



## Appendix E

### RF Test Data for 5.8GWIFI(Conducted Measurement)

**Product Name:** MaxRanger4K Base Station

**Test Model:** NVW-MR4KSTN

#### Environmental Conditions

|                    |            |
|--------------------|------------|
| Temperature:       | 23.5° C    |
| Relative Humidity: | 52.2%      |
| ATM Pressure:      | 100.0 kPa  |
| Test Engineer:     | Paddi Chen |
| Supervised by:     | Nick Peng  |



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## E.1 -6dB Bandwidth

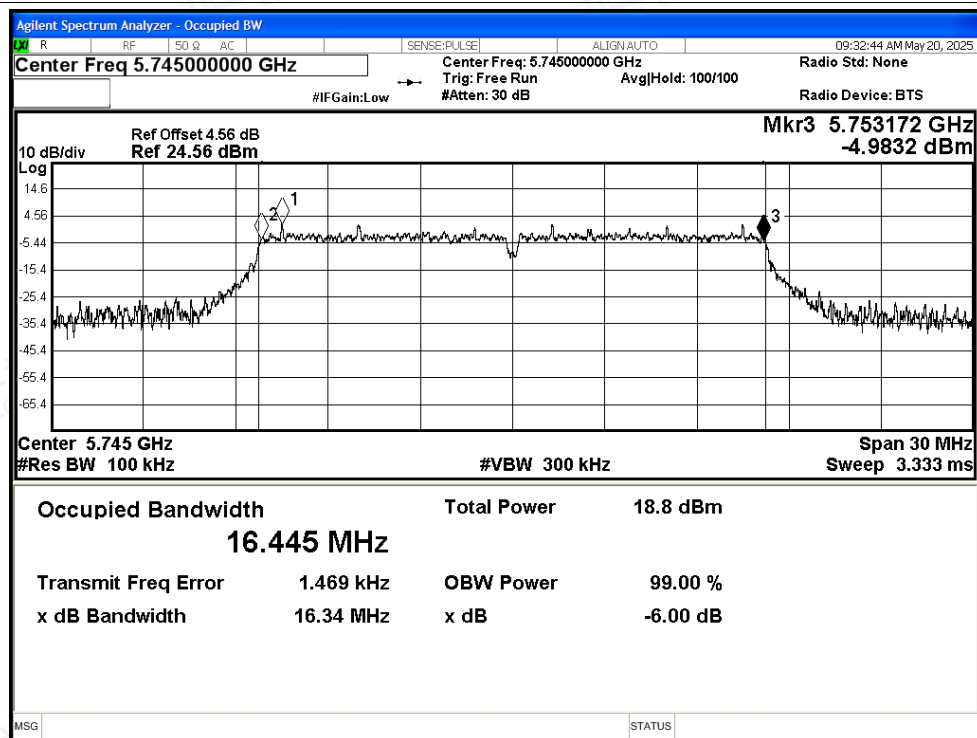
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 16.34                 | $\geq 0.5$                  | Pass    |
| NVNT      | a    | 5785            | Ant1    | 16.337                | $\geq 0.5$                  | Pass    |
| NVNT      | a    | 5825            | Ant1    | 16.326                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 17.419                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 17.548                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 17.249                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 36.253                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 36.049                | $\geq 0.5$                  | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 17.318                | $\geq 0.5$                  | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 17.547                | $\geq 0.5$                  | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 17.545                | $\geq 0.5$                  | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 36.115                | $\geq 0.5$                  | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 36.063                | $\geq 0.5$                  | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 75.333                | $\geq 0.5$                  | Pass    |



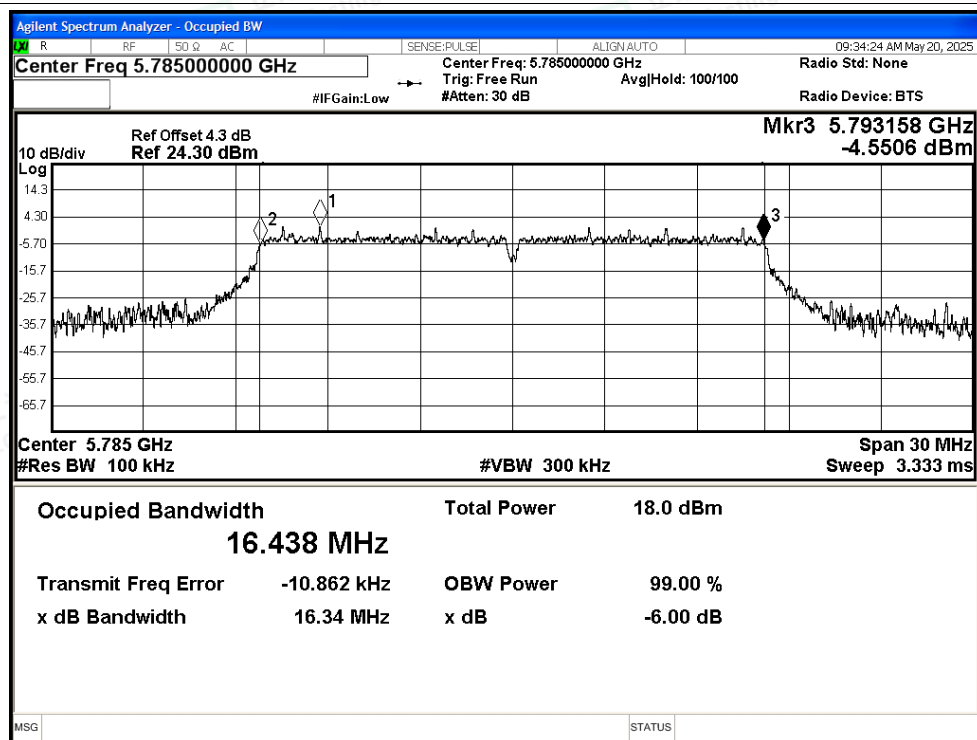


## Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1



-6dB Bandwidth NVNT a 5785MHz Ant1



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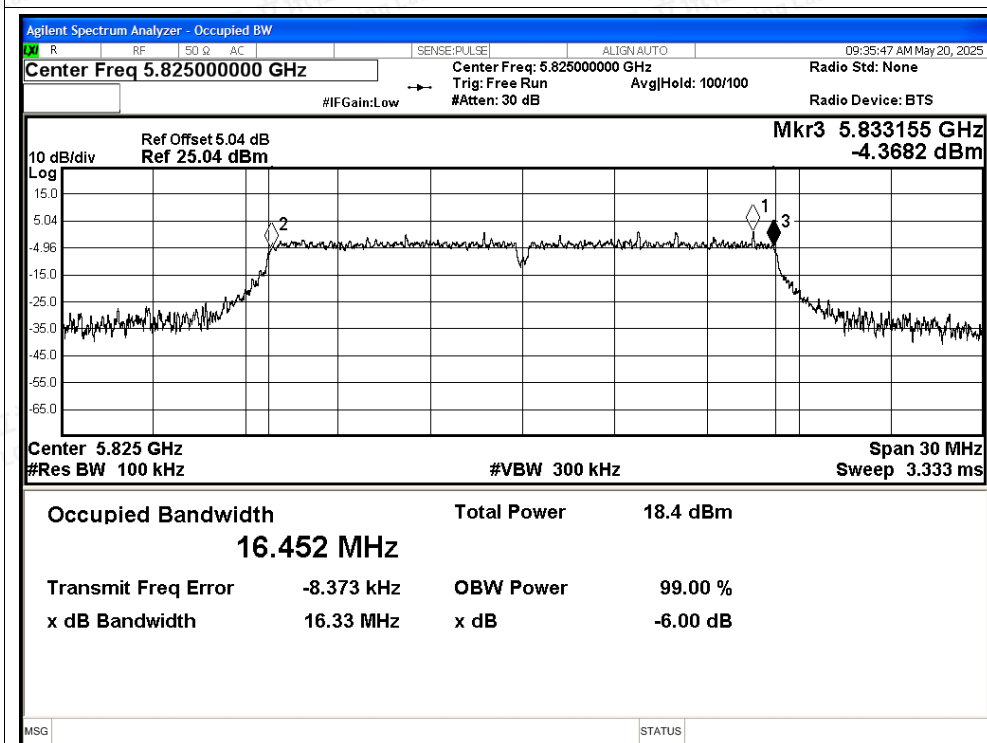
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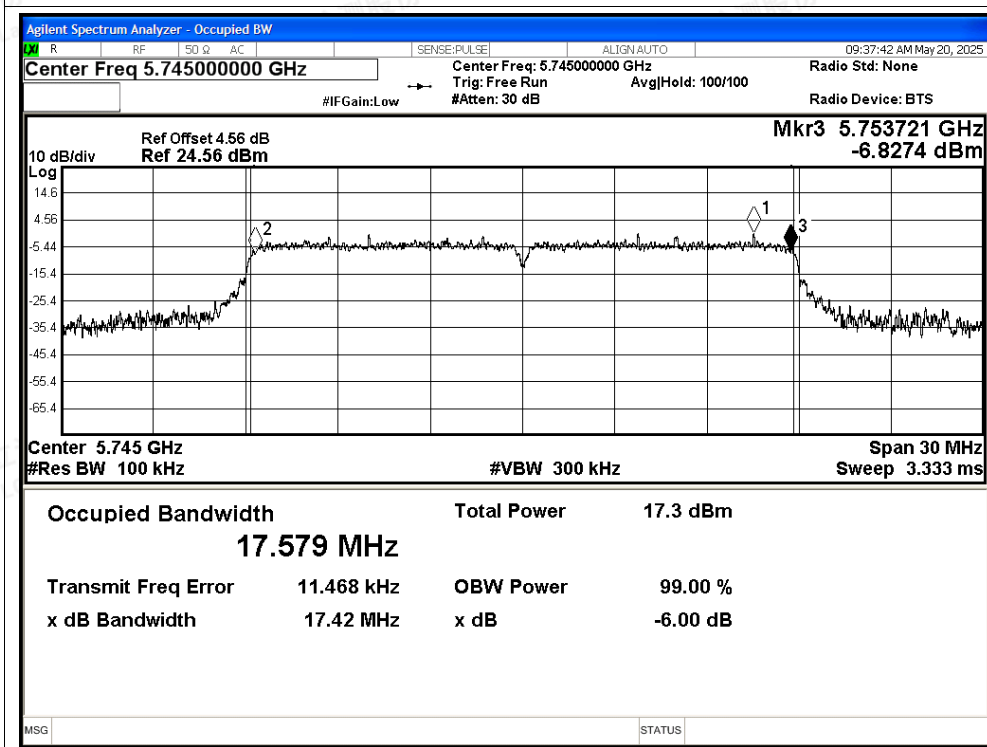
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## -6dB Bandwidth NVNT a 5825MHz Ant1



## -6dB Bandwidth NVNT n20 5745MHz Ant1



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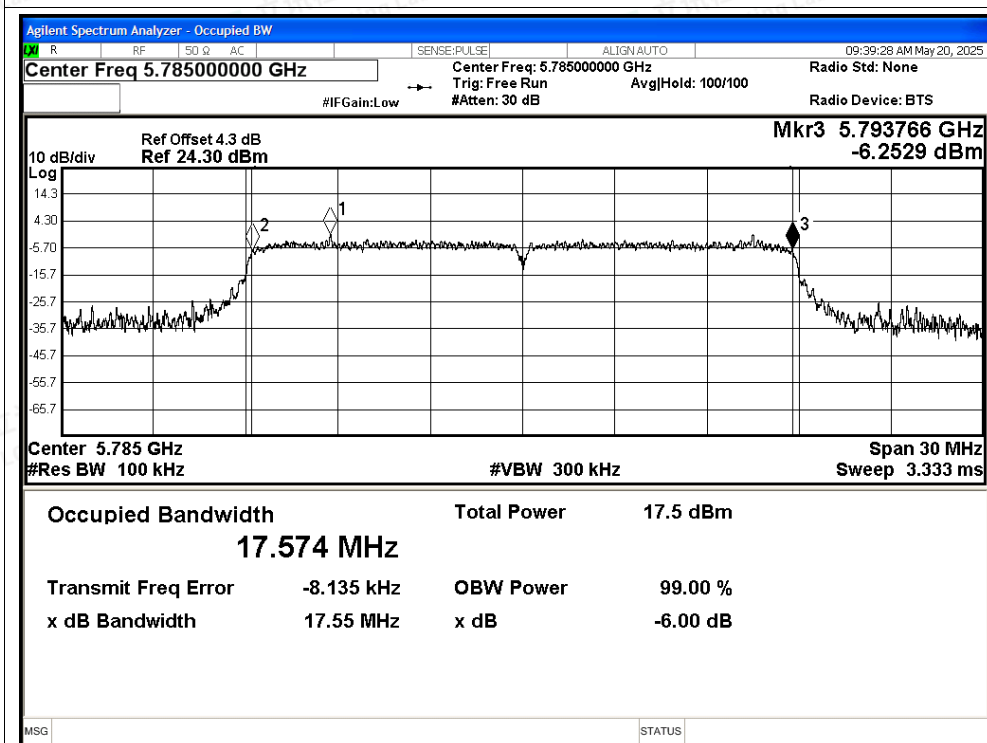
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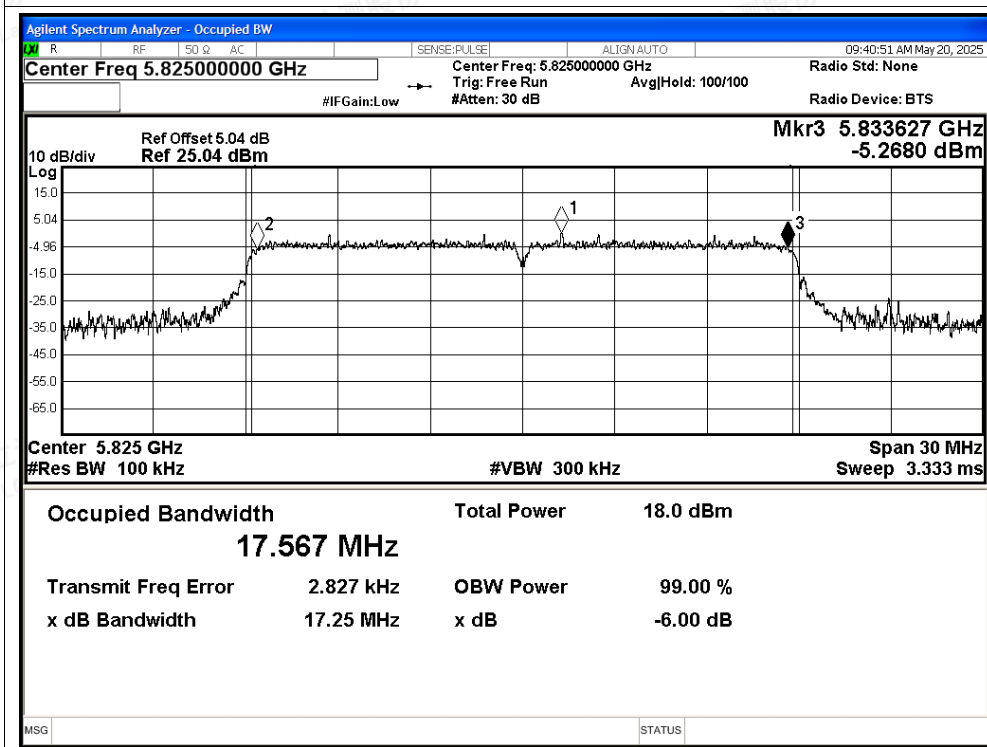
Scan code to check authenticity



## -6dB Bandwidth NVNT n20 5785MHz Ant1



## -6dB Bandwidth NVNT n20 5825MHz Ant1



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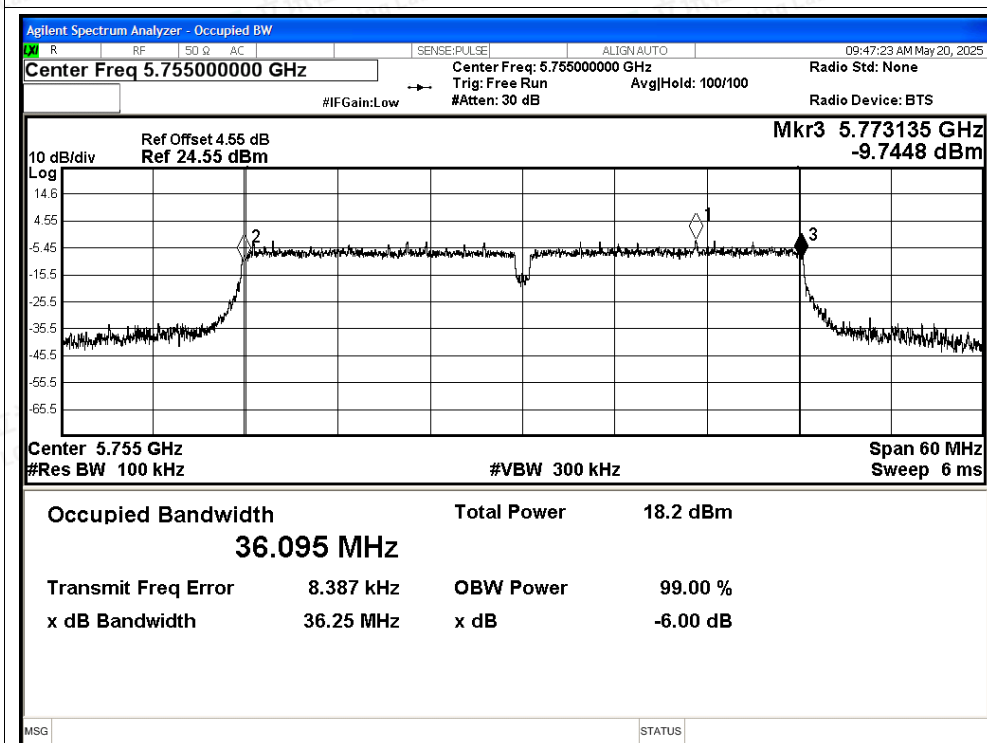
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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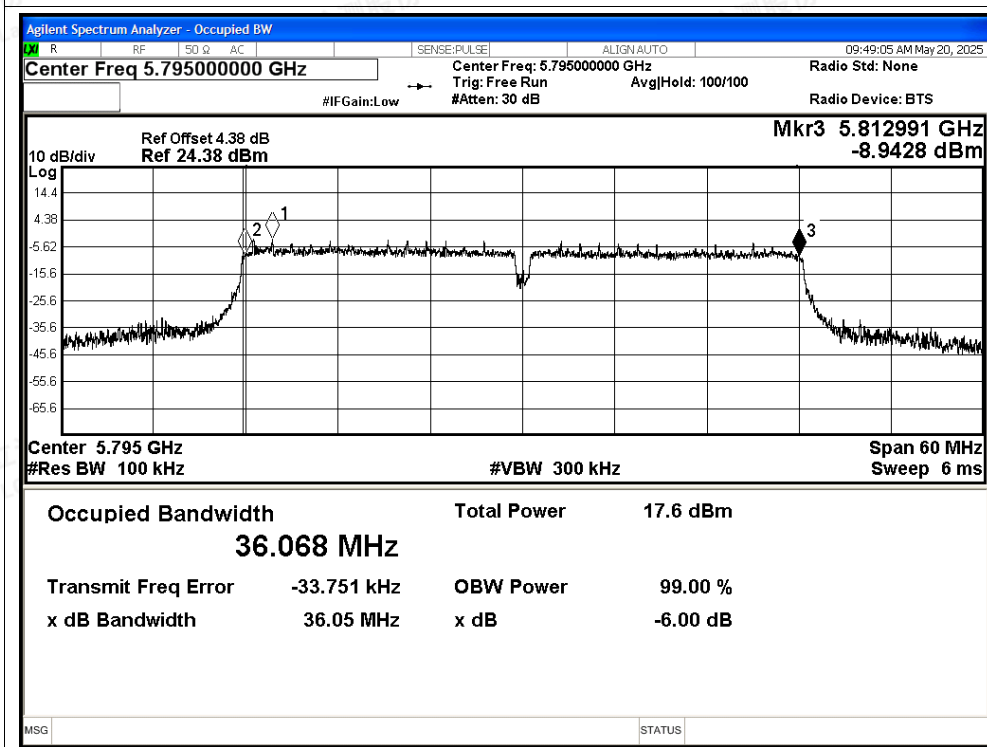
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-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1



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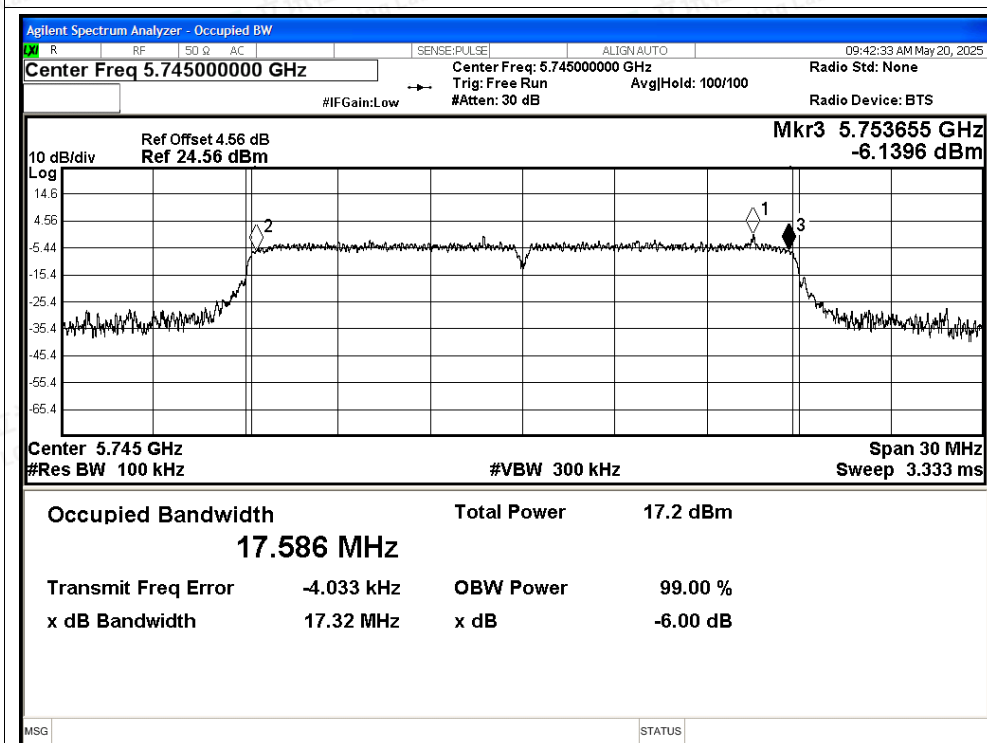
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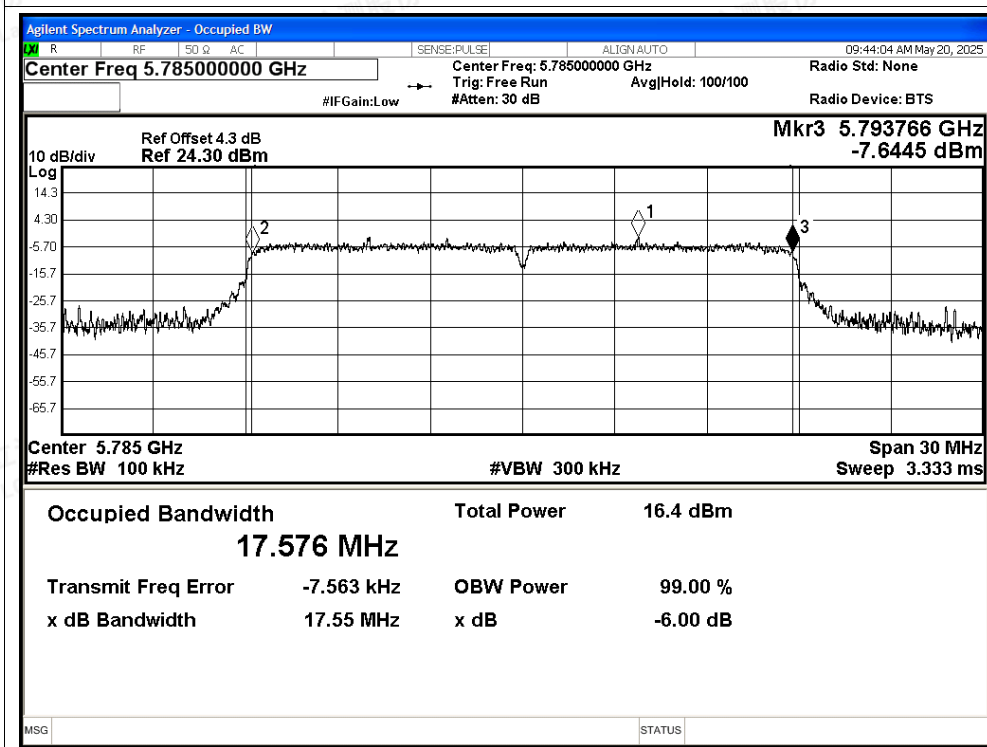
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## -6dB Bandwidth NVNT ac20 5745MHz Ant1



