



## Appendix E

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

Product Name: Mini

Test Model: Lemon TV Mini

#### Environmental Conditions

|                    |            |
|--------------------|------------|
| Temperature:       | 23.8°C     |
| Relative Humidity: | 52.1%      |
| ATM Pressure:      | 100.0 kPa  |
| Test Engineer:     | Paddi Chen |
| Supervised by:     | Nick Peng  |





## E.1 -26dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | a    | 5260            | Ant1    | 26.849                 | ---                          | Pass    |
| NVNT      | a    | 5300            | Ant1    | 26.886                 | ---                          | Pass    |
| NVNT      | a    | 5320            | Ant1    | 25.272                 | ---                          | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 27.778                 | ---                          | Pass    |
| NVNT      | n20  | 5300            | Ant1    | 28.445                 | ---                          | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 26.838                 | ---                          | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 39.449                 | ---                          | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 40.012                 | ---                          | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 26.744                 | ---                          | Pass    |
| NVNT      | ac20 | 5300            | Ant1    | 29.016                 | ---                          | Pass    |
| NVNT      | ac20 | 5320            | Ant1    | 28.103                 | ---                          | Pass    |
| NVNT      | ac40 | 5270            | Ant1    | 41.074                 | ---                          | Pass    |
| NVNT      | ac40 | 5310            | Ant1    | 43.311                 | ---                          | Pass    |
| NVNT      | ac80 | 5290            | Ant1    | 79.63                  | ---                          | Pass    |
| NVNT      | ax20 | 5260            | Ant1    | 26.752                 | ---                          | Pass    |
| NVNT      | ax20 | 5300            | Ant1    | 29.117                 | ---                          | Pass    |
| NVNT      | ax20 | 5320            | Ant1    | 27.838                 | ---                          | Pass    |
| NVNT      | ax40 | 5270            | Ant1    | 44.751                 | ---                          | Pass    |
| NVNT      | ax40 | 5310            | Ant1    | 42.999                 | ---                          | Pass    |
| NVNT      | ax80 | 5290            | Ant1    | 78.46                  | ---                          | Pass    |



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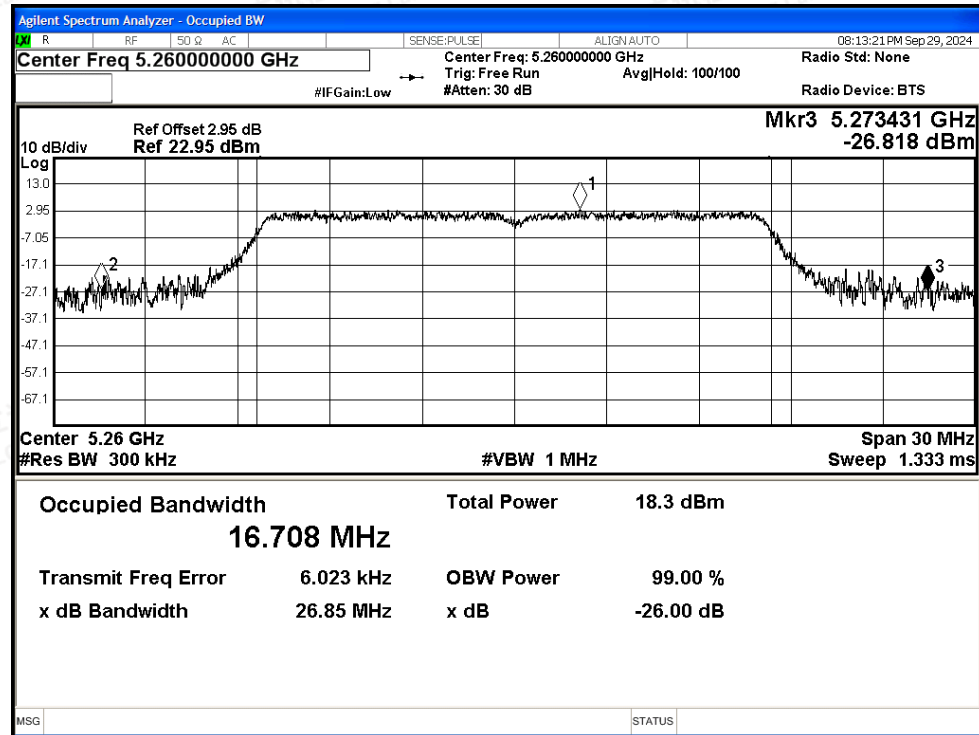
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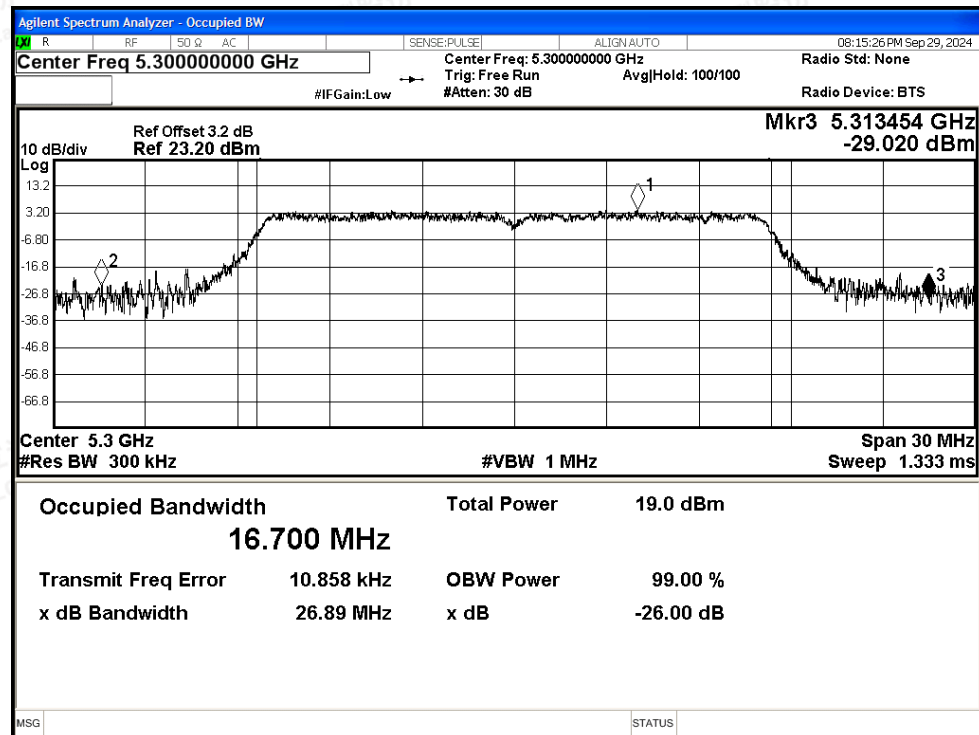


## Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1



-26dB Bandwidth NVNT a 5300MHz Ant1

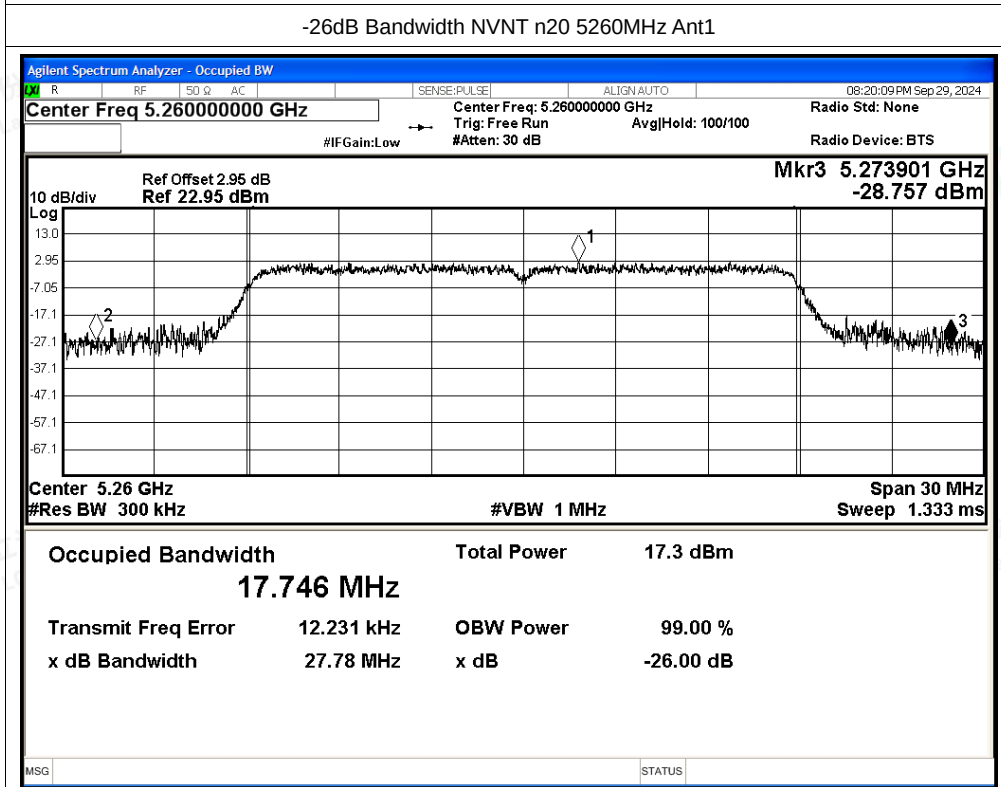
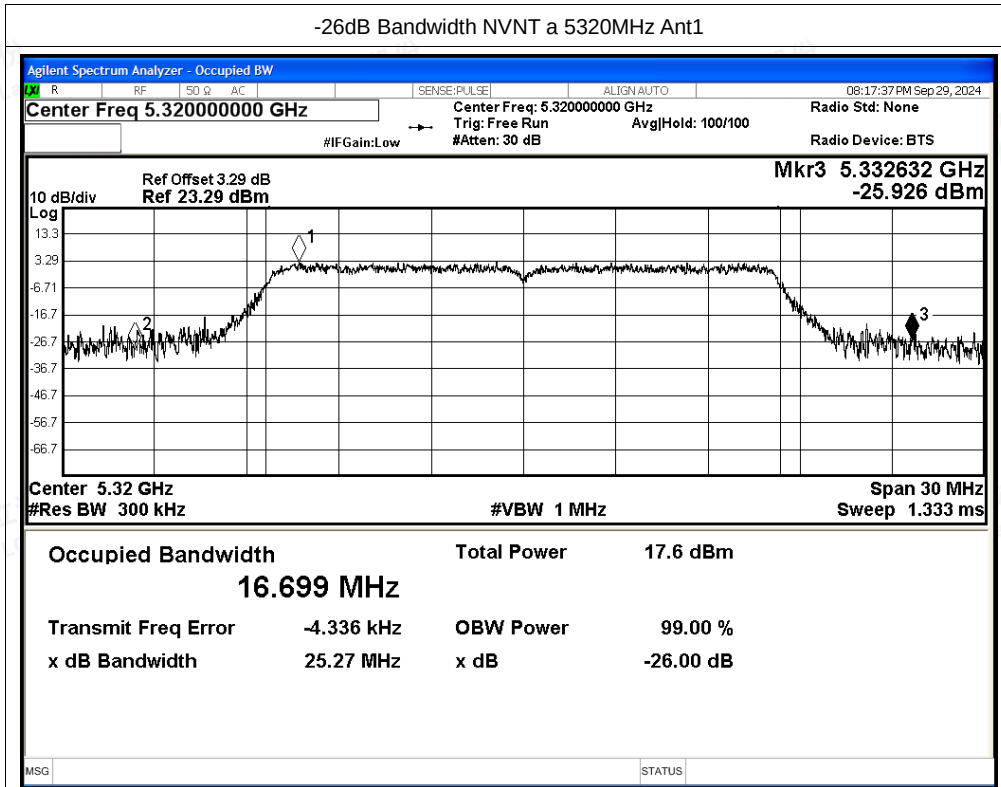


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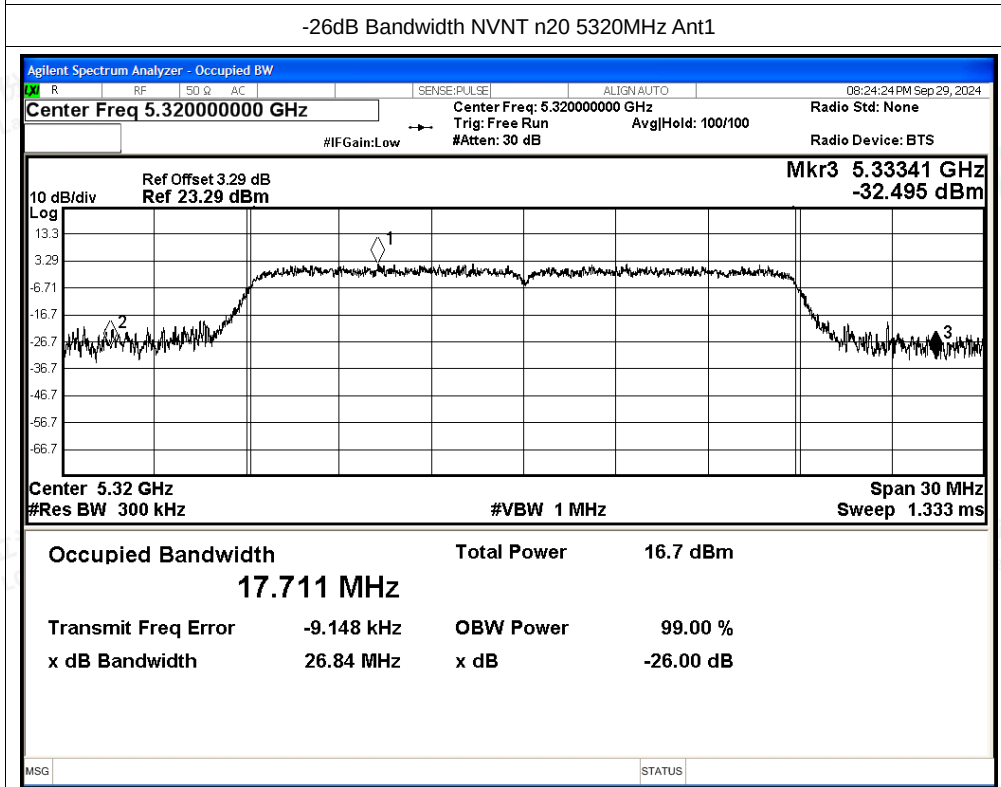
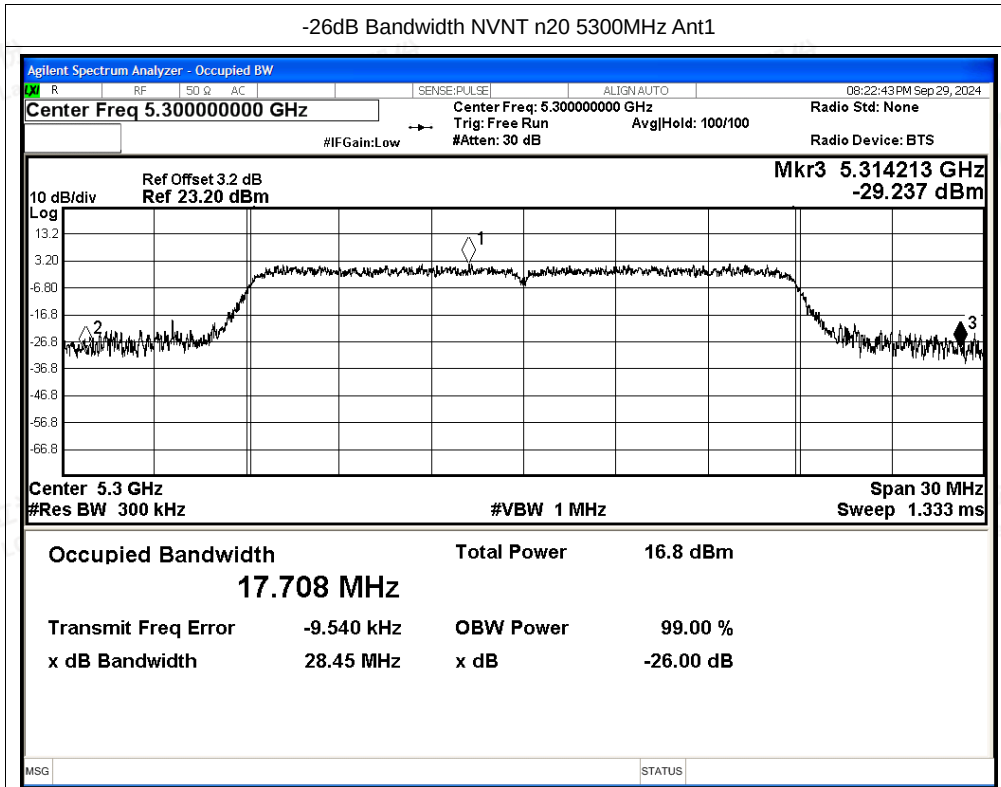


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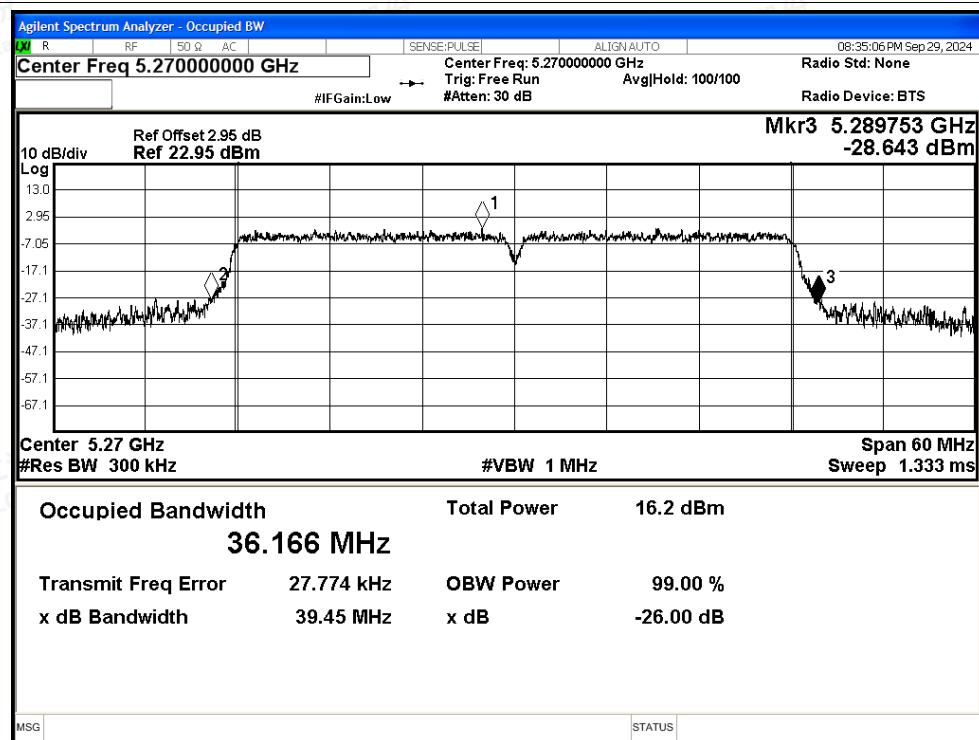
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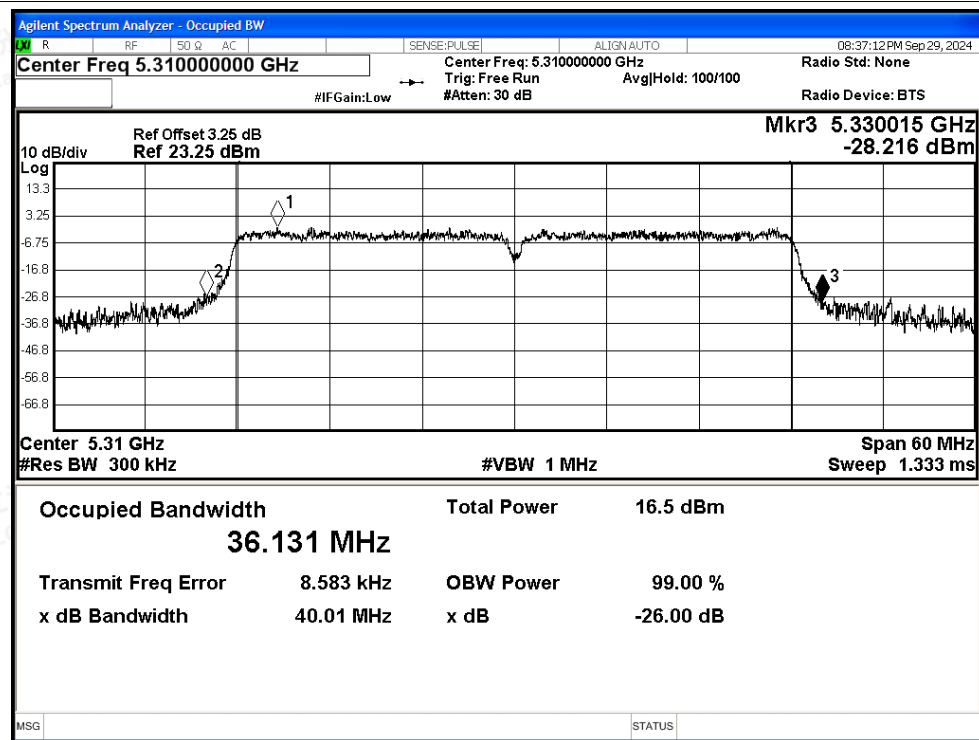
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## -26dB Bandwidth NVNT n40 5270MHz Ant1



