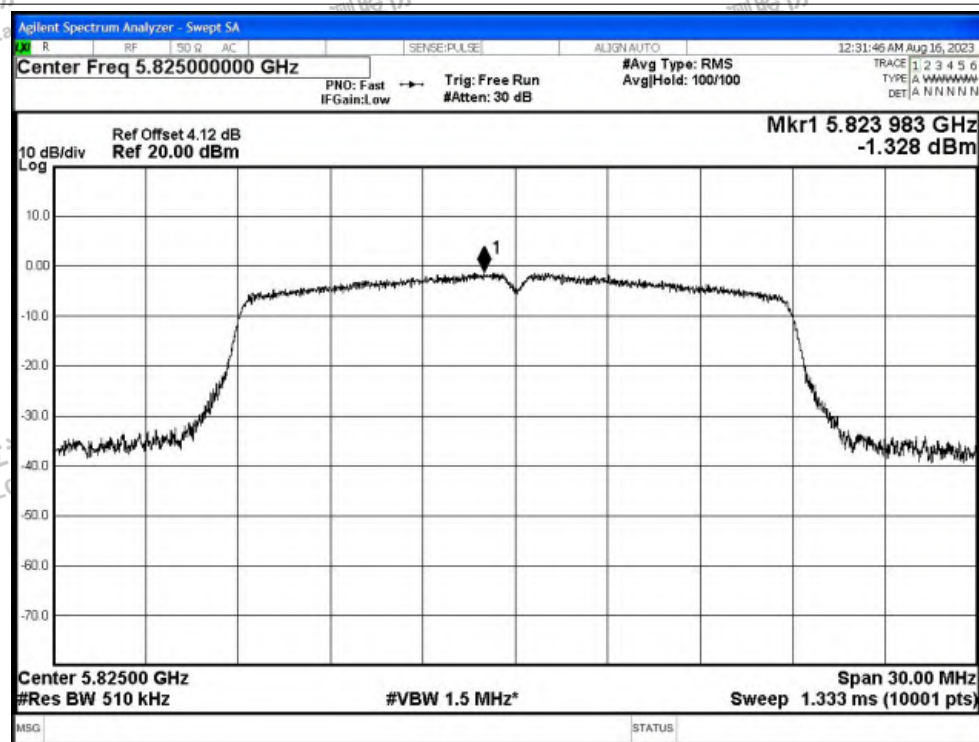
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

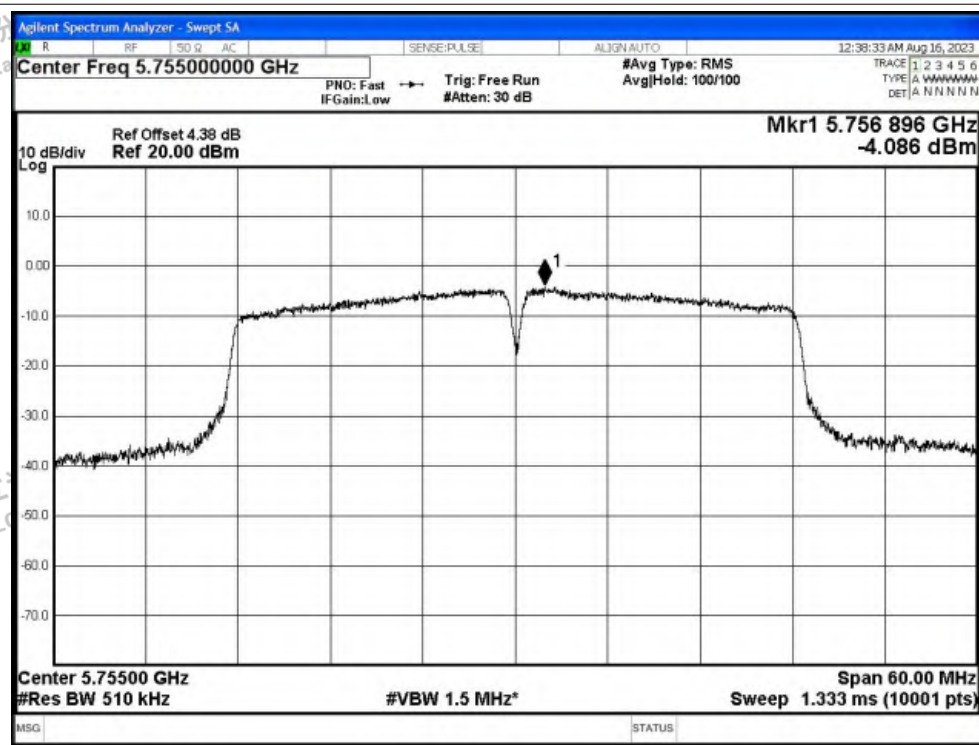
Scan code to check authenticity



PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5755MHz Ant1

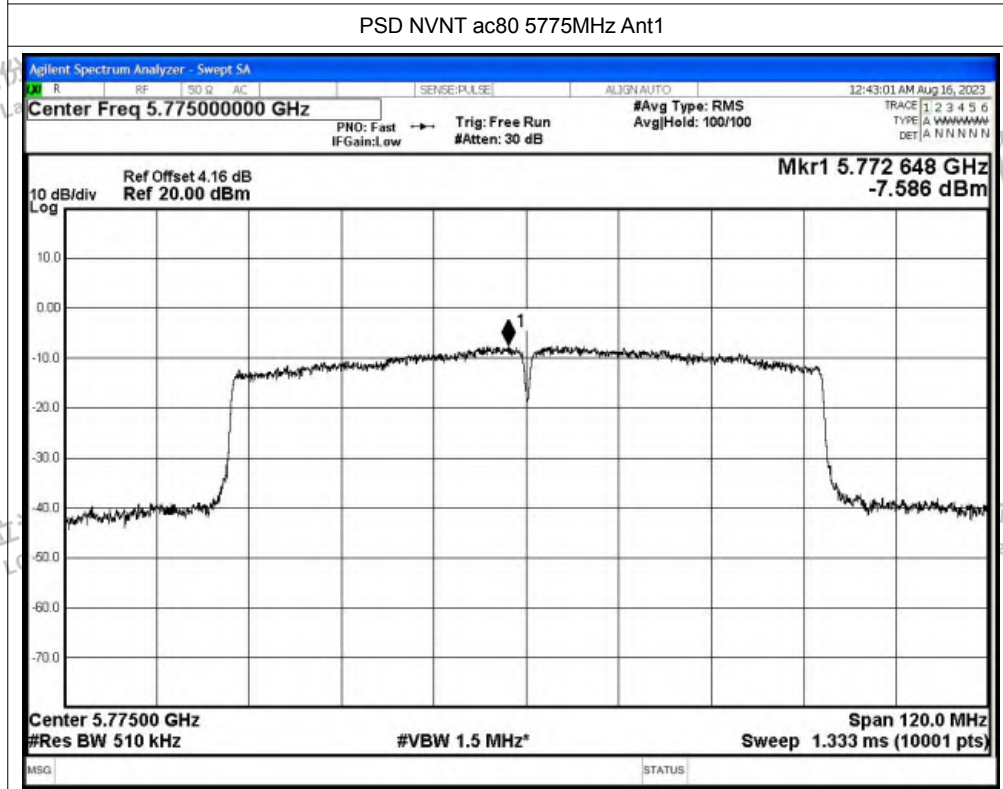
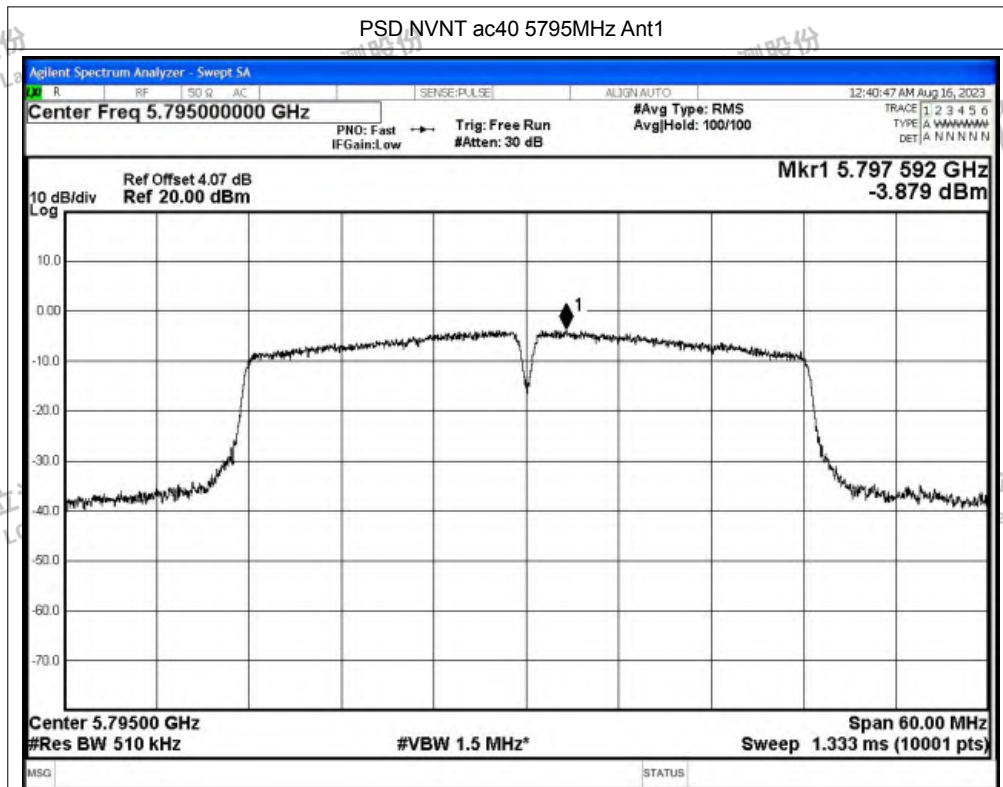


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## E.4 Restrict Band

| Condition | Mode | Frequency<br>(MHz) | Antenna | Spur Freq<br>(MHz) | Power<br>(dBm) | Gain<br>(dBi) | EIRP Power<br>(dBm) | Detector | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------|----------------|---------------|---------------------|----------|----------------|---------|
| NVNT      | a    | 5745               | Ant1    | 5650               | -48.73         | 2             | -46.73              | Peak     | -27            | Pass    |
| NVNT      | a    | 5745               | Ant1    | 5650               | -55.75         | 2             | -53.75              | Average  | -27            | Pass    |
| NVNT      | a    | 5745               | Ant1    | 5700               | -41.84         | 2             | -39.84              | Peak     | 10             | Pass    |
| NVNT      | a    | 5745               | Ant1    | 5700               | -52.07         | 2             | -50.07              | Average  | 10             | Pass    |
| NVNT      | a    | 5745               | Ant1    | 5720               | -32.09         | 2             | -30.09              | Peak     | 15.6           | Pass    |
| NVNT      | a    | 5745               | Ant1    | 5720               | -41.12         | 2             | -39.12              | Average  | 15.6           | Pass    |
| NVNT      | a    | 5745               | Ant1    | 5725               | -27.03         | 2             | -25.03              | Peak     | 27             | Pass    |
| NVNT      | a    | 5745               | Ant1    | 5725               | -35.6          | 2             | -33.6               | Average  | 27             | Pass    |
| NVNT      | a    | 5825               | Ant1    | 5850               | -30.19         | 2             | -28.19              | Peak     | 27             | Pass    |
| NVNT      | a    | 5825               | Ant1    | 5850               | -42.36         | 2             | -40.36              | Average  | 27             | Pass    |
| NVNT      | a    | 5825               | Ant1    | 5855               | -34.51         | 2             | -32.51              | Peak     | 15.6           | Pass    |
| NVNT      | a    | 5825               | Ant1    | 5855               | -46.31         | 2             | -44.31              | Average  | 15.6           | Pass    |
| NVNT      | a    | 5825               | Ant1    | 5875               | -44.24         | 2             | -42.24              | Peak     | 10             | Pass    |
| NVNT      | a    | 5825               | Ant1    | 5875               | -53.96         | 2             | -51.96              | Average  | 10             | Pass    |
| NVNT      | a    | 5825               | Ant1    | 5925               | -48.73         | 2             | -46.73              | Peak     | -27            | Pass    |
| NVNT      | a    | 5825               | Ant1    | 5925               | -55.5          | 2             | -53.5               | Average  | -27            | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 5650               | -48.95         | 2             | -46.95              | Peak     | -27            | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 5650               | -55.7          | 2             | -53.7               | Average  | -27            | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 5700               | -44.52         | 2             | -42.52              | Peak     | 10             | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 5700               | -53.11         | 2             | -51.11              | Average  | 10             | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 5720               | -33.63         | 2             | -31.63              | Peak     | 15.6           | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 5720               | -42.93         | 2             | -40.93              | Average  | 15.6           | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 5725               | -25.03         | 2             | -23.03              | Peak     | 27             | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 5725               | -37.15         | 2             | -35.15              | Average  | 27             | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 5850               | -32.06         | 2             | -30.06              | Peak     | 27             | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 5850               | -41.19         | 2             | -39.19              | Average  | 27             | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 5855               | -35.75         | 2             | -33.75              | Peak     | 15.6           | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 5855               | -45.3          | 2             | -43.3               | Average  | 15.6           | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 5875               | -40.87         | 2             | -38.87              | Peak     | 10             | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 5875               | -53.78         | 2             | -51.78              | Average  | 10             | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 5925               | -47.99         | 2             | -45.99              | Peak     | -27            | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 5925               | -55.46         | 2             | -53.46              | Average  | -27            | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 5650               | -47.7          | 2             | -45.7               | Peak     | -27            | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 5650               | -55.05         | 2             | -53.05              | Average  | -27            | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 5700               | -38.28         | 2             | -36.28              | Peak     | 10             | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 5700               | -46.72         | 2             | -44.72              | Average  | 10             | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 5720               | -27.96         | 2             | -25.96              | Peak     | 15.6           | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 5720               | -36.13         | 2             | -34.13              | Average  | 15.6           | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 5725               | -28.06         | 2             | -26.06              | Peak     | 27             | Pass    |



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|      |      |      |      |      |        |   |        |         |      |      |
|------|------|------|------|------|--------|---|--------|---------|------|------|
| NVNT | n40  | 5755 | Ant1 | 5725 | -34.03 | 2 | -32.03 | Average | 27   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5850 | -34.76 | 2 | -32.76 | Peak    | 27   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5850 | -43.77 | 2 | -41.77 | Average | 27   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5855 | -36.66 | 2 | -34.66 | Peak    | 15.6 | Pass |
| NVNT | n40  | 5795 | Ant1 | 5855 | -45.61 | 2 | -43.61 | Average | 15.6 | Pass |
| NVNT | n40  | 5795 | Ant1 | 5875 | -40.78 | 2 | -38.78 | Peak    | 10   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5875 | -51.38 | 2 | -49.38 | Average | 10   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5925 | -46.61 | 2 | -44.61 | Peak    | -27  | Pass |
| NVNT | n40  | 5795 | Ant1 | 5925 | -55.12 | 2 | -53.12 | Average | -27  | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5650 | -48.84 | 2 | -46.84 | Peak    | -27  | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5650 | -55.46 | 2 | -53.46 | Average | -27  | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5700 | -46.49 | 2 | -44.49 | Peak    | 10   | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5700 | -52.5  | 2 | -50.5  | Average | 10   | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5720 | -33.38 | 2 | -31.38 | Peak    | 15.6 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5720 | -42.41 | 2 | -40.41 | Average | 15.6 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5725 | -27.56 | 2 | -25.56 | Peak    | 27   | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5725 | -37.49 | 2 | -35.49 | Average | 27   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5850 | -30.95 | 2 | -28.95 | Peak    | 27   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5850 | -41.67 | 2 | -39.67 | Average | 27   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5855 | -36.84 | 2 | -34.84 | Peak    | 15.6 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5855 | -45.41 | 2 | -43.41 | Average | 15.6 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5875 | -45.79 | 2 | -43.79 | Peak    | 10   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5875 | -53.69 | 2 | -51.69 | Average | 10   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5925 | -46.61 | 2 | -44.61 | Peak    | -27  | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5925 | -55.46 | 2 | -53.46 | Average | -27  | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5650 | -47.28 | 2 | -45.28 | Peak    | -27  | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5650 | -55.26 | 2 | -53.26 | Average | -27  | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5700 | -40.11 | 2 | -38.11 | Peak    | 10   | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5700 | -47.47 | 2 | -45.47 | Average | 10   | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5720 | -25.89 | 2 | -23.89 | Peak    | 15.6 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5720 | -35.89 | 2 | -33.89 | Average | 15.6 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5725 | -24.44 | 2 | -22.44 | Peak    | 27   | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5725 | -33.71 | 2 | -31.71 | Average | 27   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5850 | -36.15 | 2 | -34.15 | Peak    | 27   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5850 | -44.75 | 2 | -42.75 | Average | 27   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5855 | -36.55 | 2 | -34.55 | Peak    | 15.6 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5855 | -46.71 | 2 | -44.71 | Average | 15.6 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5875 | -44.88 | 2 | -42.88 | Peak    | 10   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5875 | -52.05 | 2 | -50.05 | Average | 10   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5925 | -47.43 | 2 | -45.43 | Peak    | -27  | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5925 | -55.33 | 2 | -53.33 | Average | -27  | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5650 | -42.6  | 2 | -40.6  | Peak    | -27  | Pass |