## -6dB Bandwidth NVNT ac20 5785MHz Ant1



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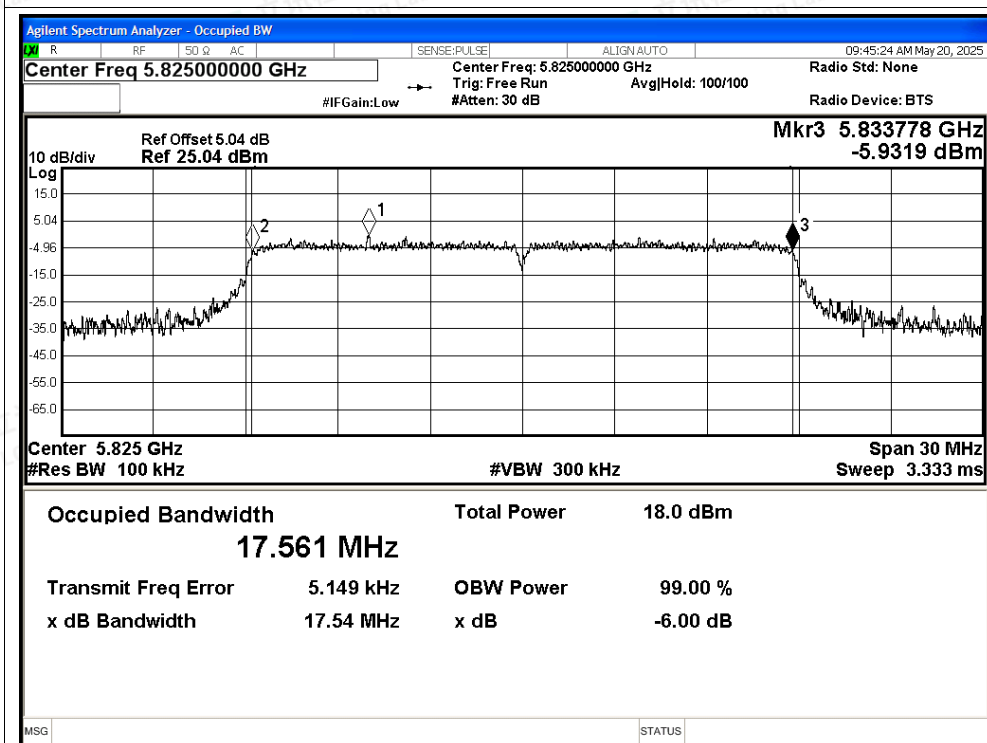
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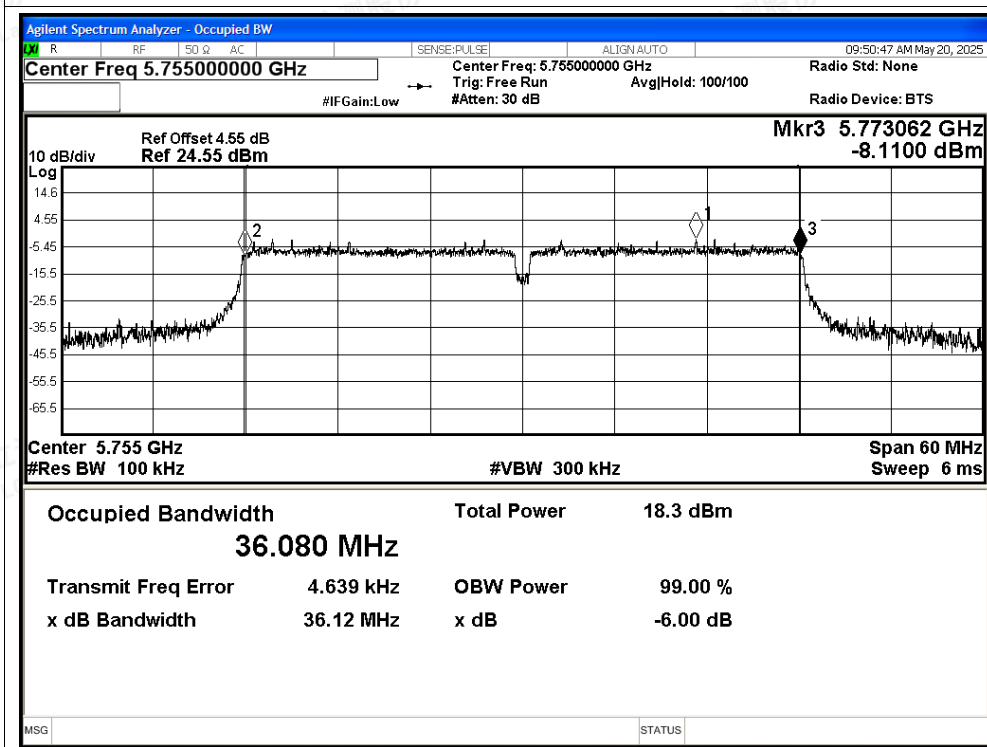
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## -6dB Bandwidth NVNT ac20 5825MHz Ant1



## -6dB Bandwidth NVNT ac40 5755MHz Ant1



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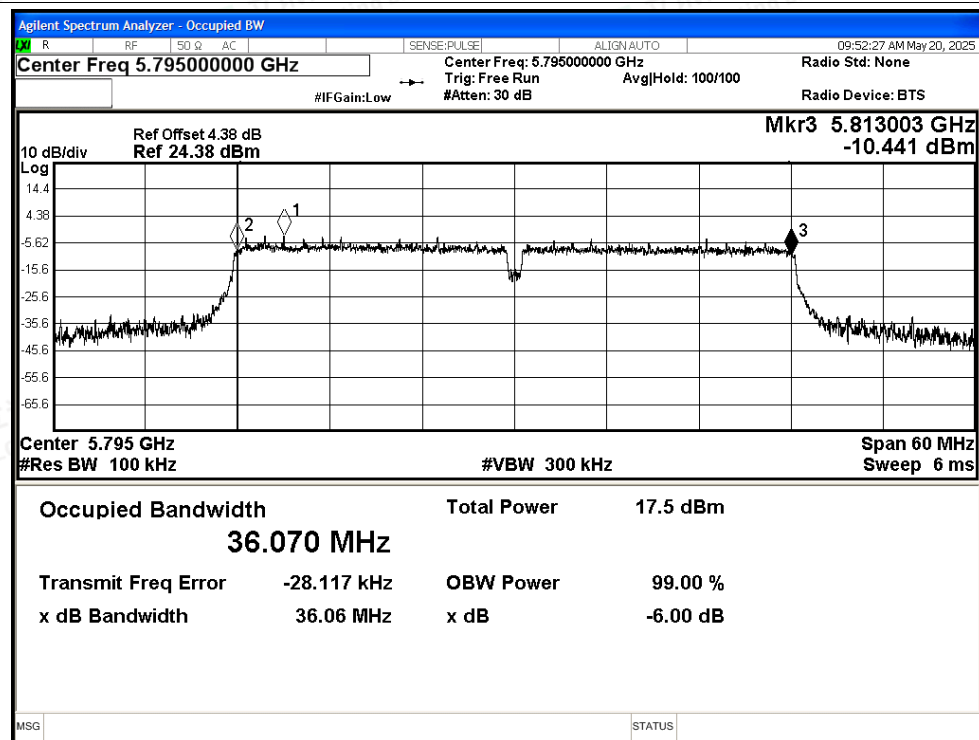
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Scan code to check authenticity

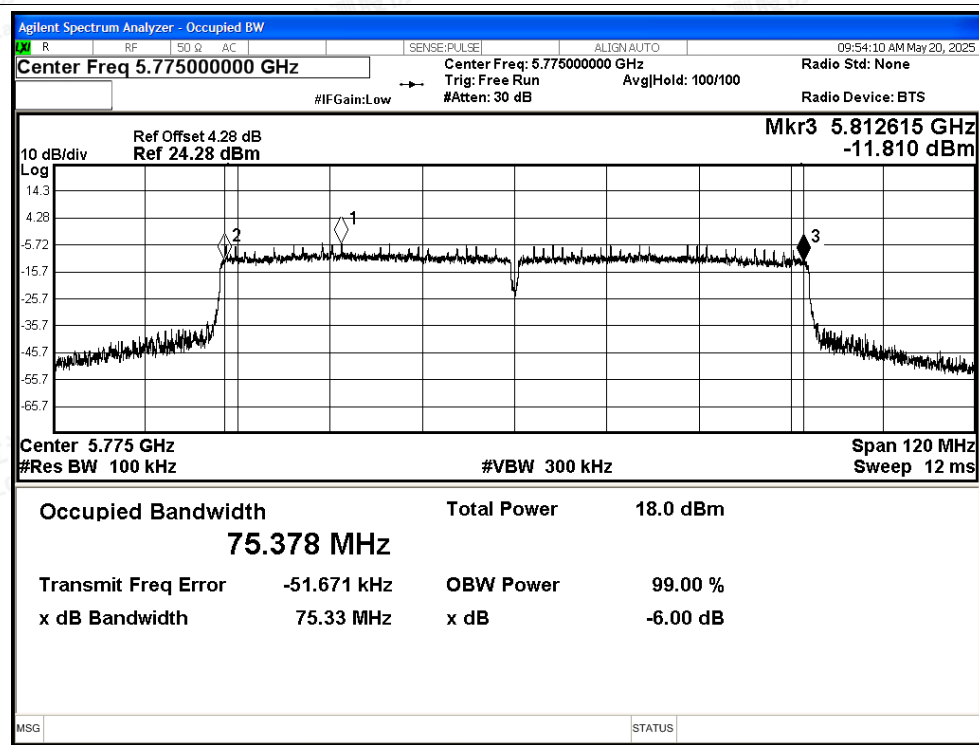




## -6dB Bandwidth NVNT ac40 5795MHz Ant1



## -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    | 12.81                 | 0.24             | 13.05             | 27.19       | Pass    |
| NVNT      | a    | 5785            | Ant1    | 11.97                 | 0.24             | 12.21             | 27.19       | Pass    |
| NVNT      | a    | 5825            | Ant1    | 12.44                 | 0.24             | 12.68             | 27.19       | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 11.13                 | 0.12             | 11.25             | 27.19       | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 11.33                 | 0.12             | 11.45             | 27.19       | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 11.86                 | 0.12             | 11.98             | 27.19       | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 11.61                 | 0.24             | 11.85             | 27.19       | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 11.02                 | 0.24             | 11.26             | 27.19       | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 11.07                 | 0.12             | 11.19             | 27.19       | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 10.29                 | 0.12             | 10.41             | 27.19       | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 11.86                 | 0.12             | 11.98             | 27.19       | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 11.6                  | 0.24             | 11.84             | 27.19       | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 10.95                 | 0.24             | 11.19             | 27.19       | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 10.72                 | 0.47             | 11.19             | 27.19       | Pass    |





### E.3 Maximum Power Spectral Density Level

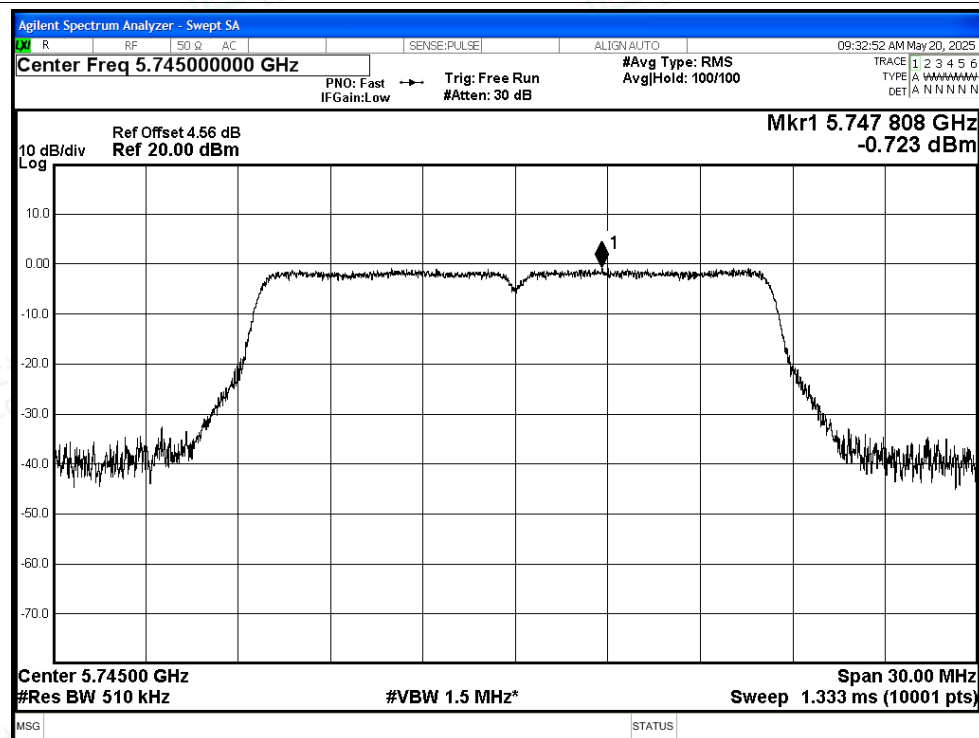
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD(dBm/500KHz) | Duty Factor (dB) | Total PSD (dBm/500KHz) | Limit (dBm/500KHz) | Verdict |
|-----------|------|-----------------|---------|---------------------------|------------------|------------------------|--------------------|---------|
| NVNT      | a    | 5745            | Ant1    | -0.72                     | 0.24             | -0.48                  | 27.19              | Pass    |
| NVNT      | a    | 5785            | Ant1    | -1.56                     | 0.24             | -1.32                  | 27.19              | Pass    |
| NVNT      | a    | 5825            | Ant1    | -1.27                     | 0.24             | -1.03                  | 27.19              | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -2.79                     | 0.12             | -2.67                  | 27.19              | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -2.62                     | 0.12             | -2.5                   | 27.19              | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -2.02                     | 0.12             | -1.9                   | 27.19              | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -4.95                     | 0.24             | -4.71                  | 27.19              | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -5.11                     | 0.24             | -4.87                  | 27.19              | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -2.77                     | 0.12             | -2.65                  | 27.19              | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -3.44                     | 0.12             | -3.32                  | 27.19              | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -2.05                     | 0.12             | -1.93                  | 27.19              | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -5.16                     | 0.24             | -4.92                  | 27.19              | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -5.43                     | 0.24             | -5.19                  | 27.19              | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | -8.58                     | 0.47             | -8.11                  | 27.19              | Pass    |



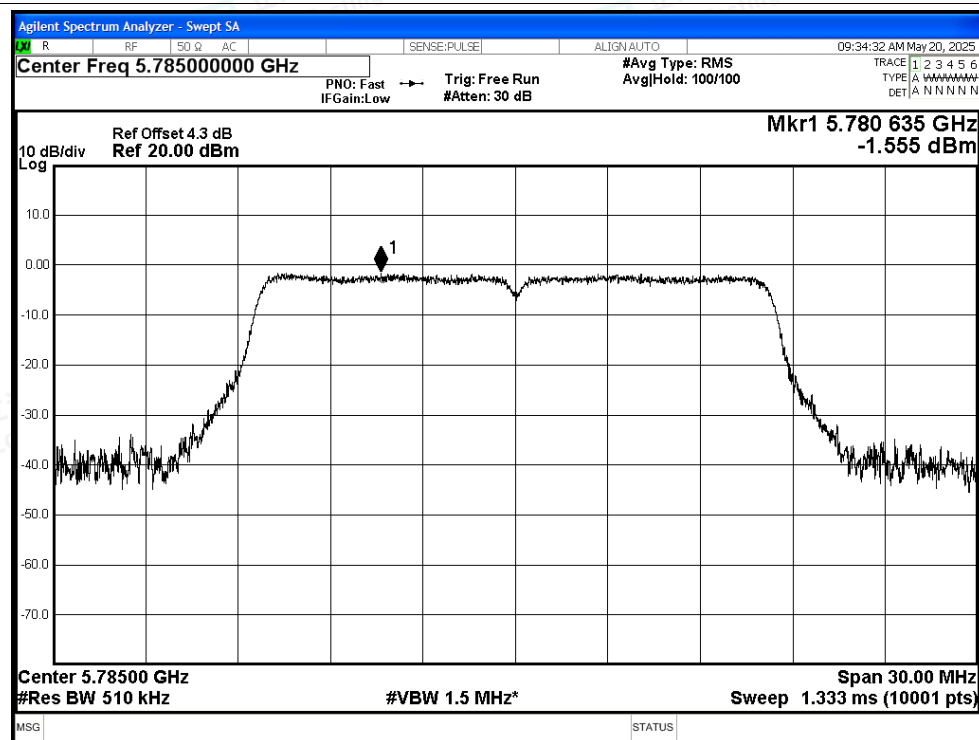


## Test Graphs

PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



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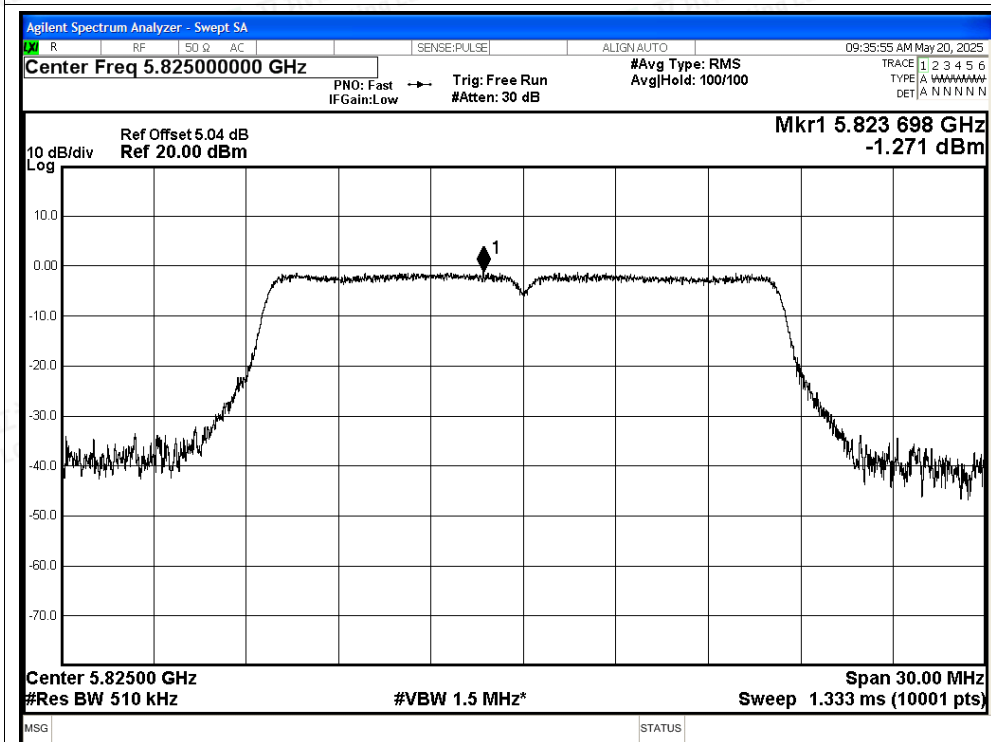
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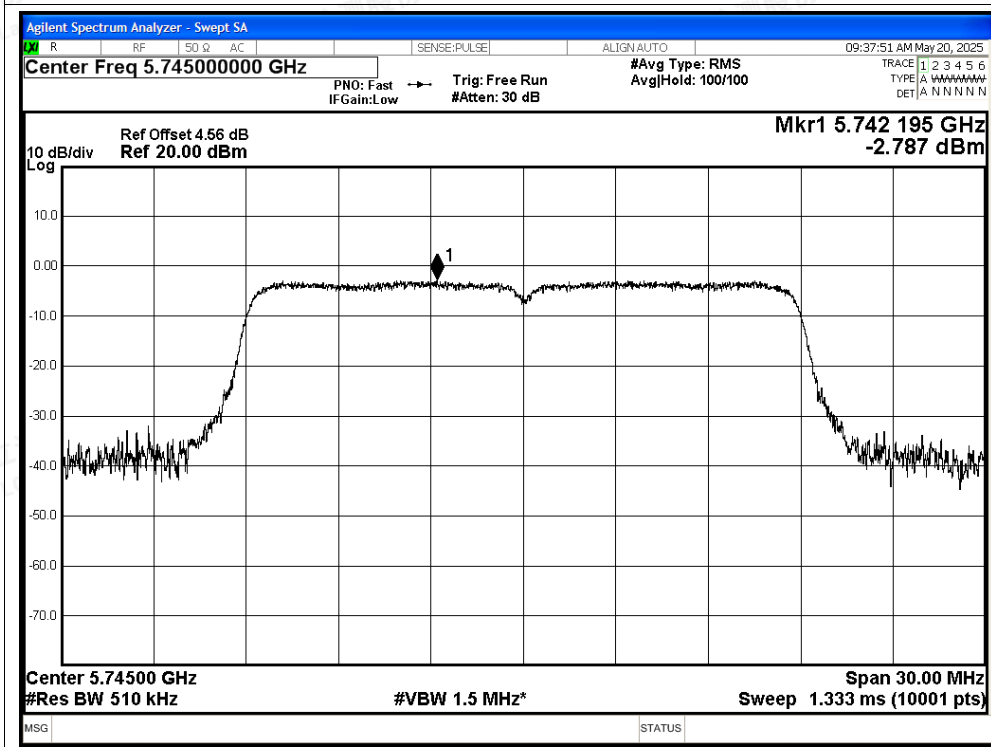
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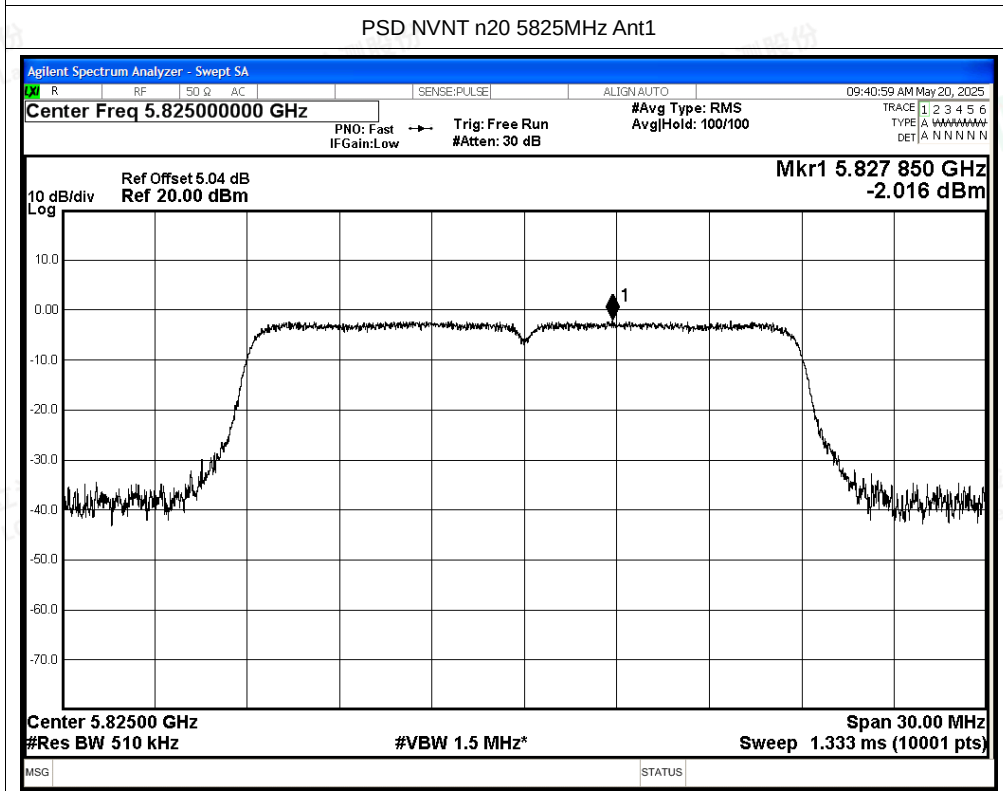
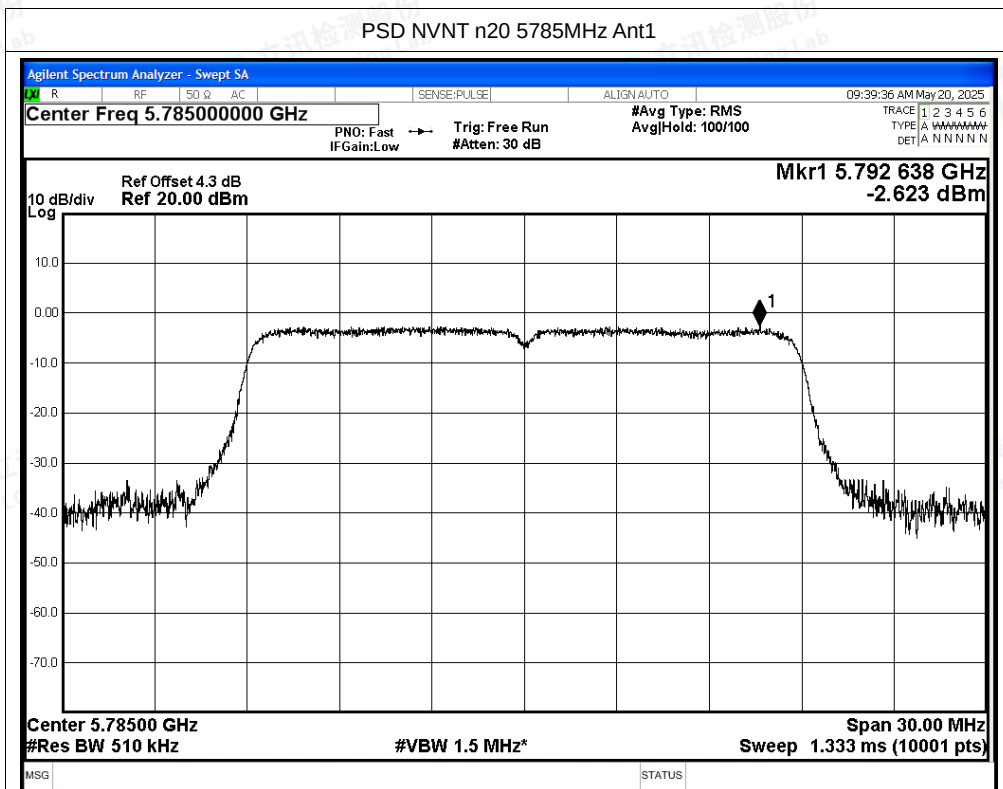