## -26dB Bandwidth NVNT n40 5310MHz Ant1



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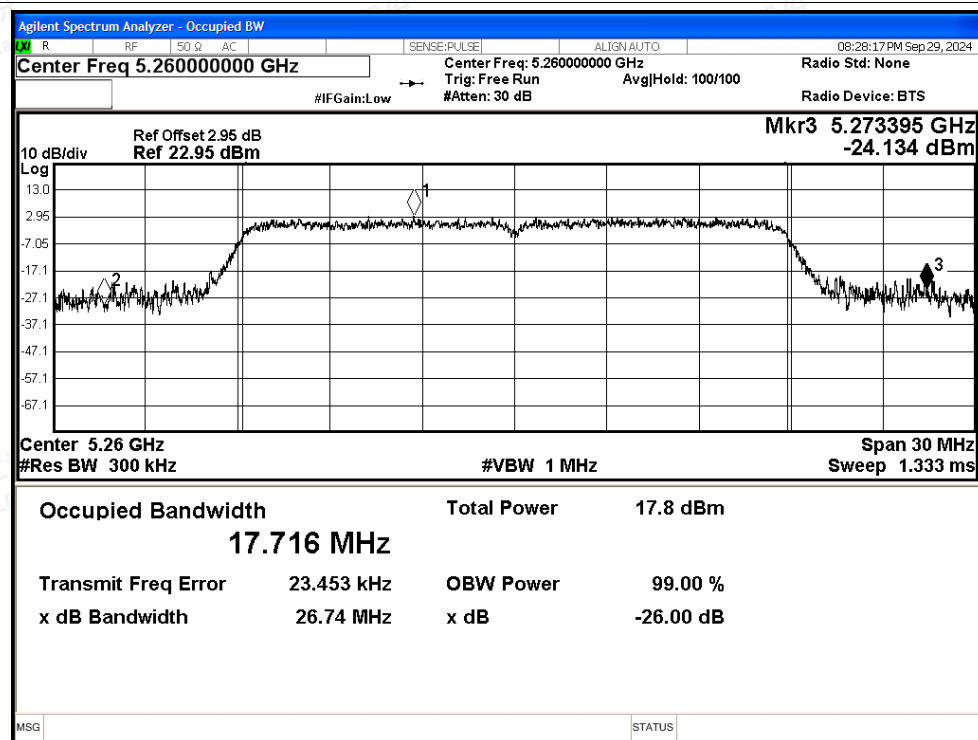
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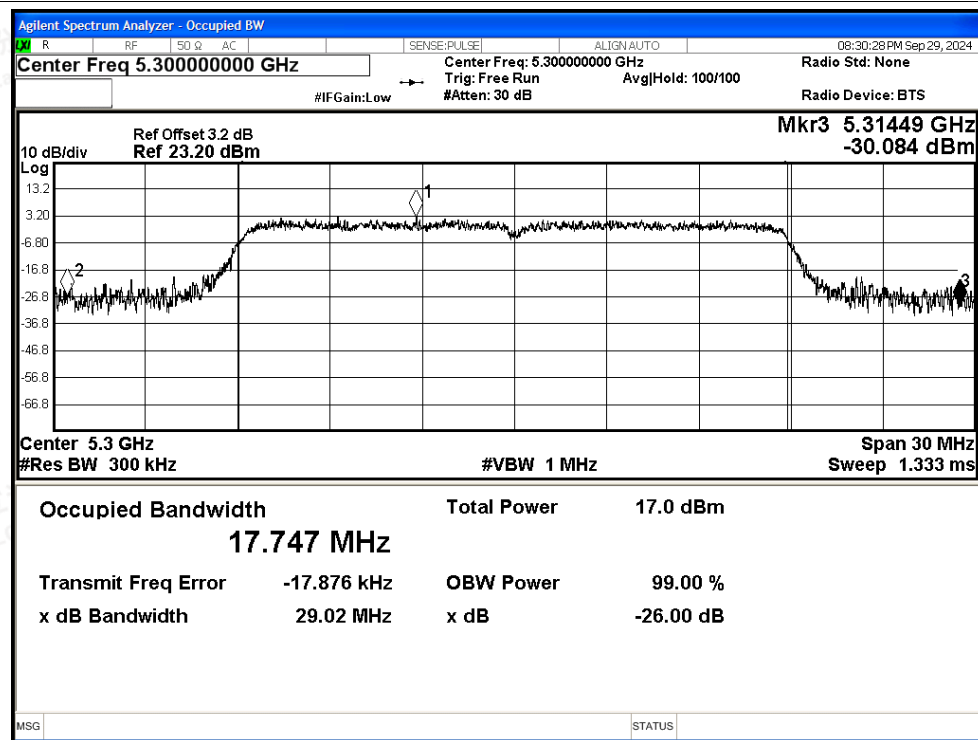
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## -26dB Bandwidth NVNT ac20 5260MHz Ant1



## -26dB Bandwidth NVNT ac20 5300MHz Ant1



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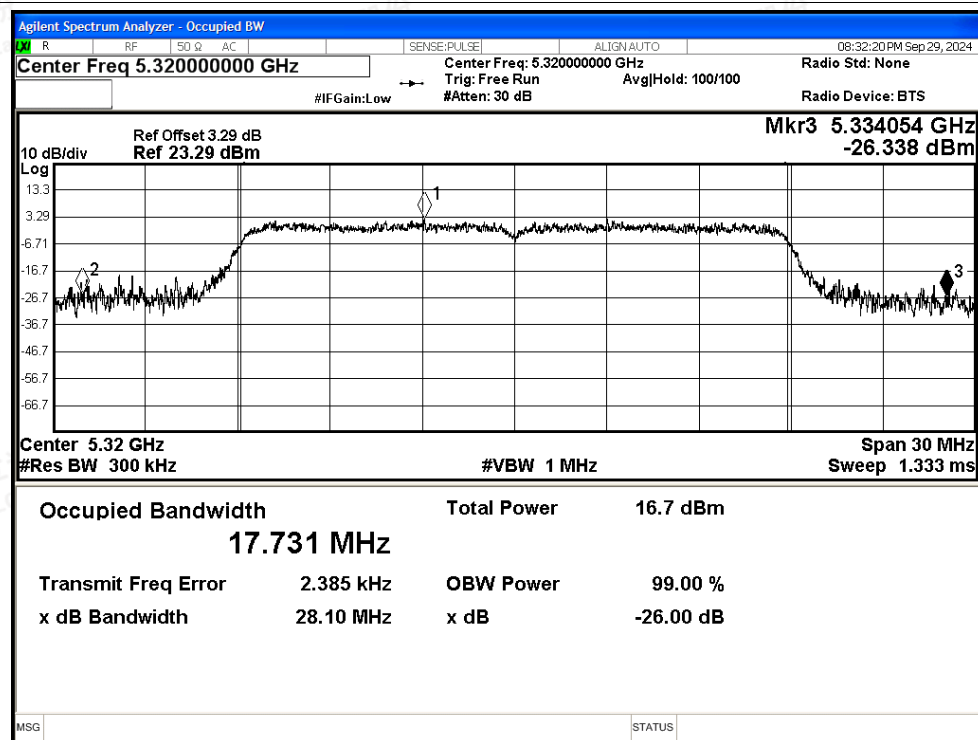
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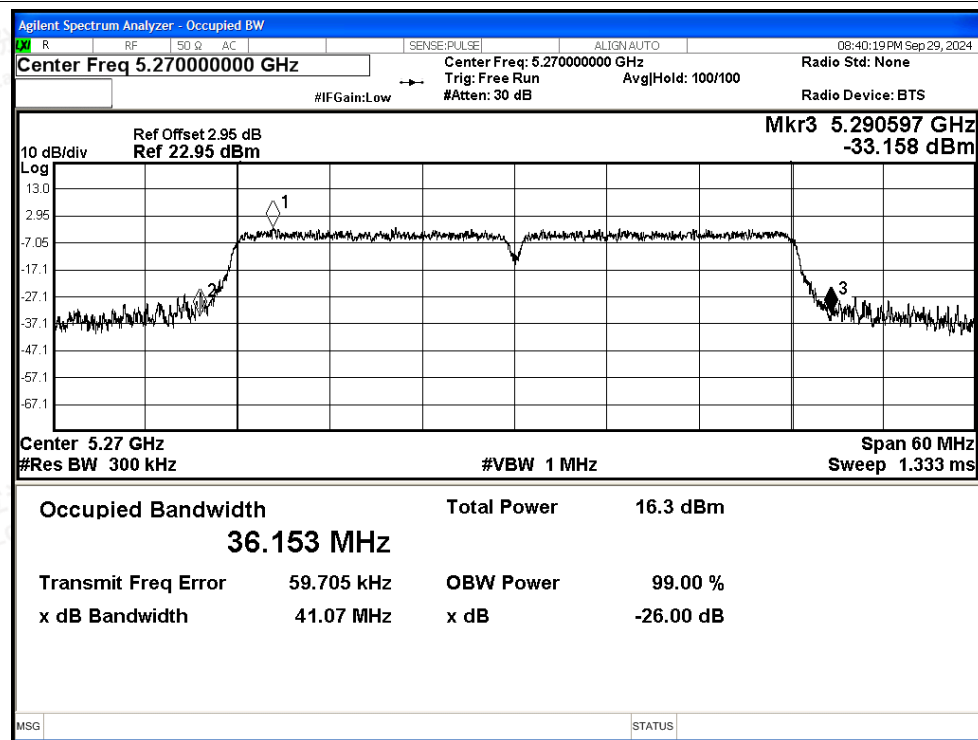
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## -26dB Bandwidth NVNT ac20 5320MHz Ant1



## -26dB Bandwidth NVNT ac40 5270MHz Ant1



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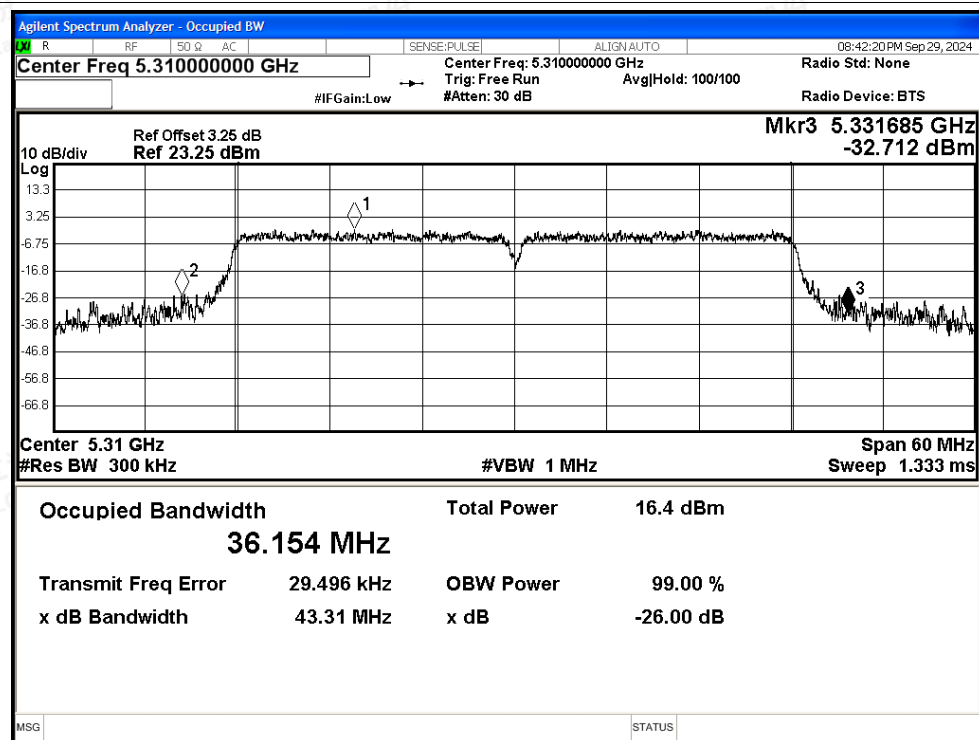
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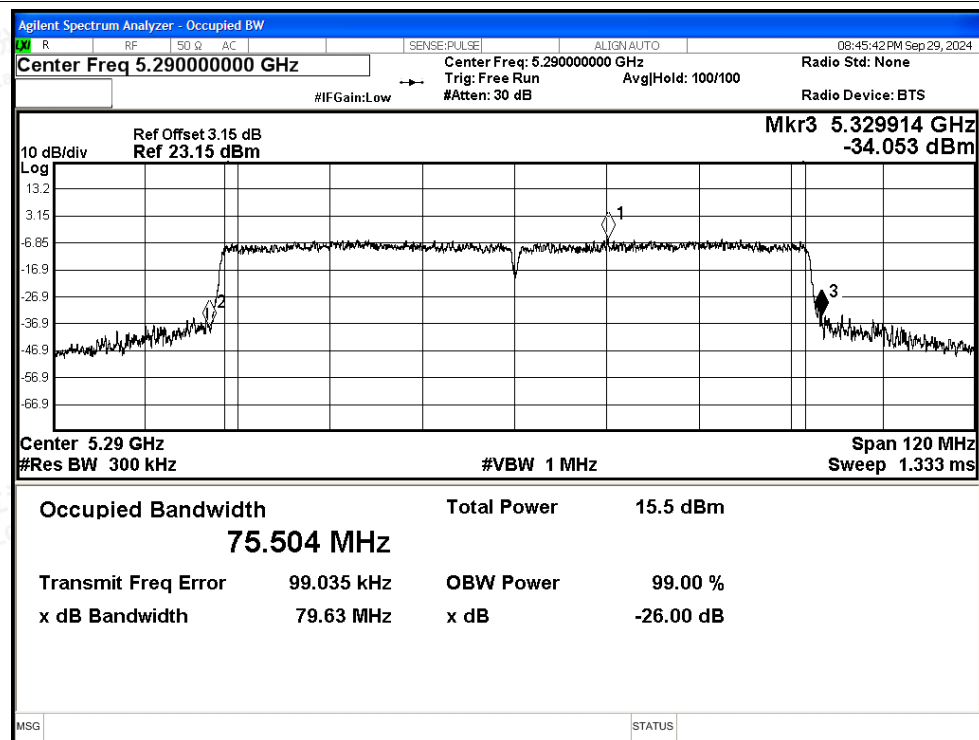
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## -26dB Bandwidth NVNT ac40 5310MHz Ant1



## -26dB Bandwidth NVNT ac80 5290MHz Ant1



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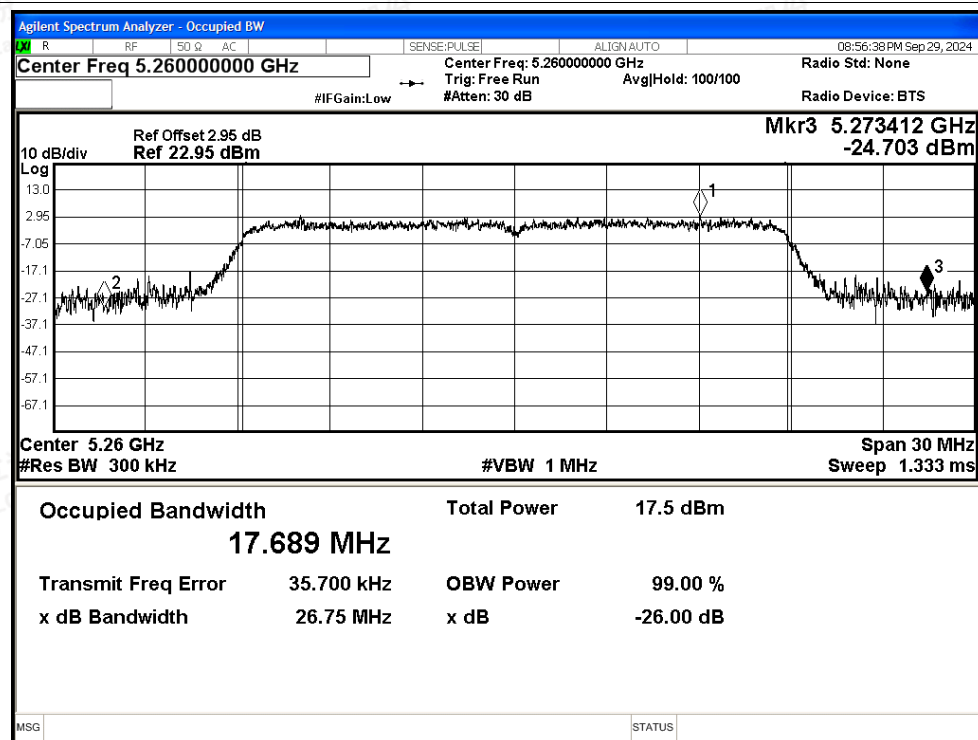
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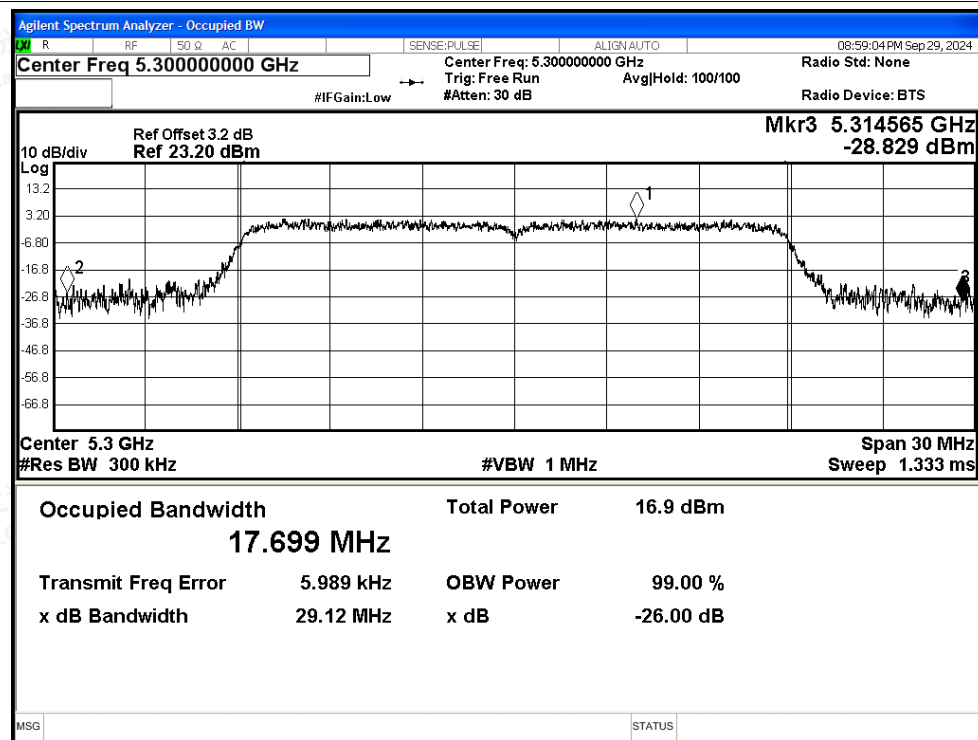
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## -26dB Bandwidth NVNT ax20 5260MHz Ant1