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|------|------|------|------|------|--------|---|--------|---------|------|------|
| NVNT | ac80 | 5775 | Ant1 | 5650 | -50.41 | 2 | -48.41 | Average | -27  | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5700 | -32.54 | 2 | -30.54 | Peak    | 10   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5700 | -40.1  | 2 | -38.1  | Average | 10   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5720 | -24    | 2 | -22    | Peak    | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5720 | -35.56 | 2 | -33.56 | Average | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5725 | -28.75 | 2 | -26.75 | Peak    | 27   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5725 | -35.42 | 2 | -33.42 | Average | 27   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5850 | -29.19 | 2 | -27.19 | Peak    | 27   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5850 | -37.83 | 2 | -35.83 | Average | 27   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5855 | -30.02 | 2 | -28.02 | Peak    | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5855 | -38.36 | 2 | -36.36 | Average | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5875 | -34.11 | 2 | -32.11 | Peak    | 10   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5875 | -42.42 | 2 | -40.42 | Average | 10   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5925 | -43.19 | 2 | -41.19 | Peak    | -27  | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5925 | -50.05 | 2 | -48.05 | Average | -27  | Pass |



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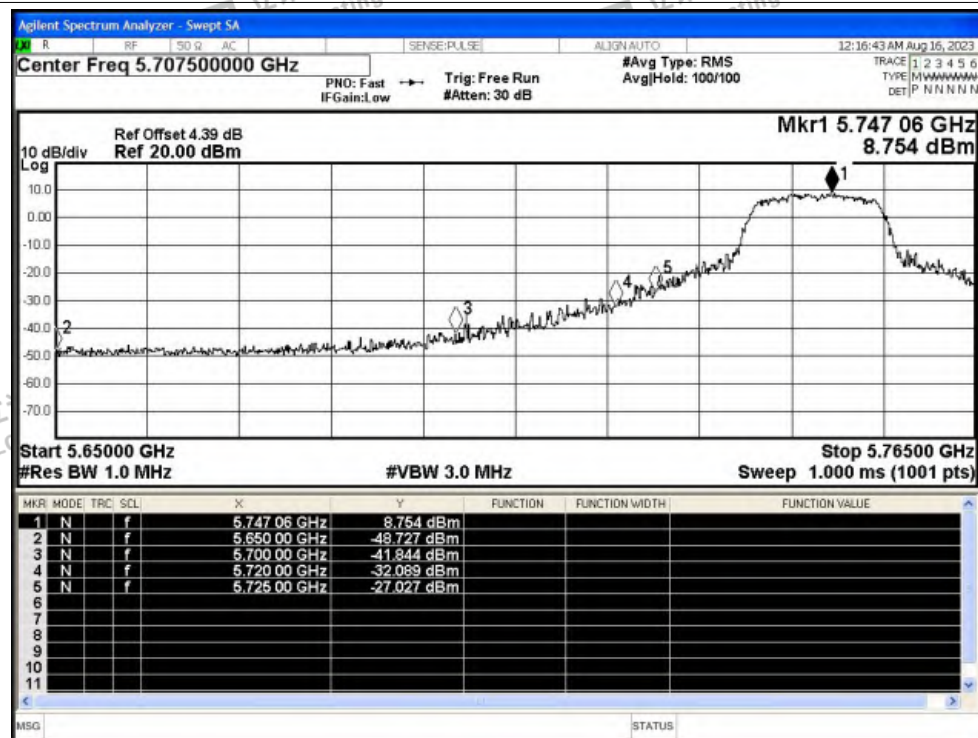
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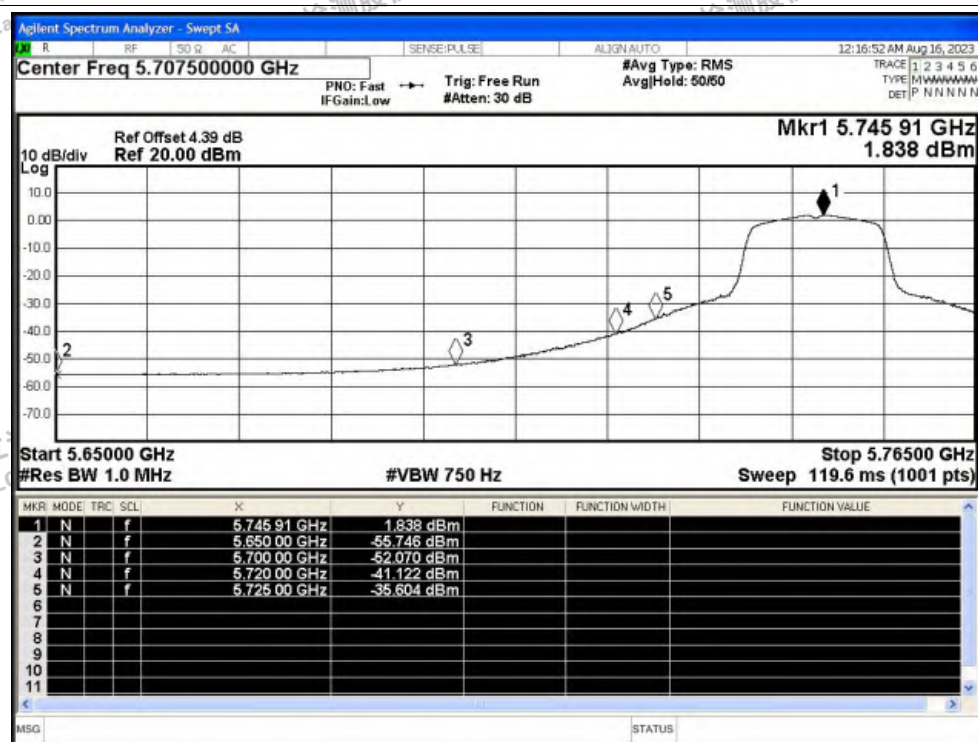


## Test Graphs

## Restrict Band NVNT a 5745MHz Ant1 Peak



## Restrict Band NVNT a 5745MHz Ant1 Average



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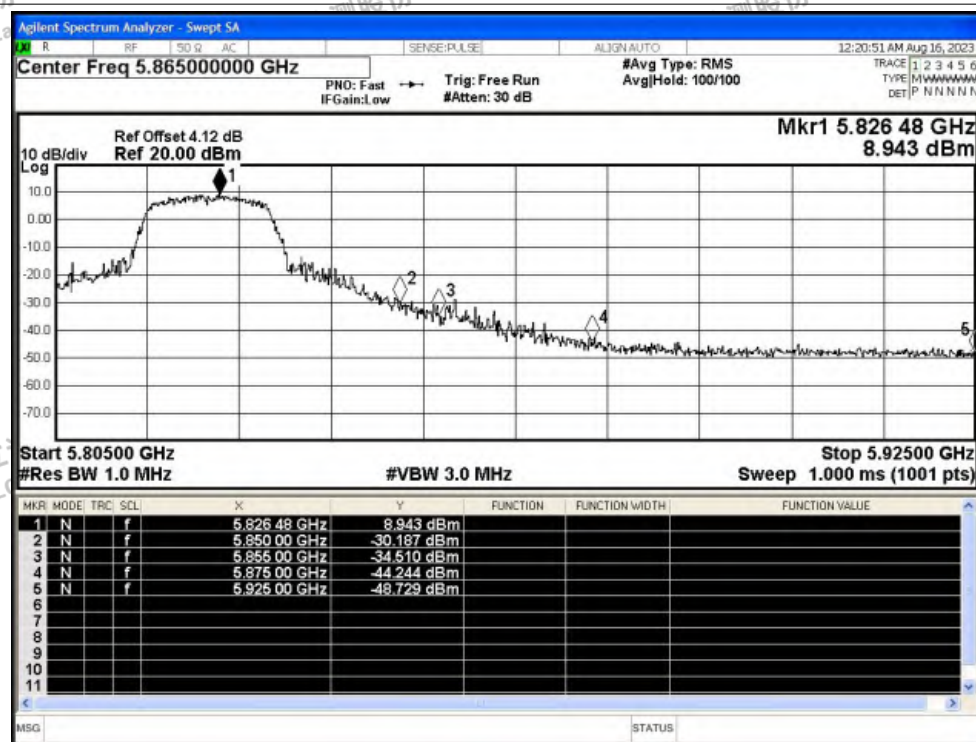
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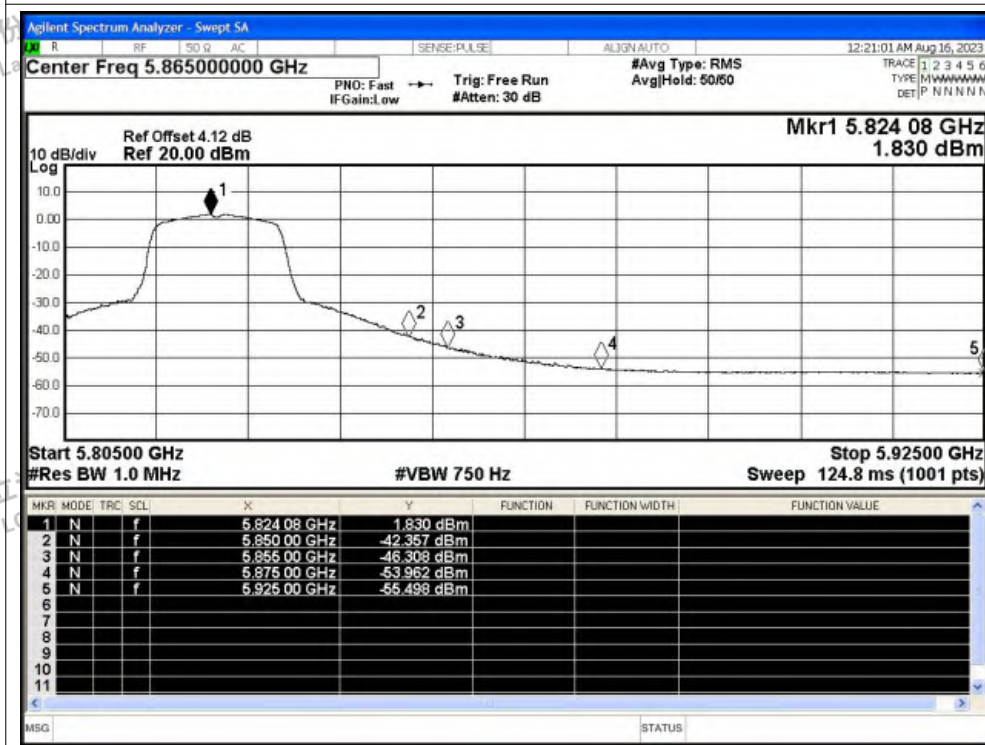
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## Restrict Band NVNT a 5825MHz Ant1 Peak



## Restrict Band NVNT a 5825MHz Ant1 Average



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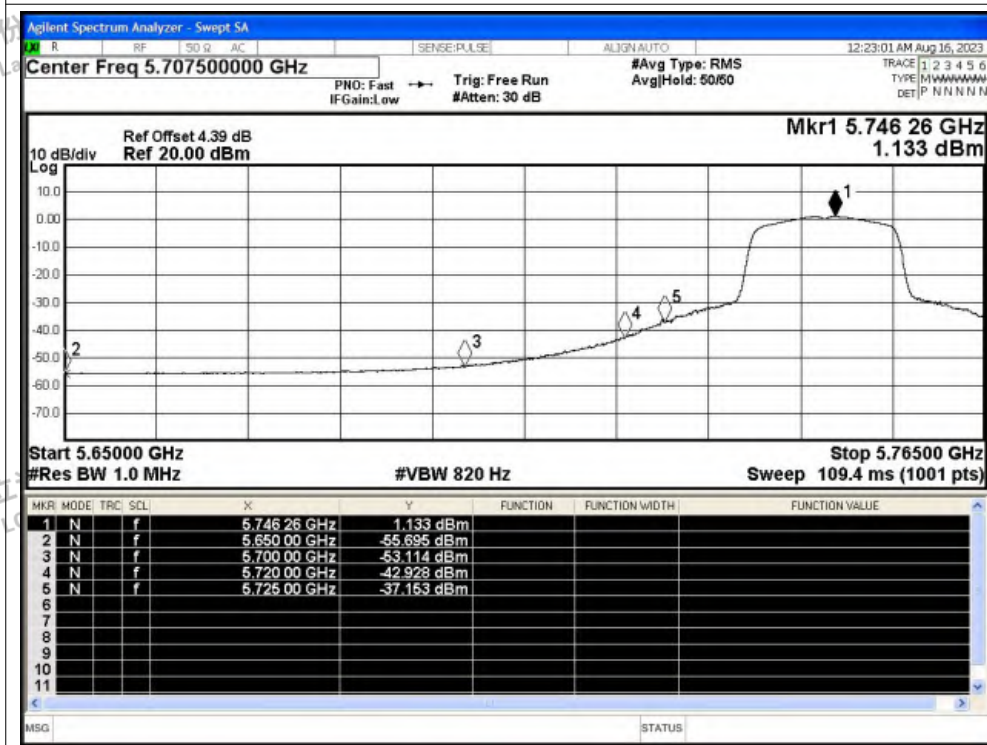
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## Restrict Band NVNT n20 5745MHz Ant1 Peak