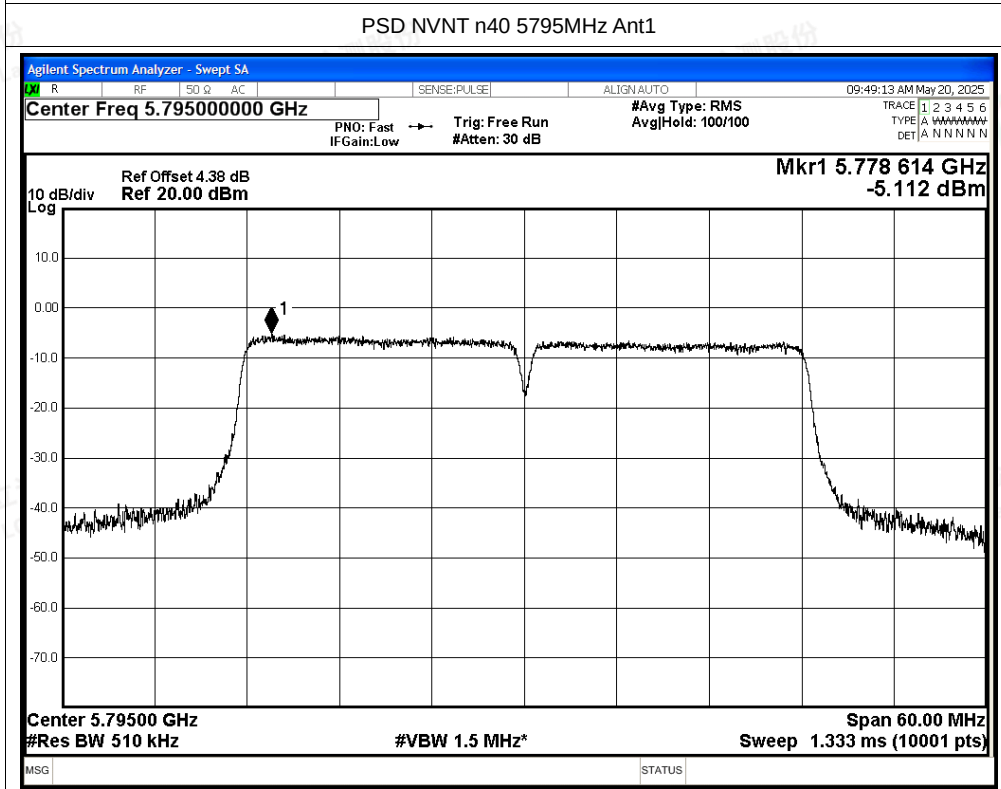
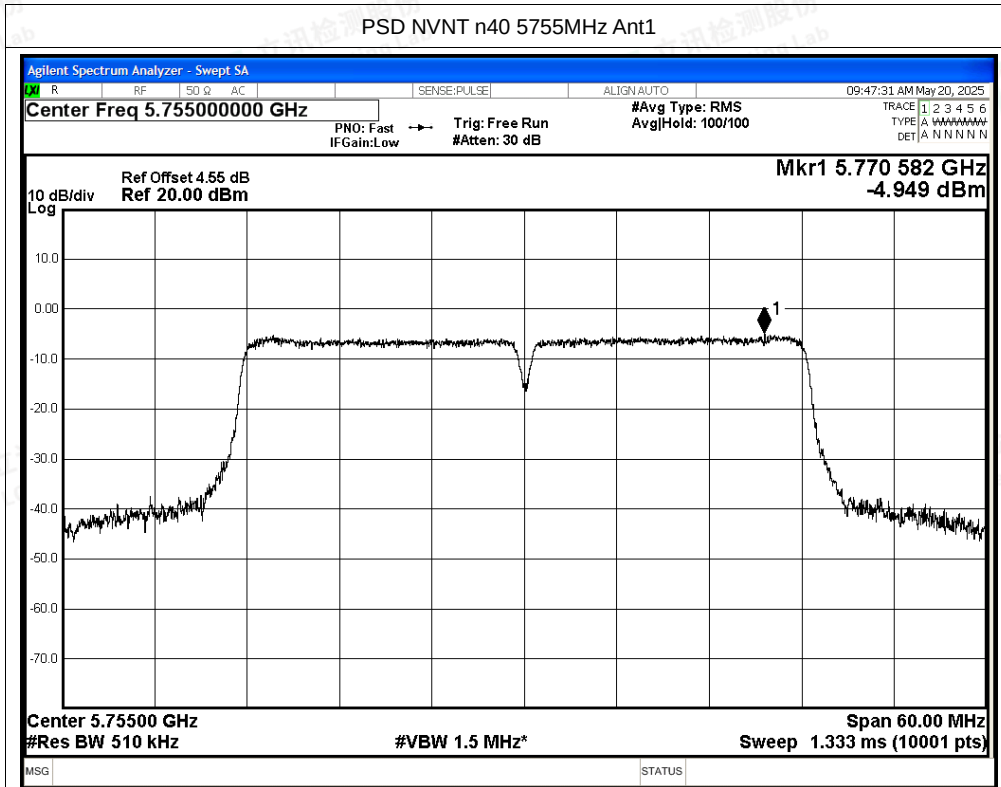
PSD NVNT a 5825MHz Ant1

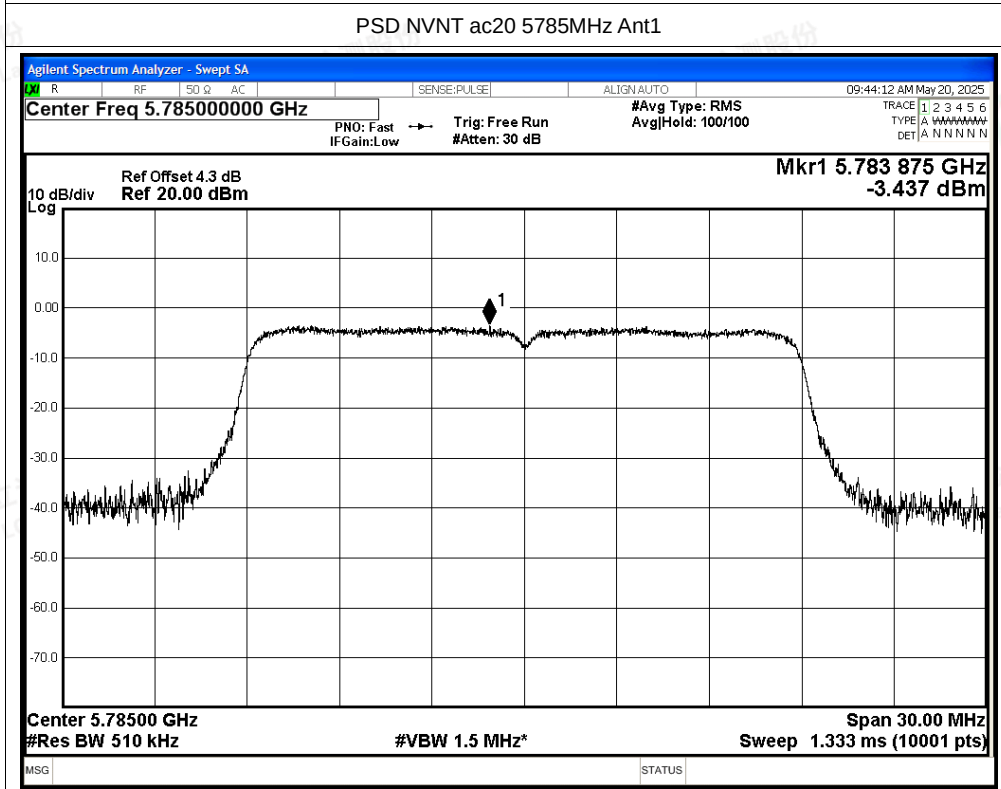
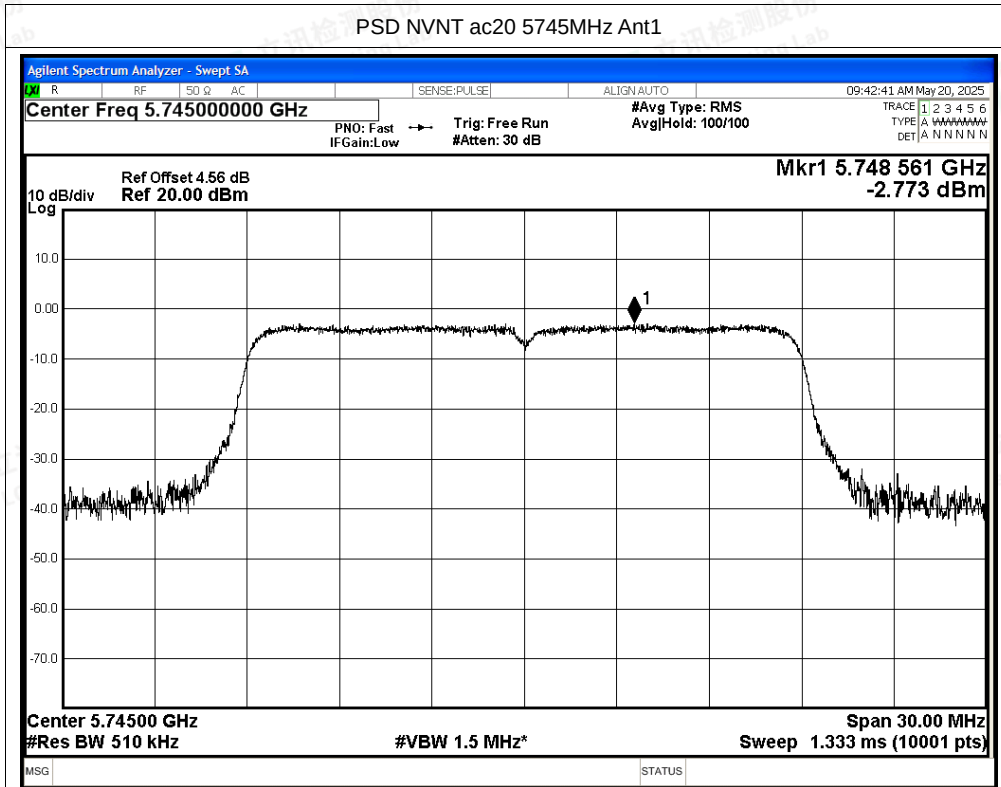


PSD NVNT n20 5745MHz Ant1

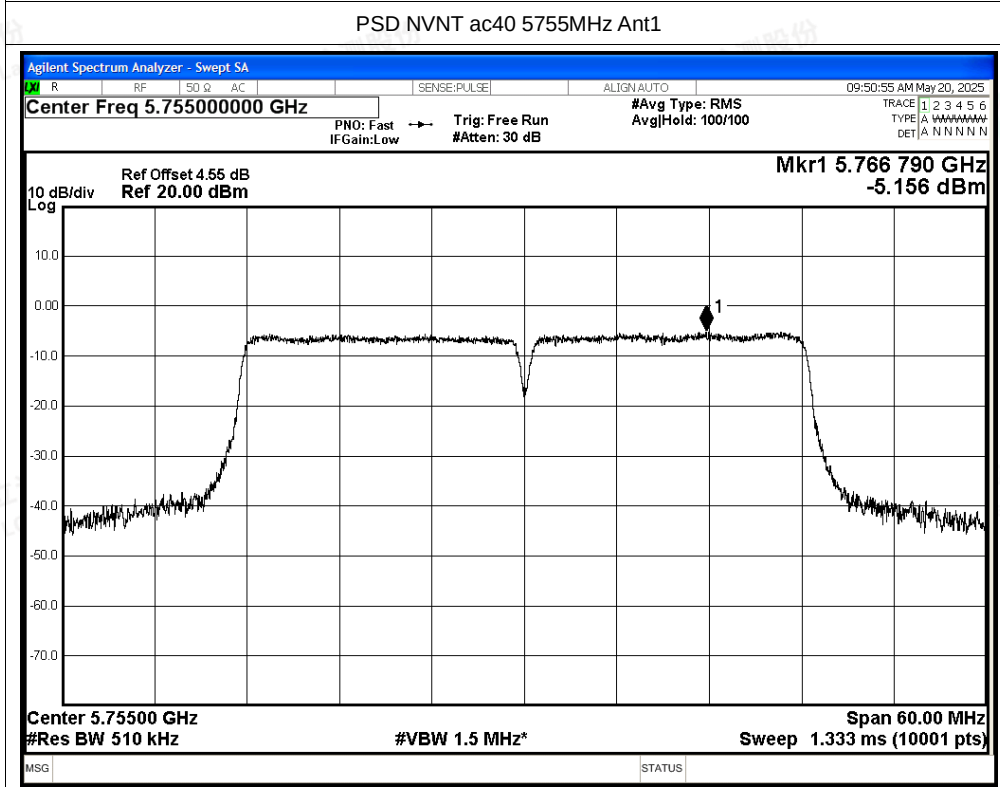
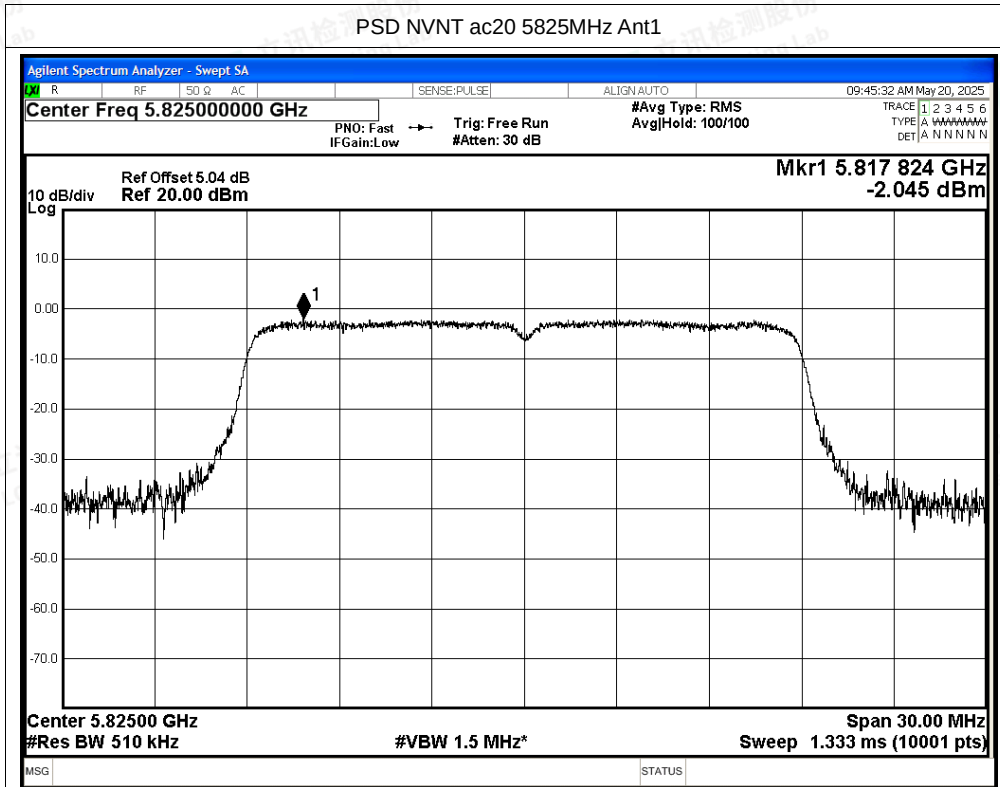






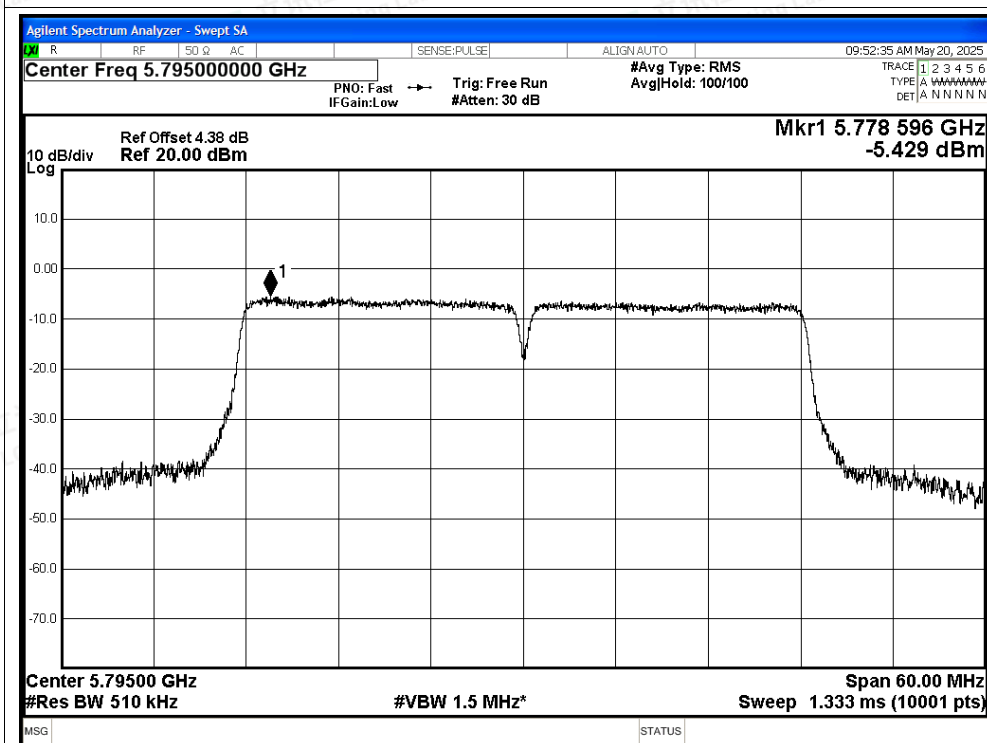




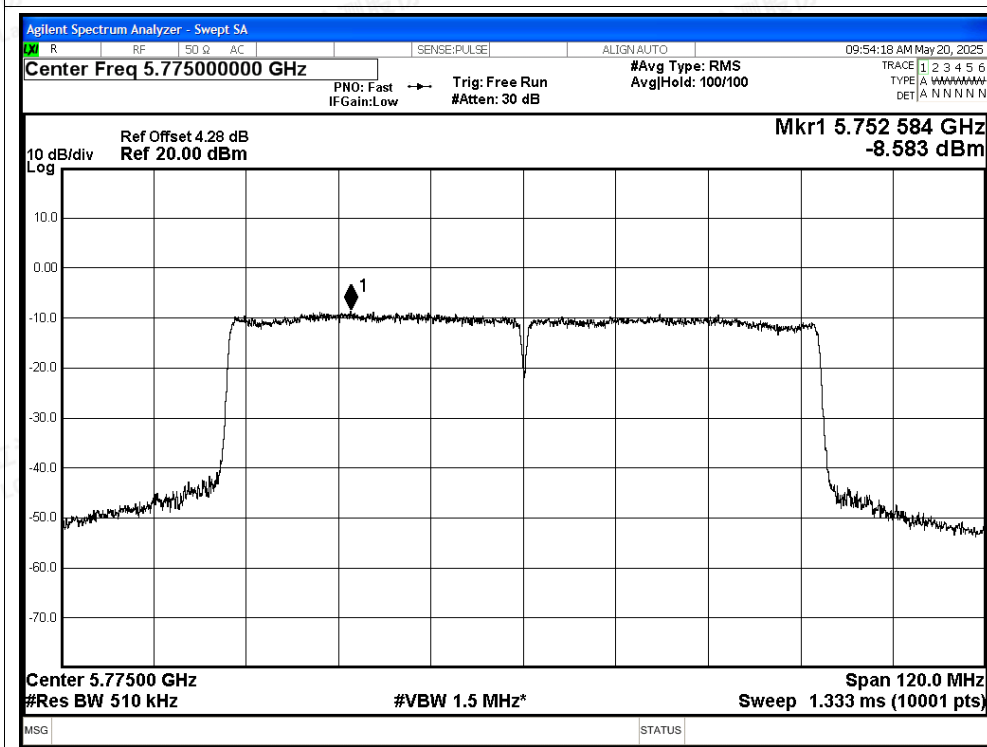




PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1



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## E.4 Restrict Band

| Condition | Mode | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | EIRP Power (dBm) | Detector | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|------------|------------------|------------------|----------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | 5650            | -48.8       | 8.81       | -                | -39.99           | Peak     | -27         | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5650            | -55.8       | 8.81       | 0.24             | -46.75           | Average  | -27         | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5700            | -44.93      | 8.81       | -                | -36.12           | Peak     | 10          | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5700            | -53.91      | 8.81       | 0.24             | -44.86           | Average  | 10          | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5720            | -31.88      | 8.81       | -                | -23.07           | Peak     | 15.6        | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5720            | -46.11      | 8.81       | 0.24             | -37.06           | Average  | 15.6        | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5725            | -28.24      | 8.81       | -                | -19.43           | Peak     | 27          | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5725            | -40.24      | 8.81       | 0.24             | -31.19           | Average  | 27          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5850            | -32.53      | 8.81       | -                | -23.72           | Peak     | 27          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5850            | -47.01      | 8.81       | 0.24             | -37.96           | Average  | 27          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5855            | -37.88      | 8.81       | -                | -29.07           | Peak     | 15.6        | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5855            | -51.88      | 8.81       | 0.24             | -42.83           | Average  | 15.6        | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5875            | -45.28      | 8.81       | -                | -36.47           | Peak     | 10          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5875            | -53.62      | 8.81       | 0.24             | -44.57           | Average  | 10          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5925            | -47.77      | 8.81       | -                | -38.96           | Peak     | -27         | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5925            | -54.37      | 8.81       | 0.24             | -45.32           | Average  | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5650            | -48.03      | 8.81       | -                | -39.22           | Peak     | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5650            | -55.9       | 8.81       | 0.12             | -46.97           | Average  | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5700            | -47.78      | 8.81       | -                | -38.97           | Peak     | 10          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5700            | -54.63      | 8.81       | 0.12             | -45.7            | Average  | 10          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5720            | -34.99      | 8.81       | -                | -26.18           | Peak     | 15.6        | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5720            | -45.54      | 8.81       | 0.12             | -36.61           | Average  | 15.6        | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5725            | -27.68      | 8.81       | -                | -18.87           | Peak     | 27          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5725            | -42.05      | 8.81       | 0.12             | -33.12           | Average  | 27          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5850            | -31.87      | 8.81       | -                | -23.06           | Peak     | 27          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5850            | -44.4       | 8.81       | 0.12             | -35.47           | Average  | 27          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5855            | -33.67      | 8.81       | -                | -24.86           | Peak     | 15.6        | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5855            | -49.33      | 8.81       | 0.12             | -40.4            | Average  | 15.6        | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5875            | -47.06      | 8.81       | -                | -38.25           | Peak     | 10          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5875            | -53.95      | 8.81       | 0.12             | -45.02           | Average  | 10          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5925            | -44.49      | 8.81       | -                | -35.68           | Peak     | -27         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5925            | -55.09      | 8.81       | 0.12             | -46.16           | Average  | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5650            | -48.28      | 8.81       | -                | -39.47           | Peak     | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5650            | -55.82      | 8.81       | 0.24             | -46.77           | Average  | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5700            | -46.66      | 8.81       | -                | -37.85           | Peak     | 10          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5700            | -53.73      | 8.81       | 0.24             | -44.68           | Average  | 10          | Pass    |



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|------|------|------|------|------|--------|------|------|--------|---------|------|------|
| NVNT | n40  | 5755 | Ant1 | 5720 | -25.16 | 8.81 | -    | -16.35 | Peak    | 15.6 | Pass |
| NVNT | n40  | 5755 | Ant1 | 5720 | -42.22 | 8.81 | 0.24 | -33.17 | Average | 15.6 | Pass |
| NVNT | n40  | 5755 | Ant1 | 5725 | -27.91 | 8.81 | -    | -19.1  | Peak    | 27   | Pass |
| NVNT | n40  | 5755 | Ant1 | 5725 | -41.74 | 8.81 | 0.24 | -32.69 | Average | 27   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5850 | -46.29 | 8.81 | -    | -37.48 | Peak    | 27   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5850 | -55.31 | 8.81 | 0.24 | -46.26 | Average | 27   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5855 | -47.97 | 8.81 | -    | -39.16 | Peak    | 15.6 | Pass |
| NVNT | n40  | 5795 | Ant1 | 5855 | -55.44 | 8.81 | 0.24 | -46.39 | Average | 15.6 | Pass |
| NVNT | n40  | 5795 | Ant1 | 5875 | -49.27 | 8.81 | -    | -40.46 | Peak    | 10   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5875 | -56.58 | 8.81 | 0.24 | -47.53 | Average | 10   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5925 | -48.08 | 8.81 | -    | -39.27 | Peak    | -27  | Pass |
| NVNT | n40  | 5795 | Ant1 | 5925 | -56.1  | 8.81 | 0.24 | -47.05 | Average | -27  | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5650 | -48.77 | 8.81 | -    | -39.96 | Peak    | -27  | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5650 | -55.89 | 8.81 | 0.12 | -46.96 | Average | -27  | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5700 | -47.59 | 8.81 | -    | -38.78 | Peak    | 10   | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5700 | -54    | 8.81 | 0.12 | -45.07 | Average | 10   | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5720 | -27.29 | 8.81 | -    | -18.48 | Peak    | 15.6 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5720 | -46.88 | 8.81 | 0.12 | -37.95 | Average | 15.6 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5725 | -28.03 | 8.81 | -    | -19.22 | Peak    | 27   | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5725 | -40.88 | 8.81 | 0.12 | -31.95 | Average | 27   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5850 | -30.71 | 8.81 | -    | -21.9  | Peak    | 27   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5850 | -46.89 | 8.81 | 0.12 | -37.96 | Average | 27   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5855 | -35.13 | 8.81 | -    | -26.32 | Peak    | 15.6 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5855 | -49.74 | 8.81 | 0.12 | -40.81 | Average | 15.6 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5875 | -45.87 | 8.81 | -    | -37.06 | Peak    | 10   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5875 | -54.04 | 8.81 | 0.12 | -45.11 | Average | 10   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5925 | -46.75 | 8.81 | -    | -37.94 | Peak    | -27  | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5925 | -55.26 | 8.81 | 0.12 | -46.33 | Average | -27  | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5650 | -47.43 | 8.81 | -    | -38.62 | Peak    | -27  | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5650 | -55.83 | 8.81 | 0.24 | -46.78 | Average | -27  | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5700 | -44.62 | 8.81 | -    | -35.81 | Peak    | 10   | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5700 | -54.04 | 8.81 | 0.24 | -44.99 | Average | 10   | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5720 | -30.45 | 8.81 | -    | -21.64 | Peak    | 15.6 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5720 | -43.13 | 8.81 | 0.24 | -34.08 | Average | 15.6 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5725 | -25.41 | 8.81 | -    | -16.6  | Peak    | 27   | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5725 | -40.01 | 8.81 | 0.24 | -30.96 | Average | 27   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5850 | -46.13 | 8.81 | -    | -37.32 | Peak    | 27   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5850 | -55.15 | 8.81 | 0.24 | -46.1  | Average | 27   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5855 | -48.26 | 8.81 | -    | -39.45 | Peak    | 15.6 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5855 | -55.8  | 8.81 | 0.24 | -46.75 | Average | 15.6 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5875 | -48.96 | 8.81 | -    | -40.15 | Peak    | 10   | Pass |