## -26dB Bandwidth NVNT ax20 5300MHz Ant1



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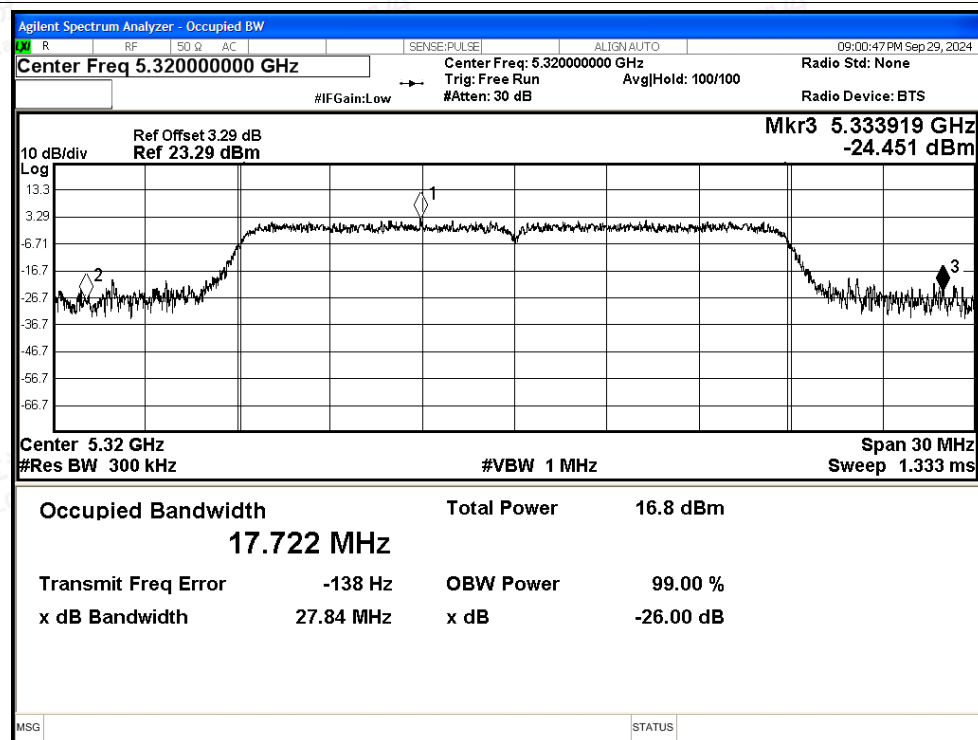
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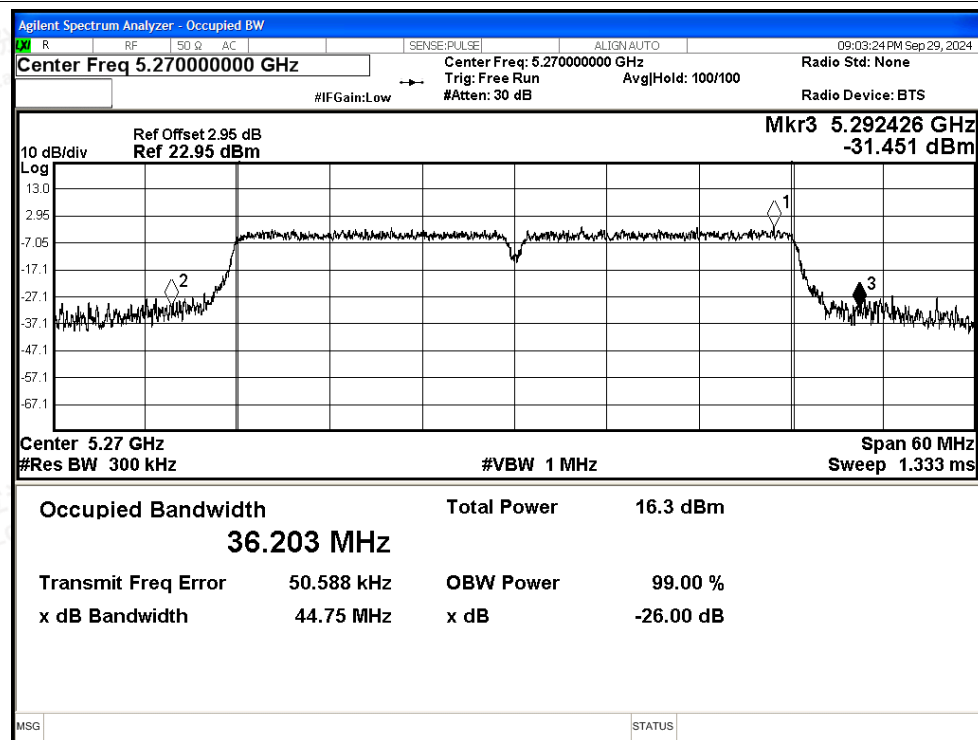
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## -26dB Bandwidth NVNT ax20 5320MHz Ant1



## -26dB Bandwidth NVNT ax40 5270MHz Ant1



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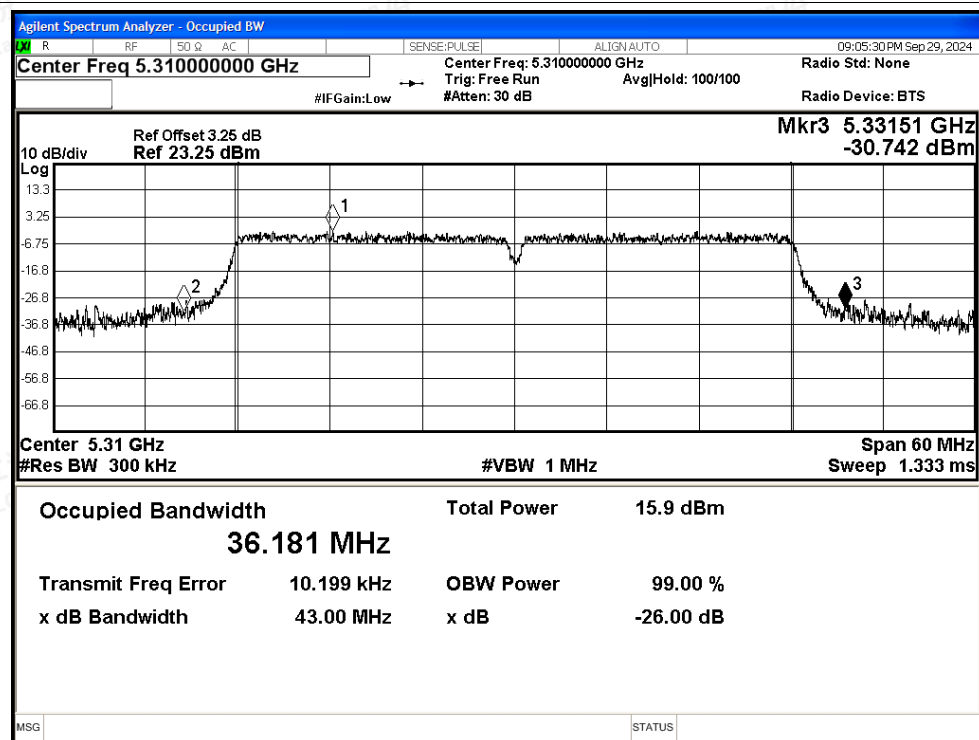
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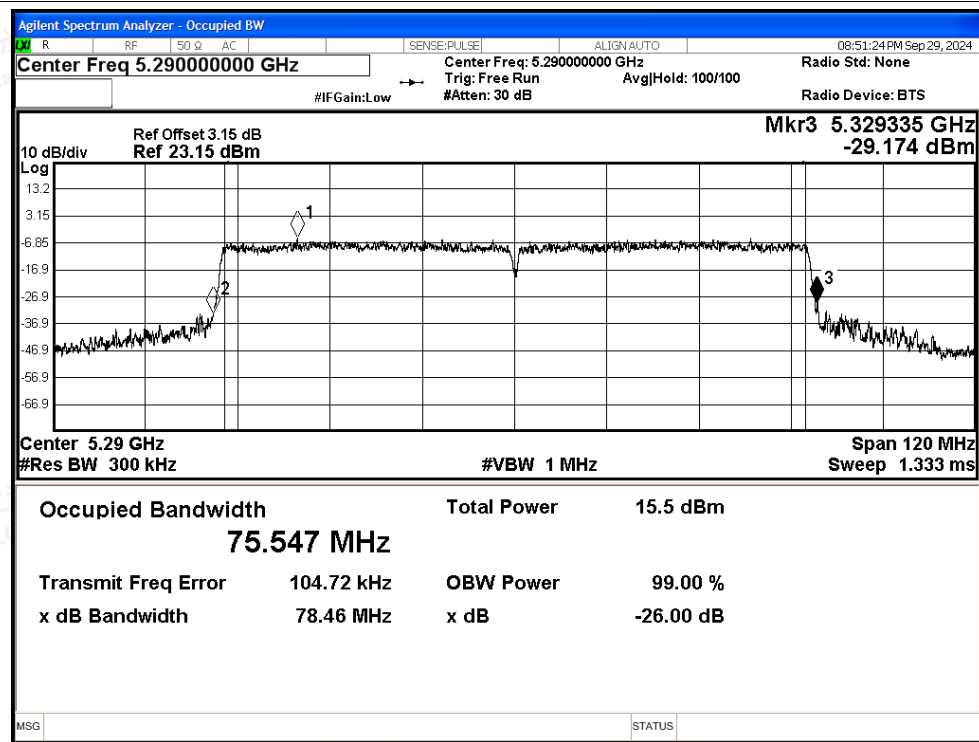
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## -26dB Bandwidth NVNT ax40 5310MHz Ant1



## -26dB Bandwidth NVNT ax80 5290MHz 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    | 5260            | Ant1    | 12.58                 | 0.24             | 12.82             | 24          | Pass    |
| NVNT      | a    | 5300            | Ant1    | 12.06                 | 0.24             | 12.3              | 24          | Pass    |
| NVNT      | a    | 5320            | Ant1    | 11.93                 | 0.24             | 12.17             | 24          | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 11.79                 | 0.12             | 11.91             | 24          | Pass    |
| NVNT      | n20  | 5300            | Ant1    | 11.3                  | 0.12             | 11.42             | 24          | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 11.22                 | 0.12             | 11.34             | 24          | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 10.36                 | 0.12             | 10.48             | 24          | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 11.06                 | 0.12             | 11.18             | 24          | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 11.82                 | 0.12             | 11.94             | 24          | Pass    |
| NVNT      | ac20 | 5300            | Ant1    | 11.33                 | 0.12             | 11.45             | 24          | Pass    |
| NVNT      | ac20 | 5320            | Ant1    | 11.15                 | 0.12             | 11.27             | 24          | Pass    |
| NVNT      | ac40 | 5270            | Ant1    | 10.34                 | 0.12             | 10.46             | 24          | Pass    |
| NVNT      | ac40 | 5310            | Ant1    | 9.9                   | 0.12             | 10.02             | 24          | Pass    |
| NVNT      | ac80 | 5290            | Ant1    | 9.57                  | 0.25             | 9.82              | 24          | Pass    |
| NVNT      | ax20 | 5260            | Ant1    | 11.9                  | 0.12             | 12.02             | 24          | Pass    |
| NVNT      | ax20 | 5300            | Ant1    | 11.36                 | 0.12             | 11.48             | 24          | Pass    |
| NVNT      | ax20 | 5320            | Ant1    | 11.42                 | 0.12             | 11.54             | 24          | Pass    |
| NVNT      | ax40 | 5270            | Ant1    | 10.56                 | 0.12             | 10.68             | 24          | Pass    |
| NVNT      | ax40 | 5310            | Ant1    | 10.02                 | 0.12             | 10.14             | 24          | Pass    |
| NVNT      | ax80 | 5290            | Ant1    | 9.66                  | 0.25             | 9.91              | 24          | Pass    |





### E.3 Maximum Power Spectral Density Level

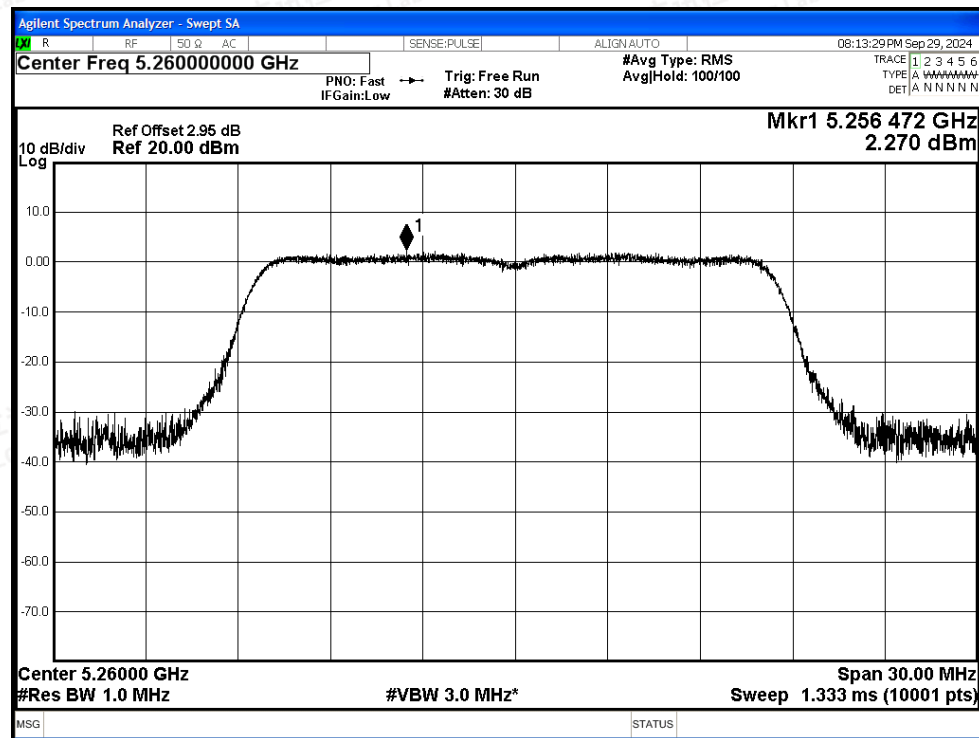
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/MHz) | Duty Factor (dB) | Total PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------|-------------------------|------------------|---------------------|-----------------|---------|
| NVNT      | a    | 5260            | Ant1    | 2.27                    | 0.24             | 2.51                | 11              | Pass    |
| NVNT      | a    | 5300            | Ant1    | 2.78                    | 0.24             | 3.02                | 11              | Pass    |
| NVNT      | a    | 5320            | Ant1    | 1.43                    | 0.24             | 1.67                | 11              | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 1.17                    | 0.12             | 1.29                | 11              | Pass    |
| NVNT      | n20  | 5300            | Ant1    | 0.5                     | 0.12             | 0.62                | 11              | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 0.35                    | 0.12             | 0.47                | 11              | Pass    |
| NVNT      | n40  | 5270            | Ant1    | -3.06                   | 0.12             | -2.94               | 11              | Pass    |
| NVNT      | n40  | 5310            | Ant1    | -2.89                   | 0.12             | -2.77               | 11              | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 1.41                    | 0.12             | 1.53                | 11              | Pass    |
| NVNT      | ac20 | 5300            | Ant1    | 0.52                    | 0.12             | 0.64                | 11              | Pass    |
| NVNT      | ac20 | 5320            | Ant1    | 0.85                    | 0.12             | 0.97                | 11              | Pass    |
| NVNT      | ac40 | 5270            | Ant1    | -2.89                   | 0.12             | -2.77               | 11              | Pass    |
| NVNT      | ac40 | 5310            | Ant1    | -3.21                   | 0.12             | -3.09               | 11              | Pass    |
| NVNT      | ac80 | 5290            | Ant1    | -7.1                    | 0.25             | -6.85               | 11              | Pass    |
| NVNT      | ax20 | 5260            | Ant1    | 1.06                    | 0.12             | 1.18                | 11              | Pass    |
| NVNT      | ax20 | 5300            | Ant1    | 0.91                    | 0.12             | 1.03                | 11              | Pass    |
| NVNT      | ax20 | 5320            | Ant1    | 0.7                     | 0.12             | 0.82                | 11              | Pass    |
| NVNT      | ax40 | 5270            | Ant1    | -3.34                   | 0.12             | -3.22               | 11              | Pass    |
| NVNT      | ax40 | 5310            | Ant1    | -3.64                   | 0.12             | -3.52               | 11              | Pass    |
| NVNT      | ax80 | 5290            | Ant1    | -7.25                   | 0.25             | -7                  | 11              | Pass    |