## Restrict Band NVNT n20 5745MHz Ant1 Average



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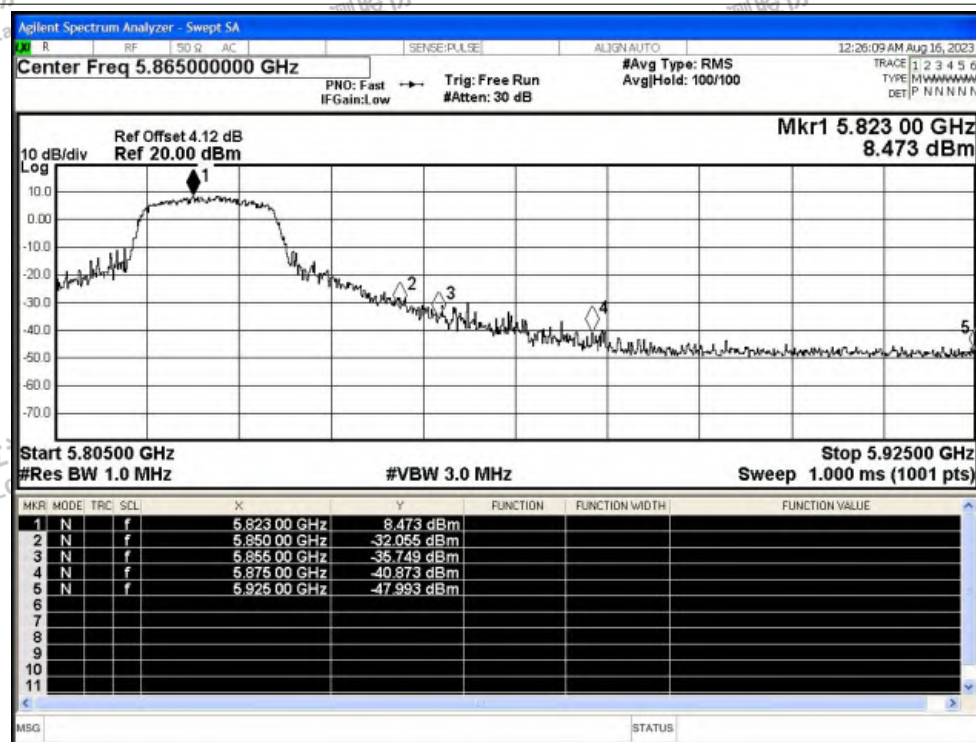
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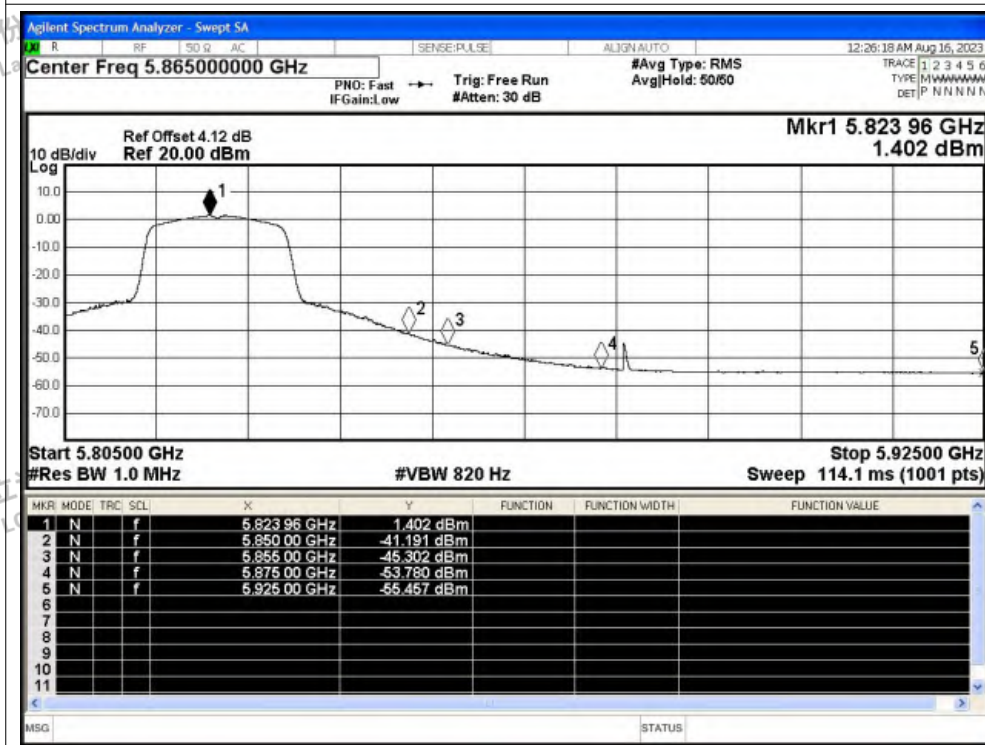
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## Restrict Band NVNT n20 5825MHz Ant1 Peak



## Restrict Band NVNT n20 5825MHz Ant1 Average



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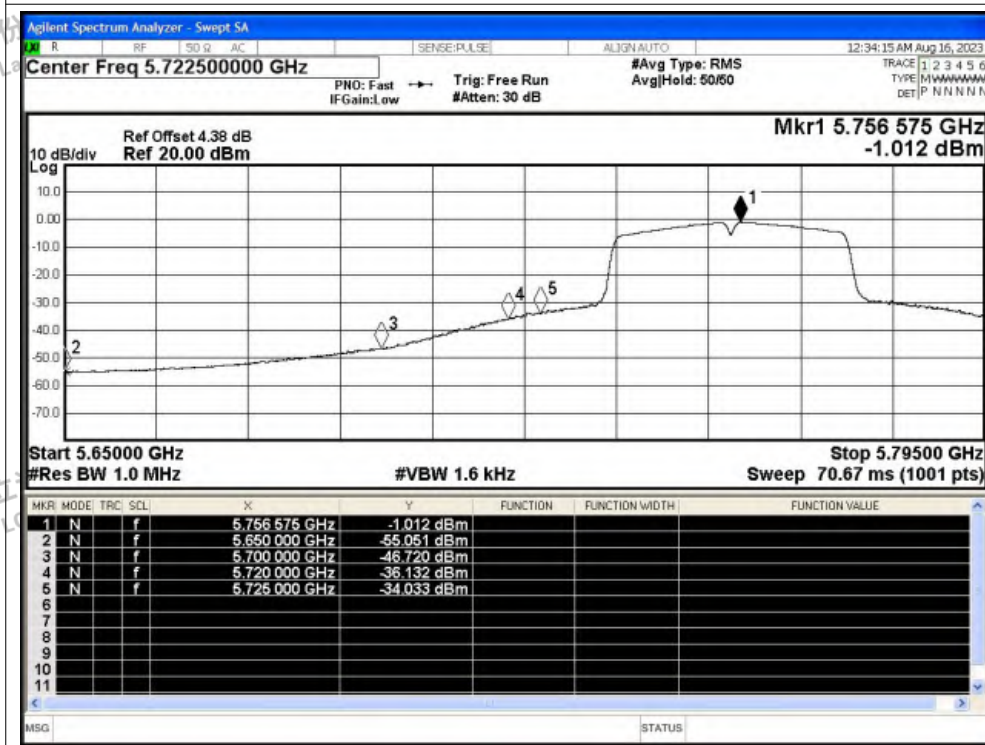
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## Restrict Band NVNT n40 5755MHz Ant1 Peak



## Restrict Band NVNT n40 5755MHz Ant1 Average



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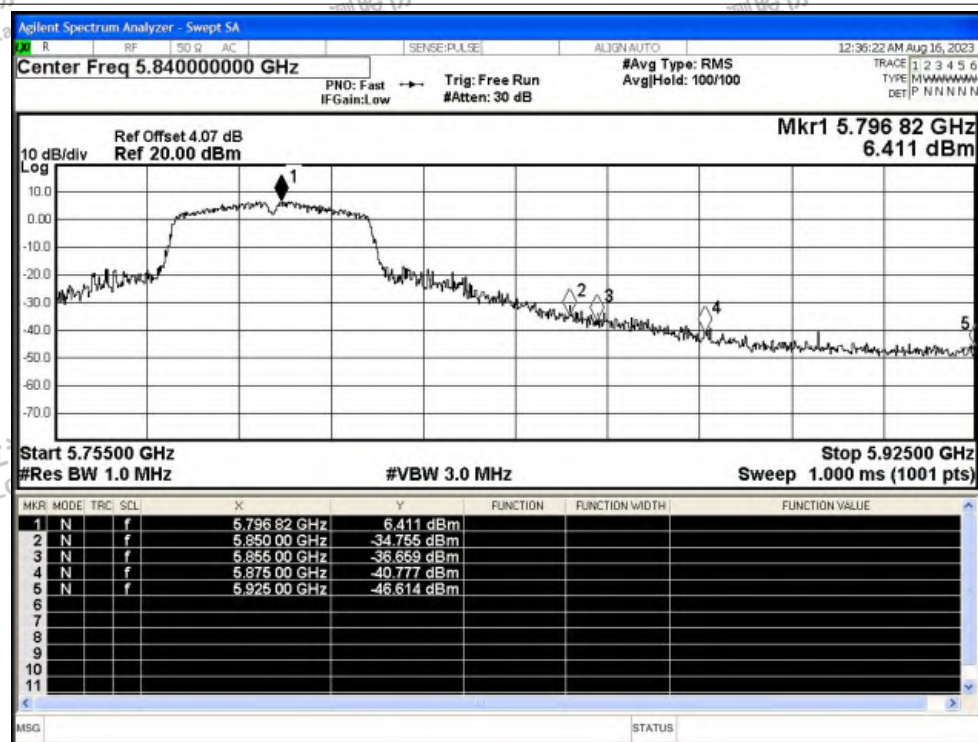
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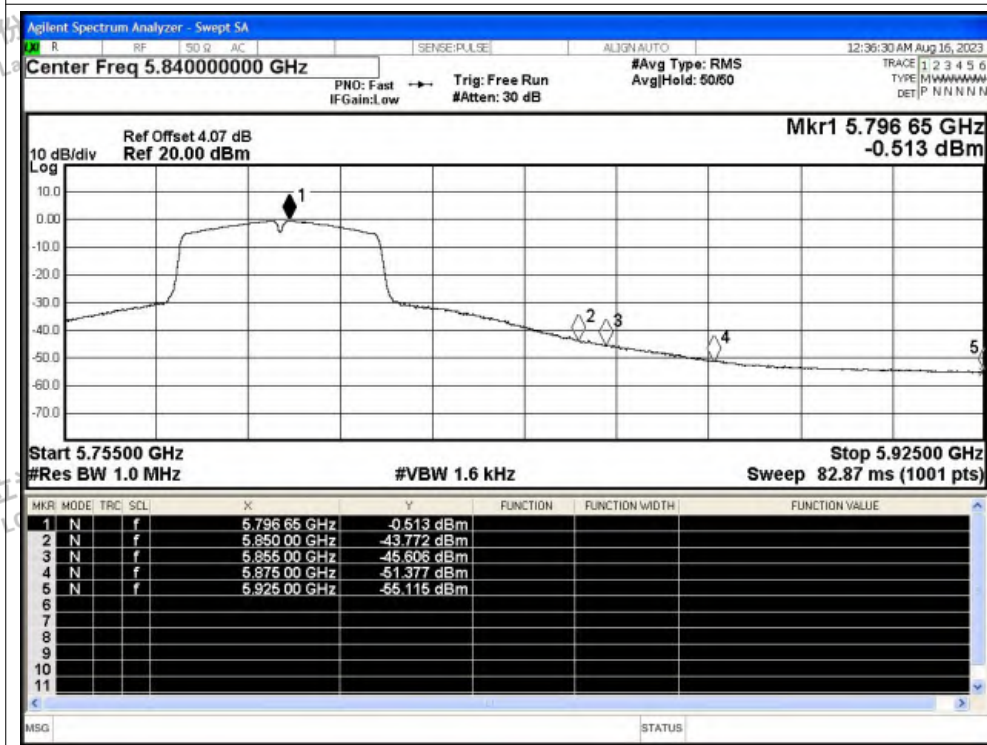
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## Restrict Band NVNT n40 5795MHz Ant1 Peak



## Restrict Band NVNT n40 5795MHz Ant1 Average



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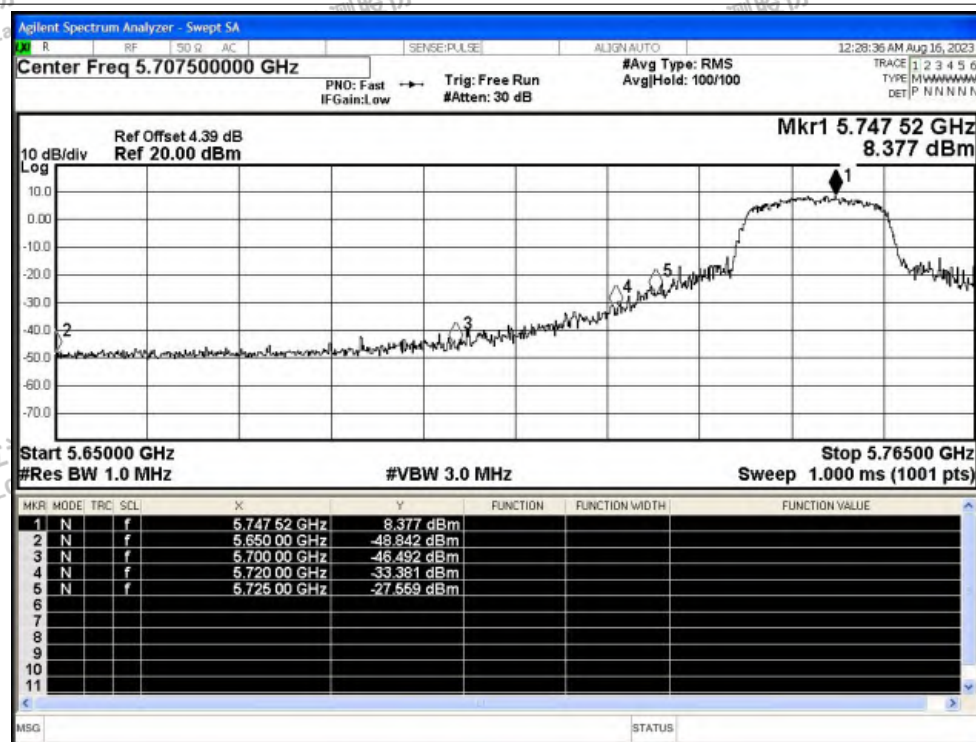
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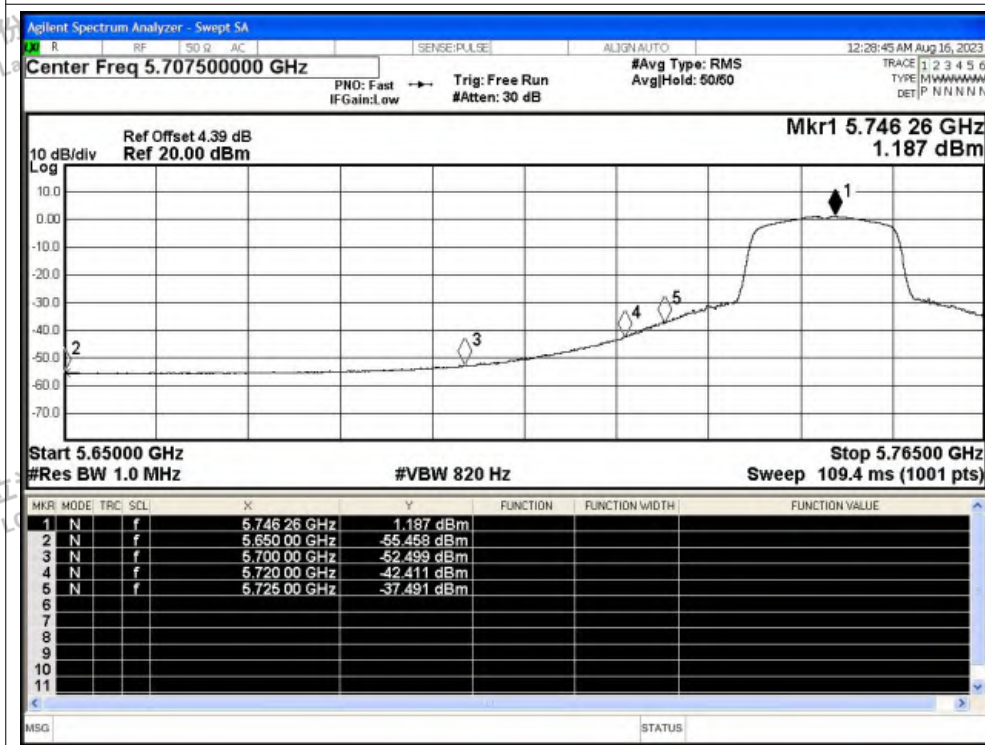
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## Restrict Band NVNT ac20 5745MHz Ant1 Peak