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|      |      |      |      |      |        |      |      |        |         |      |      |
|------|------|------|------|------|--------|------|------|--------|---------|------|------|
| NVNT | ac40 | 5795 | Ant1 | 5875 | -55.94 | 8.81 | 0.24 | -46.89 | Average | 10   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5925 | -48.11 | 8.81 | -    | -39.3  | Peak    | -27  | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5925 | -56.03 | 8.81 | 0.24 | -46.98 | Average | -27  | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5650 | -47.14 | 8.81 | -    | -38.33 | Peak    | -27  | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5650 | -55.57 | 8.81 | 0.47 | -46.29 | Average | -27  | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5700 | -41.42 | 8.81 | -    | -32.61 | Peak    | 10   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5700 | -50.65 | 8.81 | 0.47 | -41.37 | Average | 10   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5720 | -33.86 | 8.81 | -    | -25.05 | Peak    | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5720 | -47.63 | 8.81 | 0.47 | -38.35 | Average | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5725 | -33.51 | 8.81 | -    | -24.7  | Peak    | 27   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5725 | -45.19 | 8.81 | 0.47 | -35.91 | Average | 27   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5850 | -40.85 | 8.81 | -    | -32.04 | Peak    | 27   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5850 | -50.87 | 8.81 | 0.47 | -41.59 | Average | 27   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5855 | -43.08 | 8.81 | -    | -34.27 | Peak    | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5855 | -51.54 | 8.81 | 0.47 | -42.26 | Average | 15.6 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5875 | -44.94 | 8.81 | -    | -36.13 | Peak    | 10   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5875 | -54    | 8.81 | 0.47 | -44.72 | Average | 10   | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5925 | -46.93 | 8.81 | -    | -38.12 | Peak    | -27  | Pass |
| NVNT | ac80 | 5775 | Ant1 | 5925 | -55.71 | 8.81 | 0.47 | -46.43 | Average | -27  | Pass |



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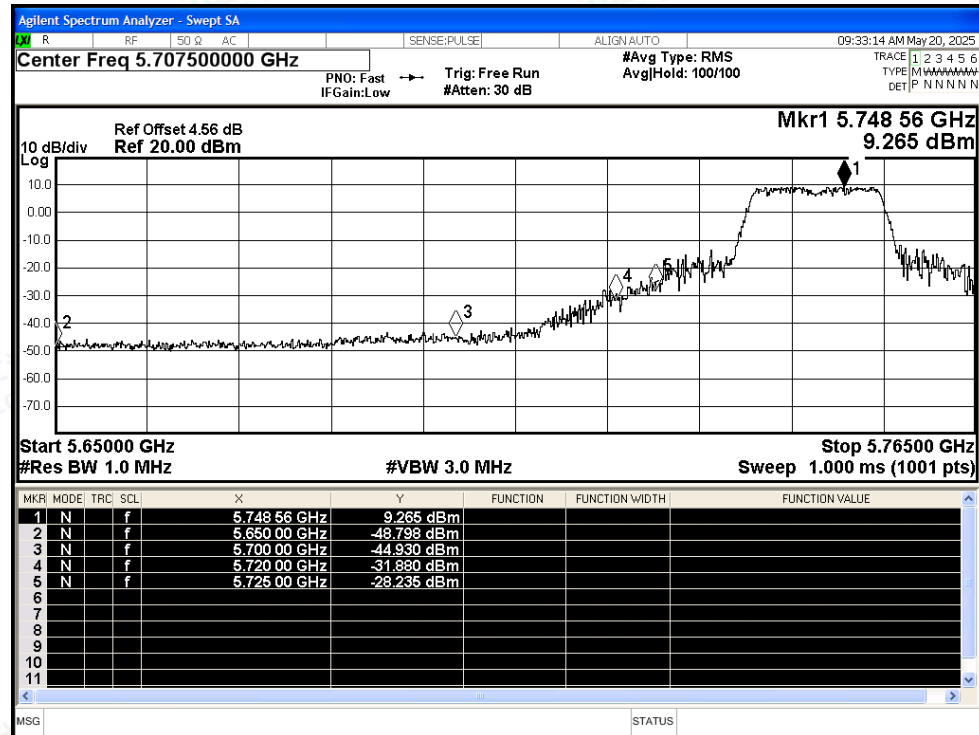
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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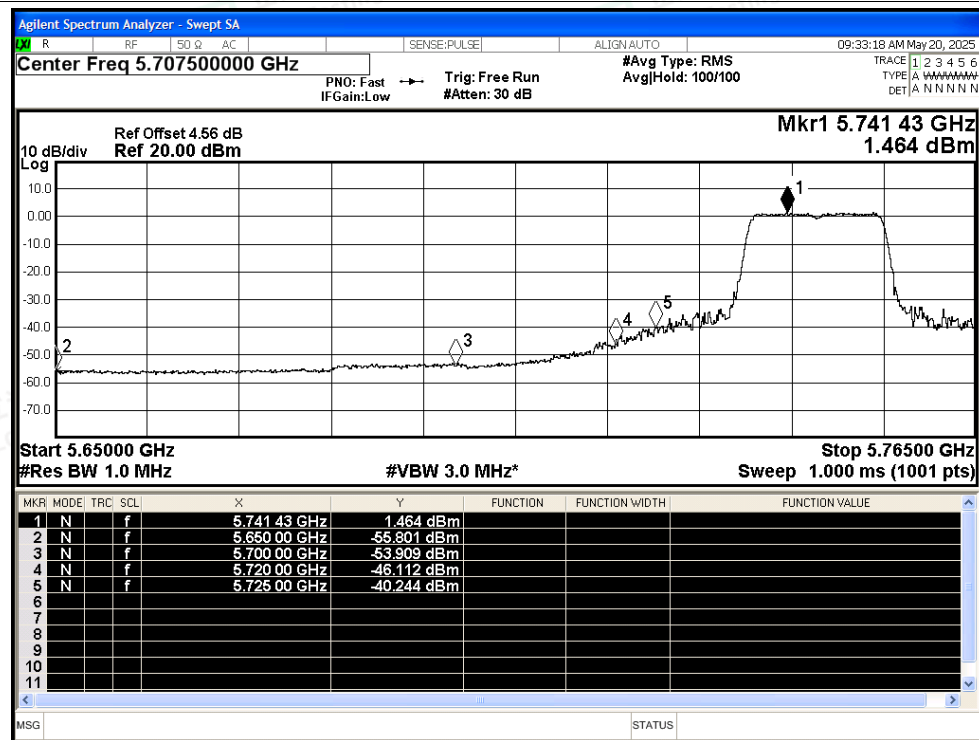


## Test Graphs

## Restrict Band NVNT a 5745MHz Ant1 Peak



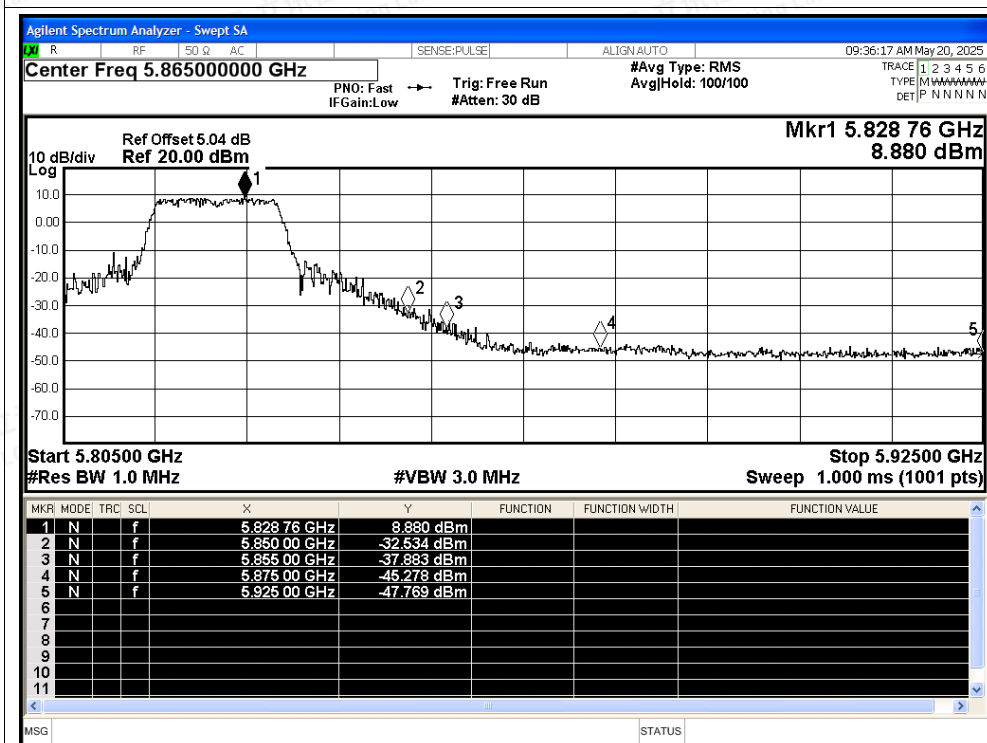
## Restrict Band NVNT a 5745MHz Ant1 Average



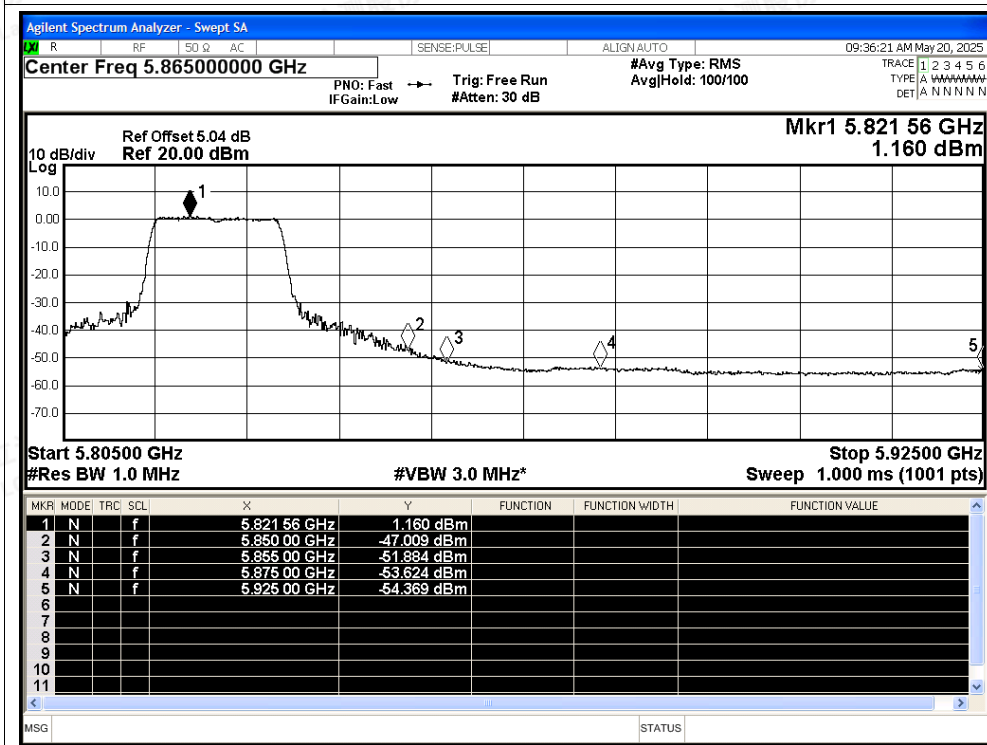




## Restrict Band NVNT a 5825MHz Ant1 Peak



## Restrict Band NVNT a 5825MHz Ant1 Average



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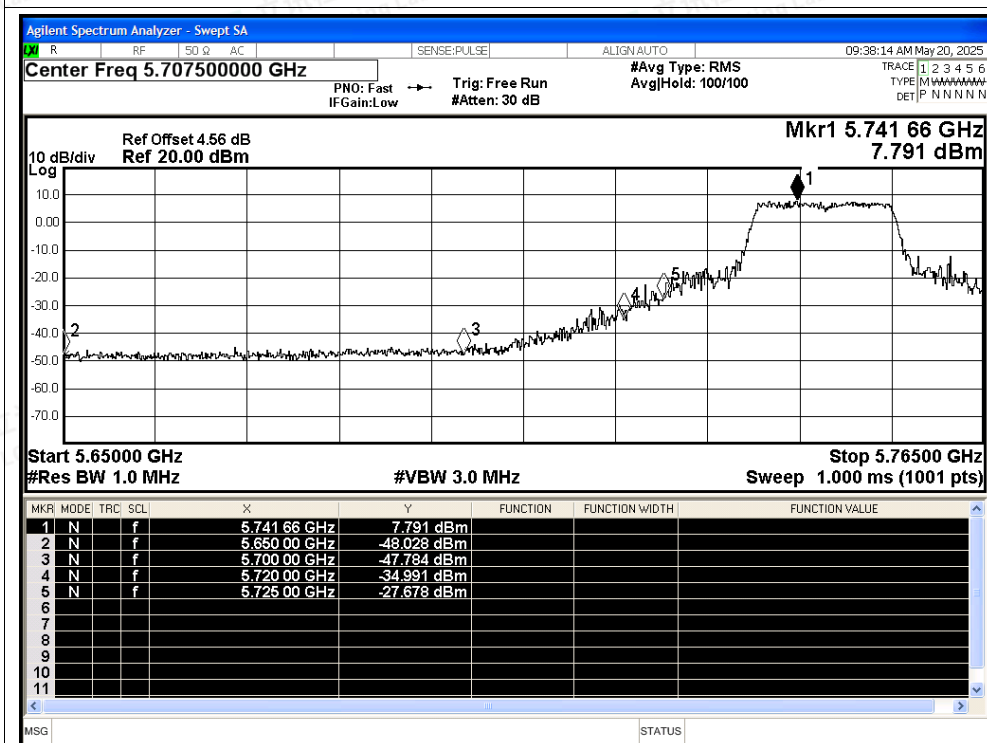
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

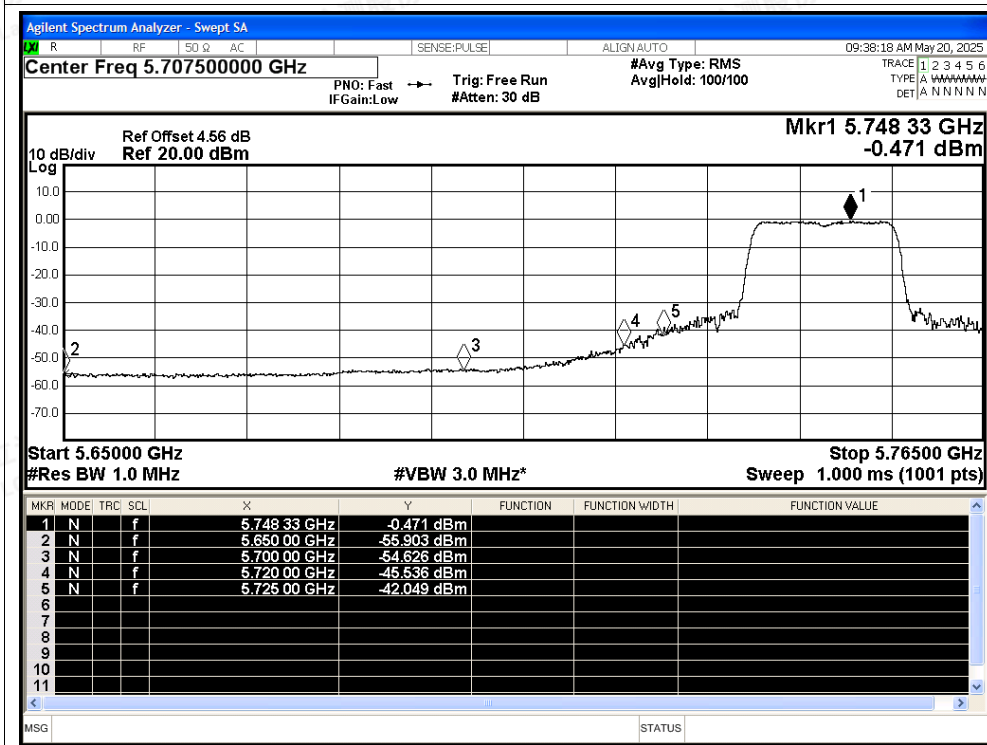
Scan code to check authenticity



## Restrict Band NVNT n20 5745MHz Ant1 Peak



## Restrict Band NVNT n20 5745MHz Ant1 Average



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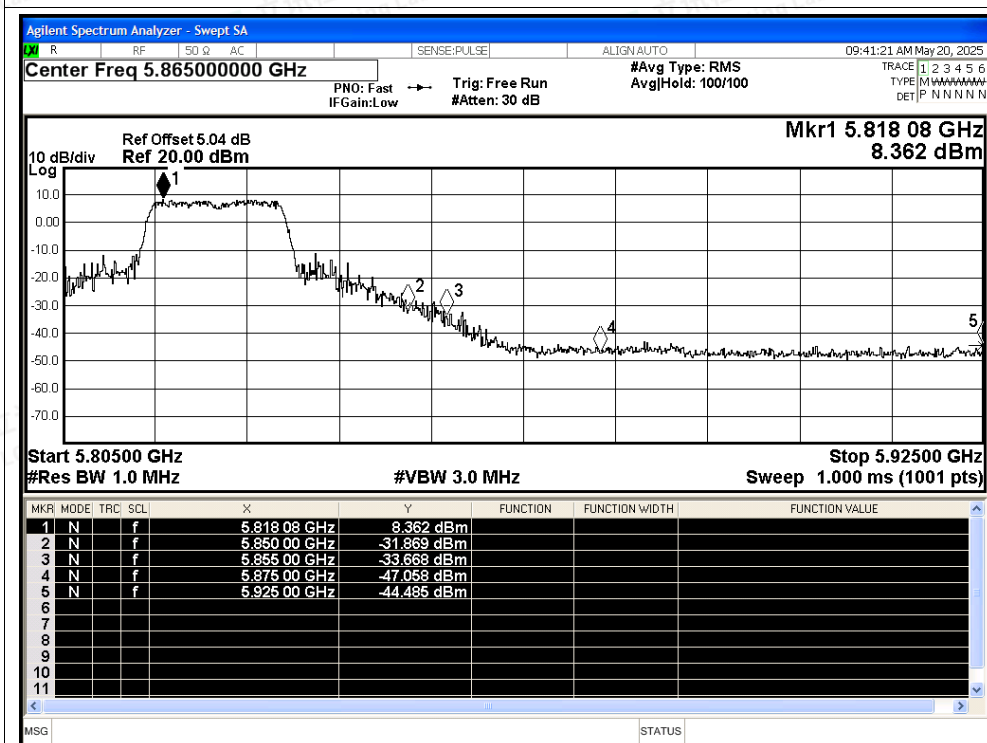
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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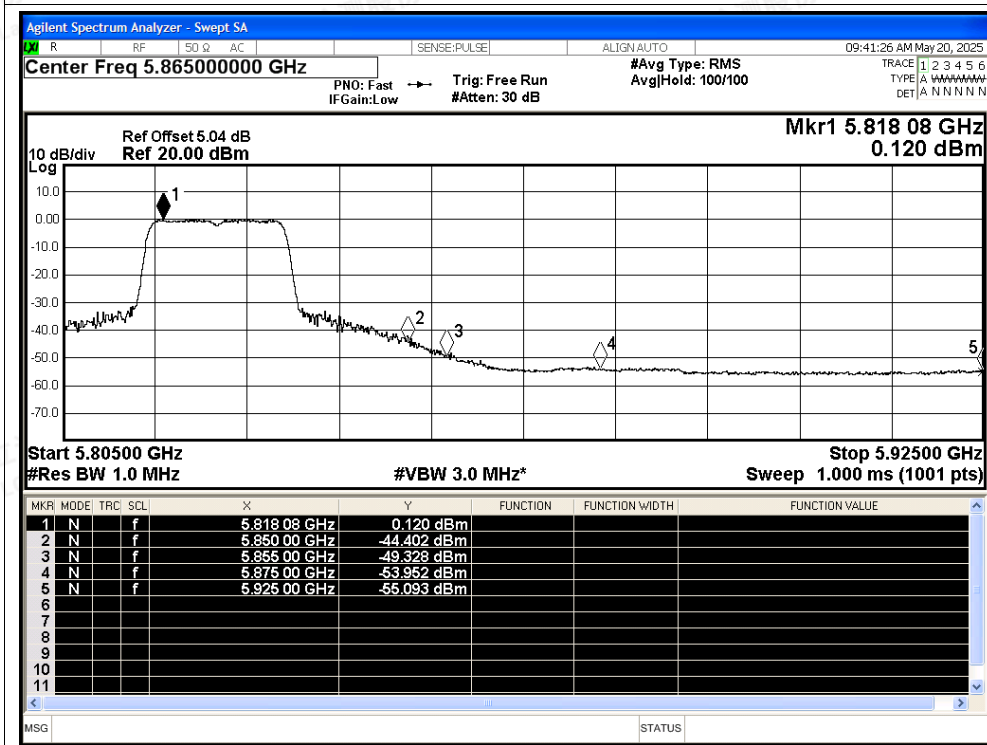




## Restrict Band NVNT n20 5825MHz Ant1 Peak



## Restrict Band NVNT n20 5825MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

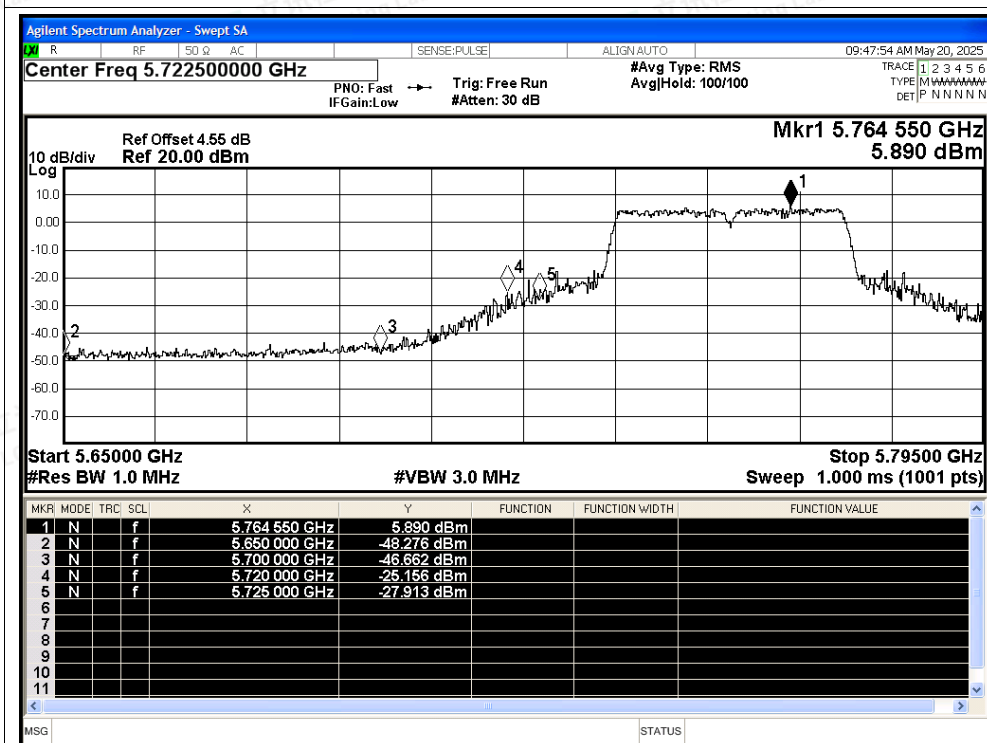
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

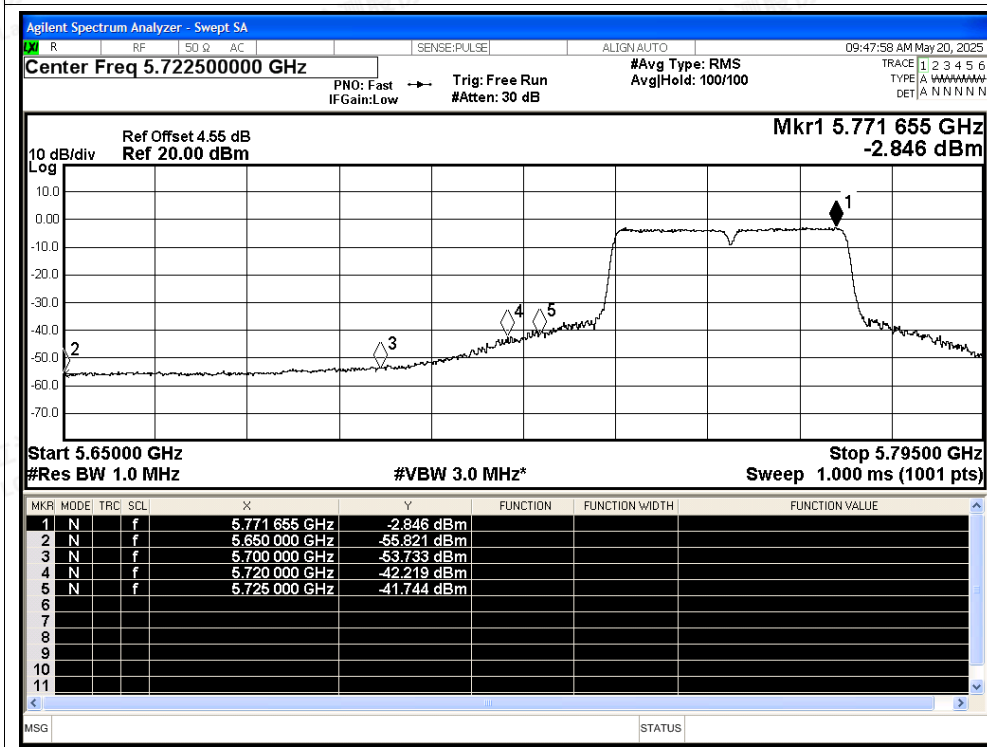
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## Restrict Band NVNT n40 5755MHz Ant1 Peak