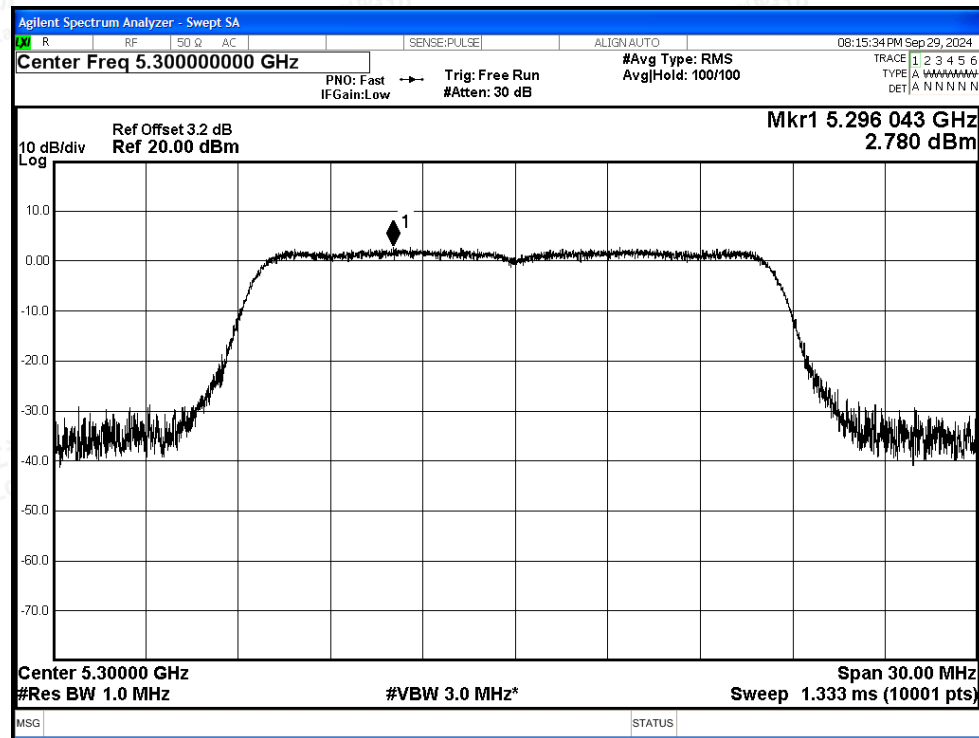


## Test Graphs

PSD NVNT a 5260MHz Ant1



PSD NVNT a 5300MHz Ant1



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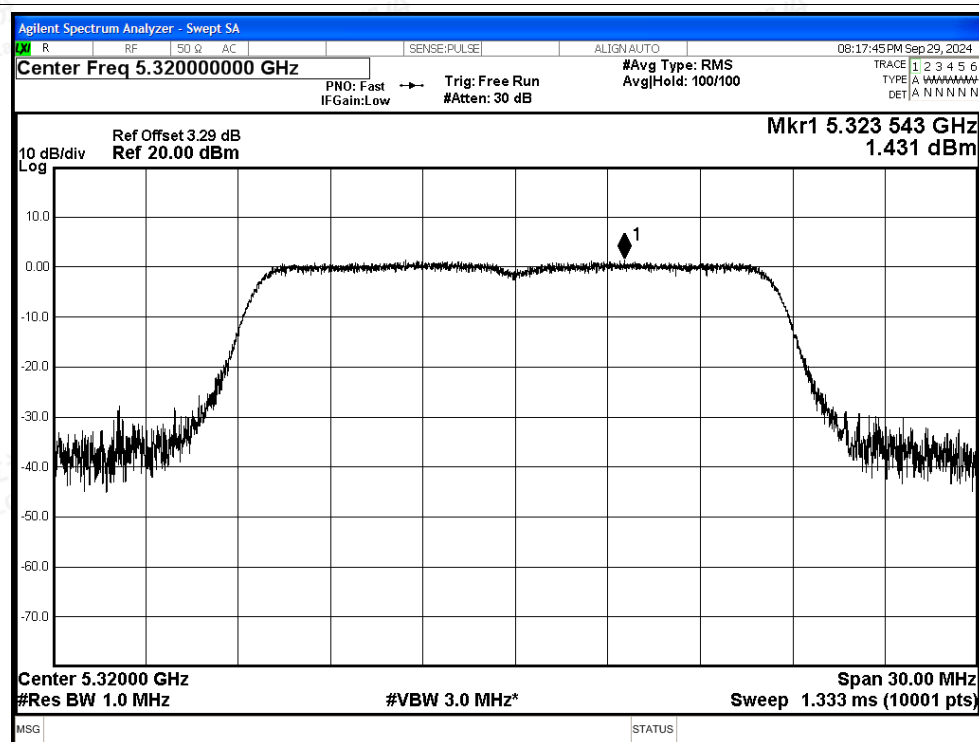
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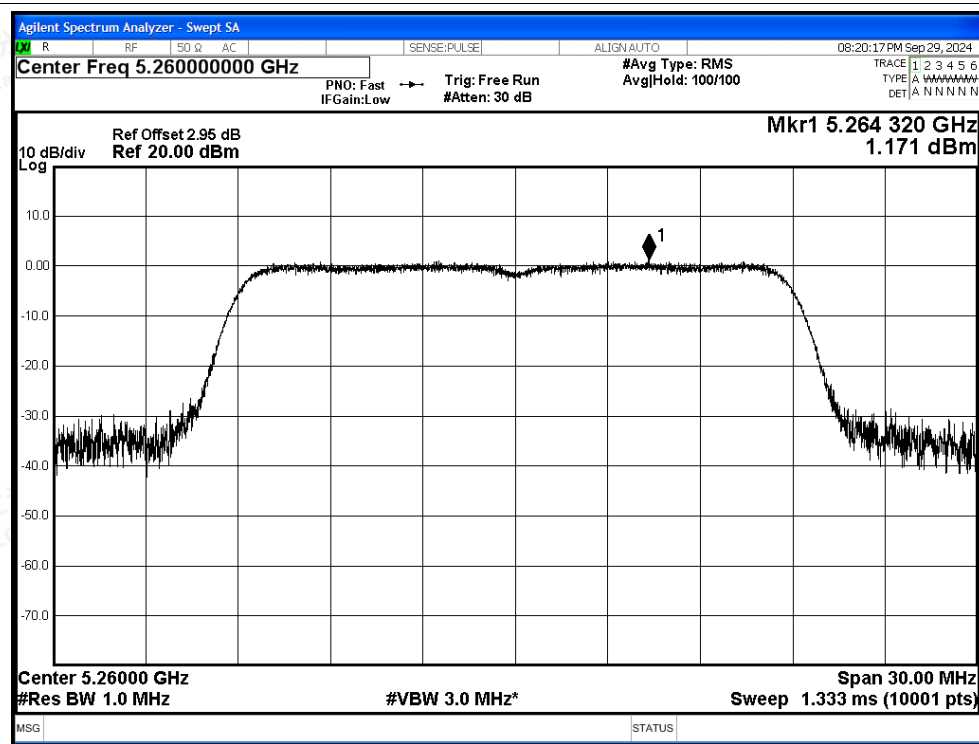
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PSD NVNT a 5320MHz Ant1



PSD NVNT n20 5260MHz Ant1

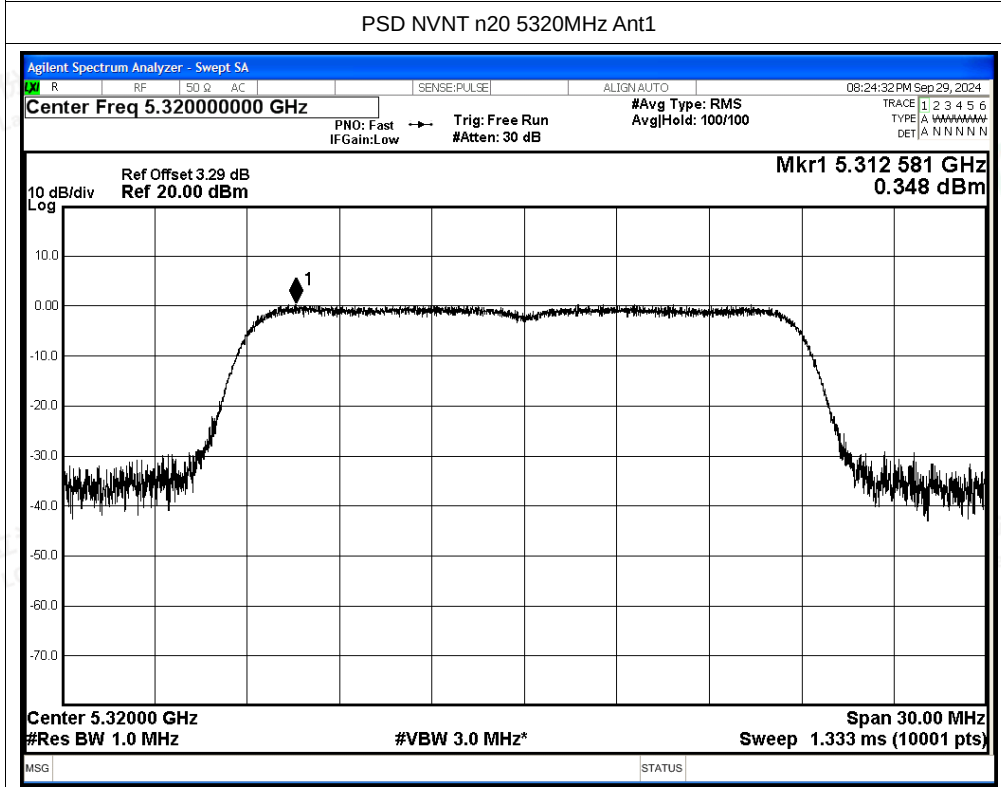
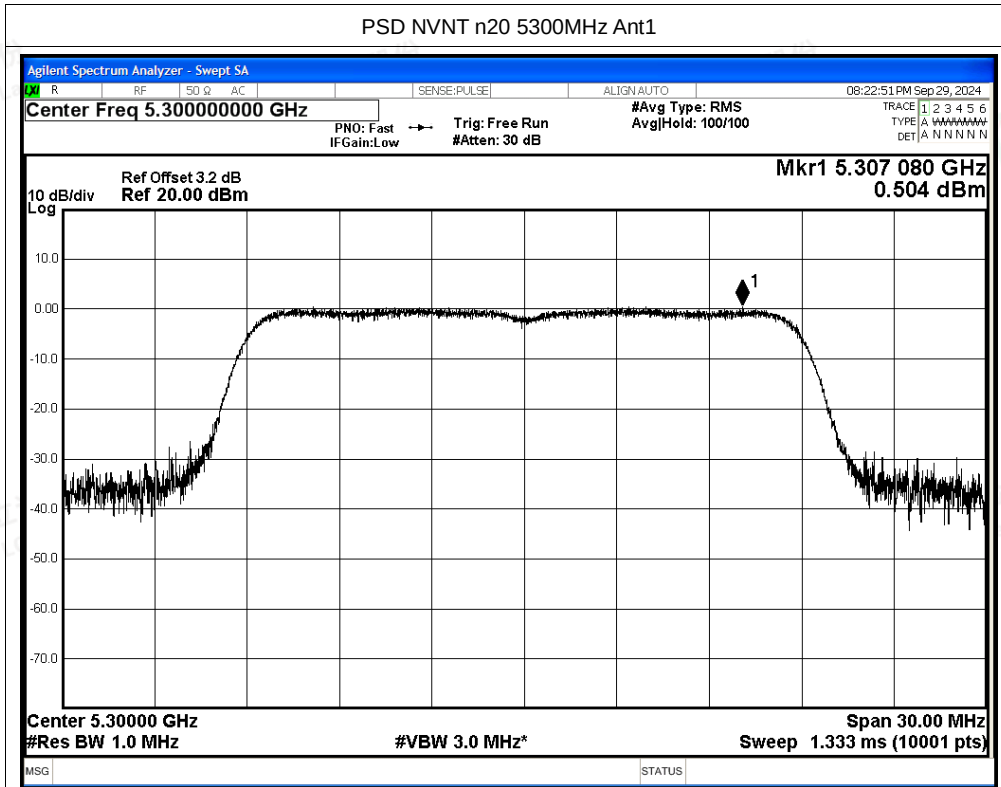


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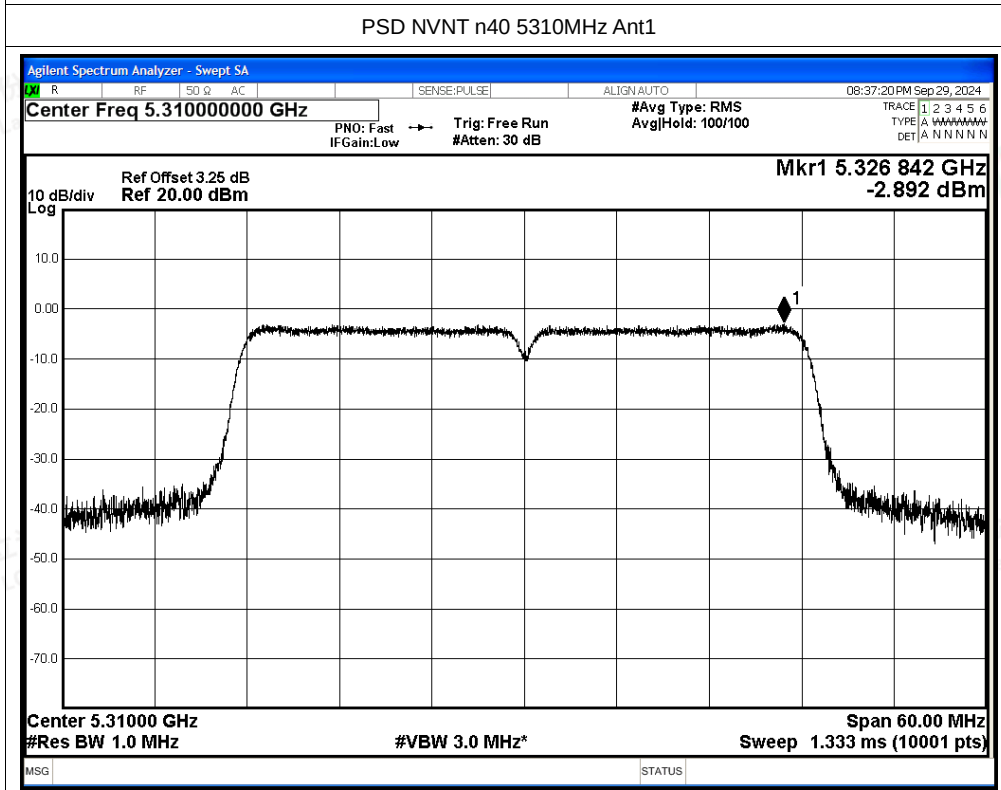
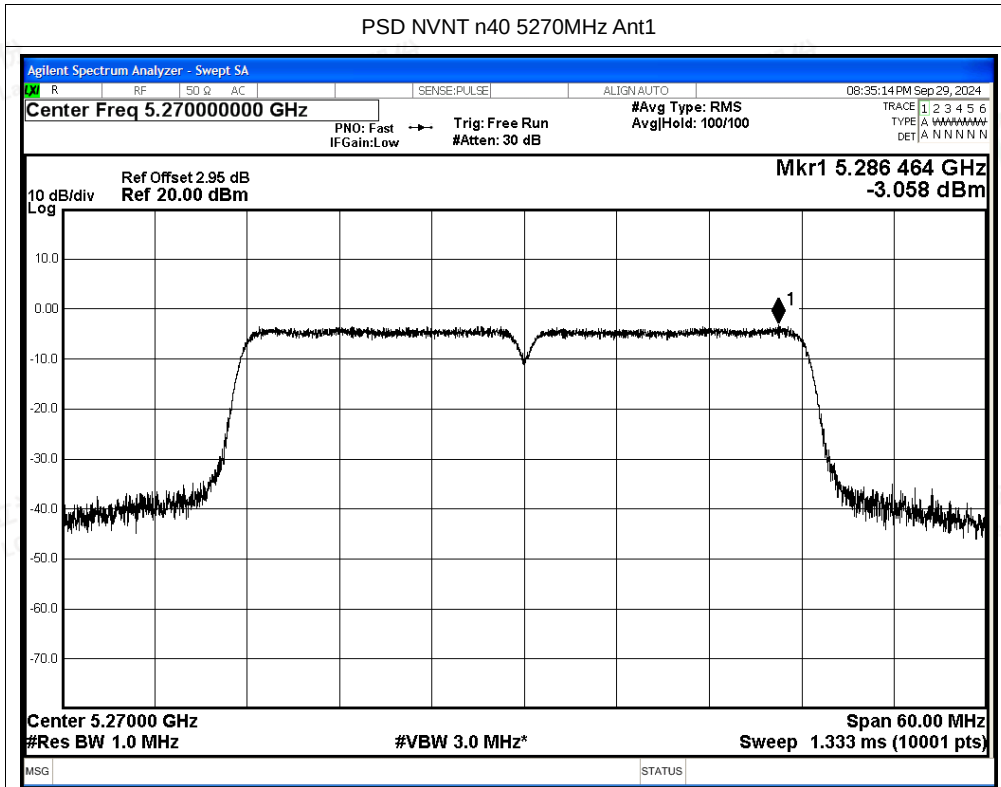


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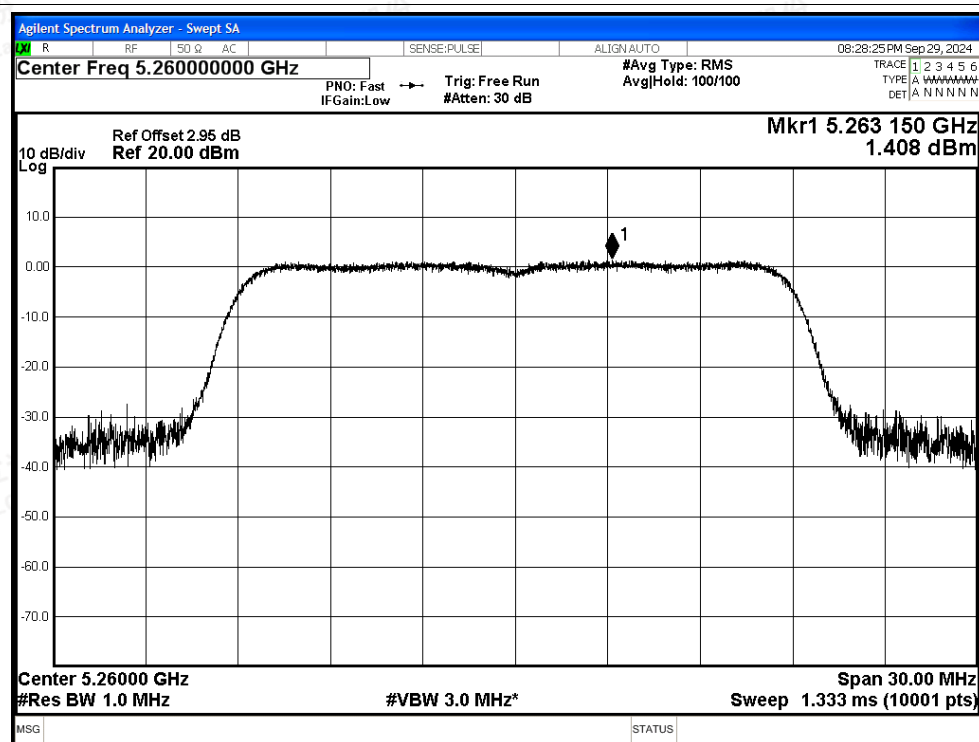
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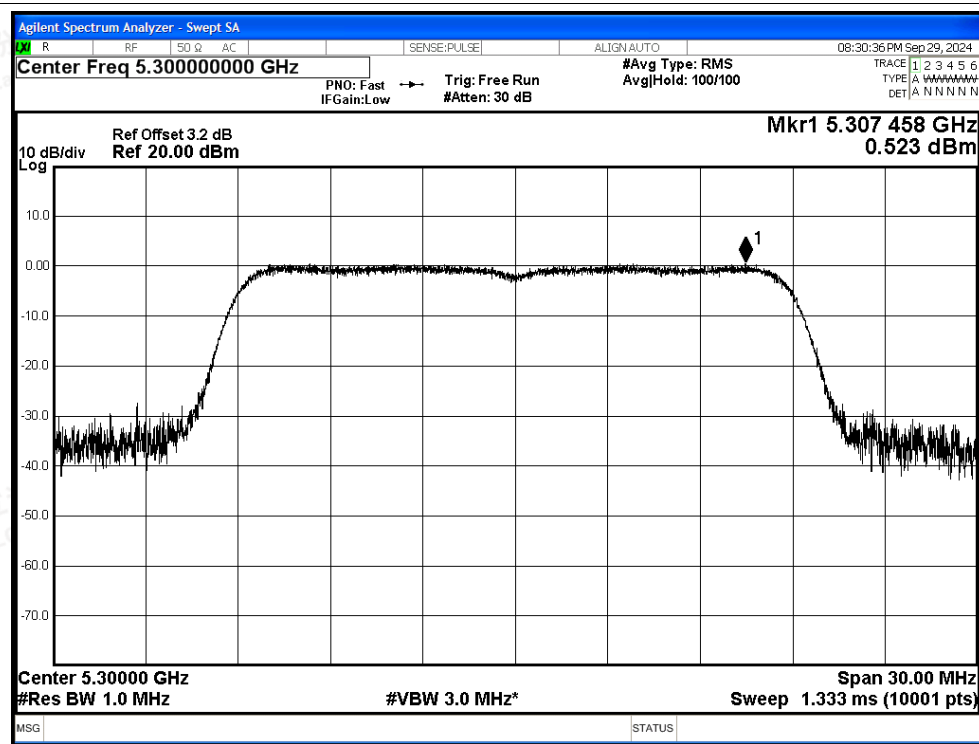
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PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5300MHz Ant1