## Restrict Band NVNT ac20 5745MHz Ant1 Average



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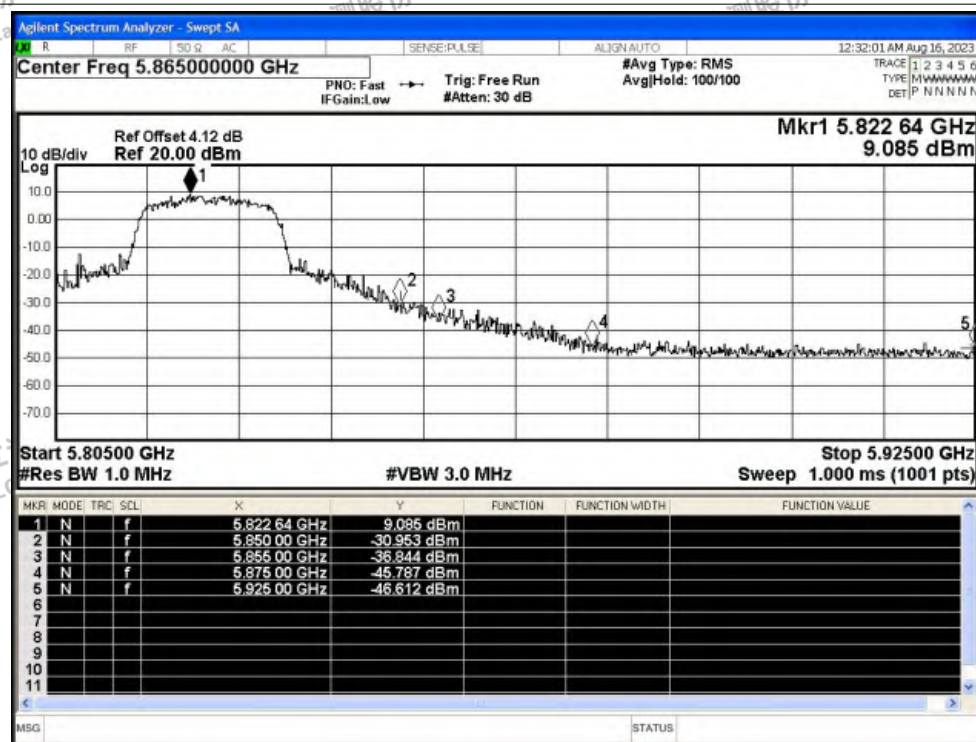
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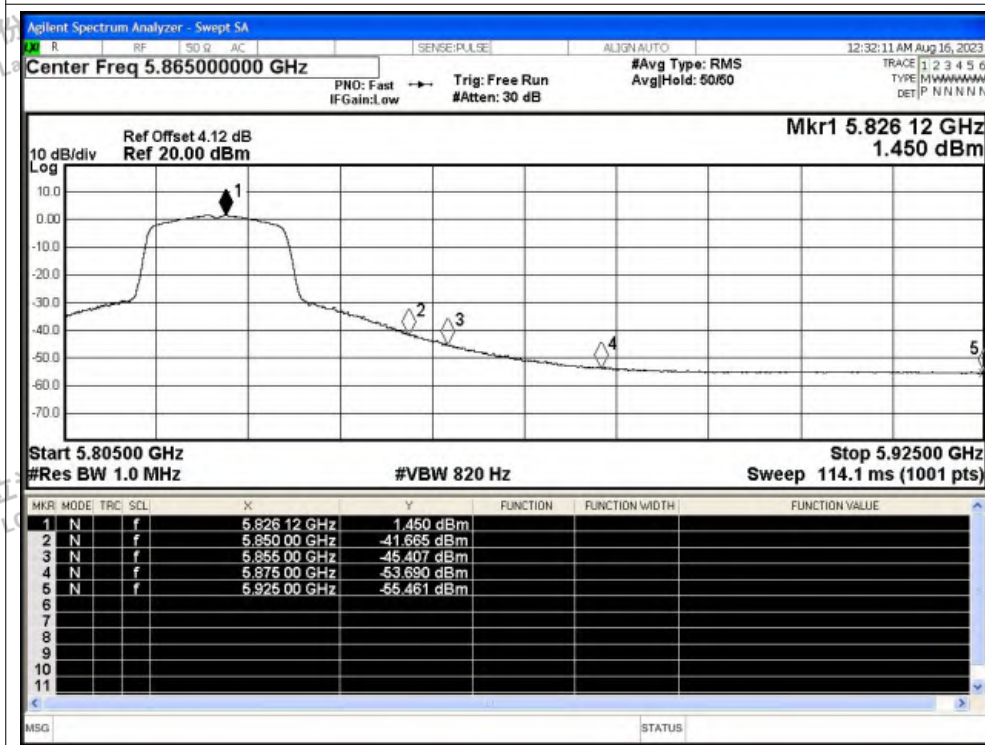
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## Restrict Band NVNT ac20 5825MHz Ant1 Peak



## Restrict Band NVNT ac20 5825MHz Ant1 Average



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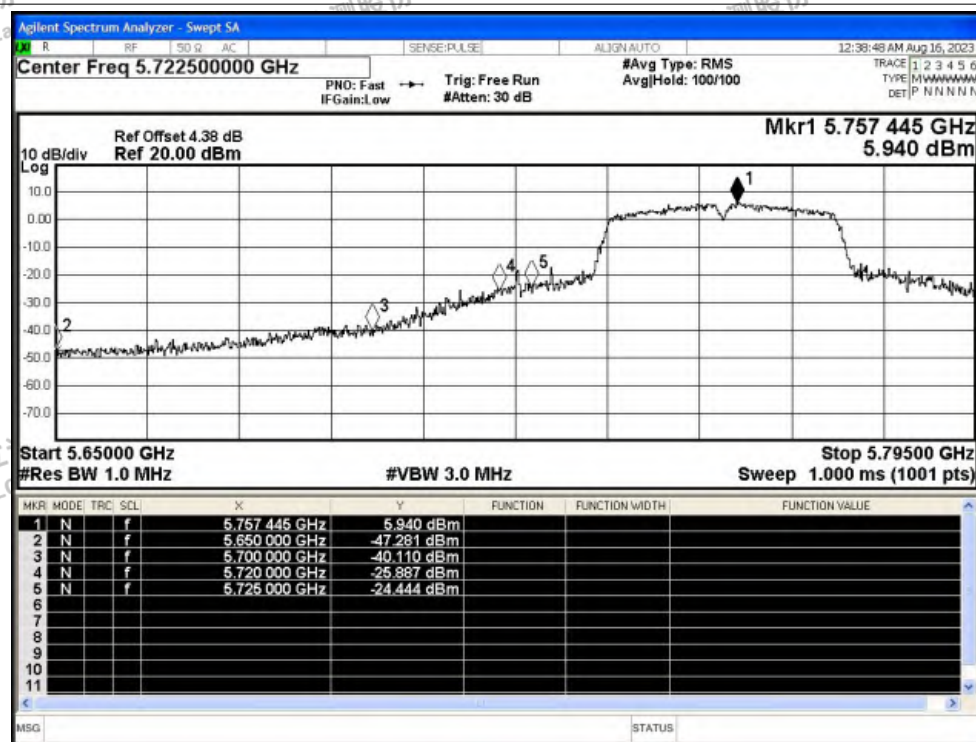
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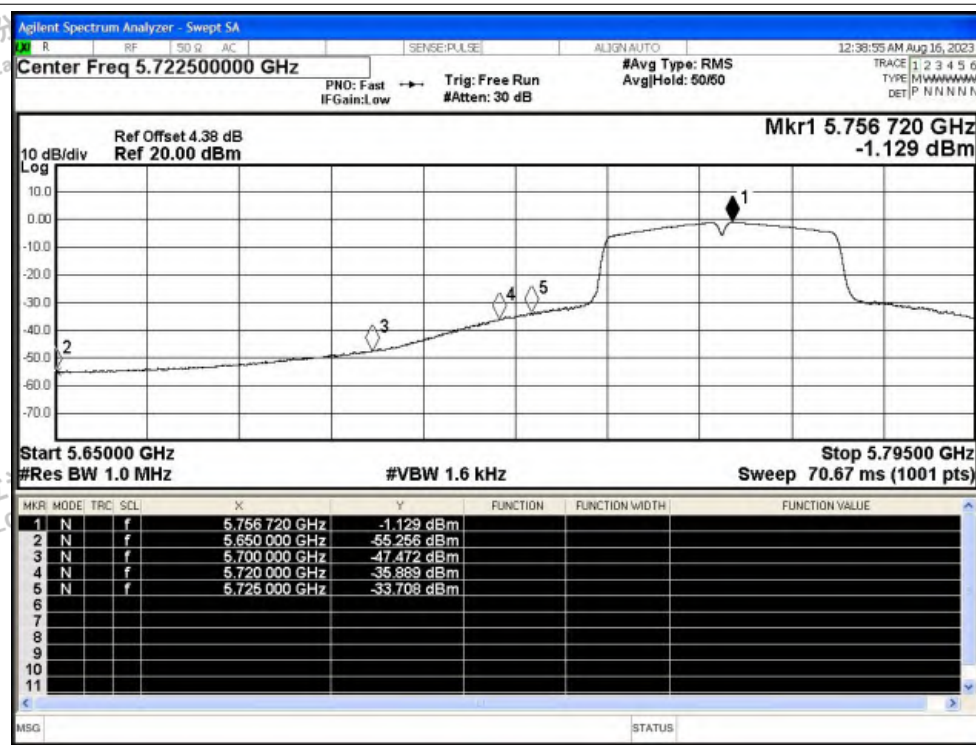
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## Restrict Band NVNT ac40 5755MHz Ant1 Peak



## Restrict Band NVNT ac40 5755MHz Ant1 Average



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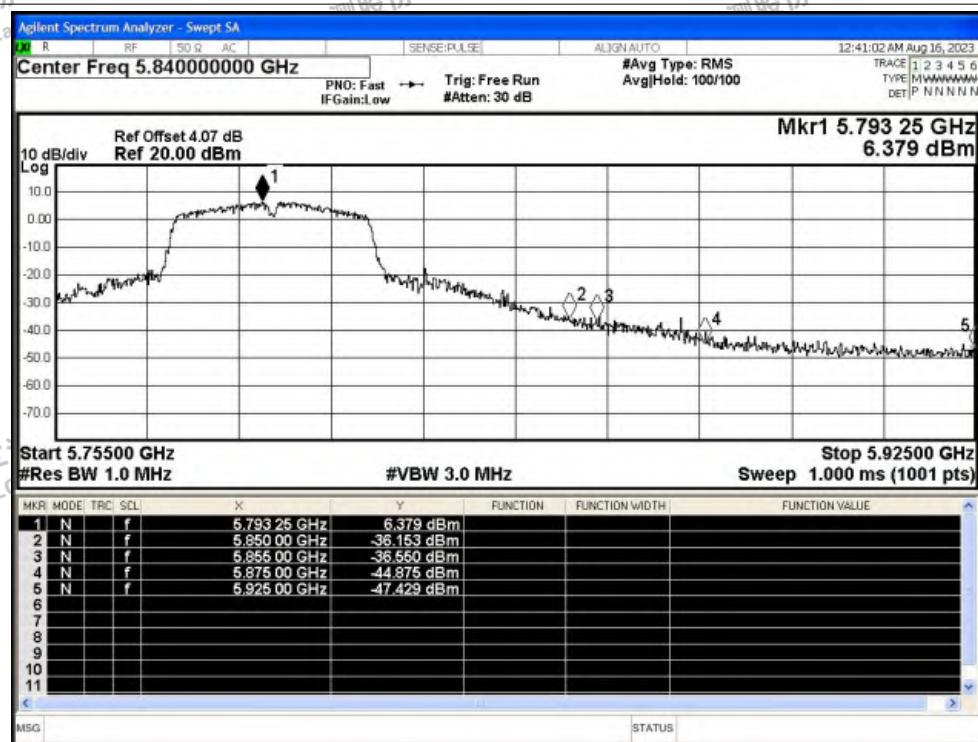
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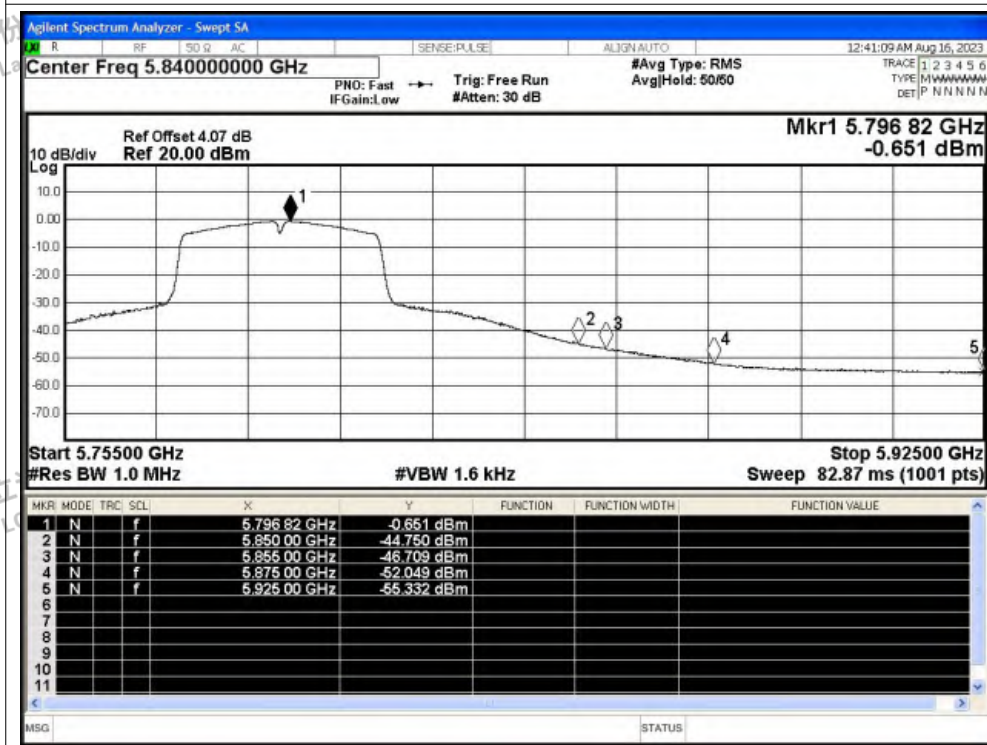
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## Restrict Band NVNT ac40 5795MHz Ant1 Peak