## Restrict Band NVNT n40 5755MHz Ant1 Average



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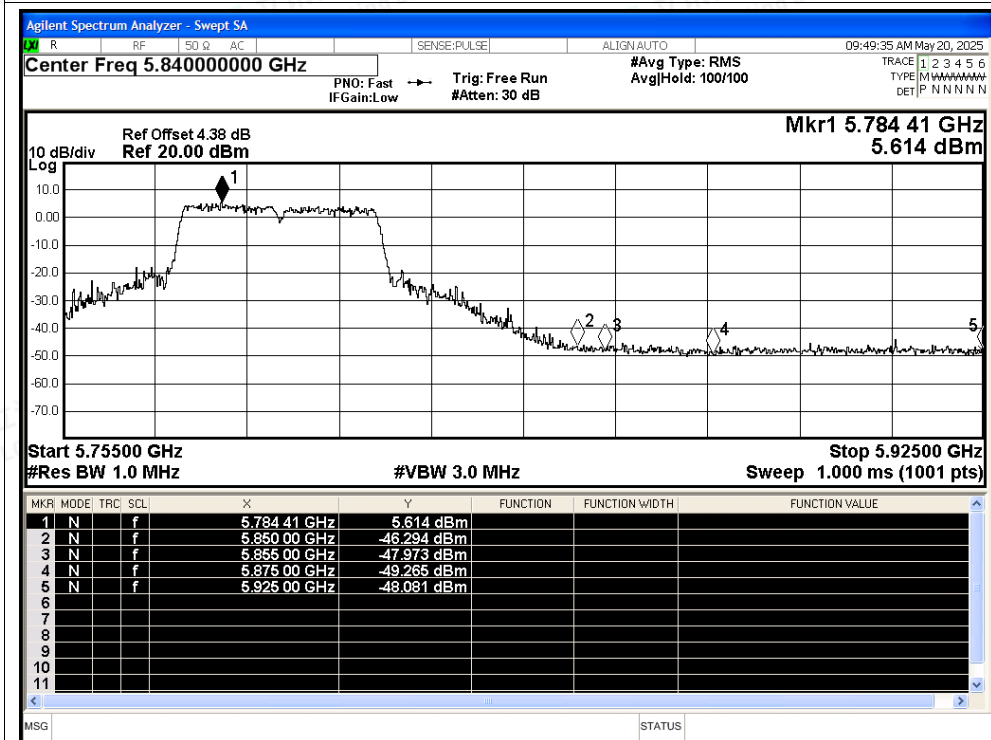
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

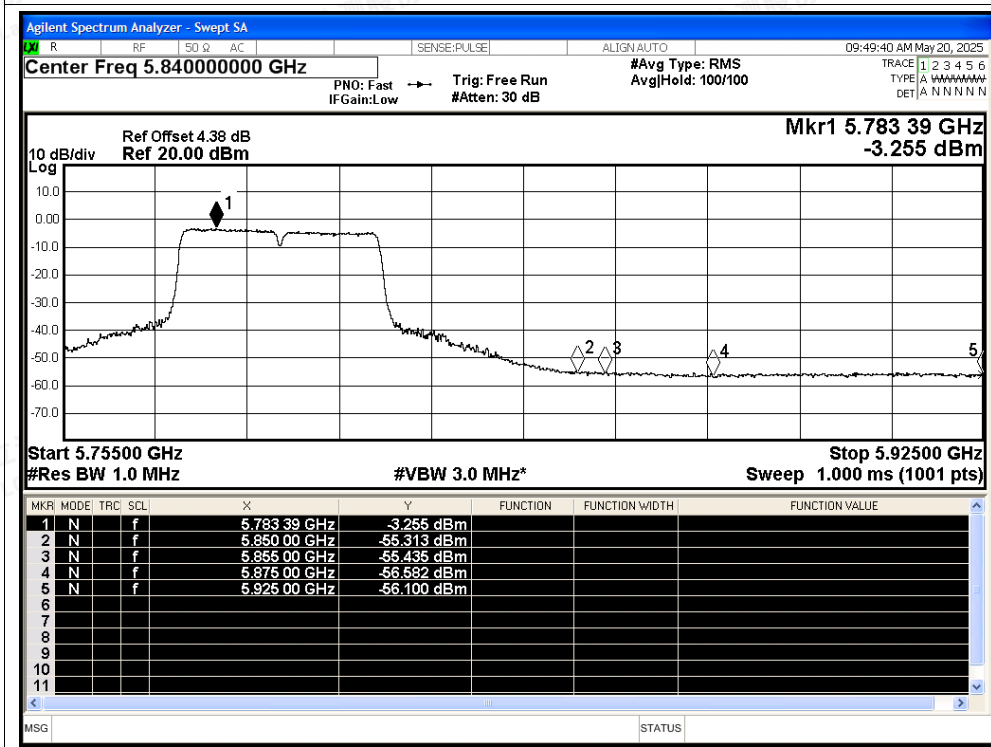
Scan code to check authenticity



## Restrict Band NVNT n40 5795MHz Ant1 Peak



## Restrict Band NVNT n40 5795MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

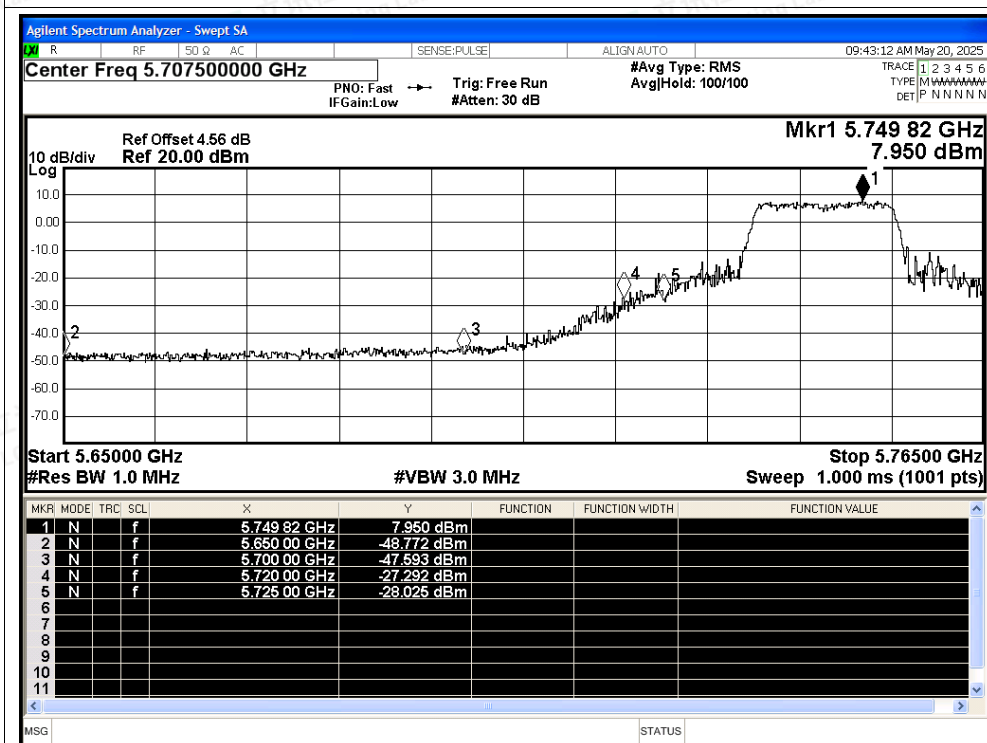
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

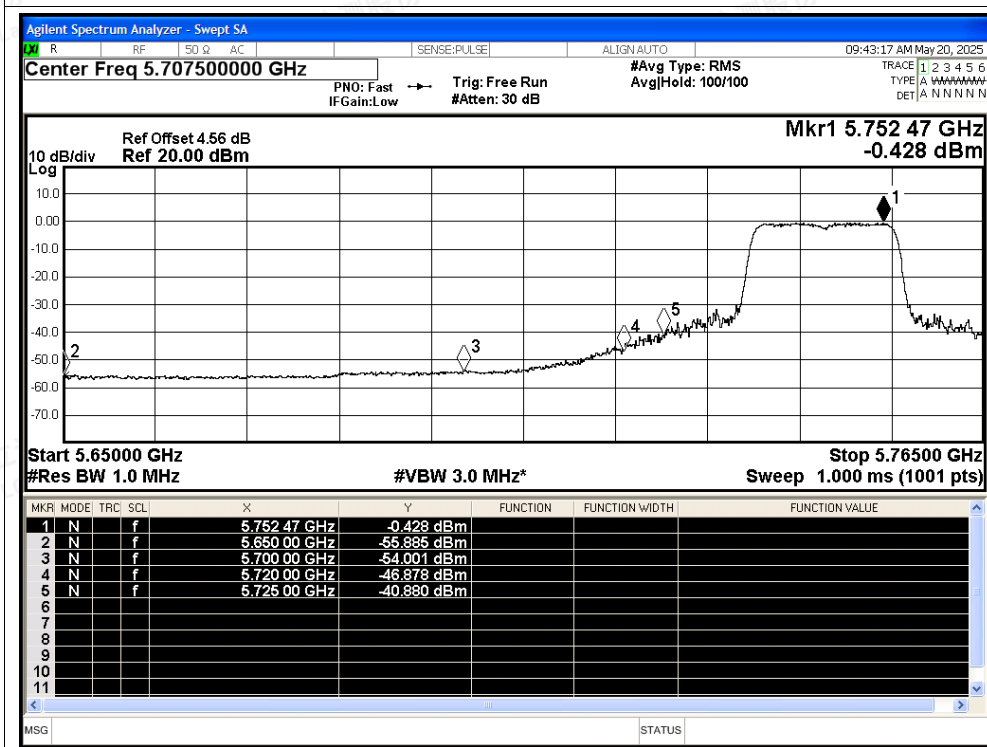
Scan code to check authenticity



## Restrict Band NVNT ac20 5745MHz Ant1 Peak



## Restrict Band NVNT ac20 5745MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

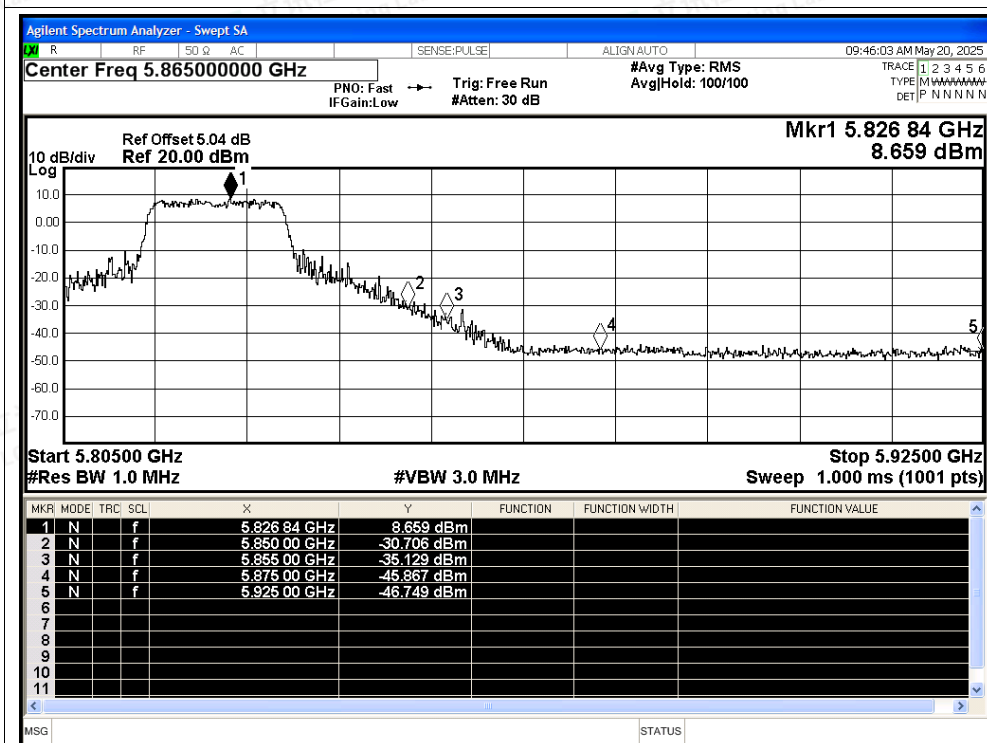
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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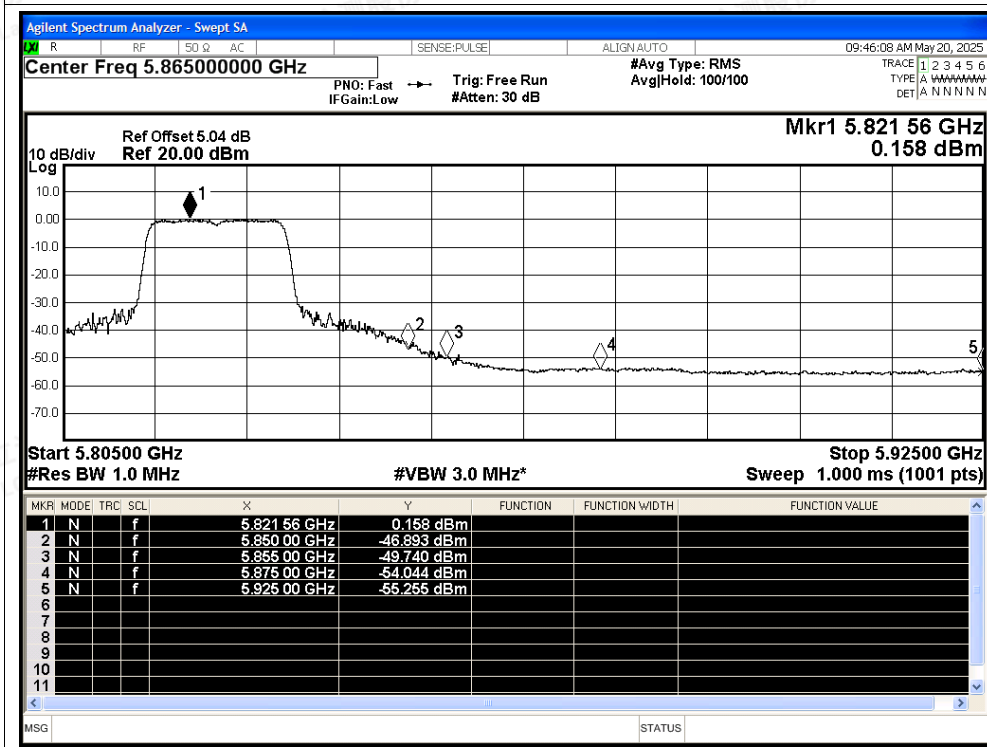
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## Restrict Band NVNT ac20 5825MHz Ant1 Peak



## Restrict Band NVNT ac20 5825MHz Ant1 Average



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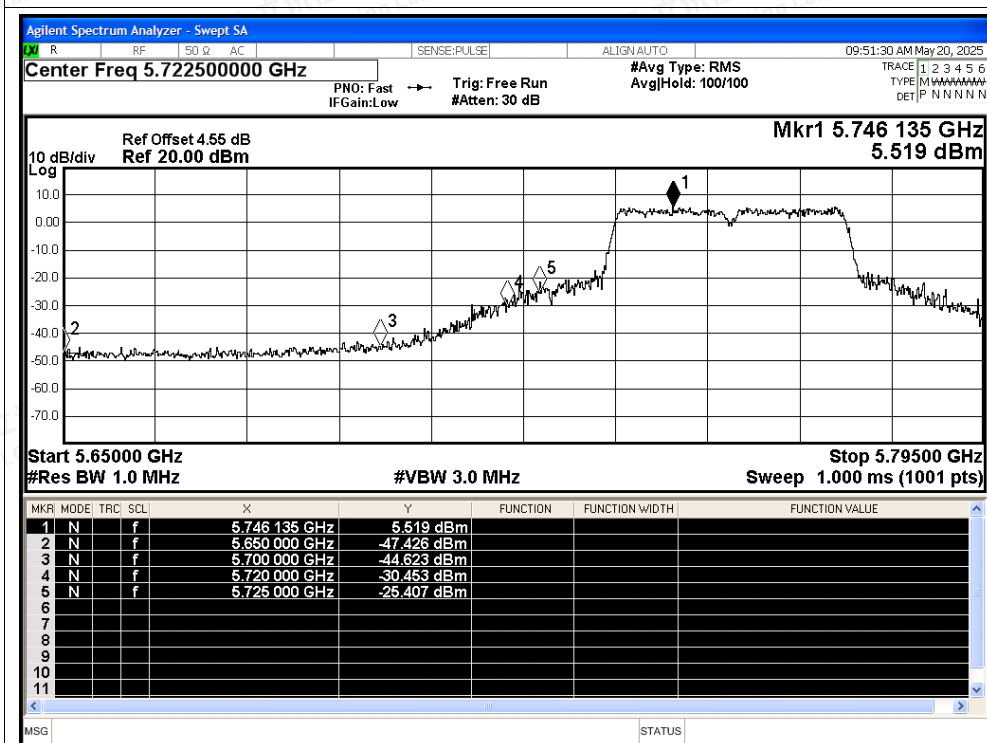
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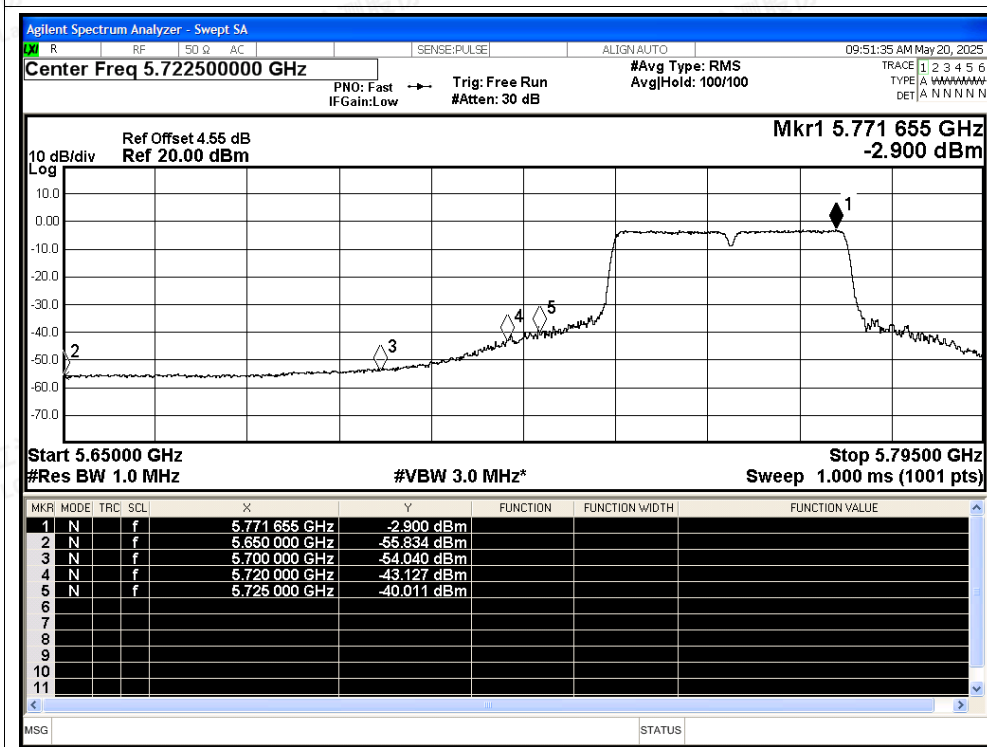
Scan code to check authenticity



## Restrict Band NVNT ac40 5755MHz Ant1 Peak



## Restrict Band NVNT ac40 5755MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

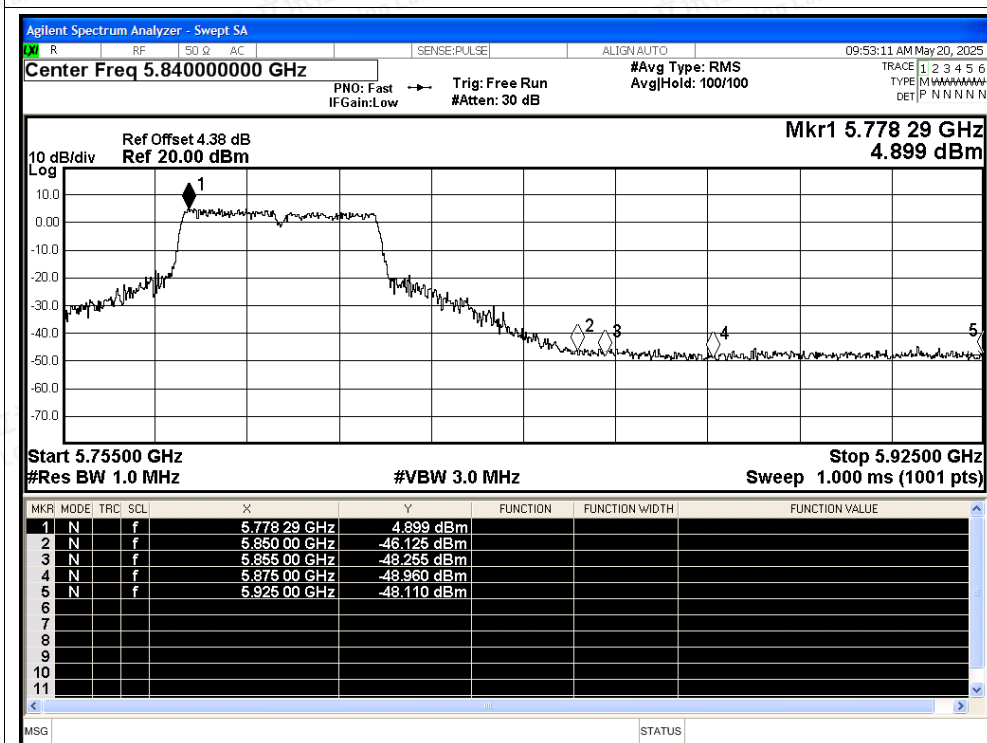
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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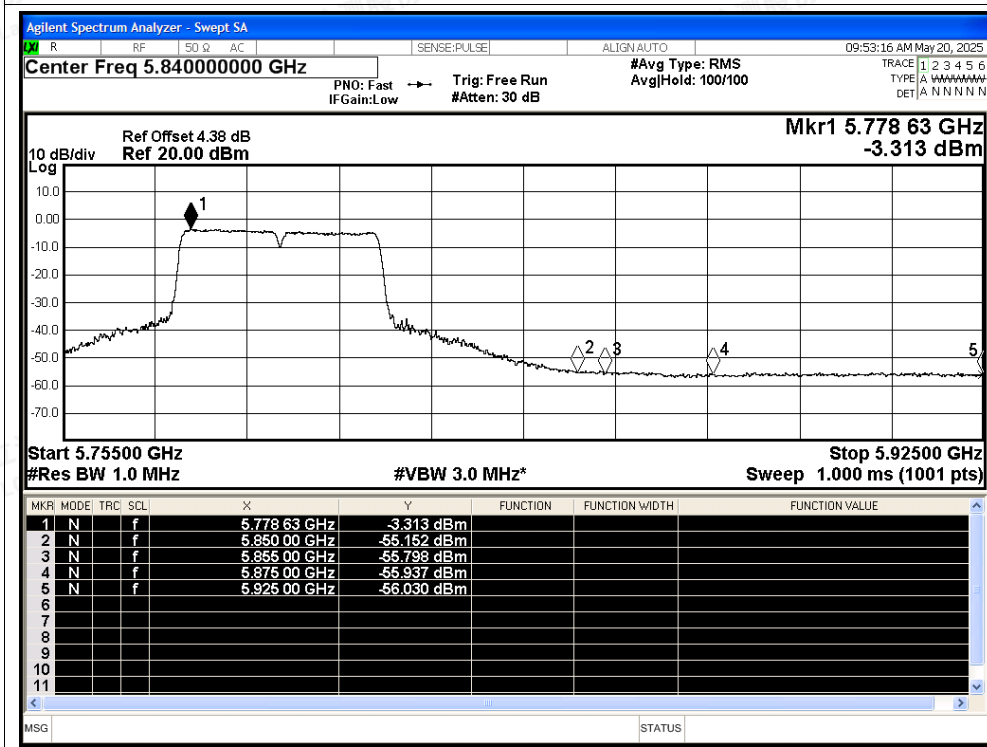
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## Restrict Band NVNT ac40 5795MHz Ant1 Peak