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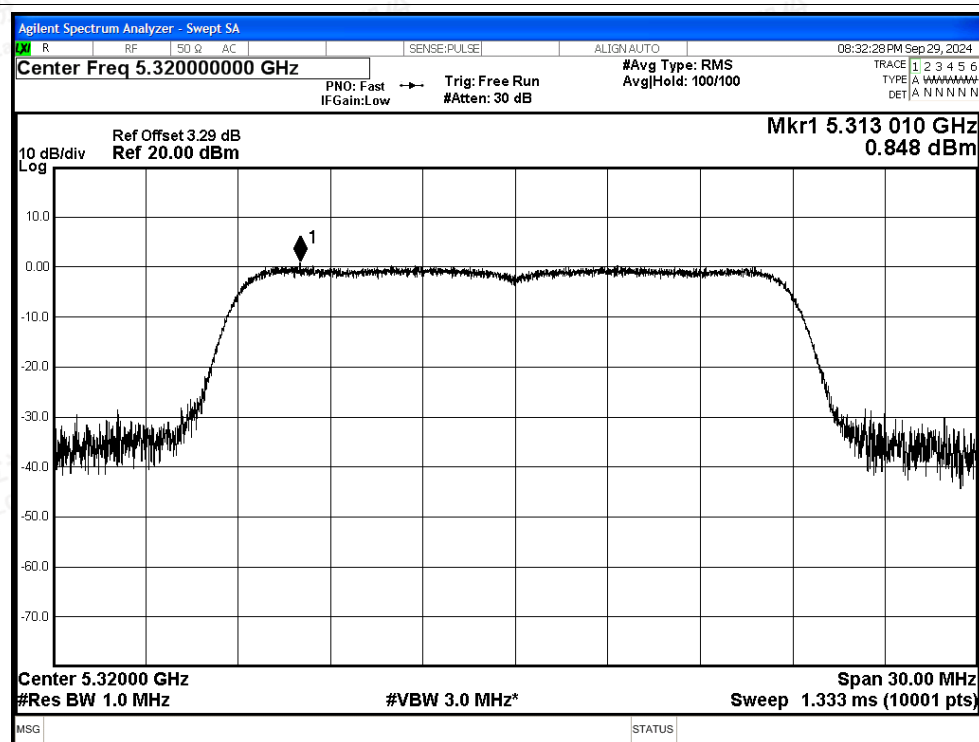
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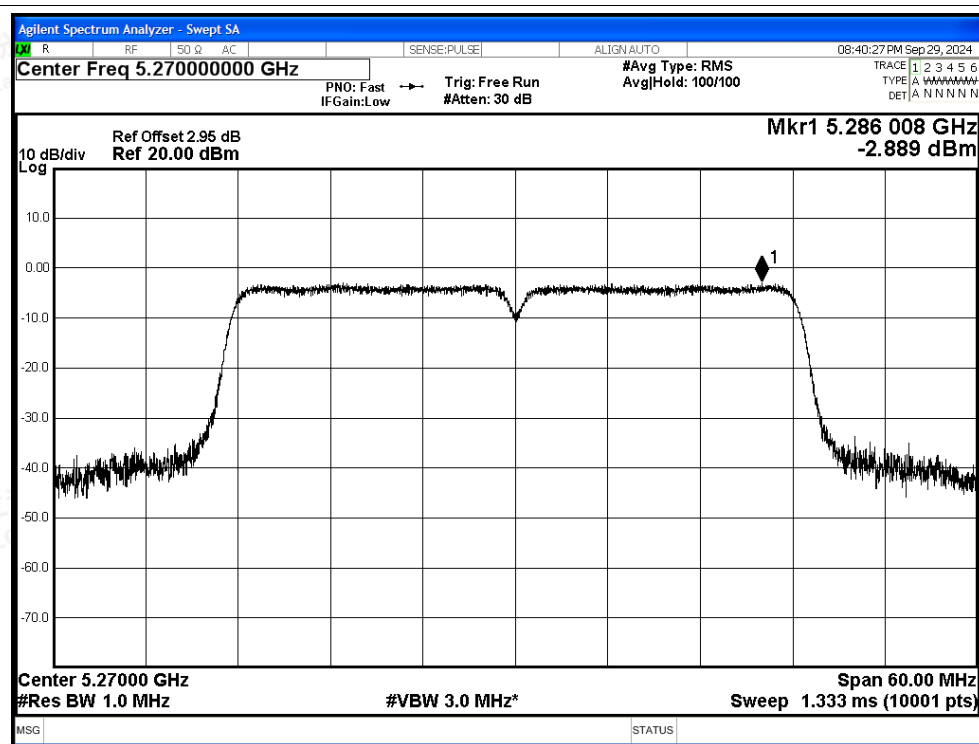
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PSD NVNT ac20 5320MHz Ant1



PSD NVNT ac40 5270MHz Ant1



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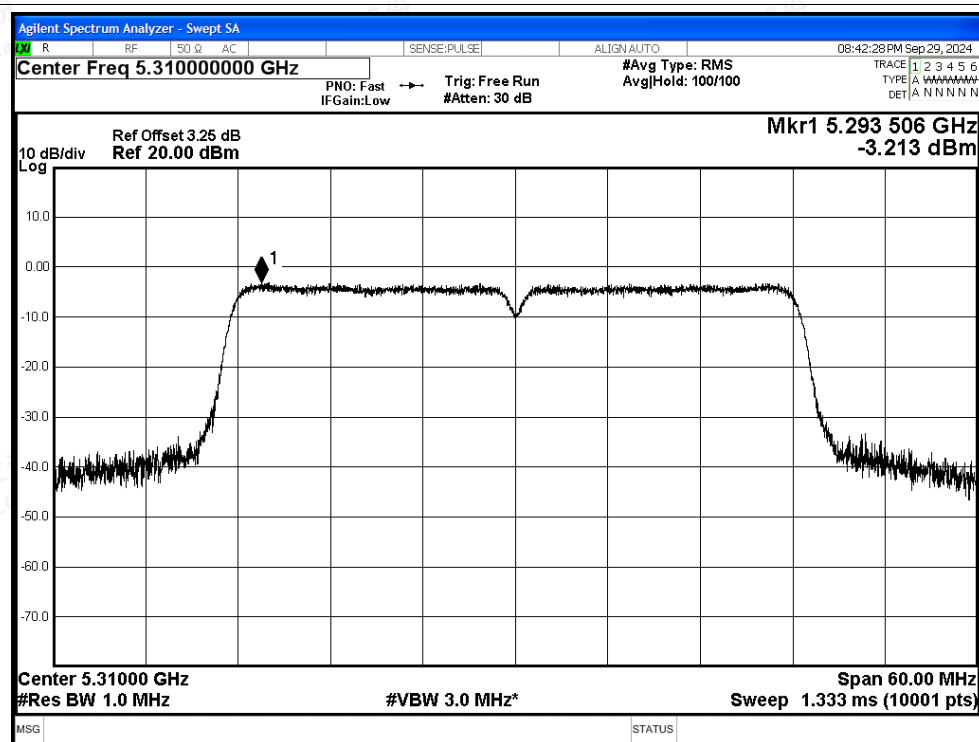
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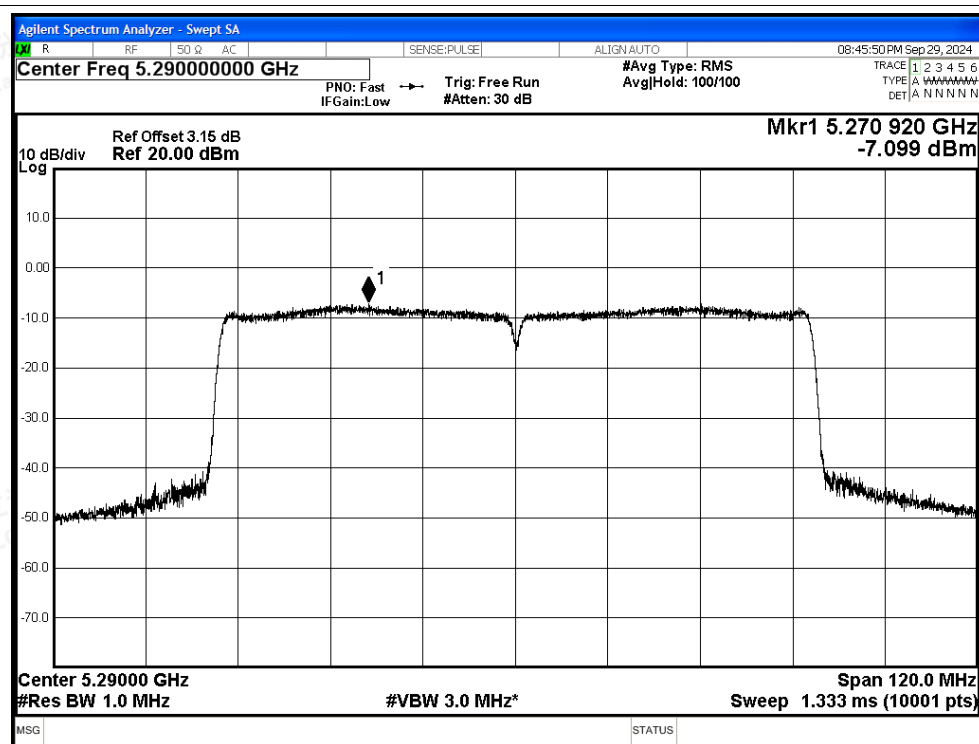
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PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac80 5290MHz Ant1

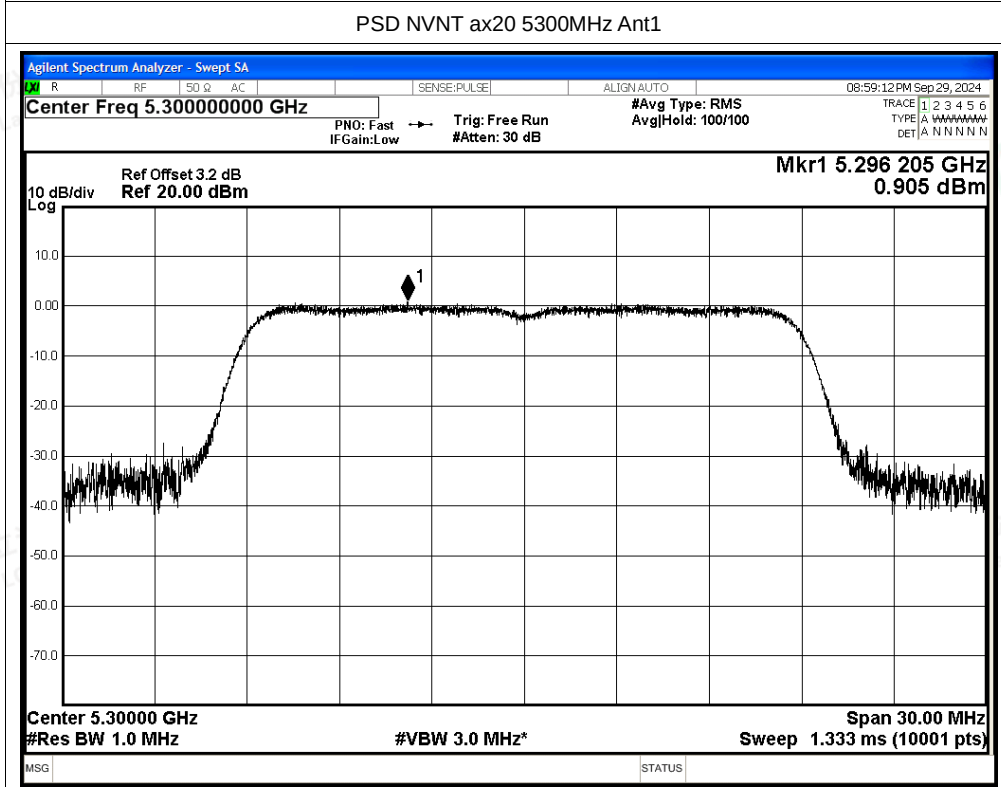
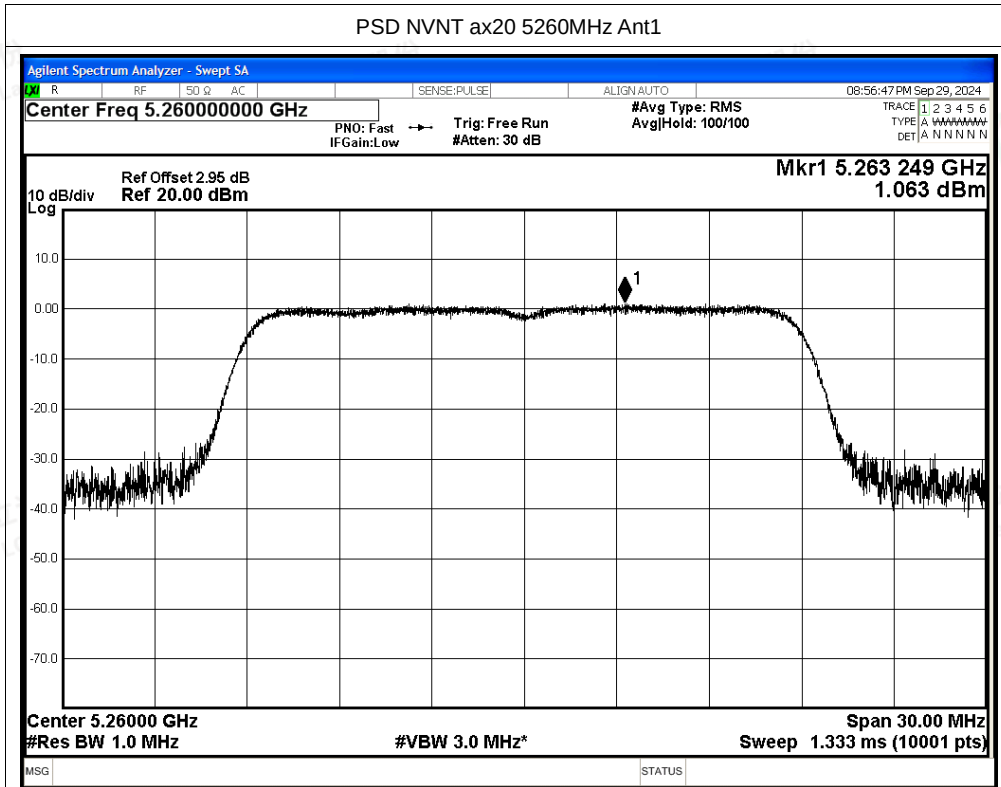


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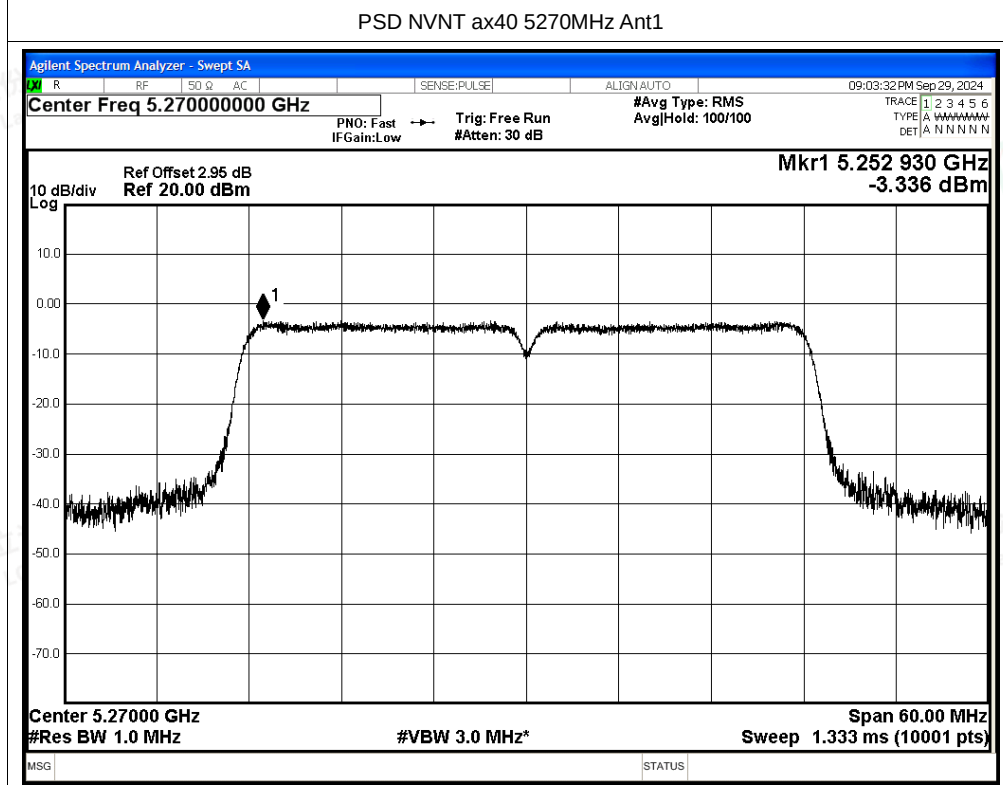
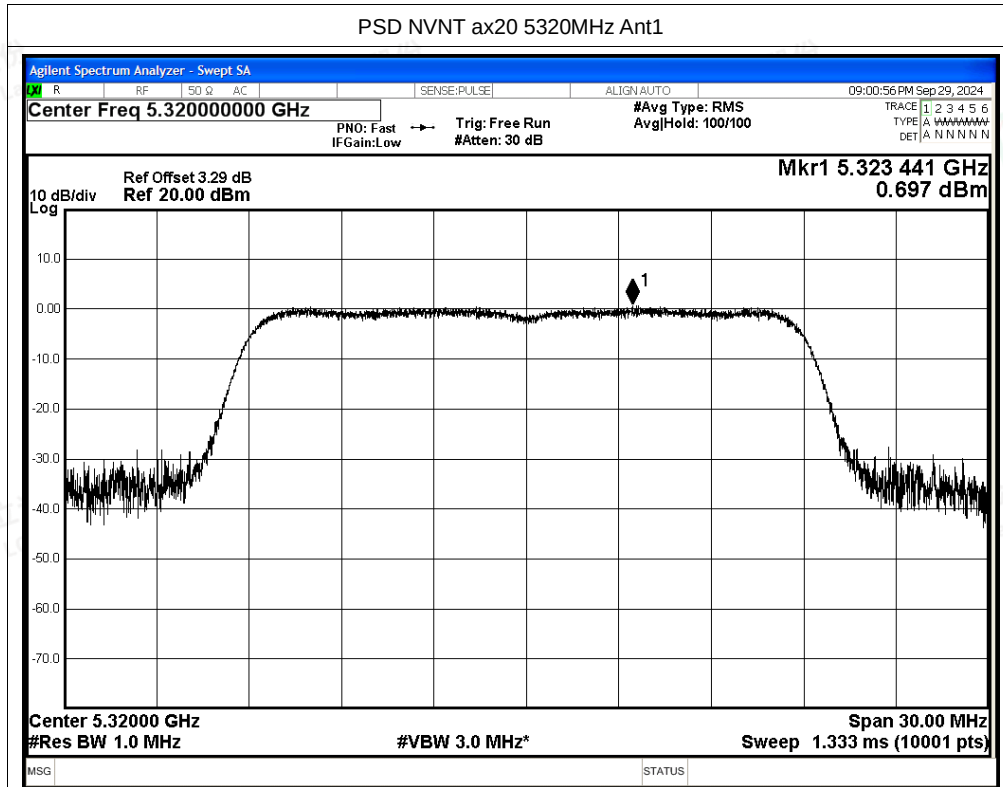