## Restrict Band NVNT ac40 5795MHz Ant1 Average



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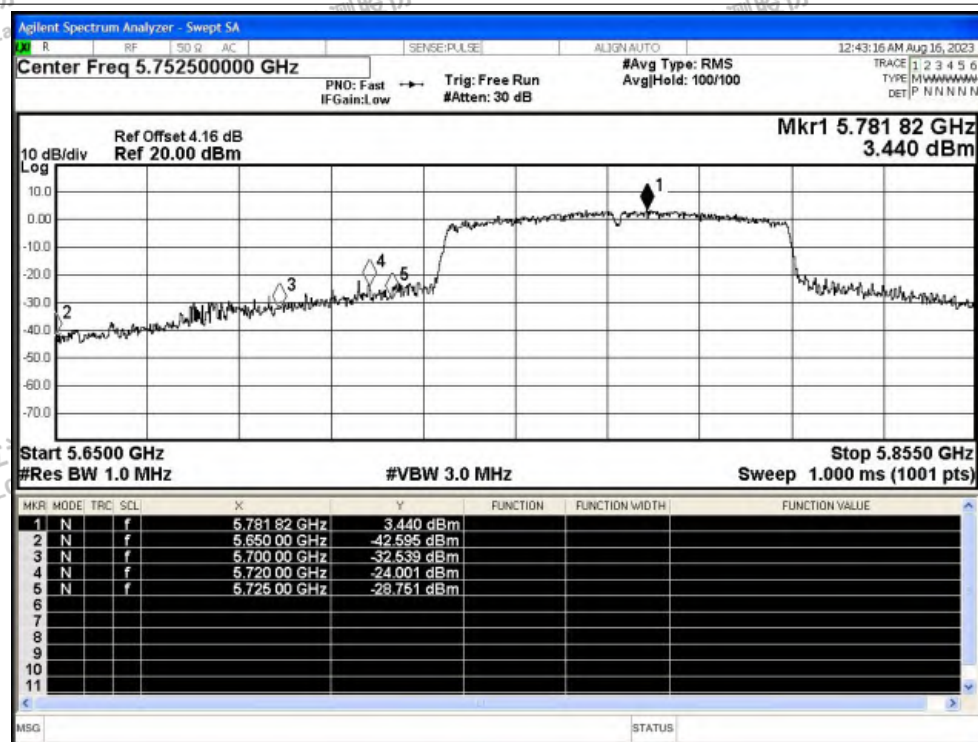
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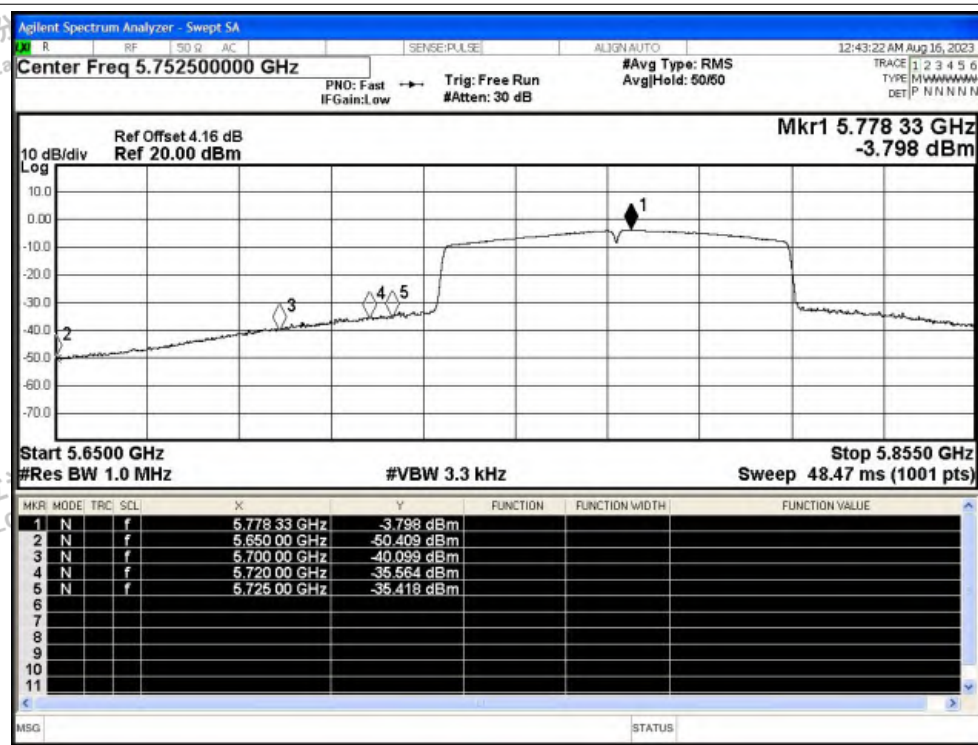
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## Restrict Band NVNT ac80 5775MHz Ant1 Peak



## Restrict Band NVNT ac80 5775MHz Ant1 Average



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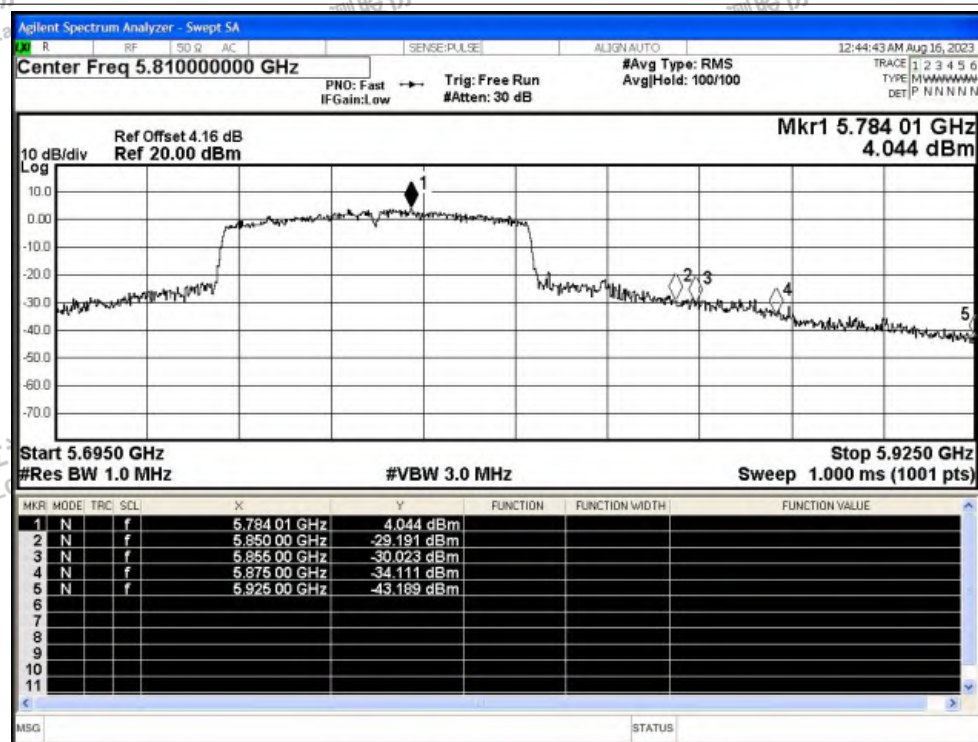
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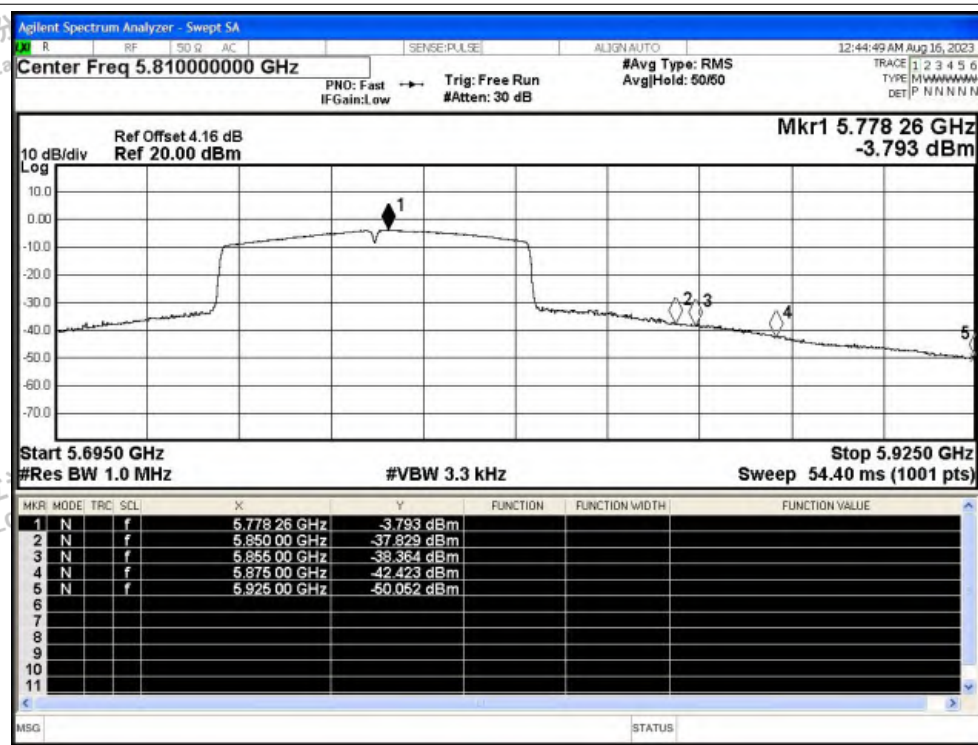
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## Restrict Band NVNT ac80 5775MHz Ant1 Peak



## Restrict Band NVNT ac80 5775MHz Ant1 Average



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## E.5 Frequency Stability

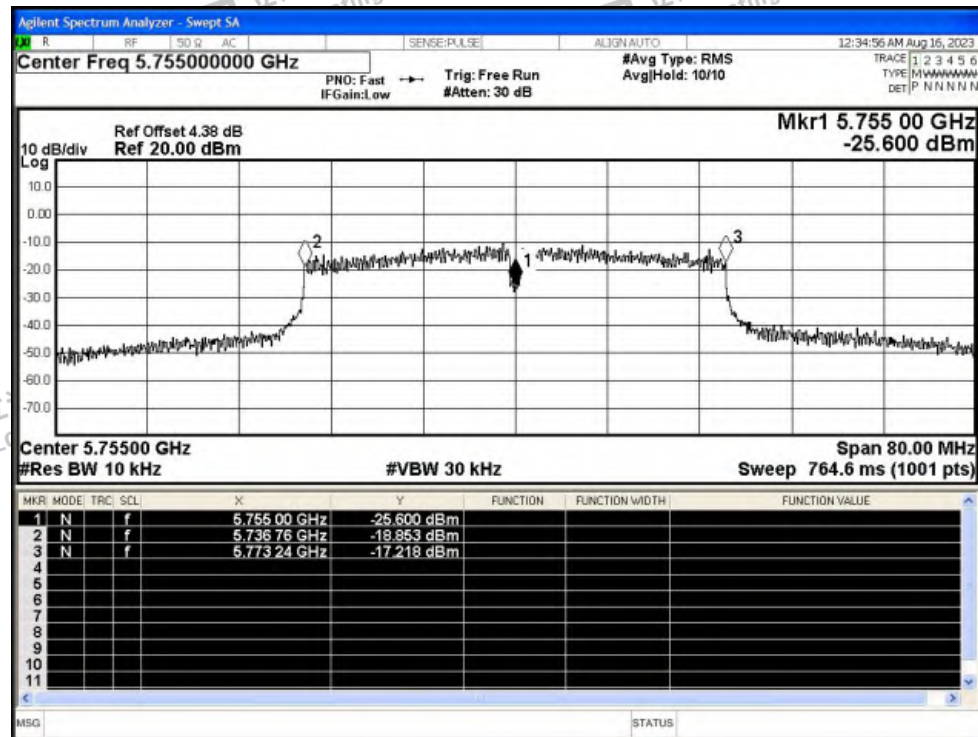
| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-----------|------|-----------------|---------|--------------------------|----------------------|-----------------|-------------|---------|
| NVNT      | n40  | 5755            | Ant1    | 5755                     | 0                    | 0               | 25          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 5795                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 5745                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 5784.96                  | -40000               | -6.91           | 25          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 5825.02                  | 20000                | 3.43            | 25          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 5755                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 5795                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 5775.08                  | 80000                | 13.85           | 25          | Pass    |



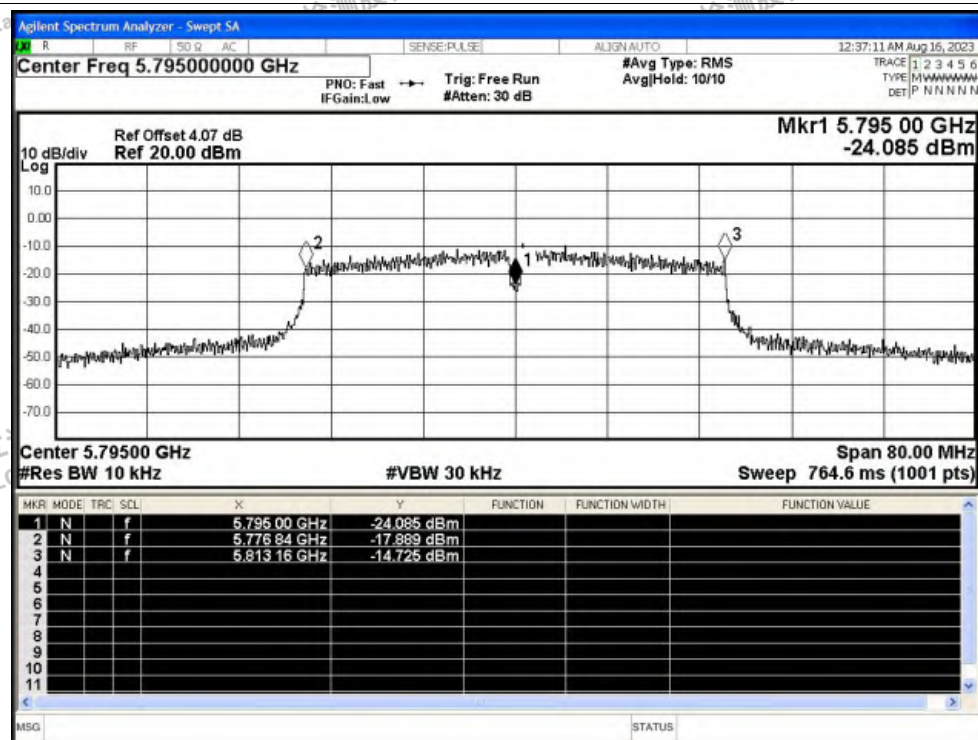


## Test Graphs

## Freq. Stability NVNT n40 5755MHz Ant1



## Freq. Stability NVNT n40 5795MHz Ant1



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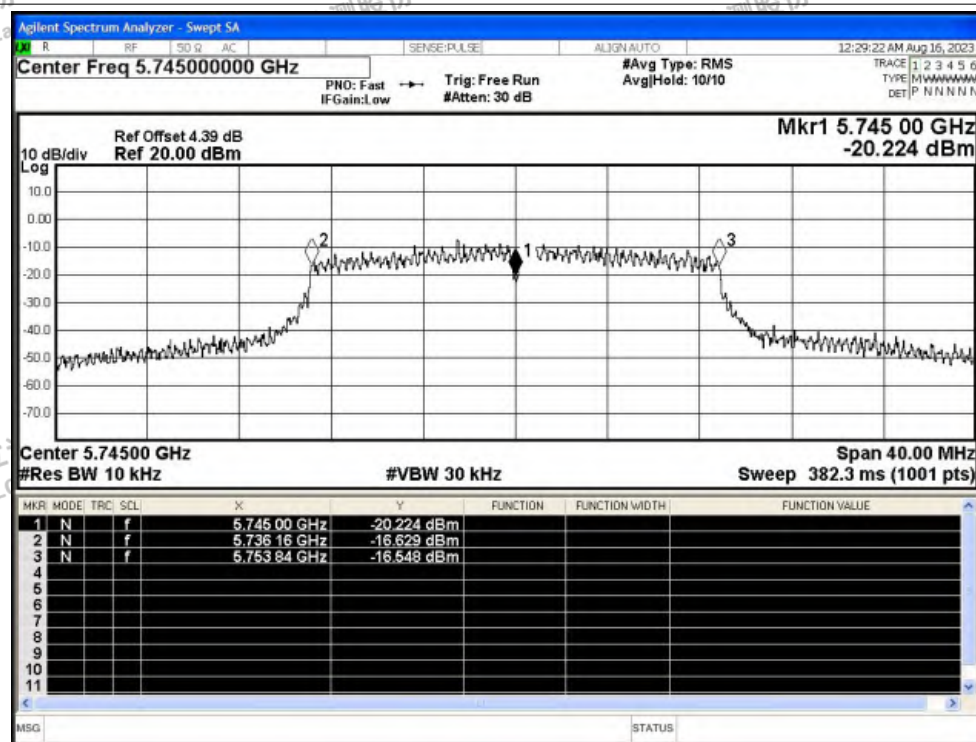
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