## Restrict Band NVNT ac40 5795MHz Ant1 Average



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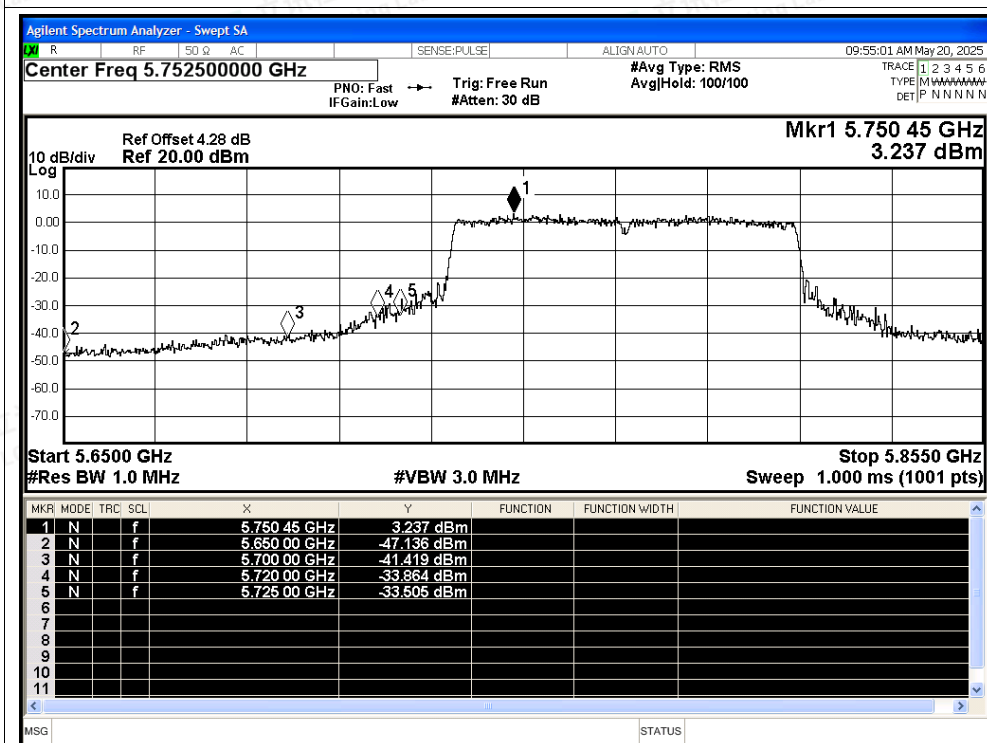
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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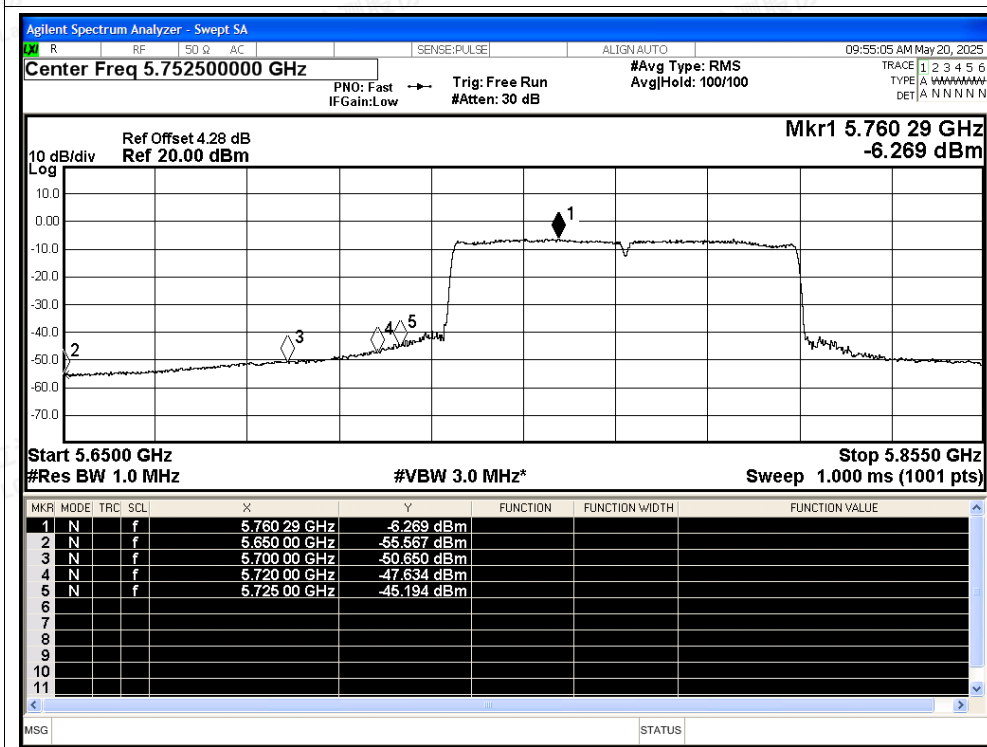




## Restrict Band NVNT ac80 5775MHz Ant1 Peak



## Restrict Band NVNT ac80 5775MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

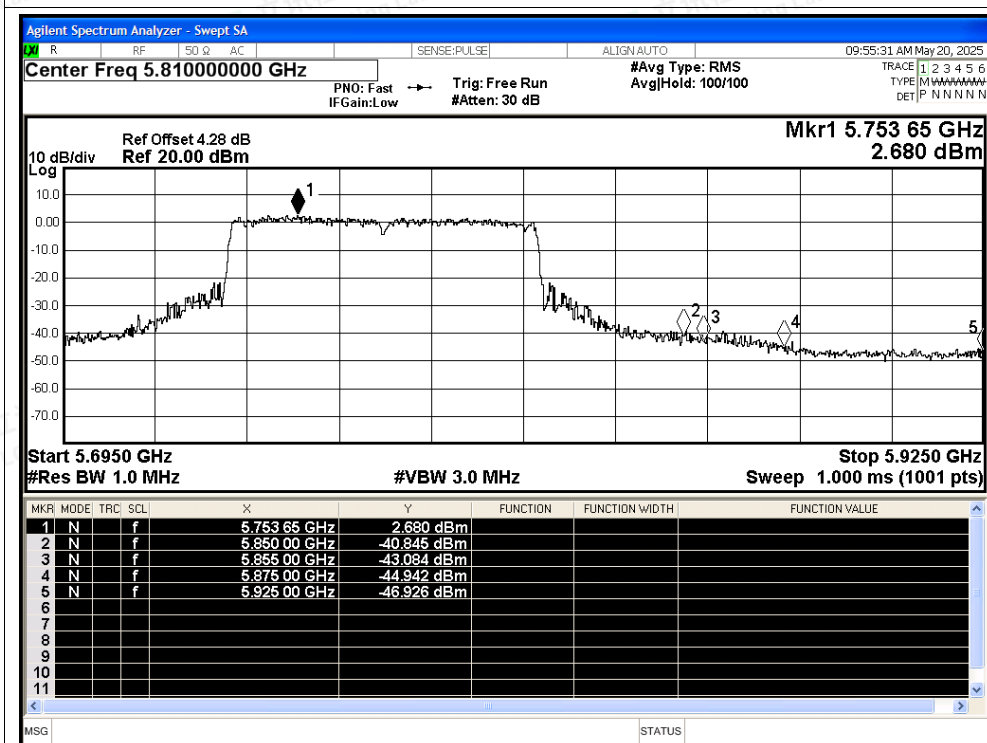
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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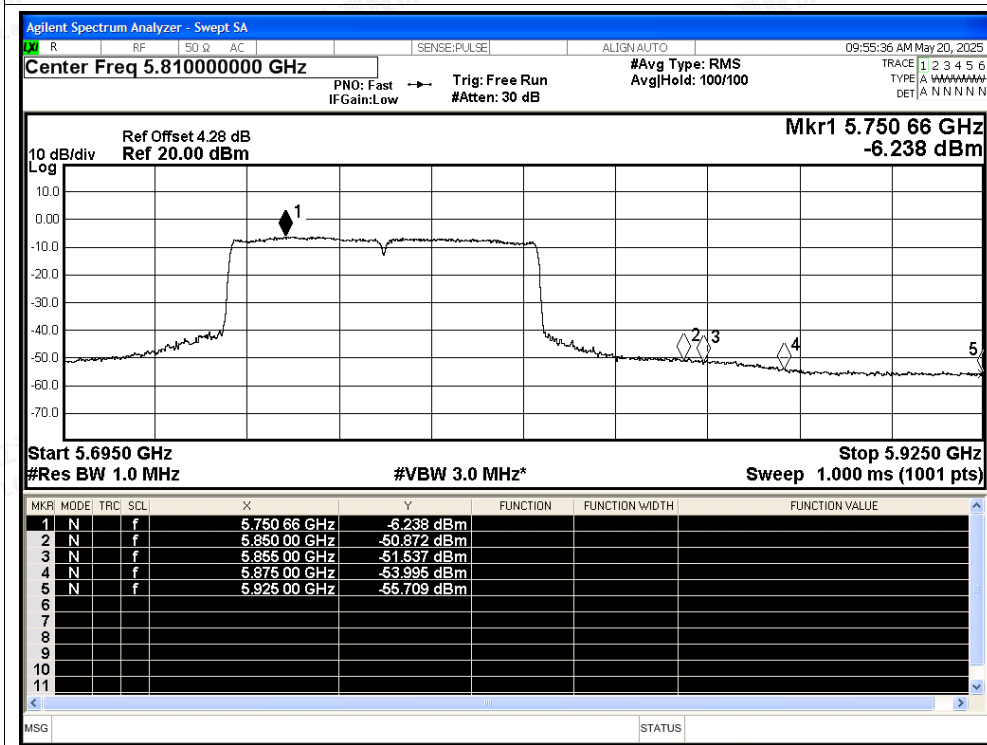
Scan code to check authenticity



## Restrict Band NVNT ac80 5775MHz Ant1 Peak



## Restrict Band NVNT ac80 5775MHz Ant1 Average



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## E.5 Frequency Stability

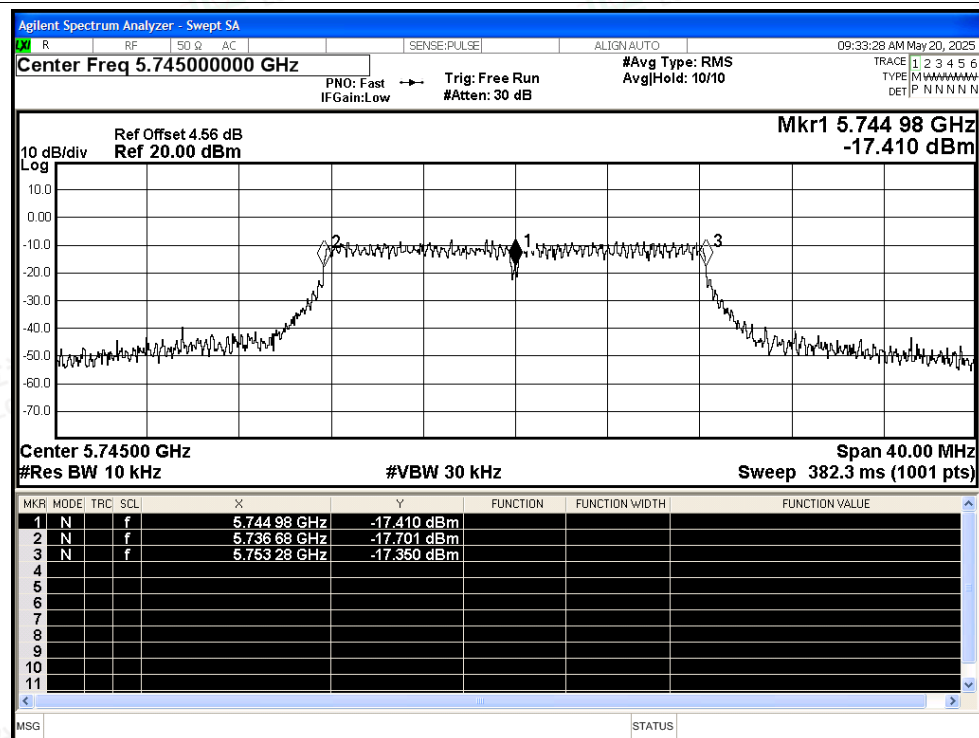
| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-----------|------|-----------------|---------|--------------------------|----------------------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | 5744.98                  | -20000               | -3.48           | 25          | Pass    |
| NVNT      | a    | 5785            | Ant1    | 5785                     | 0                    | 0               | 25          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5825                     | 0                    | 0               | 25          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5744.98                  | -20000               | -3.48           | 25          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 5784.98                  | -20000               | -3.46           | 25          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5824.98                  | -20000               | -3.43           | 25          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5755                     | 0                    | 0               | 25          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 5795                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 5744.98                  | -20000               | -3.48           | 25          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 5785                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 5824.98                  | -20000               | -3.43           | 25          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 5754.96                  | -40000               | -6.95           | 25          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 5795                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 5775                     | 0                    | 0               | 25          | Pass    |



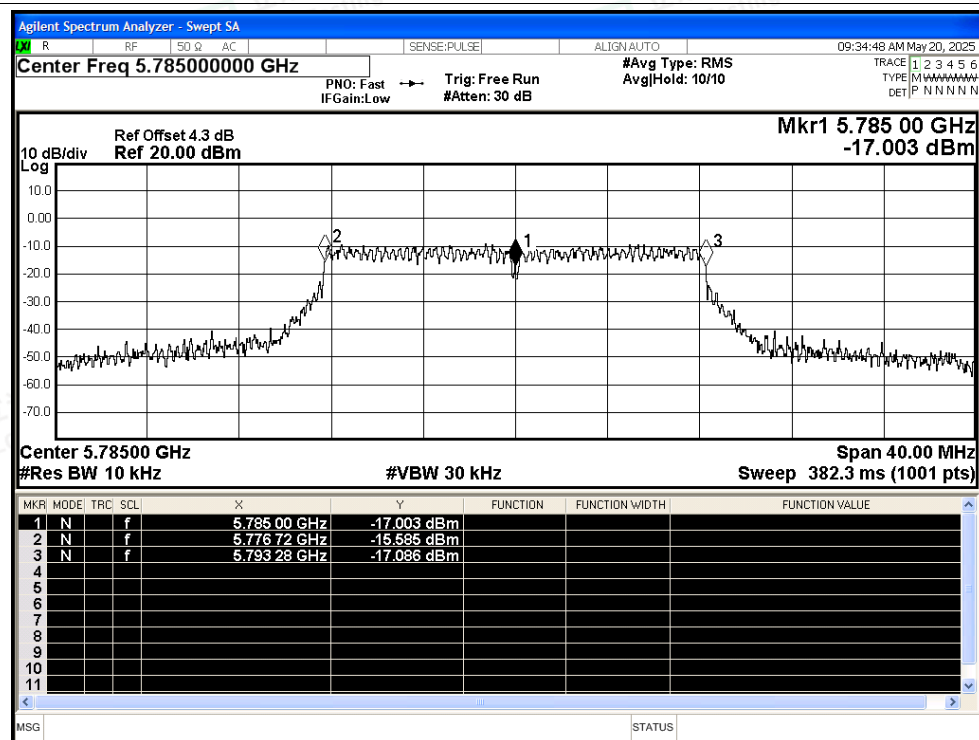


## Test Graphs

## Freq. Stability NVNT a 5745MHz Ant1



## Freq. Stability NVNT a 5785MHz Ant1



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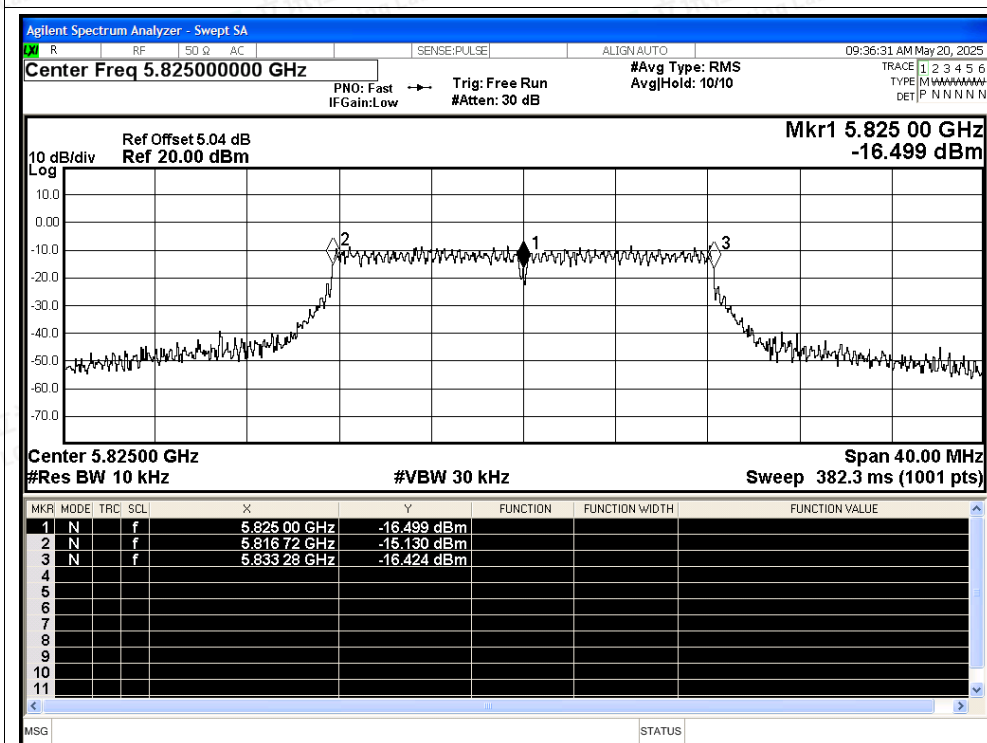
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

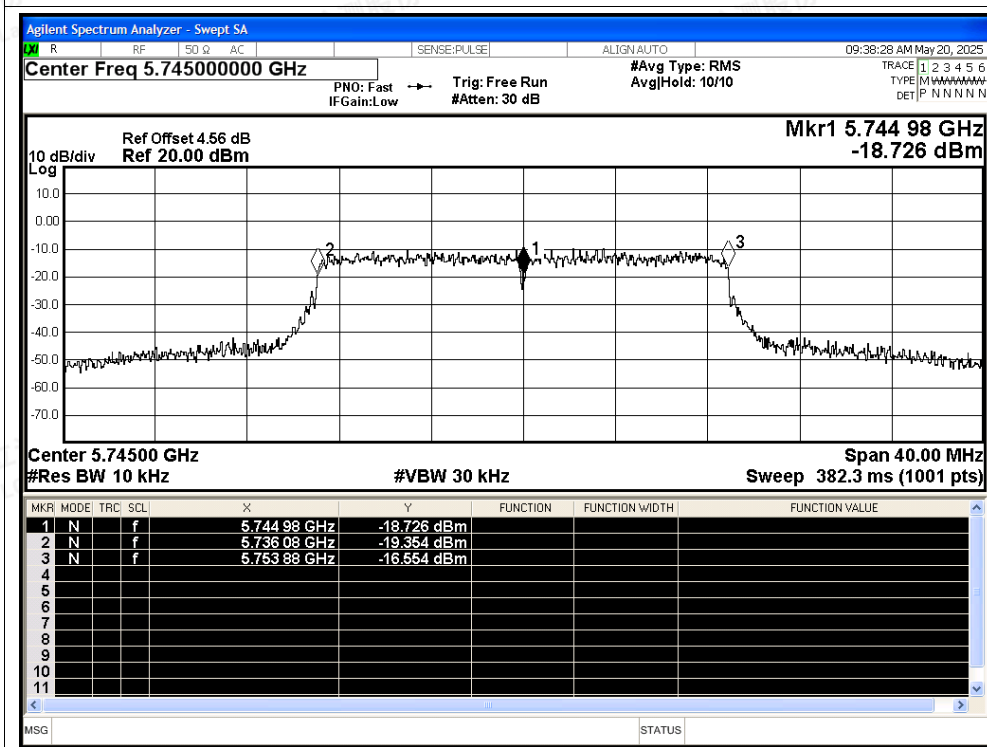
Scan code to check authenticity



## Freq. Stability NVNT a 5825MHz Ant1



## Freq. Stability NVNT n20 5745MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

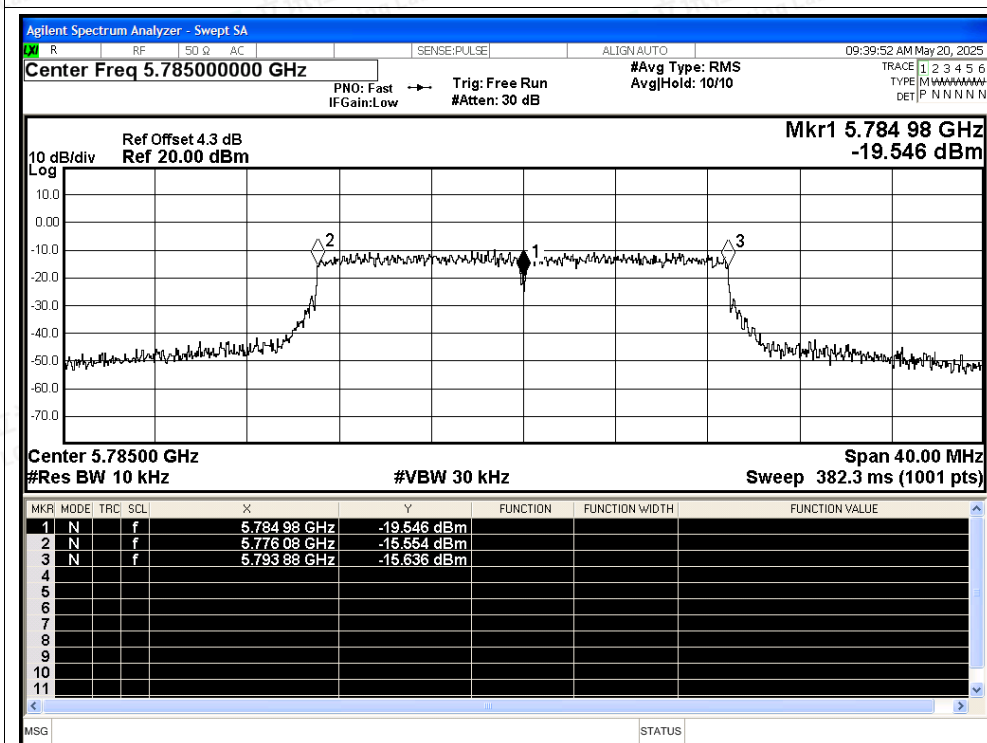
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

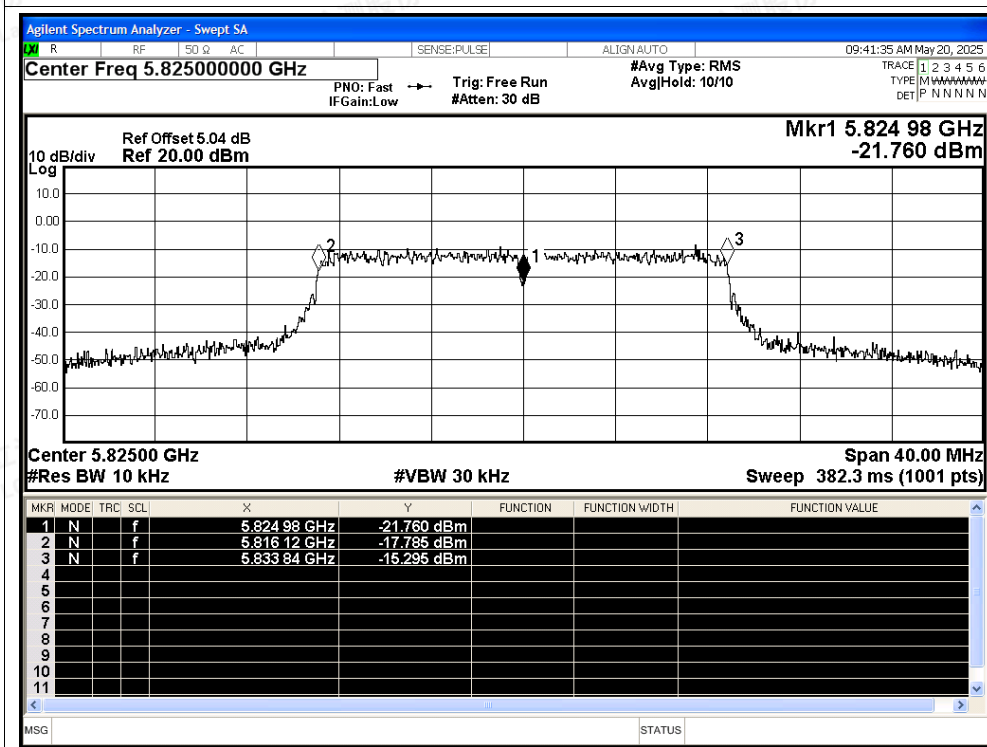
Scan code to check authenticity



## Freq. Stability NVNT n20 5785MHz Ant1



## Freq. Stability NVNT n20 5825MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

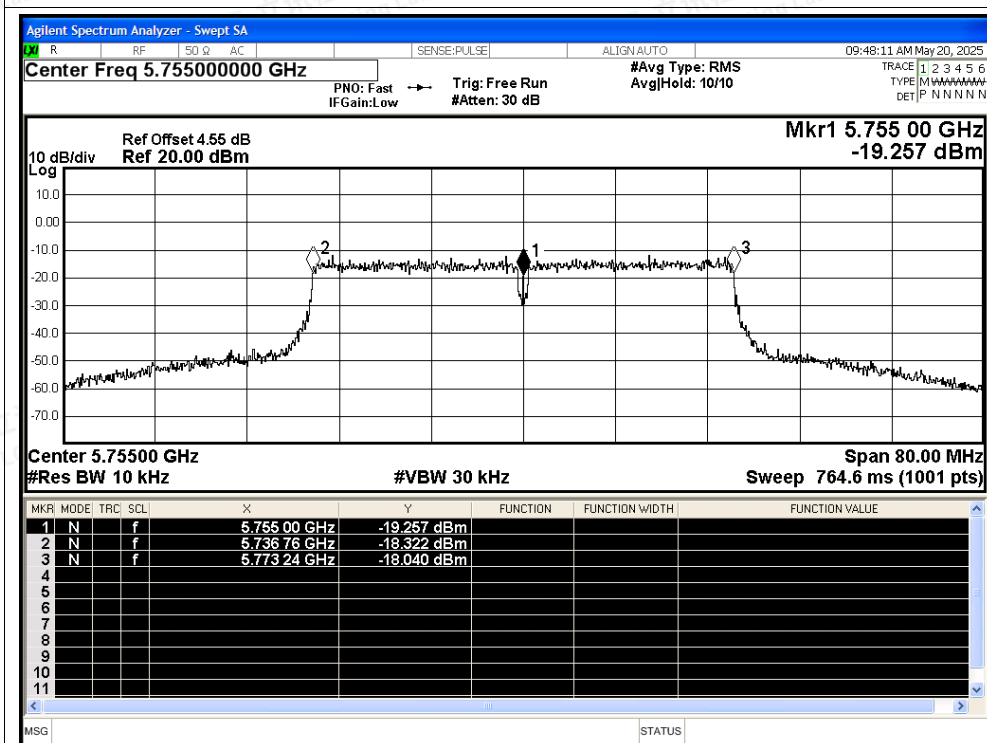
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