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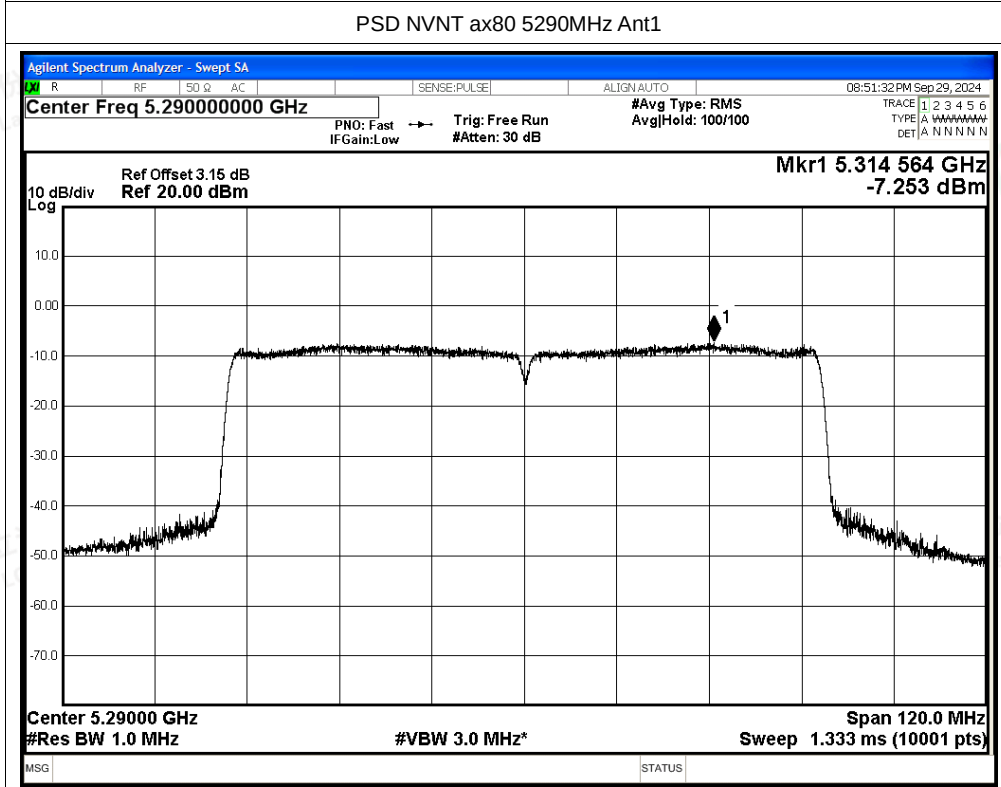
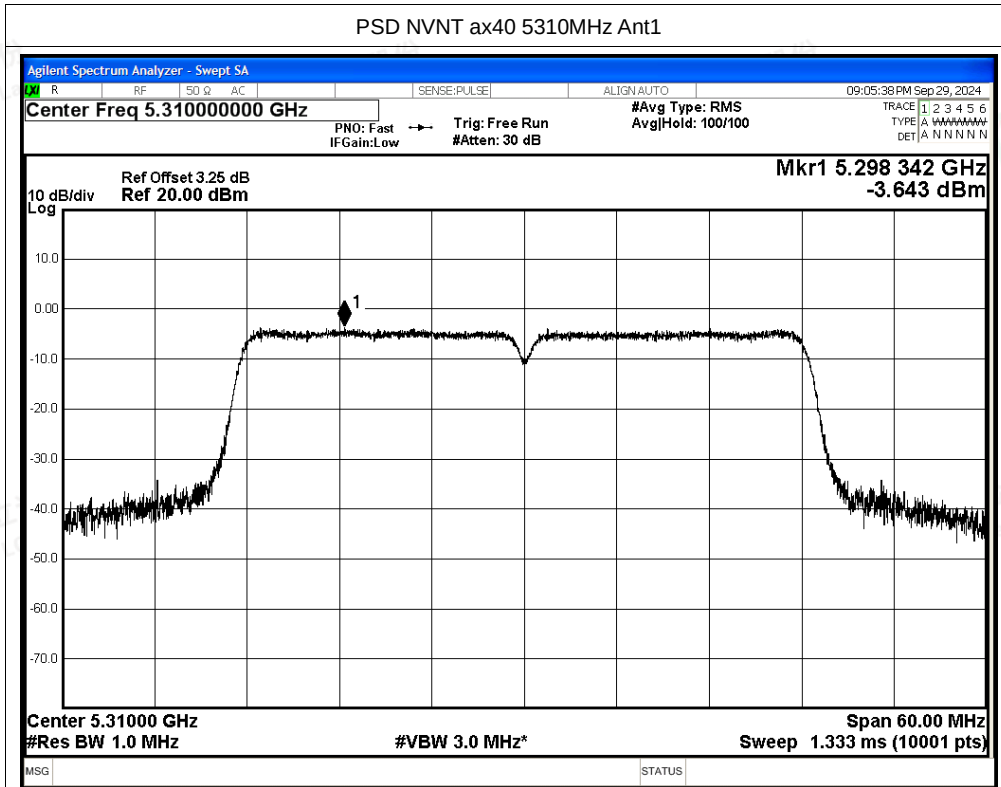


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## E.4 Restrict Band

| Condition | Mode | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|------------|------------------|------------|----------|----------------|---------|
| NVNT      | a    | 5260            | Ant1    | 4500            | -51.45      | 2.84       | -                | 46.62      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5260            | Ant1    | 4500            | -58.89      | 2.84       | 0.24             | 39.42      | Average  | 54             | Pass    |
| NVNT      | a    | 5260            | Ant1    | 4773.78         | -45.22      | 2.84       | -                | 52.85      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5260            | Ant1    | 4787.82         | -54.16      | 2.84       | 0.24             | 44.15      | Average  | 54             | Pass    |
| NVNT      | a    | 5260            | Ant1    | 5150            | -47.67      | 2.84       | -                | 50.40      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5260            | Ant1    | 5150            | -56.19      | 2.84       | 0.24             | 42.12      | Average  | 54             | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5350            | -41.5       | 2.84       | -                | 56.57      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5350            | -53.13      | 2.84       | 0.24             | 45.18      | Average  | 54             | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5350.2          | -38.32      | 2.84       | -                | 59.75      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5350.4          | -52.99      | 2.84       | 0.24             | 45.32      | Average  | 54             | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5460            | -50.06      | 2.84       | -                | 48.01      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5460            | -57.89      | 2.84       | 0.24             | 40.42      | Average  | 54             | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 4500            | -50.16      | 2.84       | -                | 47.91      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 4500            | -59.19      | 2.84       | 0.12             | 39.00      | Average  | 54             | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 4772.22         | -45.11      | 2.84       | -                | 52.96      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 4787.82         | -54.25      | 2.84       | 0.12             | 43.94      | Average  | 54             | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 5150            | -48.63      | 2.84       | -                | 49.44      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 5150            | -56.62      | 2.84       | 0.12             | 41.57      | Average  | 54             | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5350            | -43.84      | 2.84       | -                | 54.23      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5350            | -55.43      | 2.84       | 0.12             | 42.76      | Average  | 54             | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5351.8          | -42.71      | 2.84       | -                | 55.36      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5350.2          | -55.21      | 2.84       | 0.12             | 42.98      | Average  | 54             | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5460            | -49.87      | 2.84       | -                | 48.20      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5460            | -57.52      | 2.84       | 0.12             | 40.67      | Average  | 54             | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 4500            | -50.66      | 2.84       | -                | 47.41      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 4500            | -58.91      | 2.84       | 0.12             | 39.28      | Average  | 54             | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 4773.78         | -44.09      | 2.84       | -                | 53.98      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 4806.99         | -52.32      | 2.84       | 0.12             | 45.87      | Average  | 54             | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 5150            | -49.7       | 2.84       | -                | 48.37      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 5150            | -57.42      | 2.84       | 0.12             | 40.77      | Average  | 54             | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5350            | -41.29      | 2.84       | -                | 56.78      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5350            | -55.35      | 2.84       | 0.12             | 42.84      | Average  | 54             | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5351            | -55.15      | 2.84       | 0.12             | 43.04      | Average  | 54             | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5460            | -49.89      | 2.84       | -                | 48.18      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5460            | -57.86      | 2.84       | 0.12             | 40.33      | Average  | 54             | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 4500            | -51         | 2.84       | -                | 47.07      | Peak     | 68.2           | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 4500            | -58.87      | 2.84       | 0.12             | 39.32      | Average  | 54             | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 4787.82         | -44.17      | 2.84       | -                | 53.90      | Peak     | 68.2           | Pass    |



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|      |      |      |      |         |        |      |      |       |         |      |      |
|------|------|------|------|---------|--------|------|------|-------|---------|------|------|
| NVNT | ac20 | 5260 | Ant1 | 4787.82 | -54.64 | 2.84 | 0.12 | 43.55 | Average | 54   | Pass |
| NVNT | ac20 | 5260 | Ant1 | 5150    | -48.63 | 2.84 | -    | 49.44 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5260 | Ant1 | 5150    | -56.02 | 2.84 | 0.12 | 42.17 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5350    | -42.62 | 2.84 | -    | 55.45 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5350    | -55    | 2.84 | 0.12 | 43.19 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5353.6  | -39.78 | 2.84 | -    | 58.29 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5350.2  | -53.18 | 2.84 | 0.12 | 45.01 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5460    | -50.76 | 2.84 | -    | 47.31 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5320 | Ant1 | 5460    | -57.79 | 2.84 | 0.12 | 40.40 | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant1 | 4500    | -52.3  | 2.84 | -    | 45.77 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant1 | 4500    | -59.19 | 2.84 | 0.12 | 39.00 | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant1 | 4806.18 | -43.49 | 2.84 | -    | 54.58 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant1 | 4806.99 | -52.09 | 2.84 | 0.12 | 46.10 | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant1 | 5150    | -48.47 | 2.84 | -    | 49.60 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant1 | 5150    | -57.09 | 2.84 | 0.12 | 41.10 | Average | 54   | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5350    | -43.16 | 2.84 | -    | 54.91 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5350    | -54.83 | 2.84 | 0.12 | 43.36 | Average | 54   | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5351.4  | -41.83 | 2.84 | -    | 56.24 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5460    | -50.14 | 2.84 | -    | 47.93 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant1 | 5460    | -58.01 | 2.84 | 0.12 | 40.18 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 4500    | -49.83 | 2.84 | -    | 48.24 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 4500    | -59.52 | 2.84 | 0.25 | 38.80 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5132.49 | -46.31 | 2.84 | -    | 51.76 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5146.41 | -56.3  | 2.84 | 0.25 | 42.02 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5150    | -47.89 | 2.84 | -    | 50.18 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5150    | -57.1  | 2.84 | 0.25 | 41.22 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5350    | -44.68 | 2.84 | -    | 53.39 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5350    | -54.75 | 2.84 | 0    | 43.32 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5358.75 | -41.69 | 2.84 | -    | 56.38 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5350.25 | -54.59 | 2.84 | 0    | 43.48 | Average | 54   | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5460    | -50.35 | 2.84 | -    | 47.72 | Peak    | 68.2 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 5460    | -57.58 | 2.84 | 0    | 40.49 | Average | 54   | Pass |
| NVNT | ax20 | 5260 | Ant1 | 4500    | -50.79 | 2.84 | -    | 47.28 | Peak    | 68.2 | Pass |
| NVNT | ax20 | 5260 | Ant1 | 4500    | -58.85 | 2.84 | 0.12 | 39.34 | Average | 54   | Pass |
| NVNT | ax20 | 5260 | Ant1 | 4788.6  | -46.46 | 2.84 | -    | 51.61 | Peak    | 68.2 | Pass |
| NVNT | ax20 | 5260 | Ant1 | 4787.82 | -54.6  | 2.84 | 0.12 | 43.59 | Average | 54   | Pass |
| NVNT | ax20 | 5260 | Ant1 | 5150    | -47.45 | 2.84 | -    | 50.62 | Peak    | 68.2 | Pass |
| NVNT | ax20 | 5260 | Ant1 | 5150    | -56.29 | 2.84 | 0.12 | 41.90 | Average | 54   | Pass |
| NVNT | ax20 | 5320 | Ant1 | 5350    | -43.94 | 2.84 | -    | 54.13 | Peak    | 68.2 | Pass |
| NVNT | ax20 | 5320 | Ant1 | 5350    | -54.32 | 2.84 | 0.12 | 43.87 | Average | 54   | Pass |
| NVNT | ax20 | 5320 | Ant1 | 5355.6  | -41.15 | 2.84 | -    | 56.92 | Peak    | 68.2 | Pass |
| NVNT | ax20 | 5320 | Ant1 | 5350.4  | -53.89 | 2.84 | 0.12 | 44.30 | Average | 54   | Pass |
| NVNT | ax20 | 5320 | Ant1 | 5460    | -50.34 | 2.84 | -    | 47.73 | Peak    | 68.2 | Pass |



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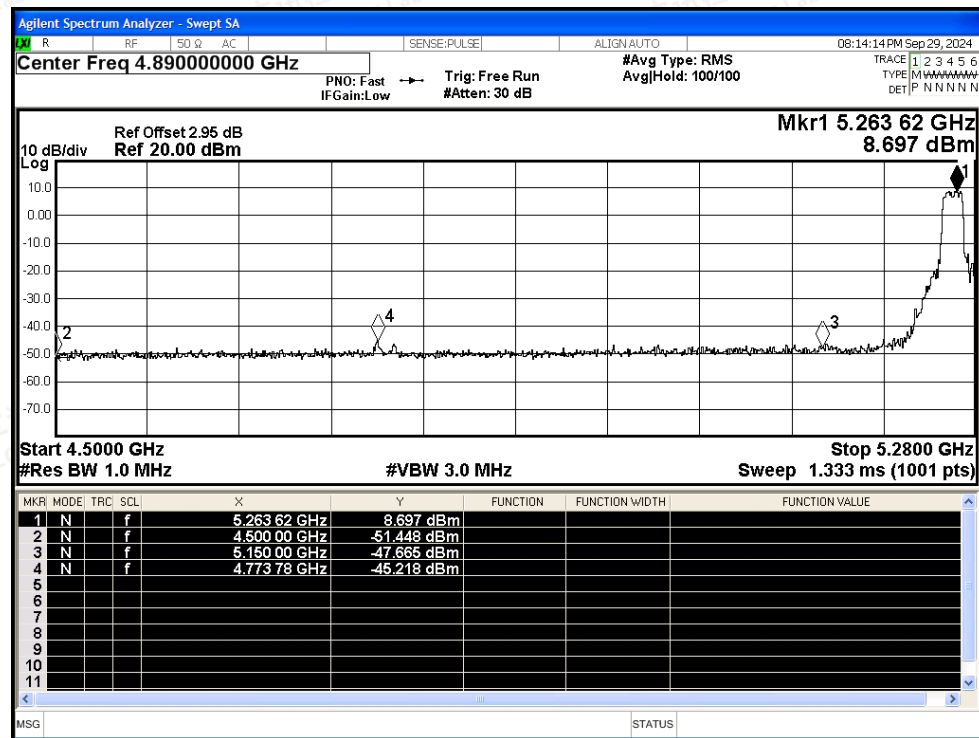
|      |      |      |      |         |        |      |      |       |         |      |      |
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| NVNT | ax20 | 5320 | Ant1 | 5460    | -58.15 | 2.84 | 0.12 | 40.04 | Average | 54   | Pass |
| NVNT | ax40 | 5270 | Ant1 | 4500    | -49.2  | 2.84 | -    | 48.87 | Peak    | 68.2 | Pass |
| NVNT | ax40 | 5270 | Ant1 | 4500    | -59.1  | 2.84 | 0.24 | 39.21 | Average | 54   | Pass |
| NVNT | ax40 | 5270 | Ant1 | 4806.99 | -42.7  | 2.84 | -    | 55.37 | Peak    | 68.2 | Pass |
| NVNT | ax40 | 5270 | Ant1 | 4806.99 | -52.2  | 2.84 | 0.24 | 46.11 | Average | 54   | Pass |
| NVNT | ax40 | 5270 | Ant1 | 5150    | -49.14 | 2.84 | -    | 48.93 | Peak    | 68.2 | Pass |
| NVNT | ax40 | 5270 | Ant1 | 5150    | -56.73 | 2.84 | 0.24 | 41.58 | Average | 54   | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5350    | -40.79 | 2.84 | -    | 57.28 | Peak    | 68.2 | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5350    | -50.42 | 2.84 | 0.12 | 47.77 | Average | 54   | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5350.6  | -39.24 | 2.84 | -    | 58.83 | Peak    | 68.2 | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5460    | -50.35 | 2.84 | -    | 47.72 | Peak    | 68.2 | Pass |
| NVNT | ax40 | 5310 | Ant1 | 5460    | -57.86 | 2.84 | 0.12 | 40.33 | Average | 54   | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5350    | -43.68 | 2.84 | -    | 54.39 | Peak    | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5350    | -53.01 | 2.84 | 0.25 | 45.31 | Average | 54   | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5354.5  | -42.89 | 2.84 | -    | 55.18 | Peak    | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5350.75 | -52.73 | 2.84 | 0.25 | 45.59 | Average | 54   | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5460    | -50.26 | 2.84 | -    | 47.81 | Peak    | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5460    | -57.89 | 2.84 | 0.25 | 40.43 | Average | 54   | Pass |
| NVNT | ax80 | 5290 | Ant1 | 4500    | -50.39 | 2.84 | -    | 47.68 | Peak    | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 4500    | -58.89 | 2.84 | 0.25 | 39.43 | Average | 54   | Pass |
| NVNT | ax80 | 5290 | Ant1 | 4991.55 | -46.16 | 2.84 | -    | 51.91 | Peak    | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5123.79 | -56.4  | 2.84 | 0.25 | 41.92 | Average | 54   | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5150    | -48.48 | 2.84 | -    | 49.59 | Peak    | 68.2 | Pass |
| NVNT | ax80 | 5290 | Ant1 | 5150    | -56.57 | 2.84 | 0.25 | 41.75 | Average | 54   | Pass |