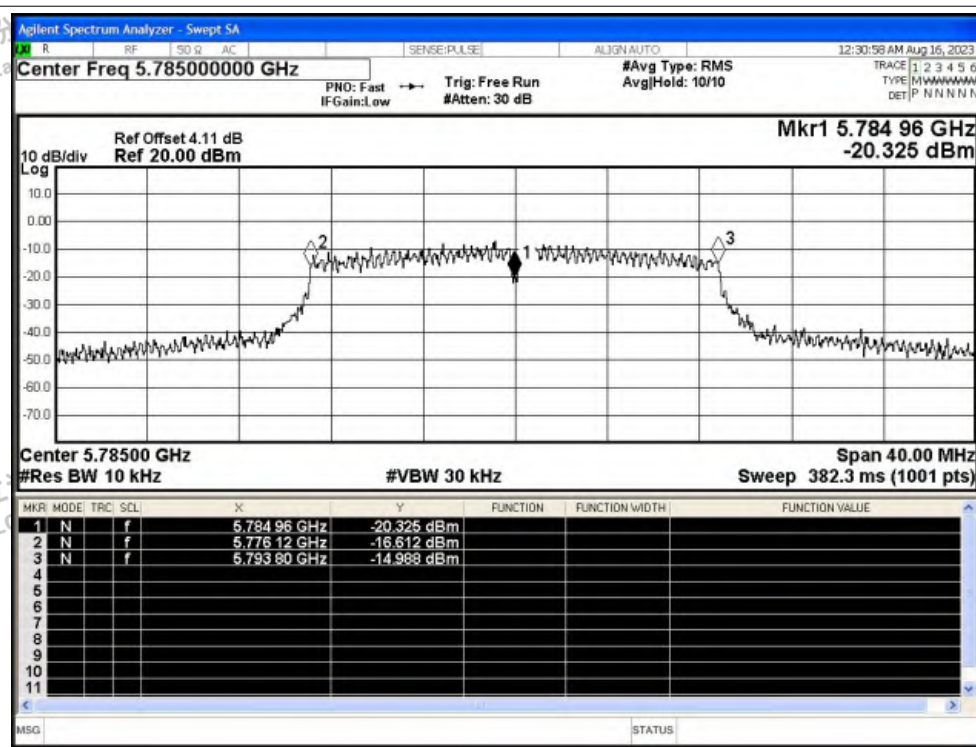
Scan code to check authenticity



## Freq. Stability NVNT ac20 5745MHz Ant1



## Freq. Stability NVNT ac20 5785MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

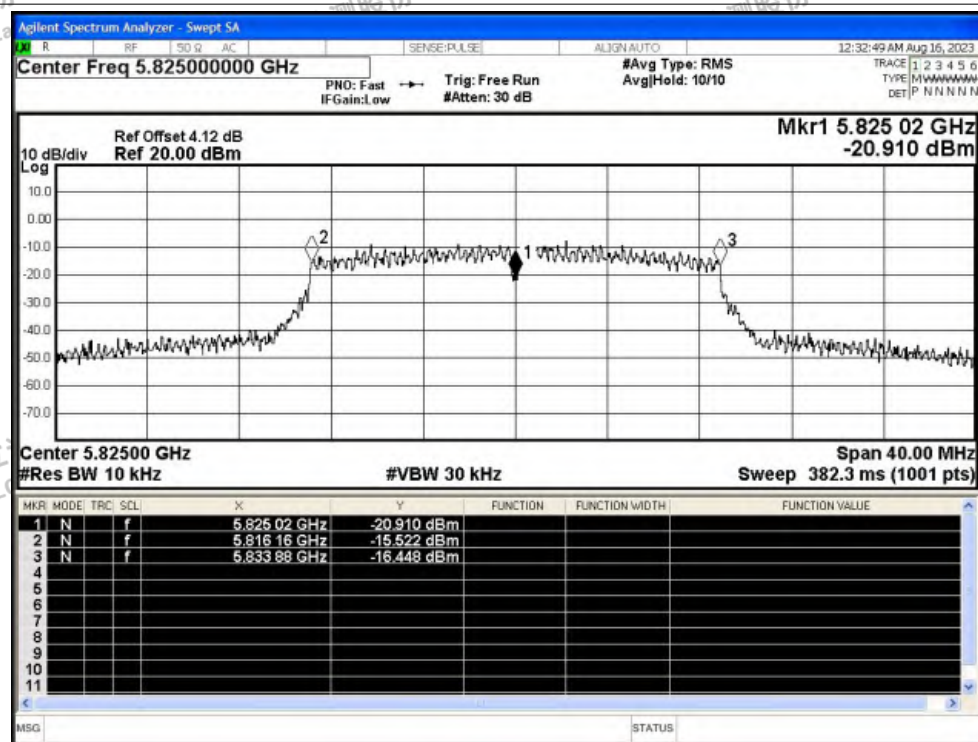
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

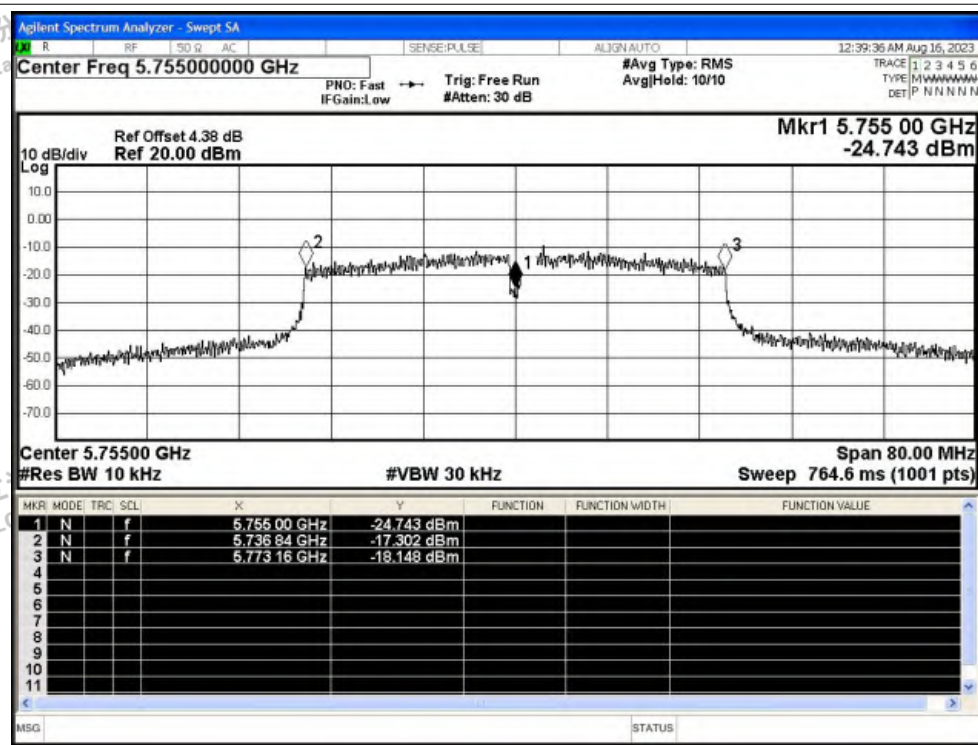
Scan code to check authenticity



## Freq. Stability NVNT ac20 5825MHz Ant1



## Freq. Stability NVNT ac40 5755MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

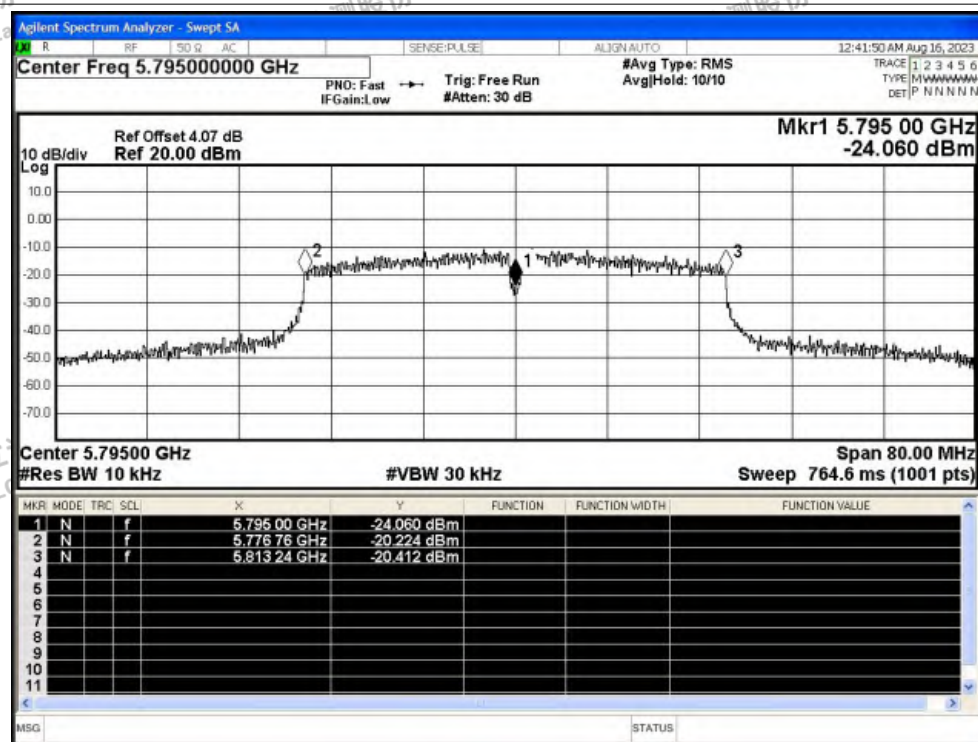
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

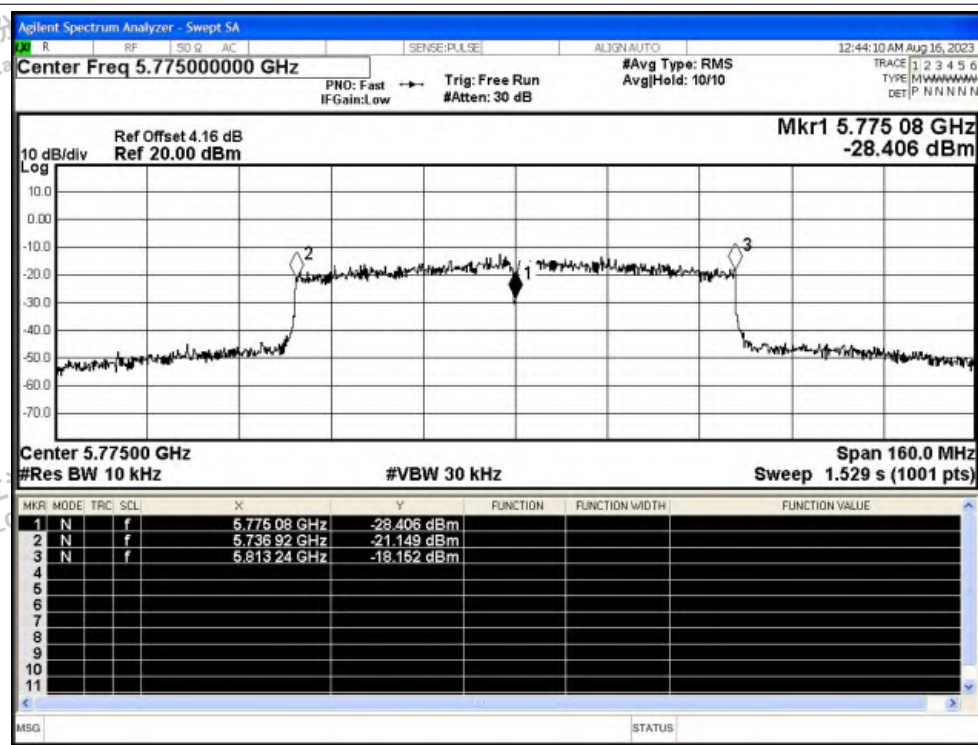
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## Freq. Stability NVNT ac40 5795MHz Ant1



## Freq. Stability NVNT ac80 5775MHz Ant1



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## E.6 Duty Cycle

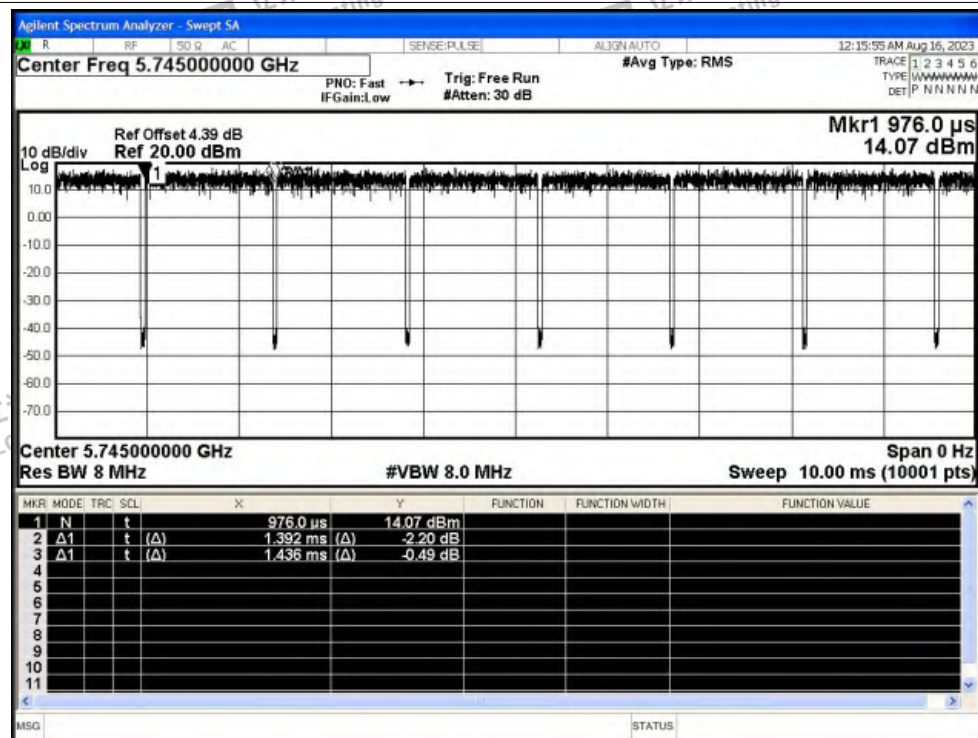
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5745            | Ant1    | 96.94          | 0.13                   | 0.72      |
| NVNT      | a    | 5785            | Ant1    | 96.94          | 0.13                   | 0.72      |
| NVNT      | a    | 5825            | Ant1    | 96.94          | 0.13                   | 0.72      |
| NVNT      | n20  | 5745            | Ant1    | 96.7           | 0.15                   | 0.78      |
| NVNT      | n20  | 5785            | Ant1    | 96.7           | 0.15                   | 0.78      |
| NVNT      | n20  | 5825            | Ant1    | 96.62          | 0.15                   | 0.78      |
| NVNT      | n40  | 5755            | Ant1    | 93.53          | 0.29                   | 1.57      |
| NVNT      | n40  | 5795            | Ant1    | 93.53          | 0.29                   | 1.57      |
| NVNT      | ac20 | 5745            | Ant1    | 96.76          | 0.14                   | 0.76      |
| NVNT      | ac20 | 5785            | Ant1    | 96.76          | 0.14                   | 0.76      |
| NVNT      | ac20 | 5825            | Ant1    | 96.76          | 0.14                   | 0.76      |
| NVNT      | ac40 | 5755            | Ant1    | 93.82          | 0.28                   | 1.53      |
| NVNT      | ac40 | 5795            | Ant1    | 93.68          | 0.28                   | 1.53      |
| NVNT      | ac80 | 5775            | Ant1    | 88.08          | 0.55                   | 3.08      |