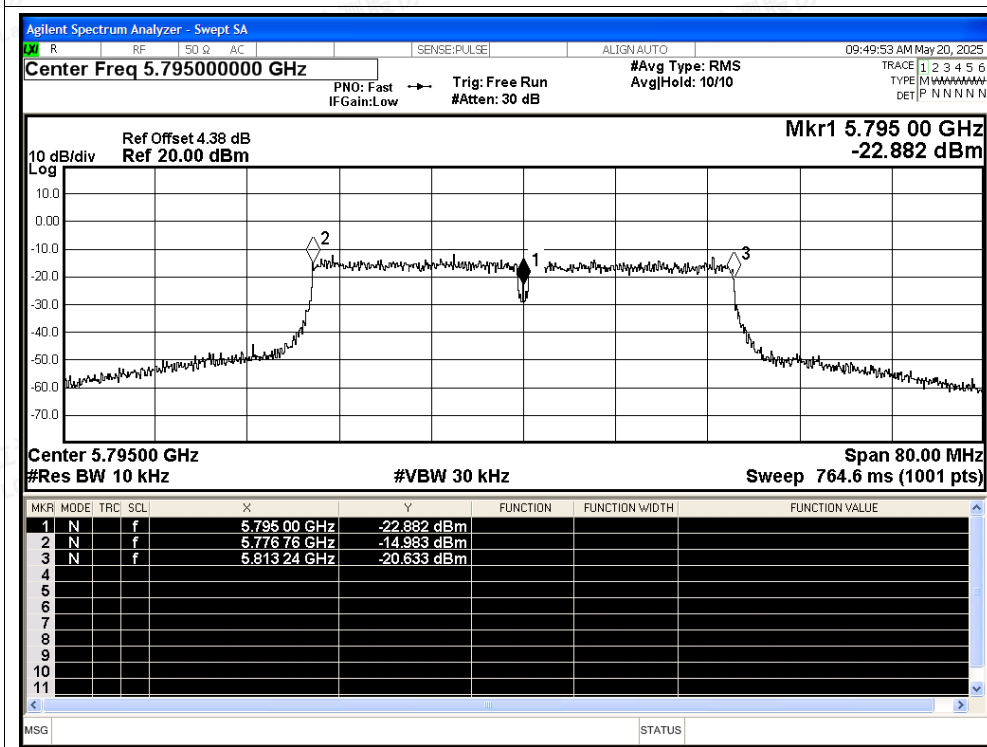
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## Freq. Stability NVNT n40 5755MHz Ant1



## Freq. Stability NVNT n40 5795MHz Ant1



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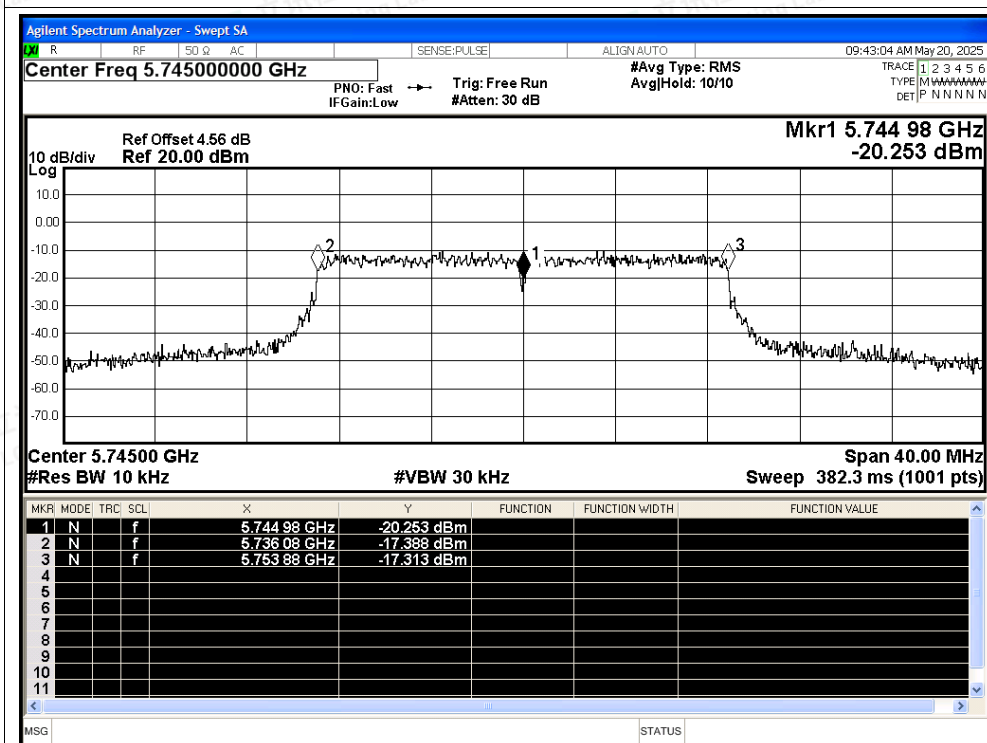
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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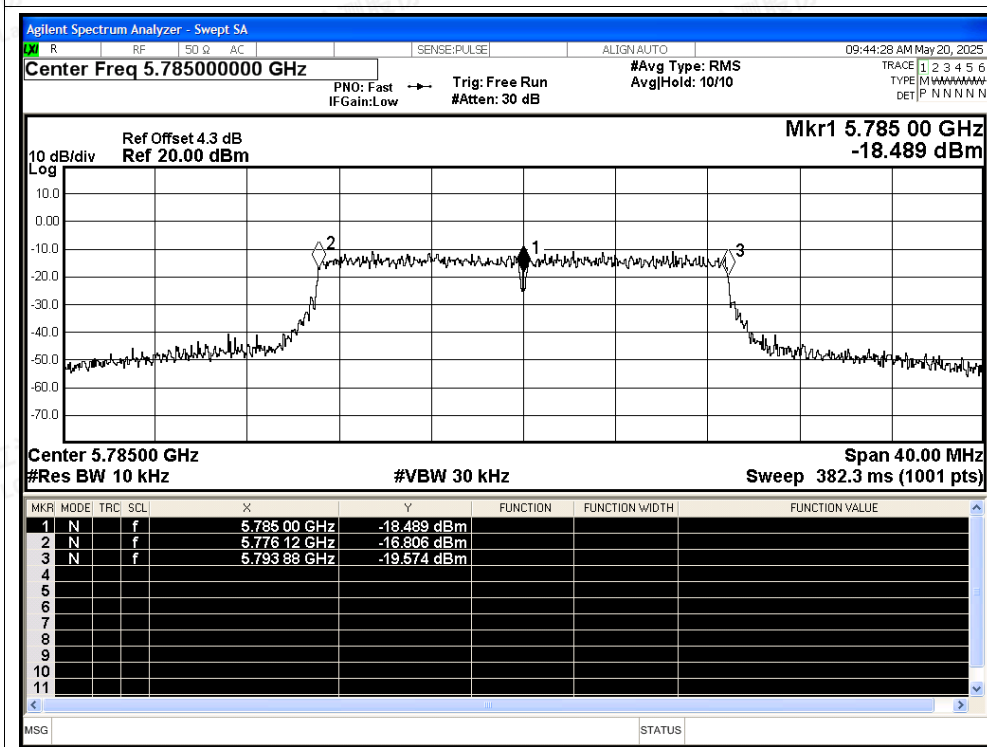




## Freq. Stability NVNT ac20 5745MHz Ant1



## Freq. Stability NVNT ac20 5785MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

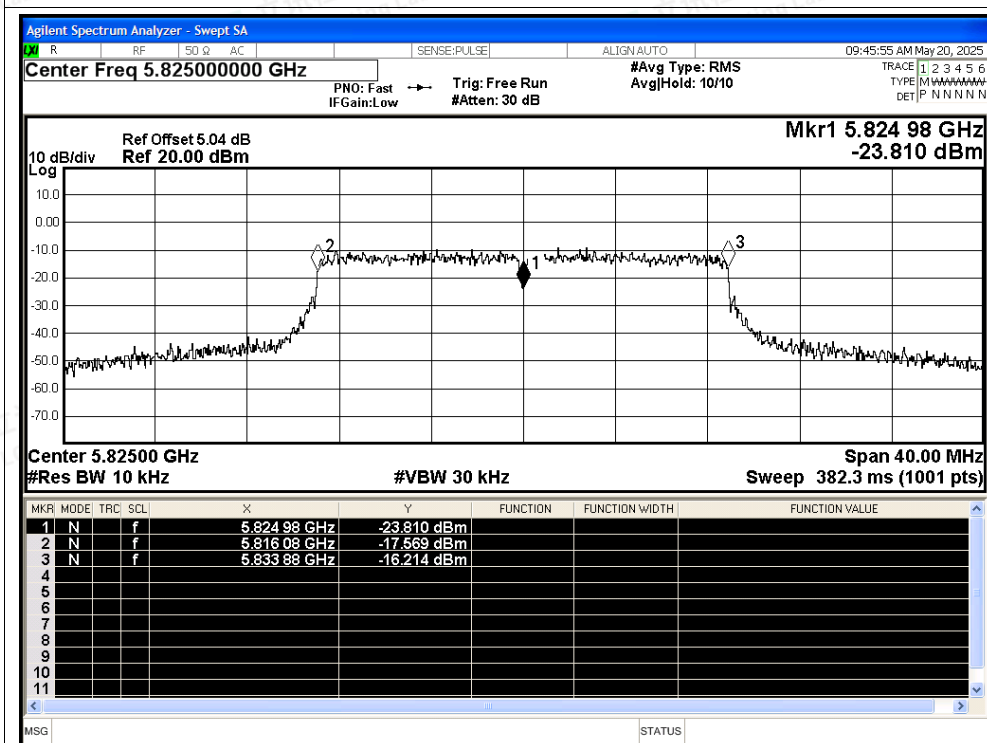
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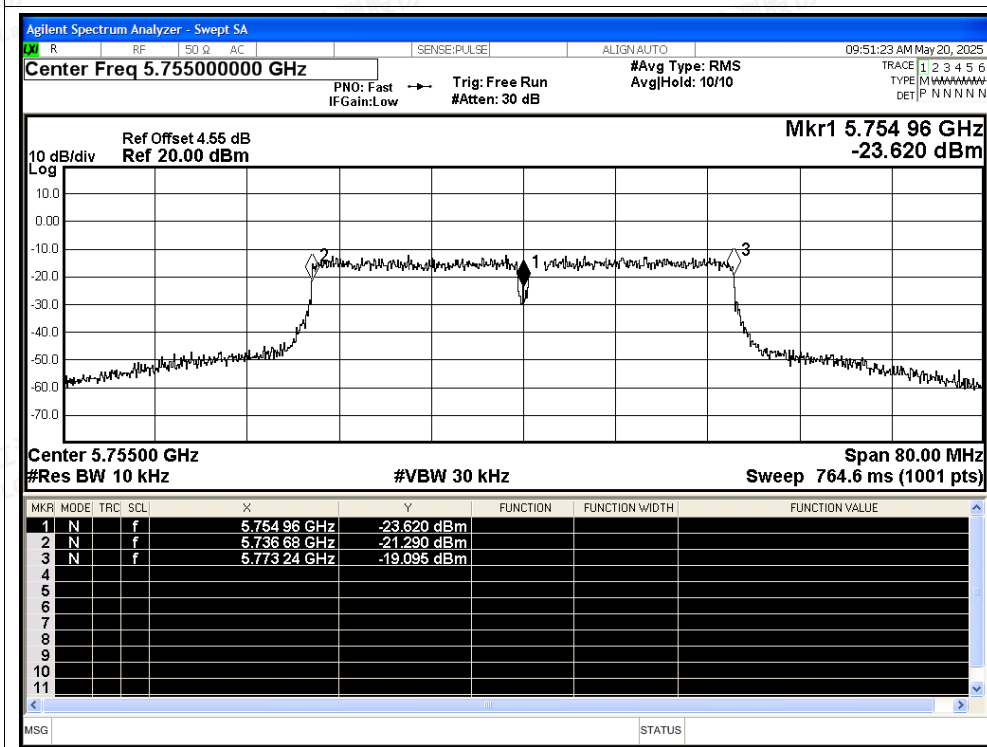
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## Freq. Stability NVNT ac20 5825MHz Ant1



## Freq. Stability NVNT ac40 5755MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

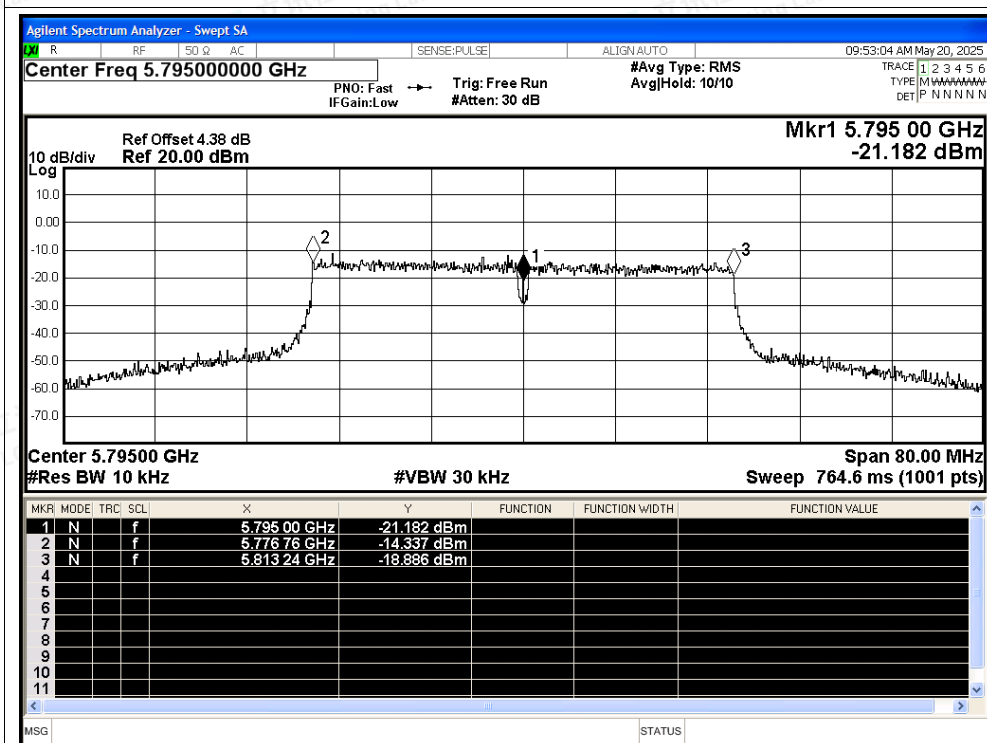
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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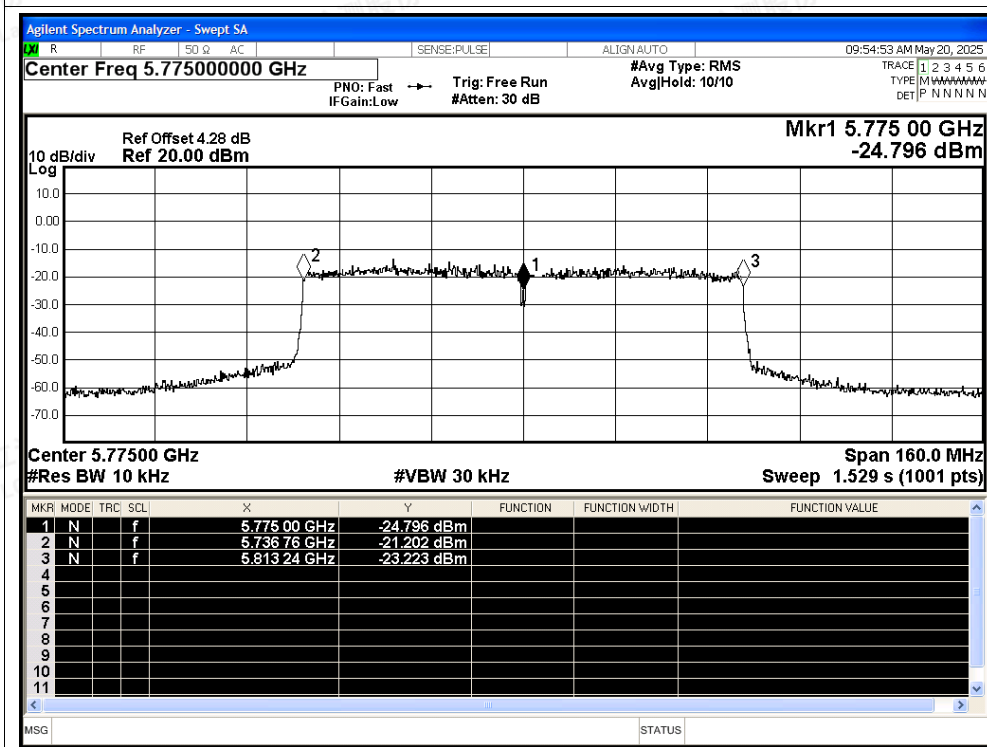
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## Freq. Stability NVNT ac40 5795MHz Ant1



## Freq. Stability NVNT ac80 5775MHz Ant1



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## E.6 Duty Cycle

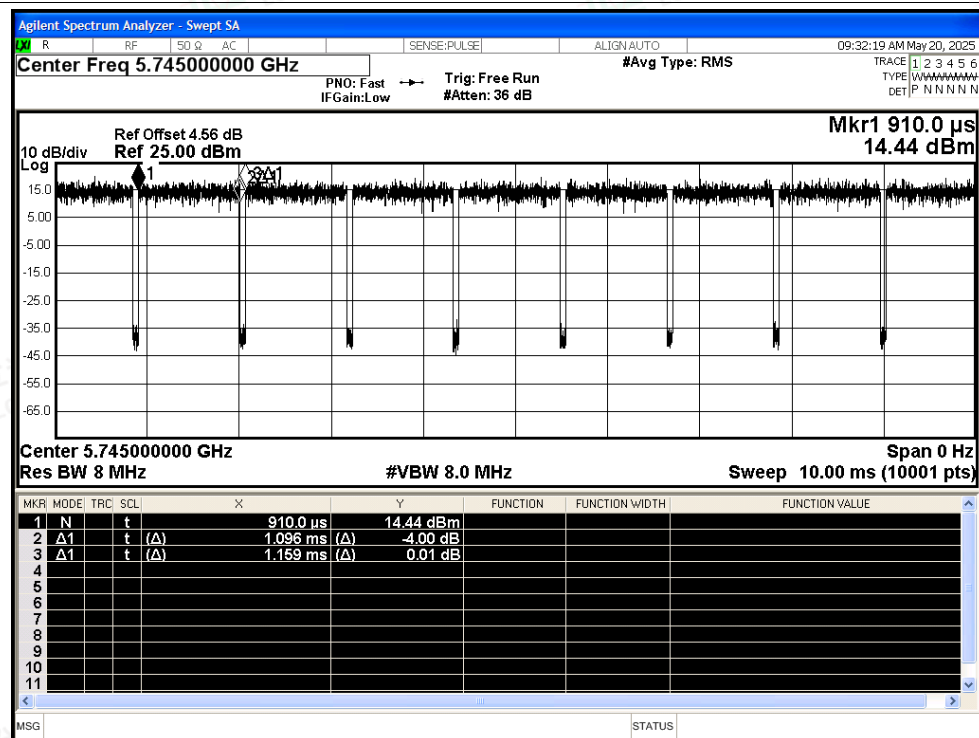
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5745            | Ant1    | 94.56          | 0.24                   | 0.91      |
| NVNT      | a    | 5785            | Ant1    | 94.56          | 0.24                   | 0.91      |
| NVNT      | a    | 5825            | Ant1    | 94.65          | 0.24                   | 0.91      |
| NVNT      | n20  | 5745            | Ant1    | 97.33          | 0.12                   | 0.44      |
| NVNT      | n20  | 5785            | Ant1    | 97.29          | 0.12                   | 0.44      |
| NVNT      | n20  | 5825            | Ant1    | 97.33          | 0.12                   | 0.44      |
| NVNT      | n40  | 5755            | Ant1    | 94.71          | 0.24                   | 0.9       |
| NVNT      | n40  | 5795            | Ant1    | 94.71          | 0.24                   | 0.9       |
| NVNT      | ac20 | 5745            | Ant1    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ac20 | 5785            | Ant1    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ac20 | 5825            | Ant1    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ac40 | 5755            | Ant1    | 94.72          | 0.24                   | 0.9       |
| NVNT      | ac40 | 5795            | Ant1    | 94.72          | 0.24                   | 0.9       |
| NVNT      | ac80 | 5775            | Ant1    | 89.65          | 0.47                   | 1.86      |



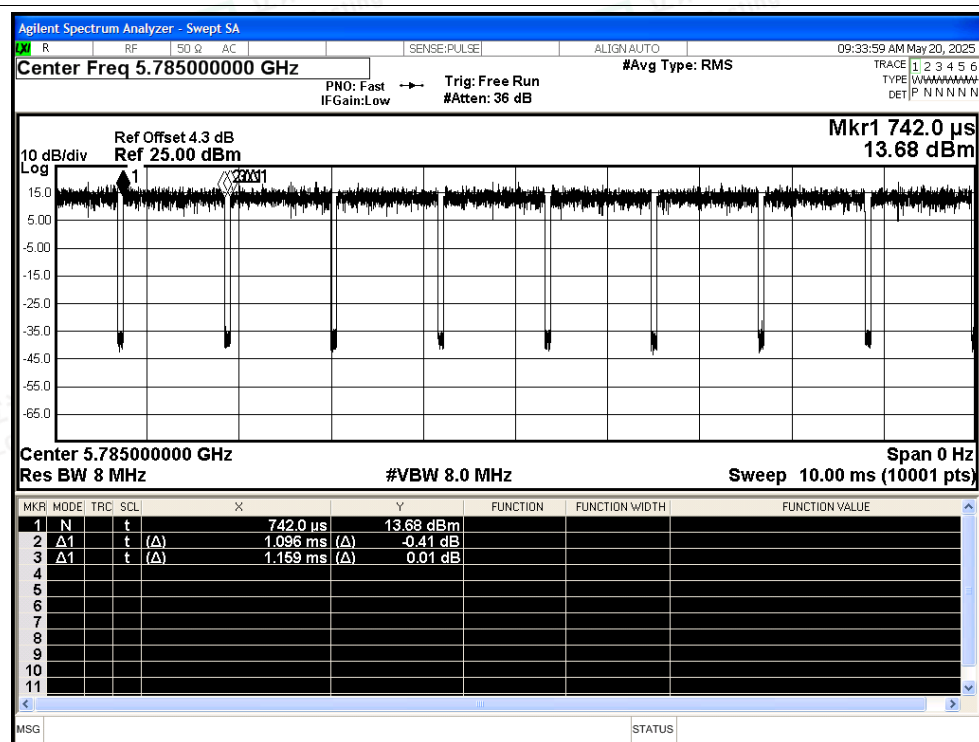


## Test Graphs

## Duty Cycle NVNT a 5745MHz Ant1



## Duty Cycle NVNT a 5785MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

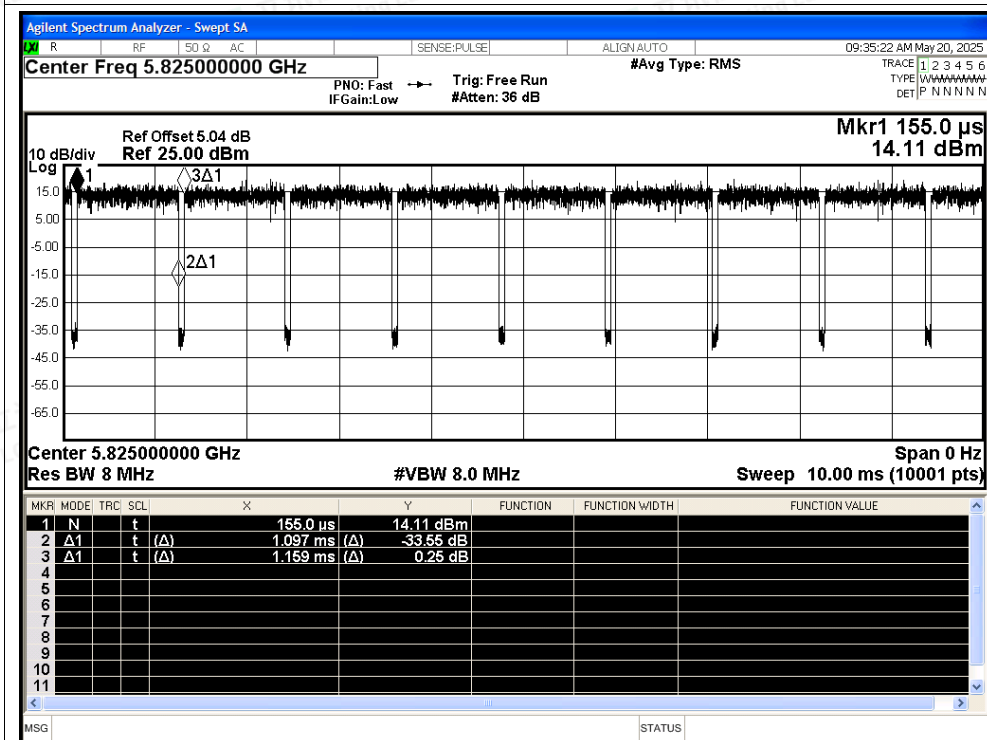
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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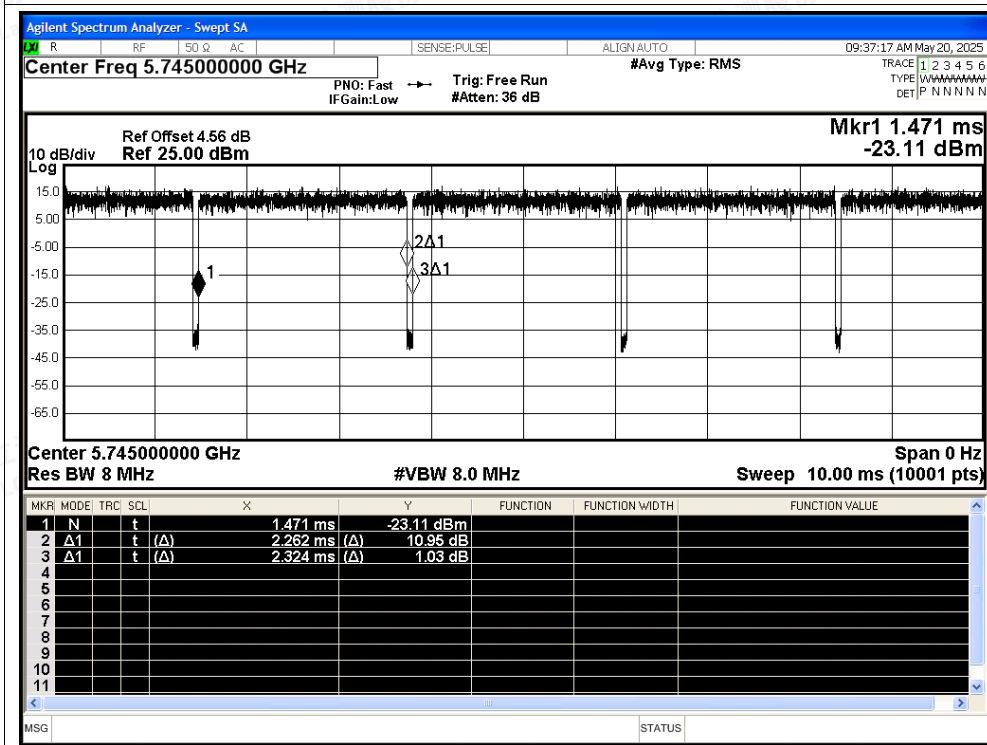
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## Duty Cycle NVNT a 5825MHz Ant1