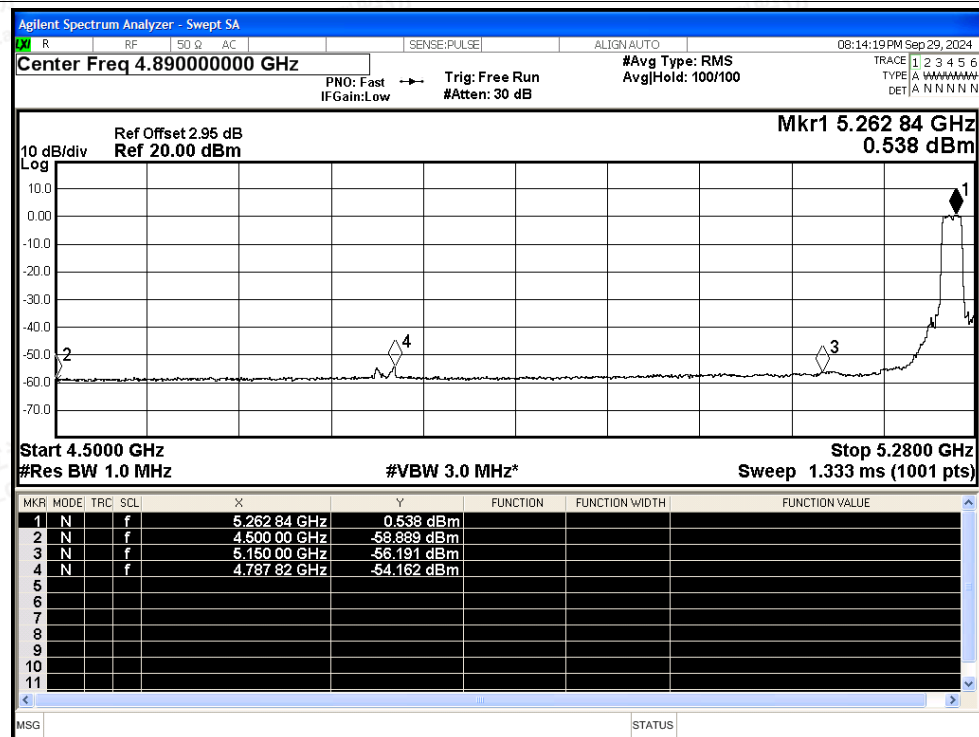


## Test Graphs

## Restrict Band NVNT a 5260MHz Ant1 Peak



## Restrict Band NVNT a 5260MHz Ant1 Average

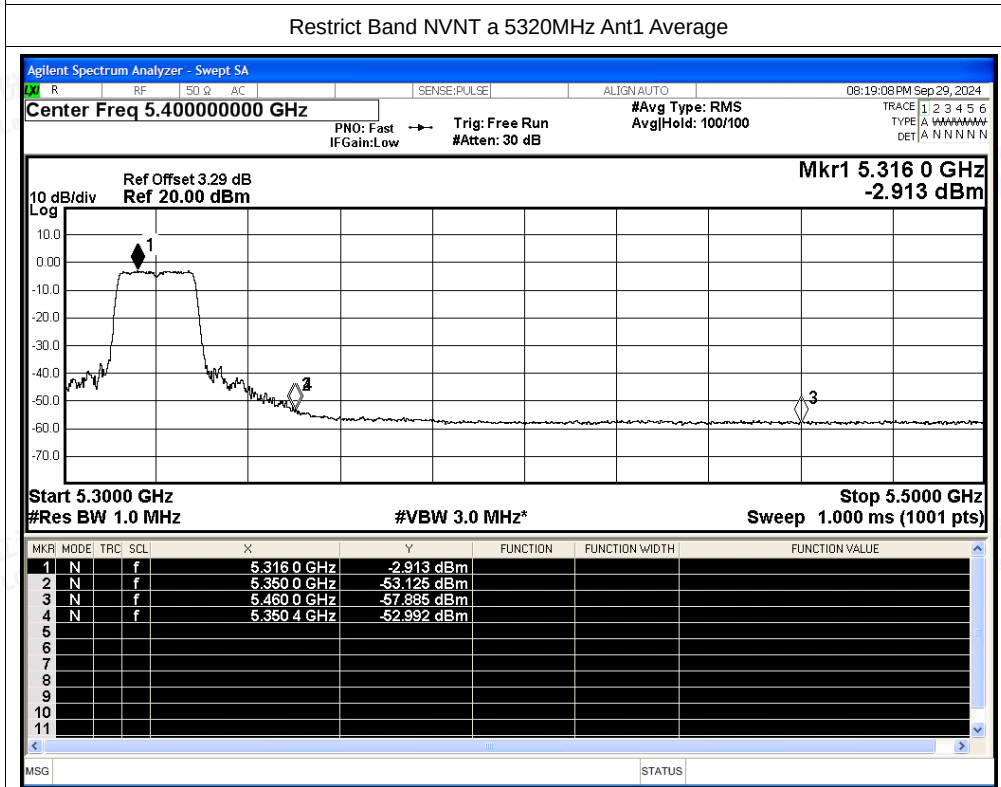
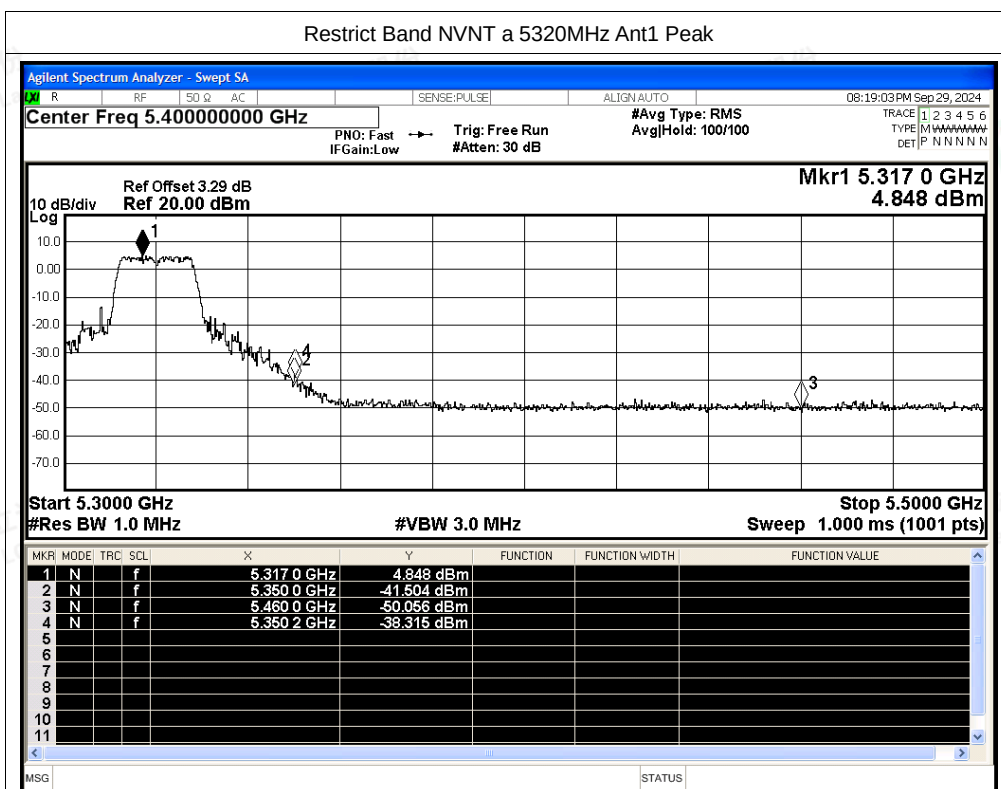


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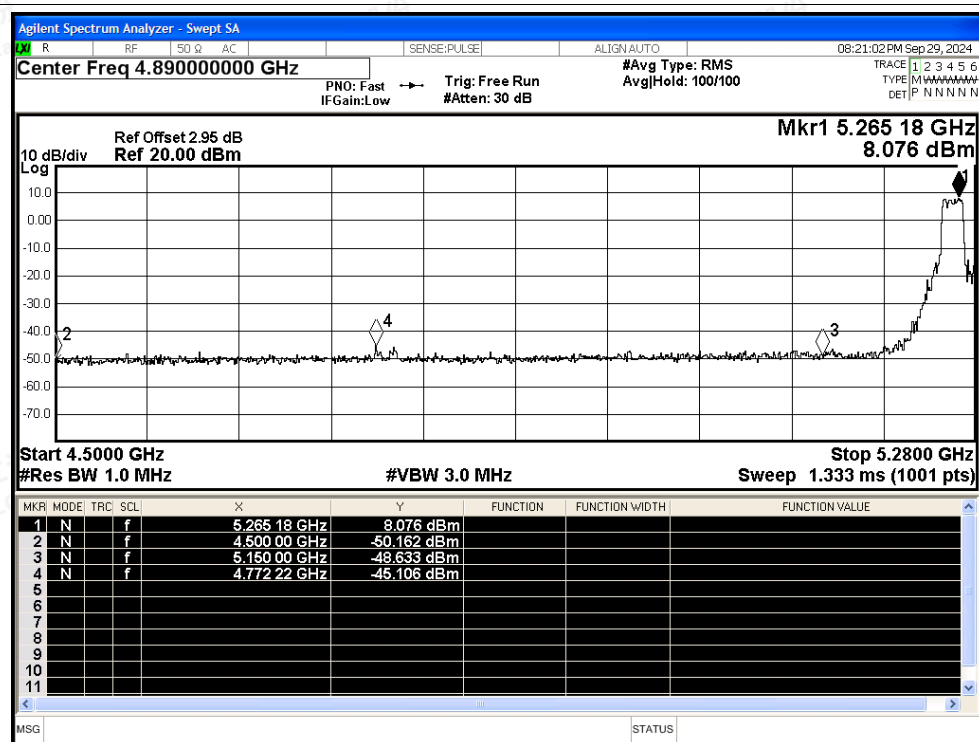
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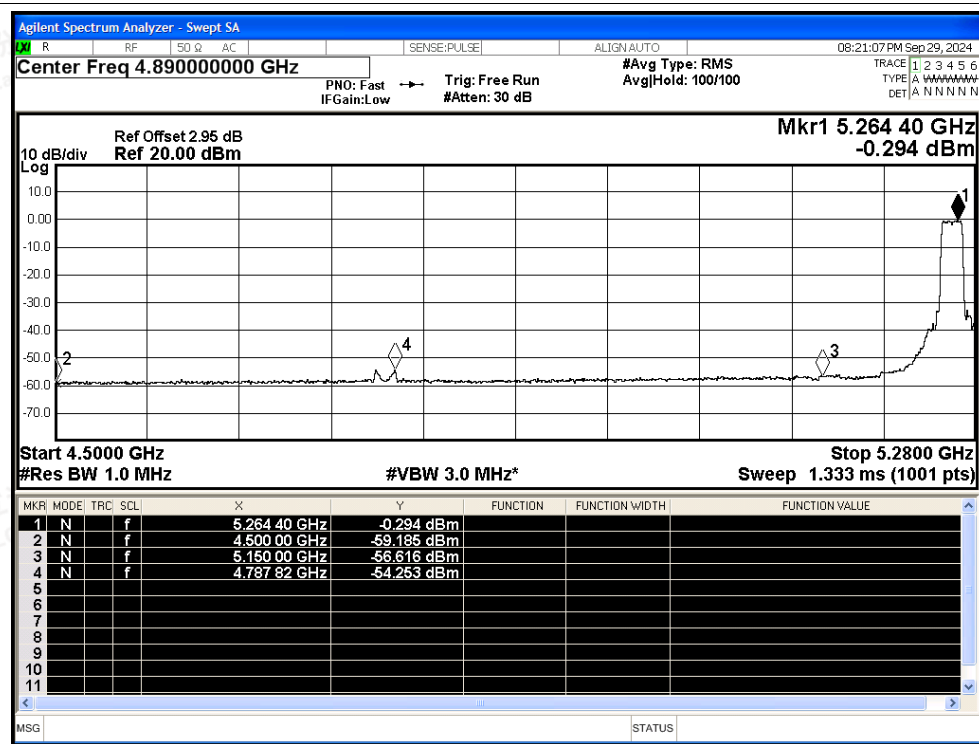
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## Restrict Band NVNT n20 5260MHz Ant1 Peak



## Restrict Band NVNT n20 5260MHz Ant1 Average



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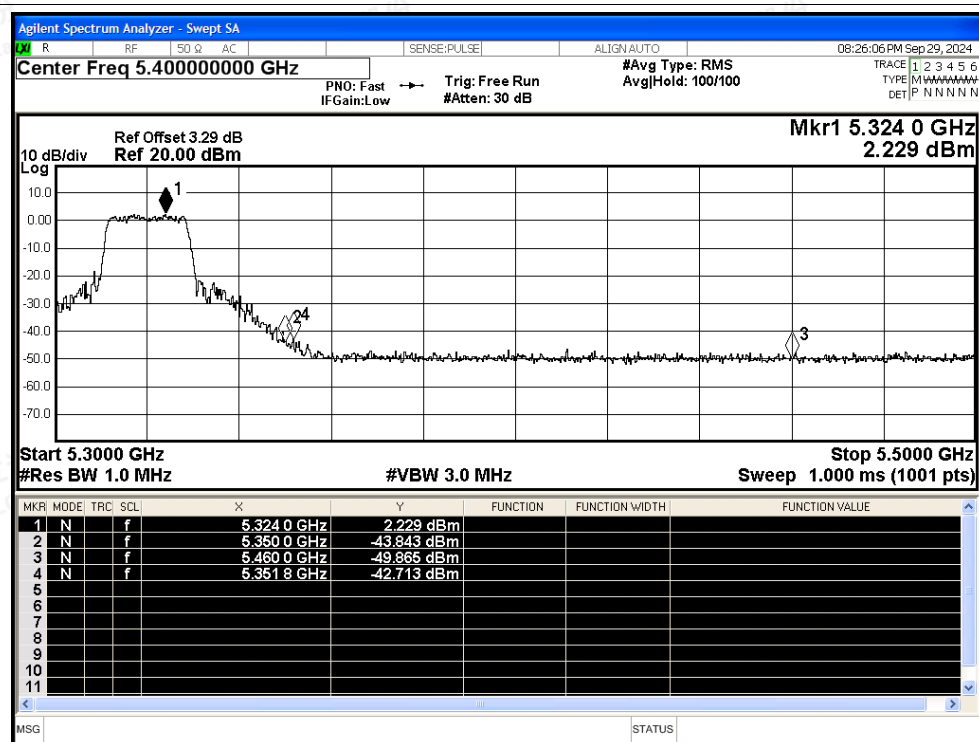
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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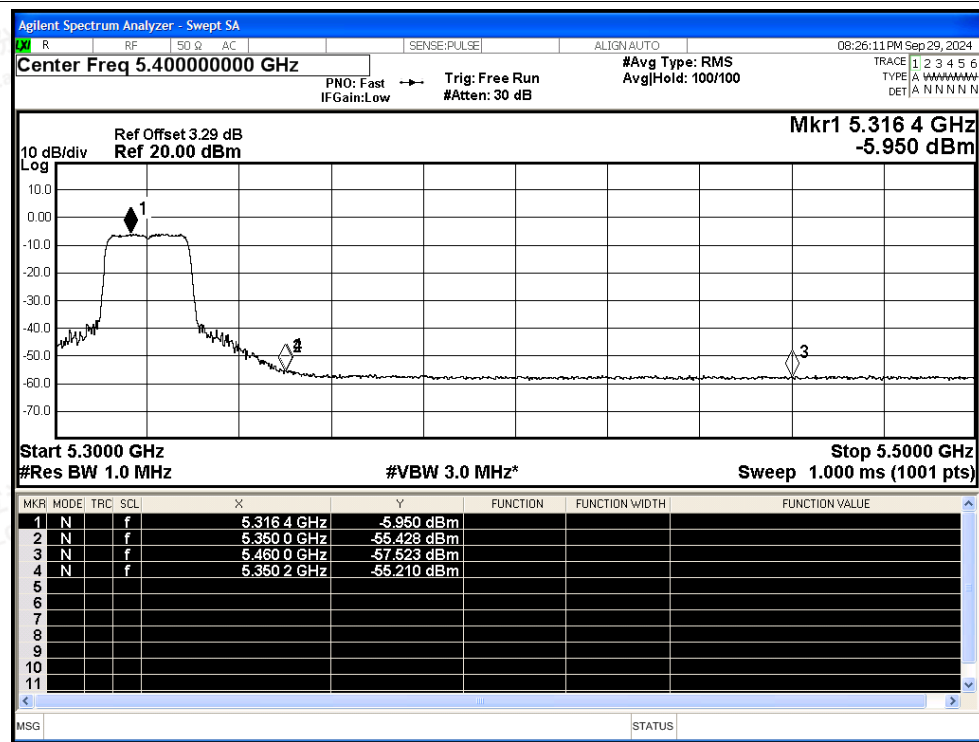
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## Restrict Band NVNT n20 5320MHz Ant1 Peak