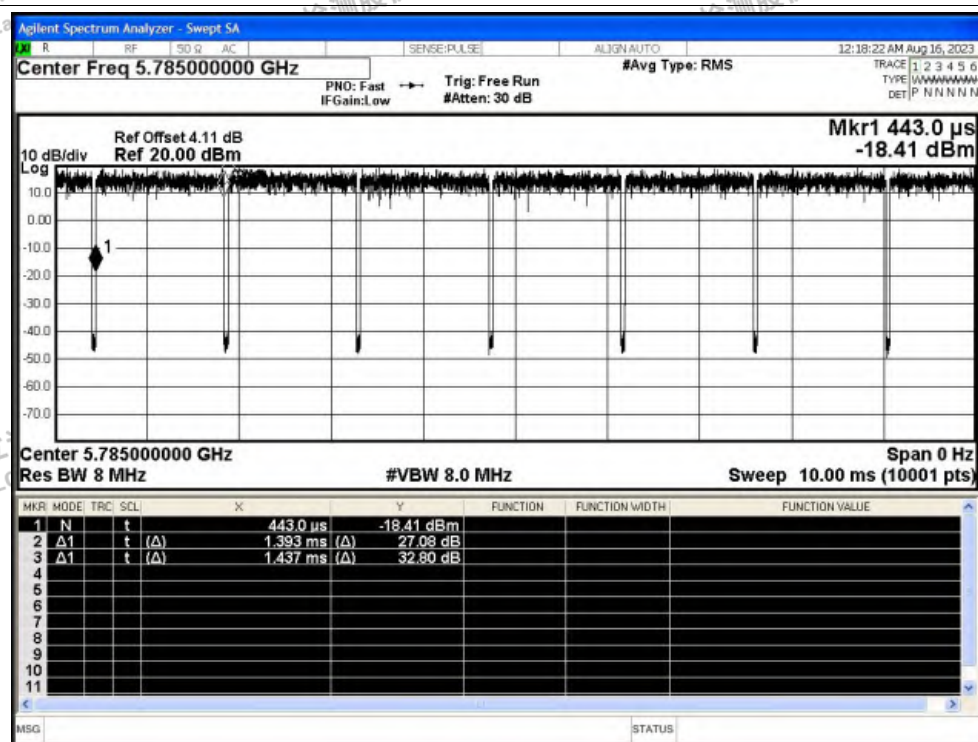


## Test Graphs

## Duty Cycle NVNT a 5745MHz Ant1



## Duty Cycle NVNT a 5785MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

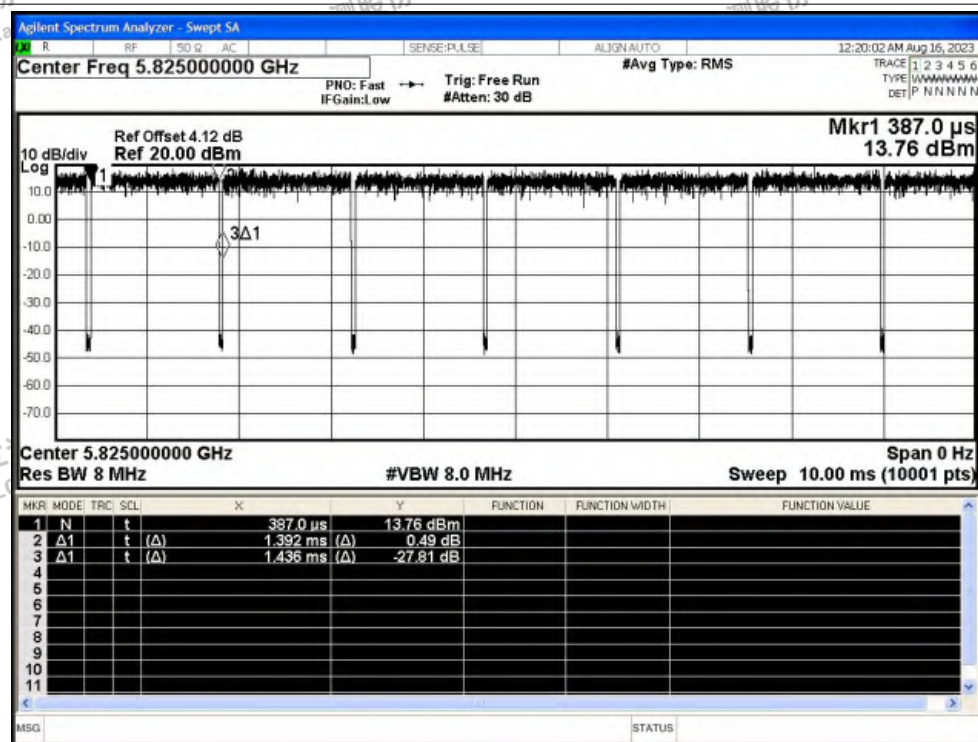
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

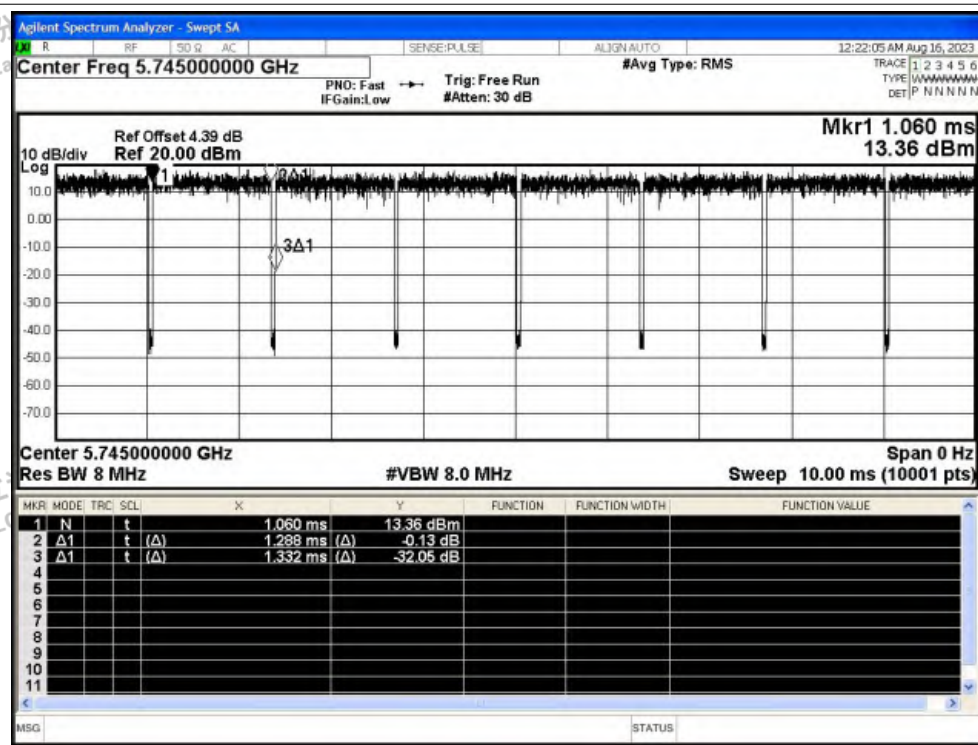
Scan code to check authenticity



## Duty Cycle NVNT a 5825MHz Ant1



## Duty Cycle NVNT n20 5745MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

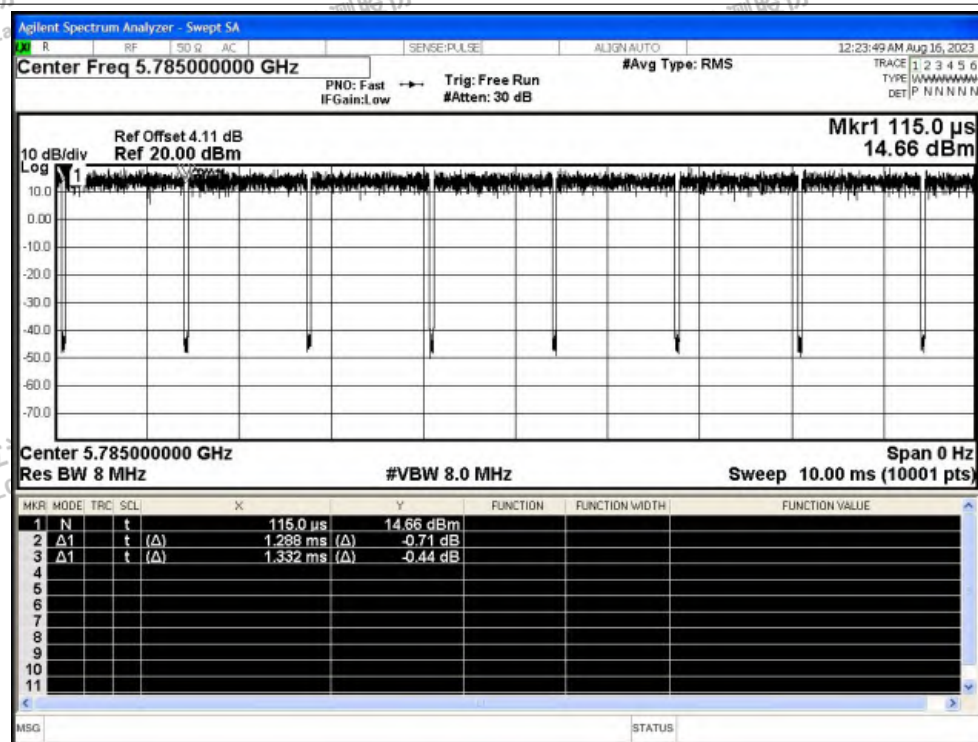
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

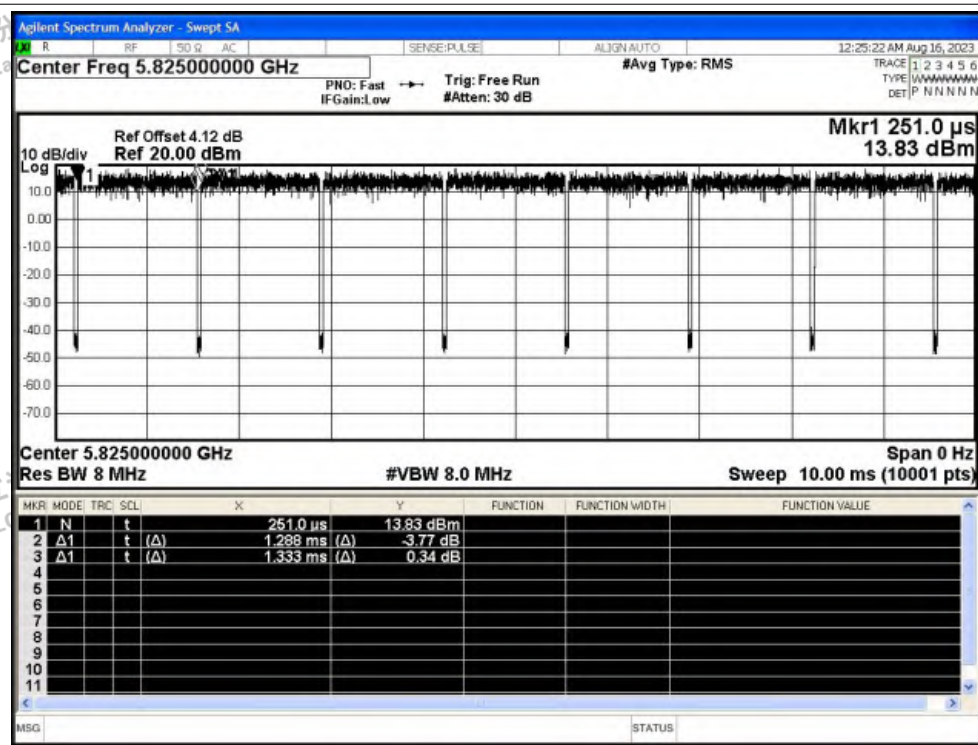
Scan code to check authenticity



## Duty Cycle NVNT n20 5785MHz Ant1



## Duty Cycle NVNT n20 5825MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

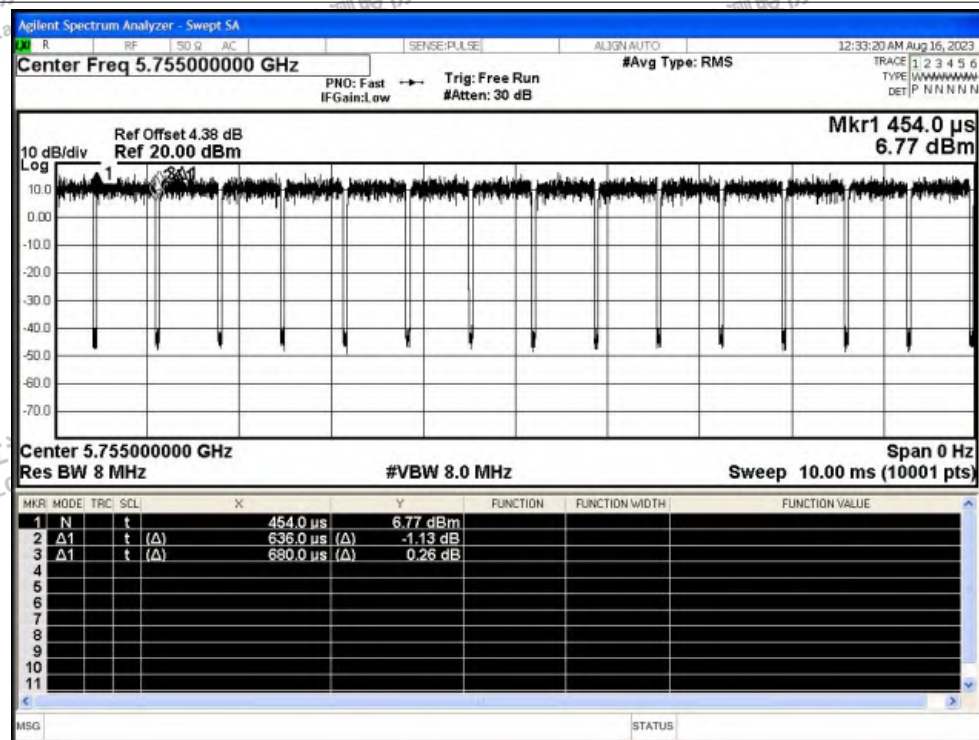
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