## Duty Cycle NVNT n20 5745MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

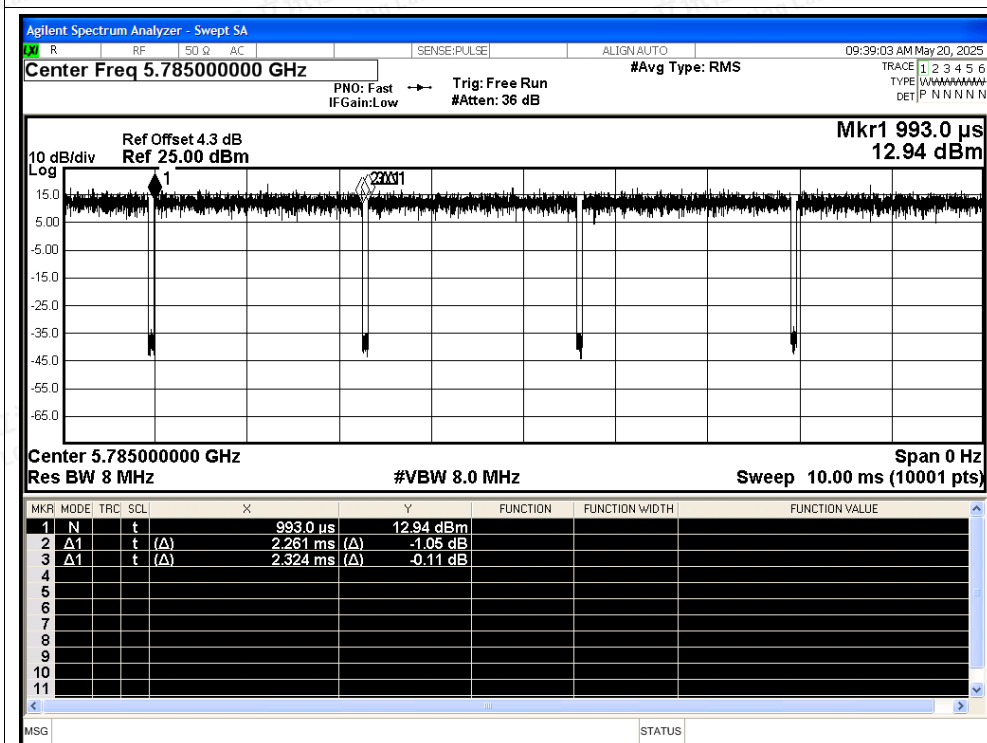
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

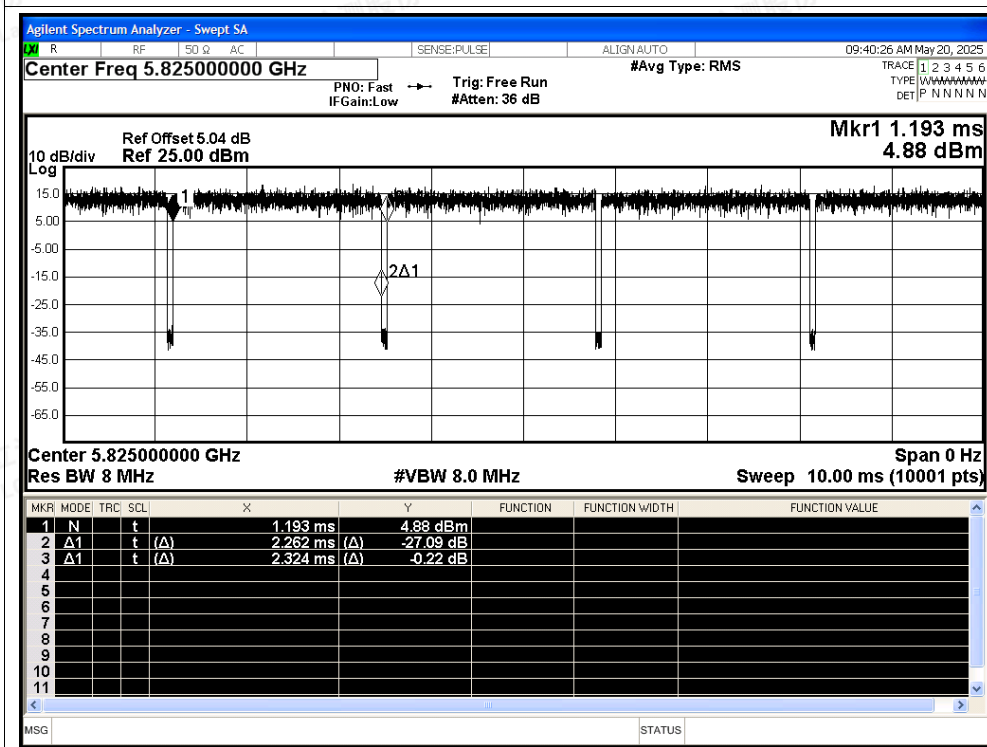
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## Duty Cycle NVNT n20 5785MHz Ant1



## Duty Cycle NVNT n20 5825MHz Ant1



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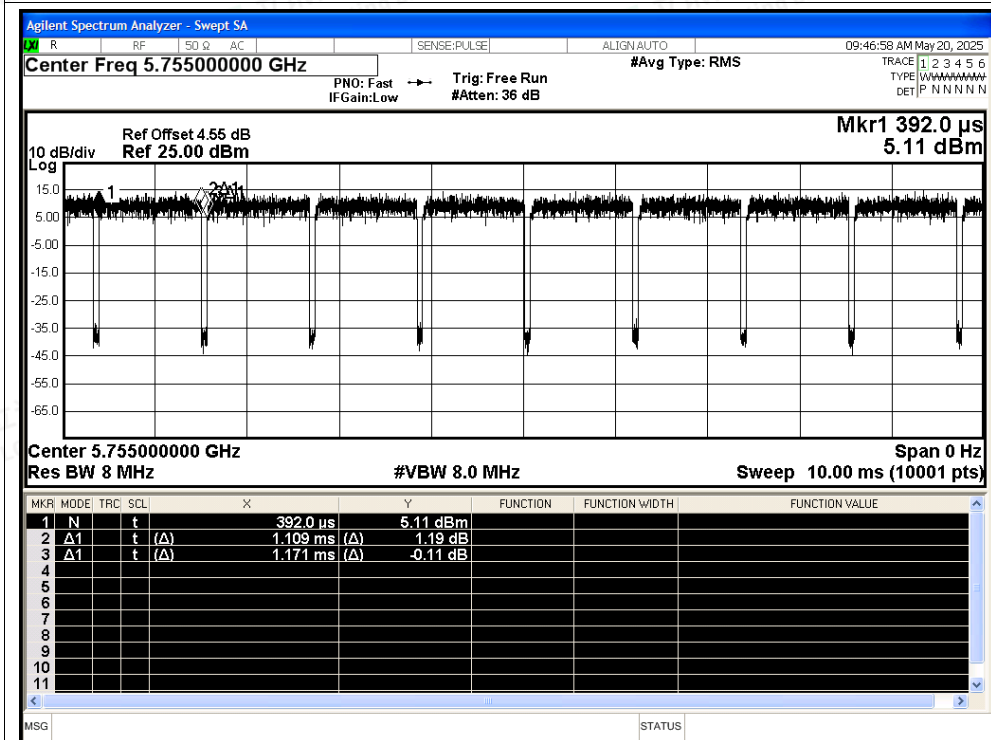
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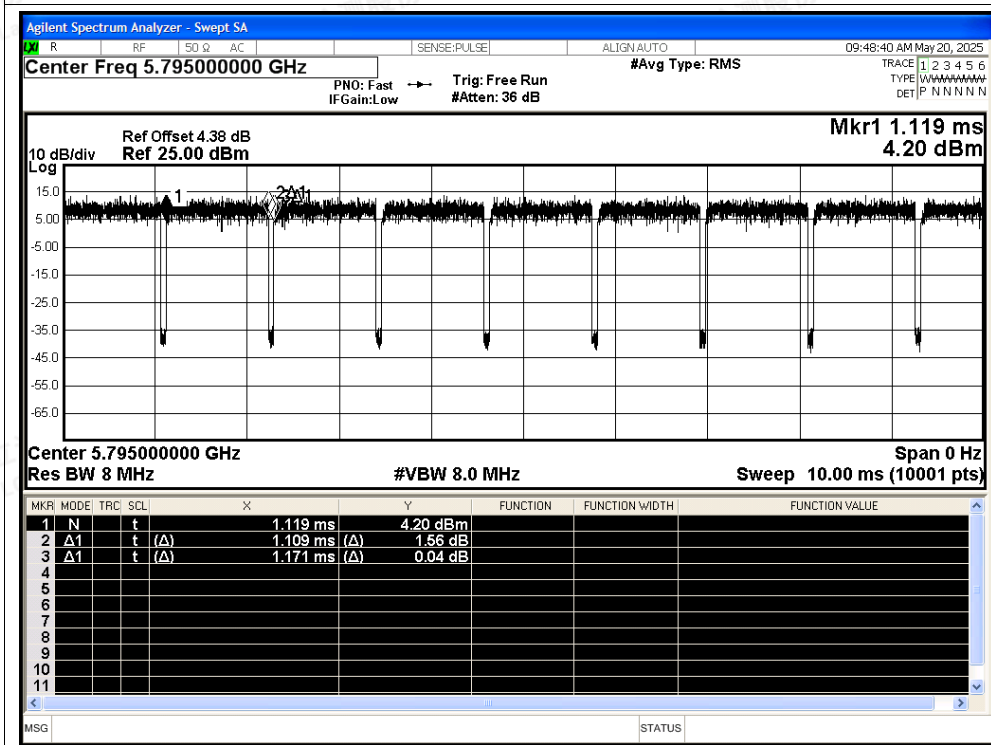




## Duty Cycle NVNT n40 5755MHz Ant1



## Duty Cycle NVNT n40 5795MHz Ant1



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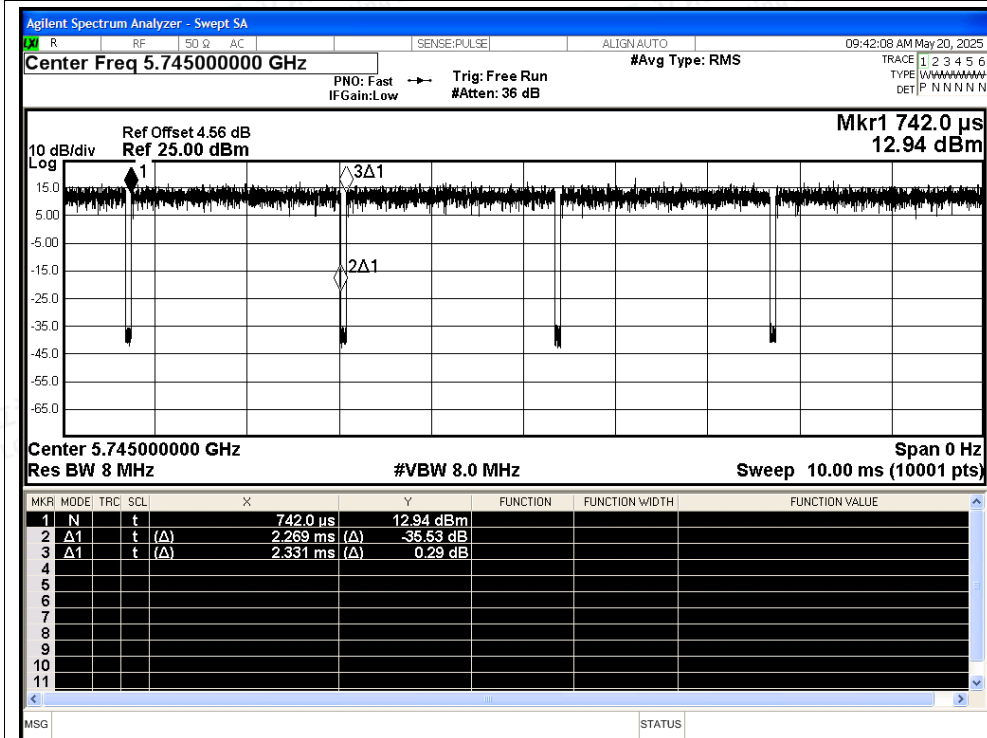
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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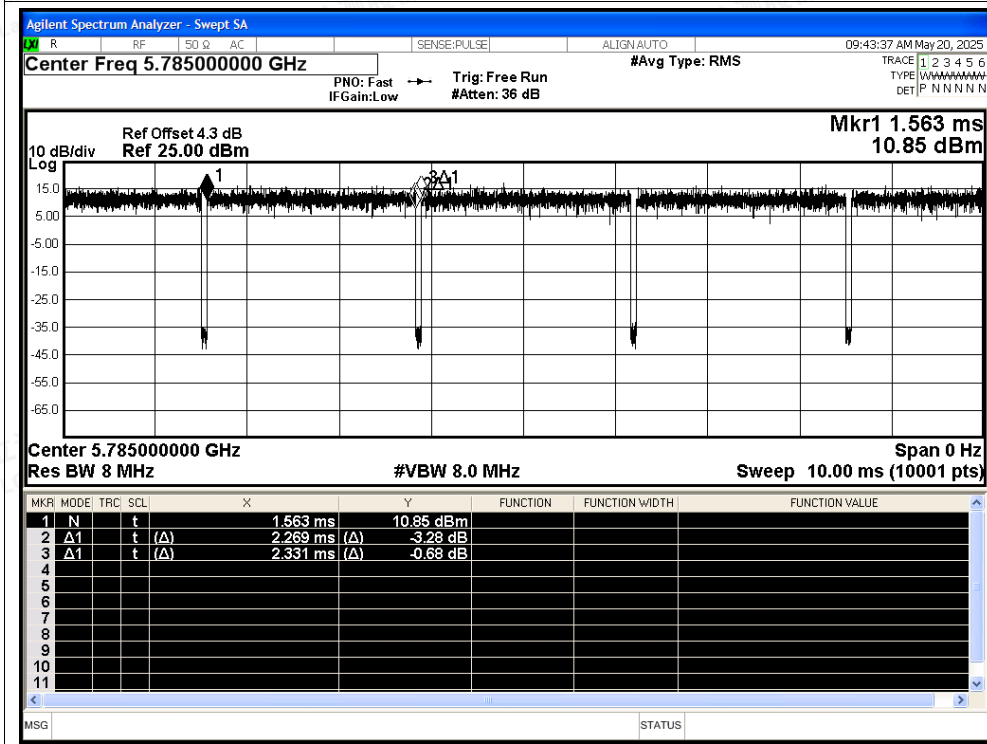
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## Duty Cycle NVNT ac20 5745MHz Ant1



## Duty Cycle NVNT ac20 5785MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

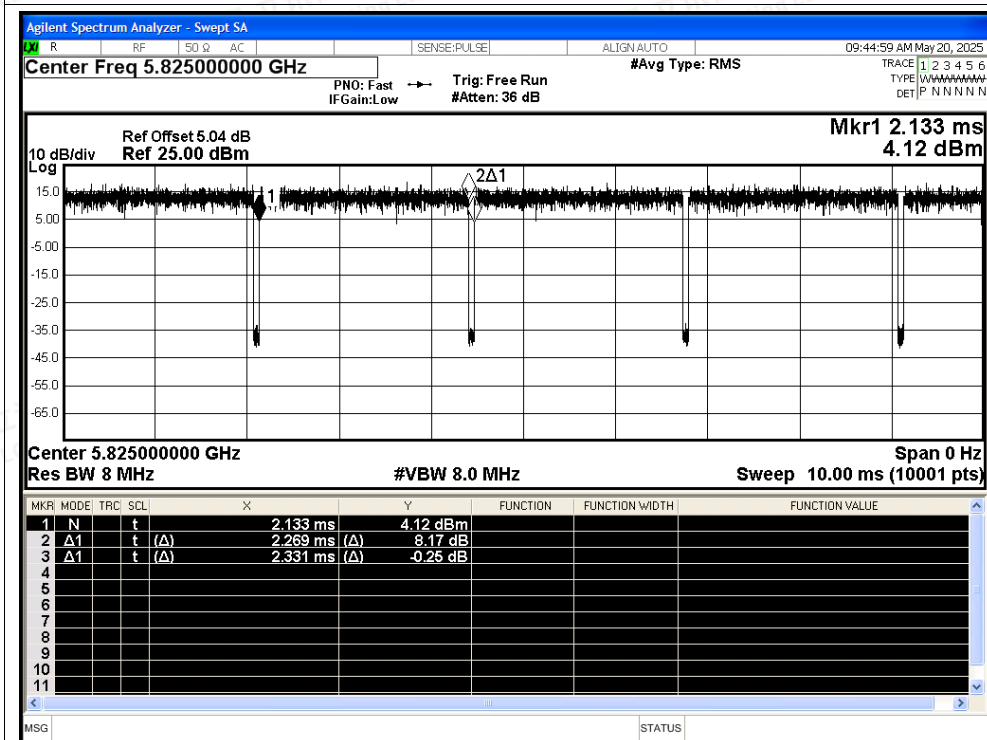
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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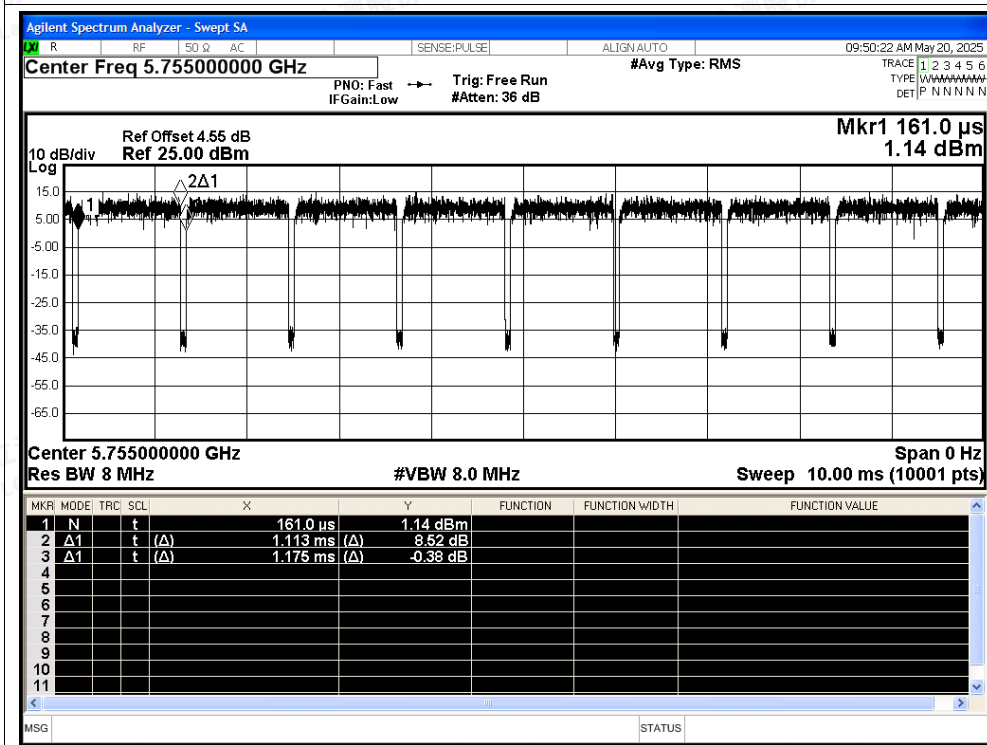
Scan code to check authenticity



## Duty Cycle NVNT ac20 5825MHz Ant1



## Duty Cycle NVNT ac40 5755MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

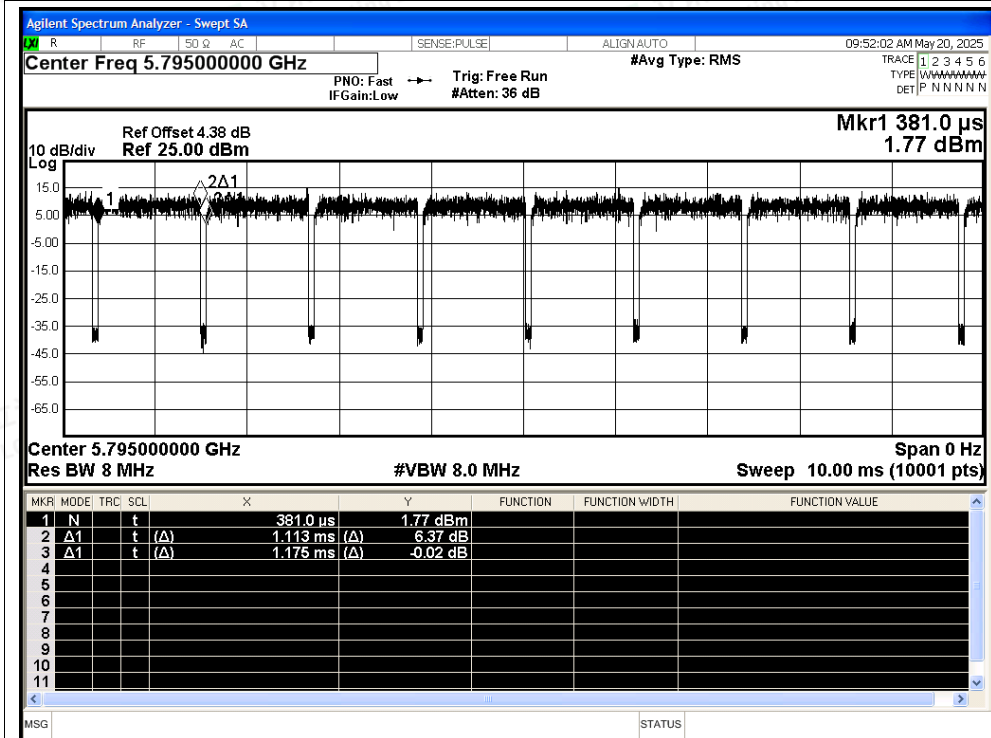
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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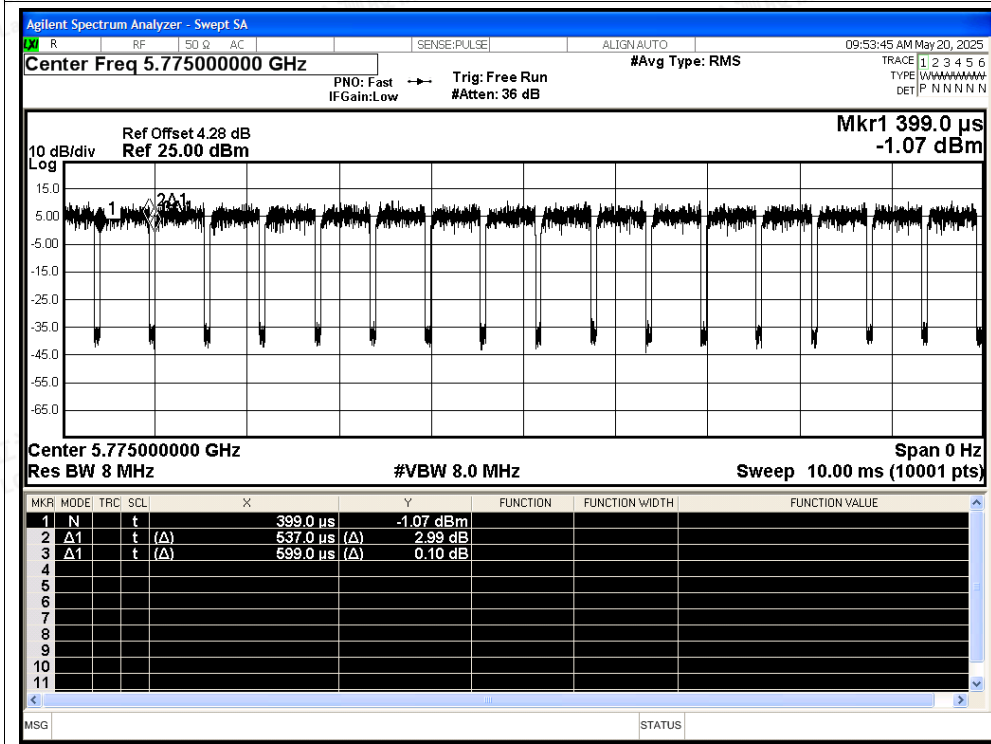
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## Duty Cycle NVNT ac40 5795MHz Ant1



## Duty Cycle NVNT ac80 5775MHz Ant1



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