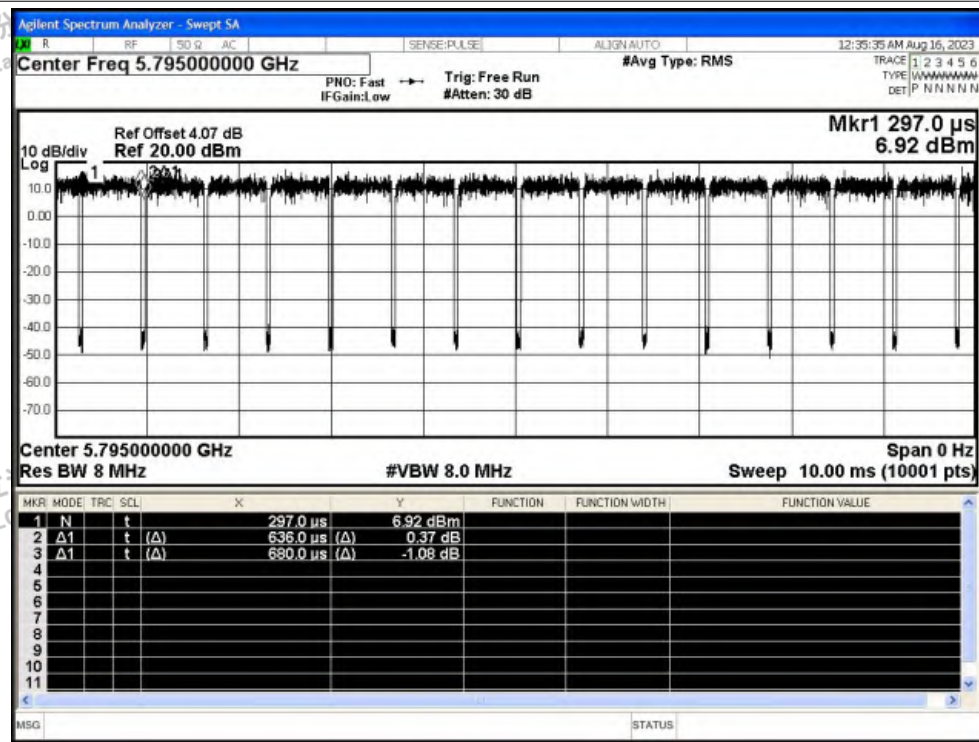
Scan code to check authenticity



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



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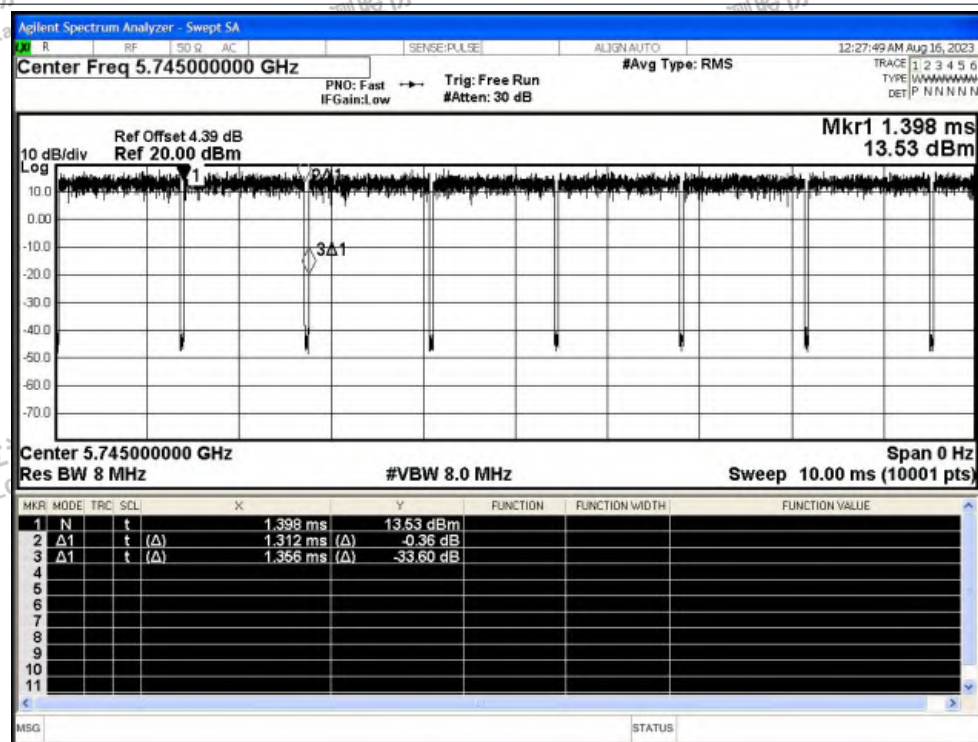
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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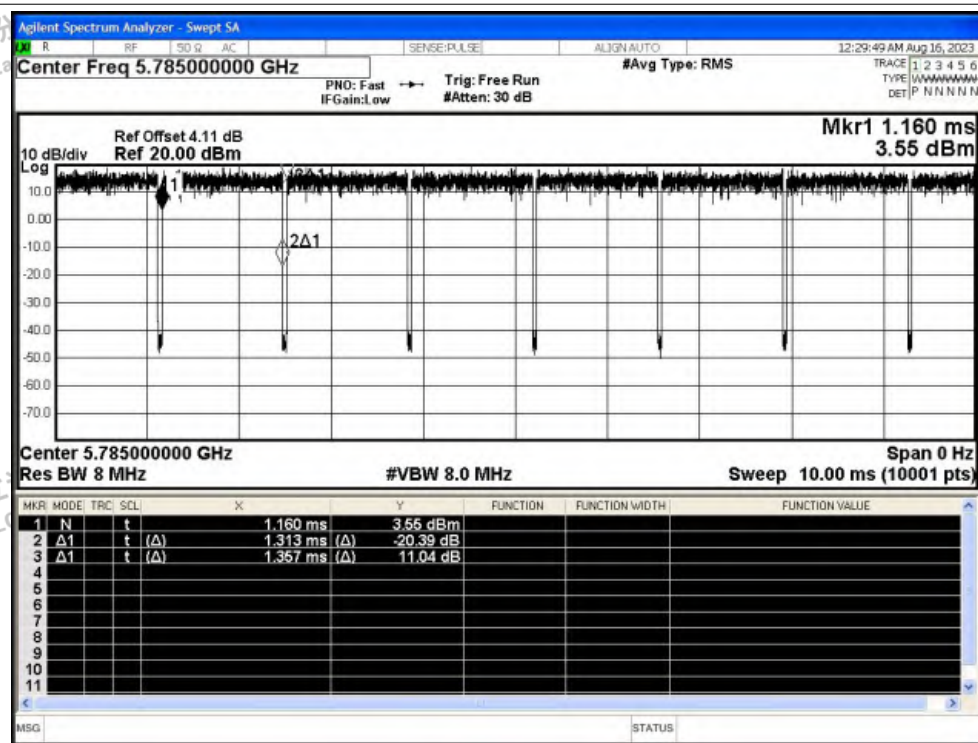
Scan code to check authenticity



## Duty Cycle NVNT ac20 5745MHz Ant1



## Duty Cycle NVNT ac20 5785MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

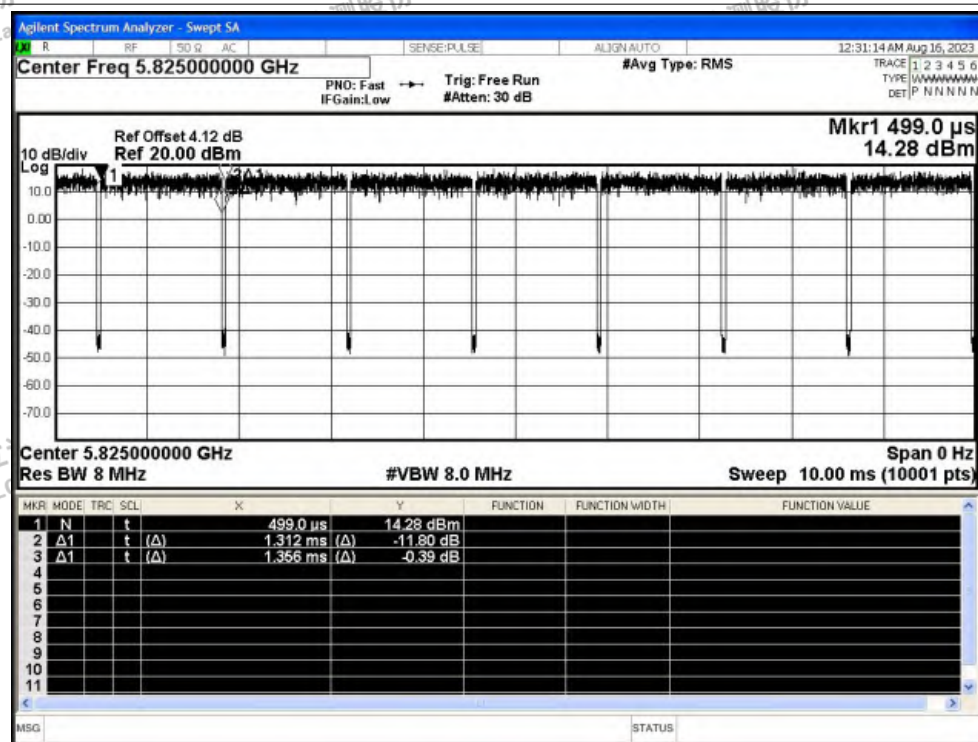
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

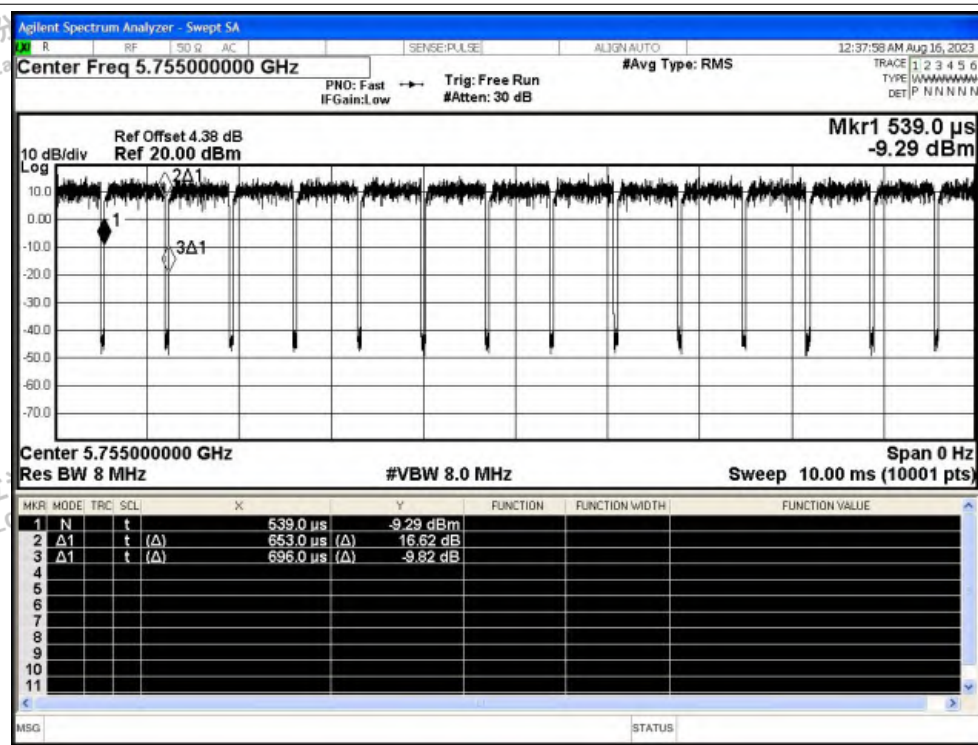
Scan code to check authenticity



## Duty Cycle NVNT ac20 5825MHz Ant1



## Duty Cycle NVNT ac40 5755MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

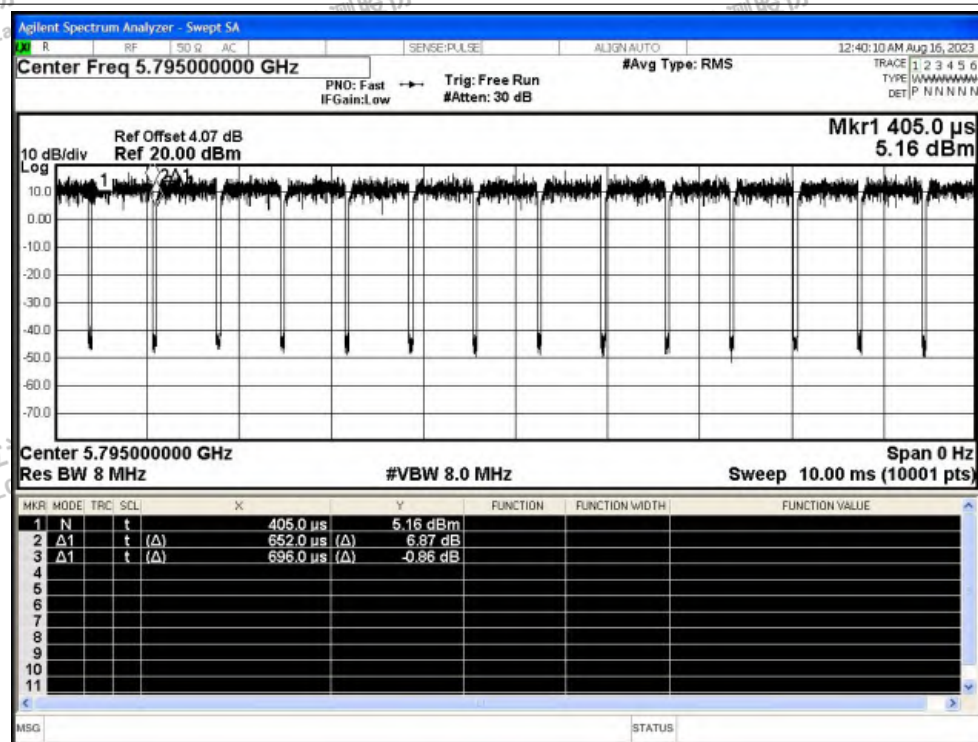
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

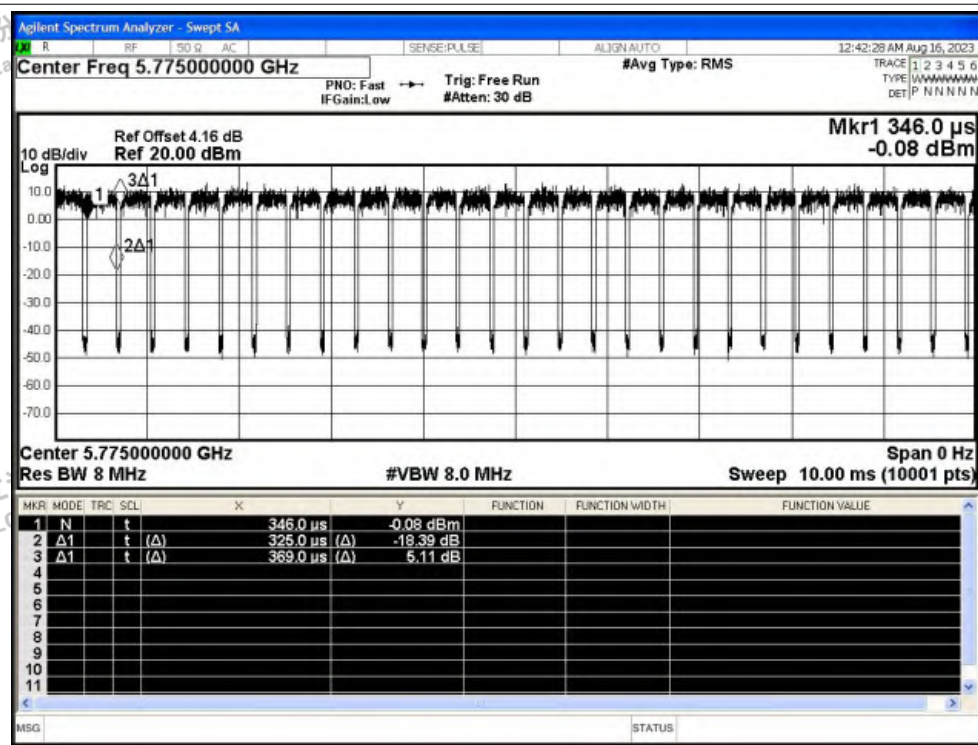
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## Duty Cycle NVNT ac40 5795MHz Ant1



## Duty Cycle NVNT ac80 5775MHz Ant1



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