## Restrict Band NVNT n20 5320MHz Ant1 Average



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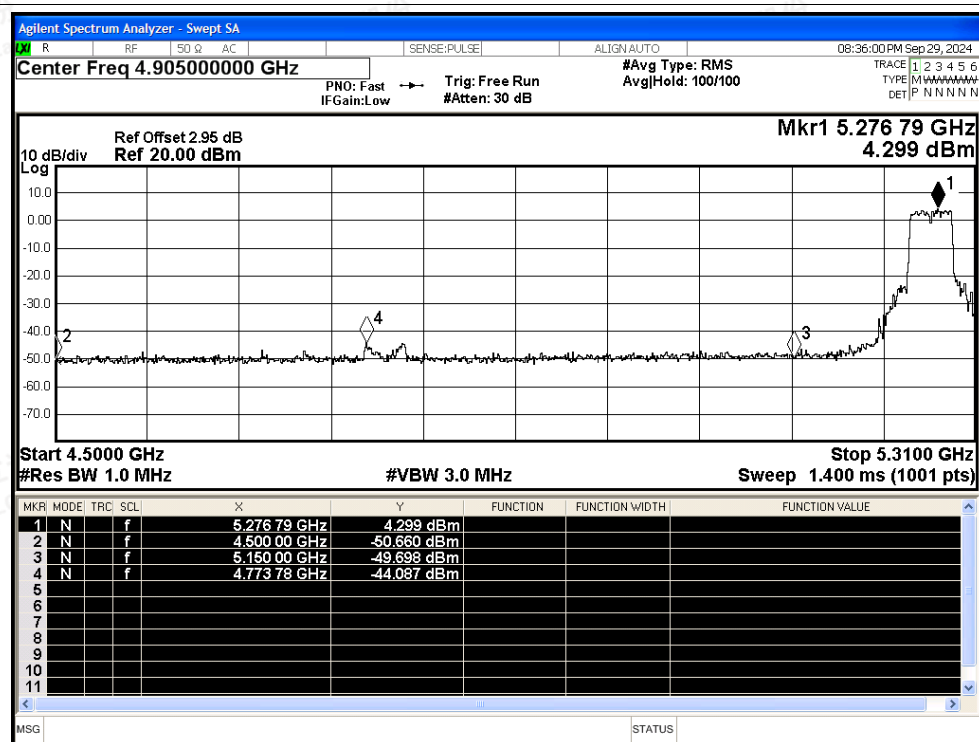
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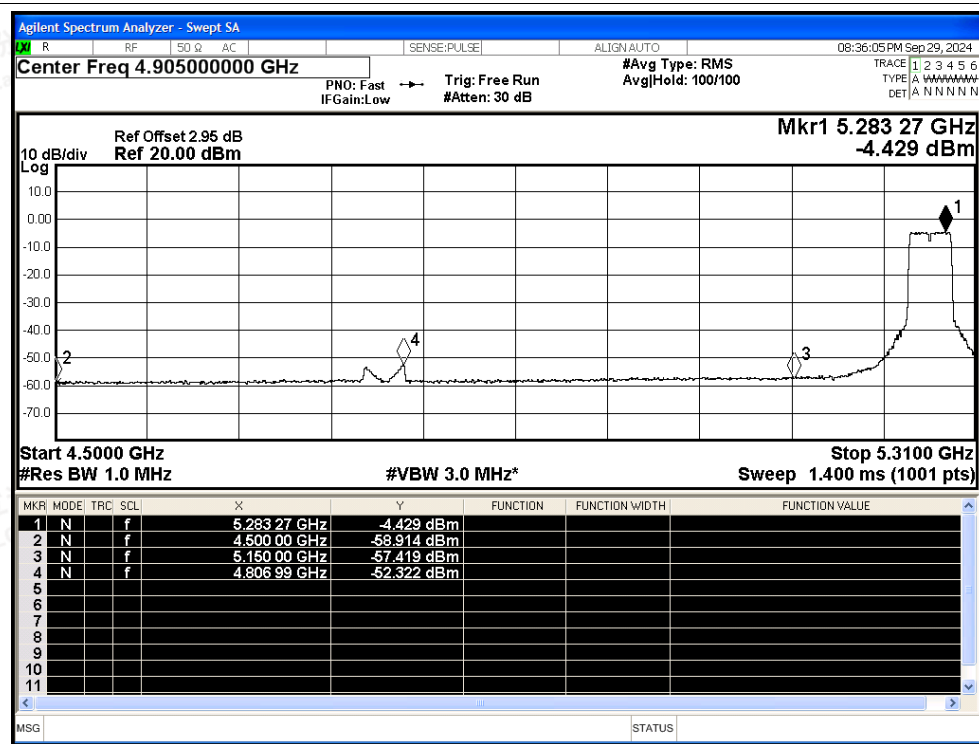
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## Restrict Band NVNT n40 5270MHz Ant1 Peak



## Restrict Band NVNT n40 5270MHz Ant1 Average



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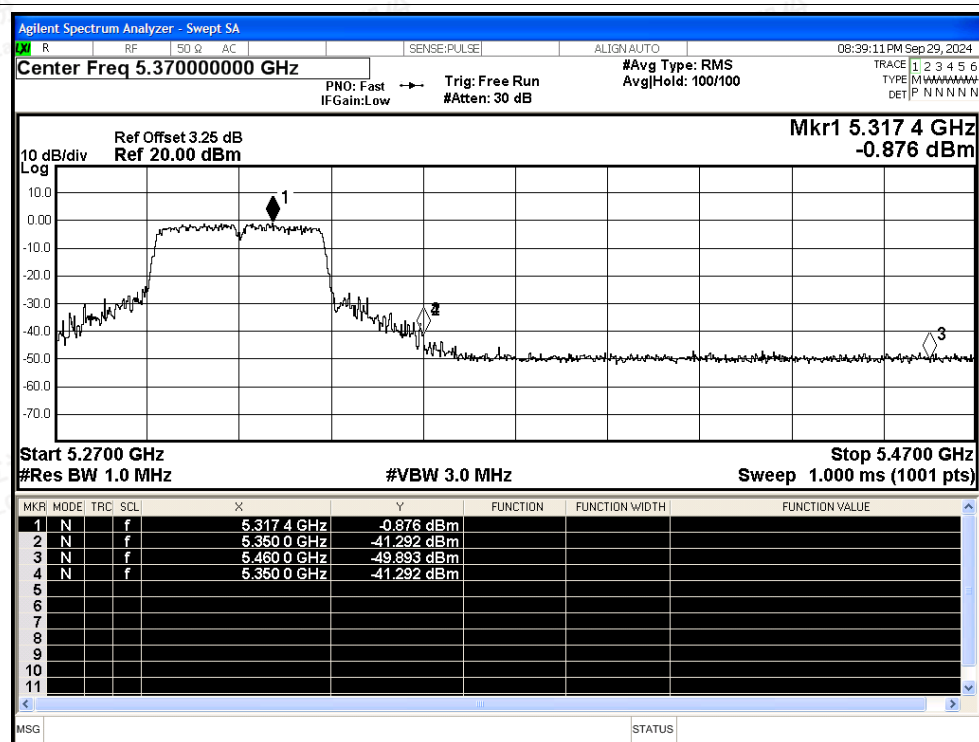
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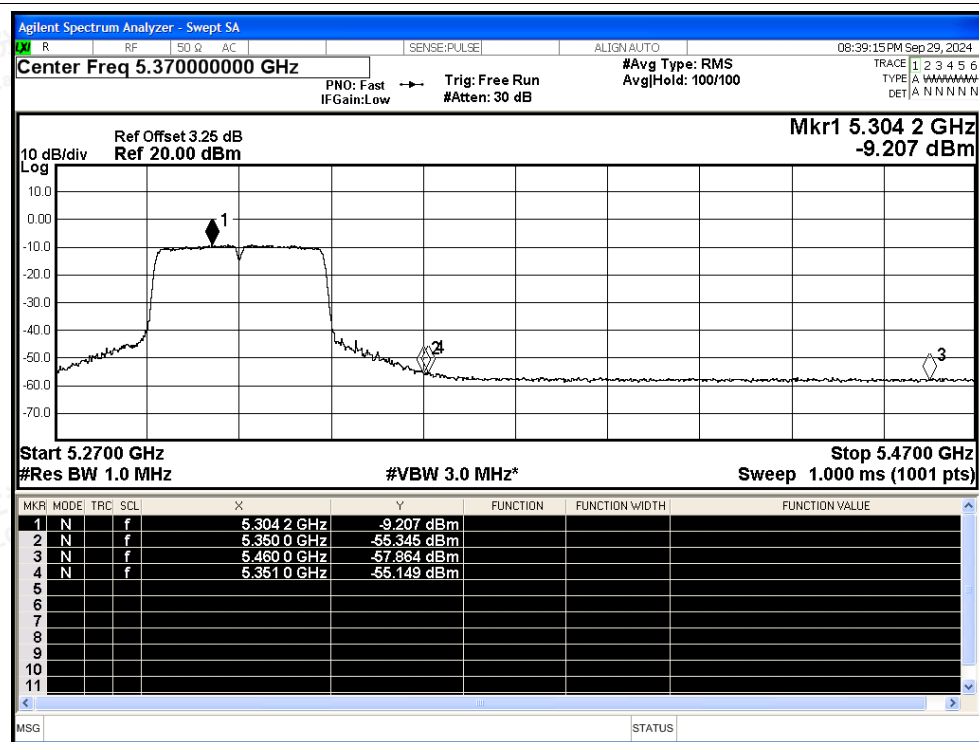
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## Restrict Band NVNT n40 5310MHz Ant1 Peak



## Restrict Band NVNT n40 5310MHz Ant1 Average



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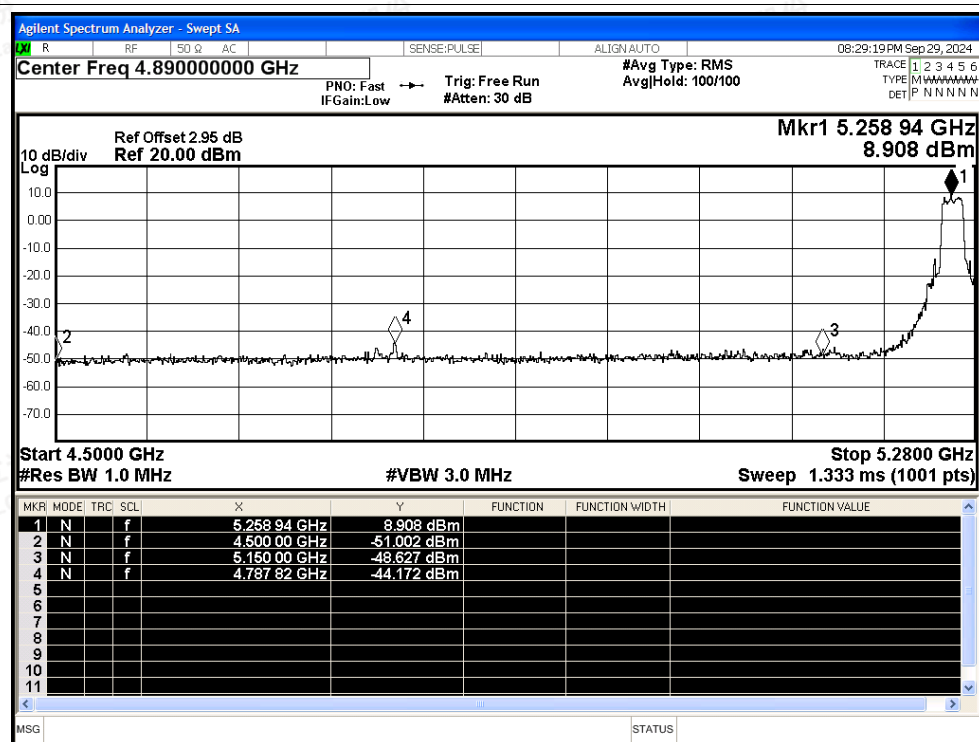
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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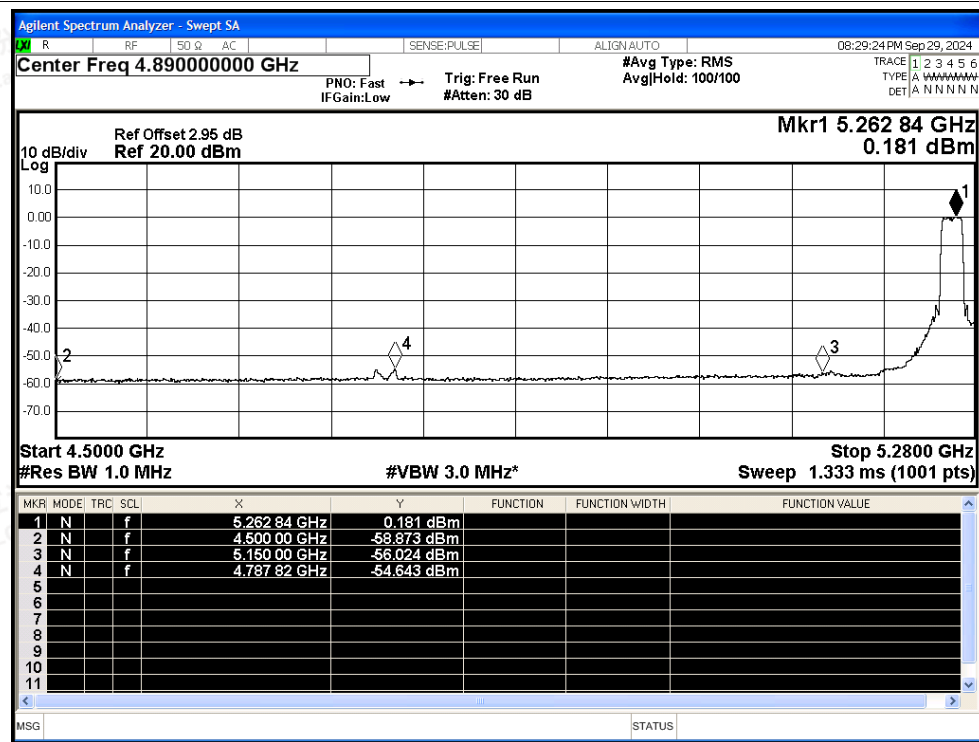
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## Restrict Band NVNT ac20 5260MHz Ant1 Peak



## Restrict Band NVNT ac20 5260MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

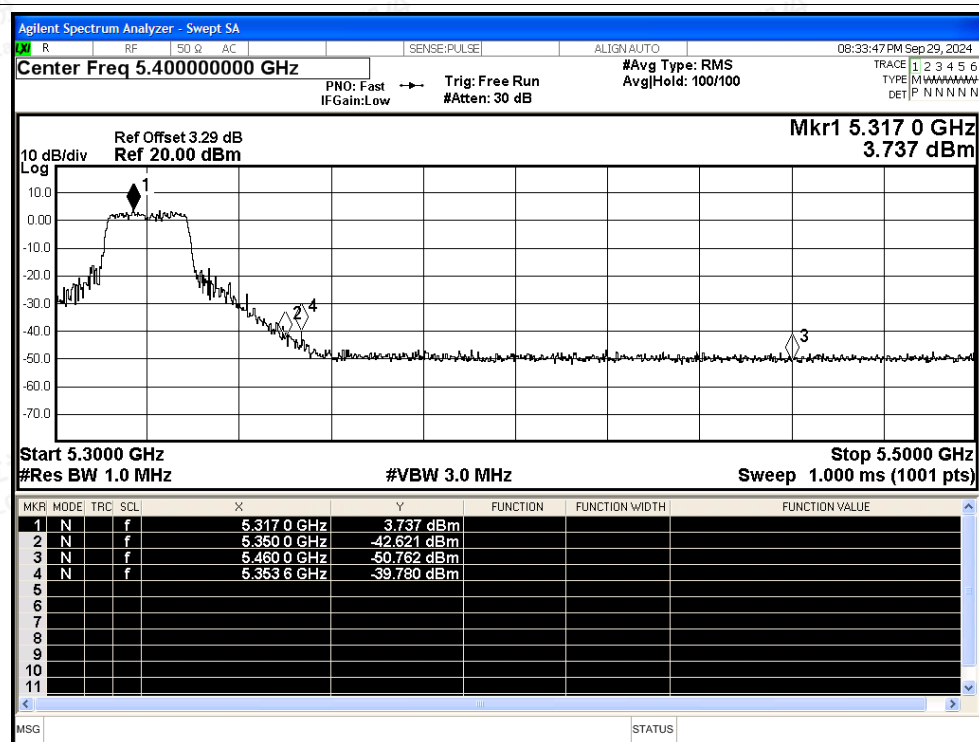
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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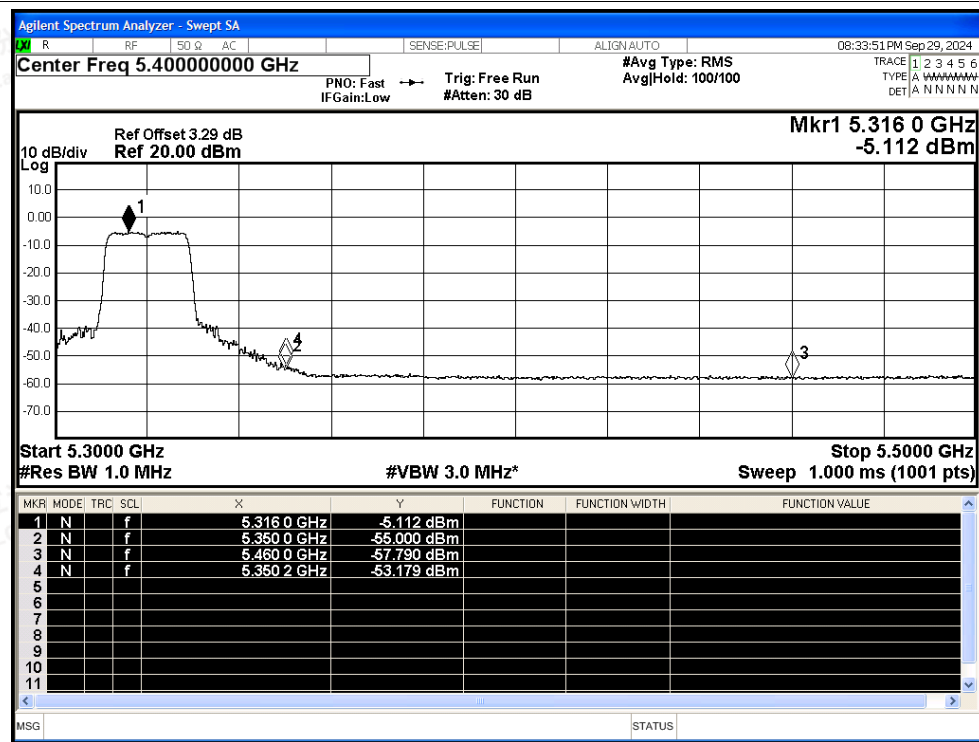
Scan code to check authenticity



## Restrict Band NVNT ac20 5320MHz Ant1 Peak



## Restrict Band NVNT ac20 5320MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

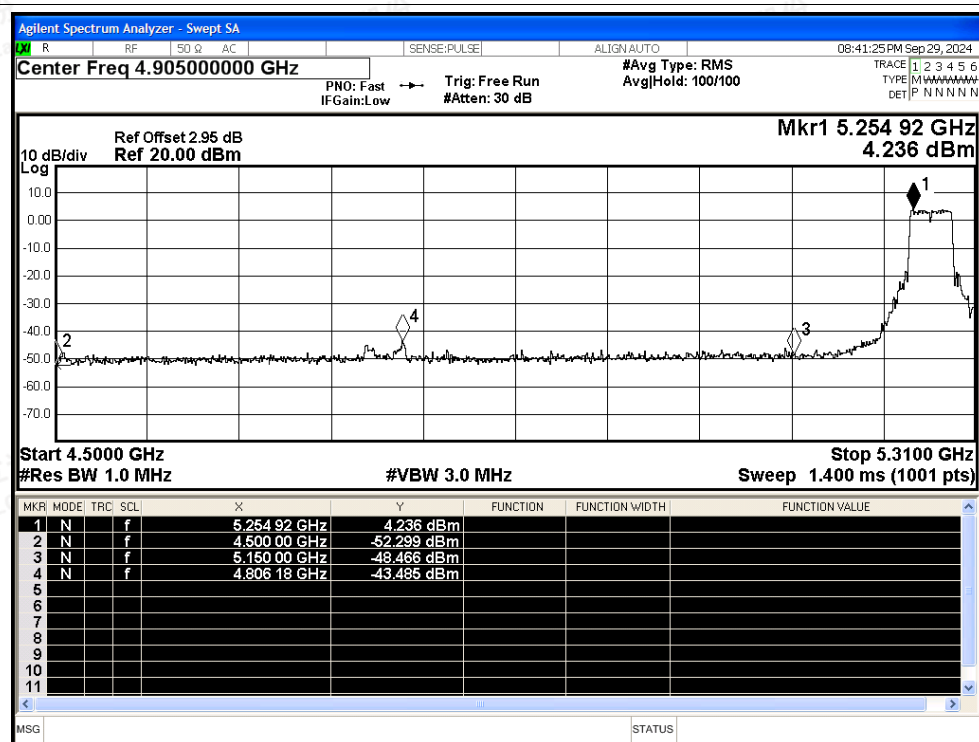
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

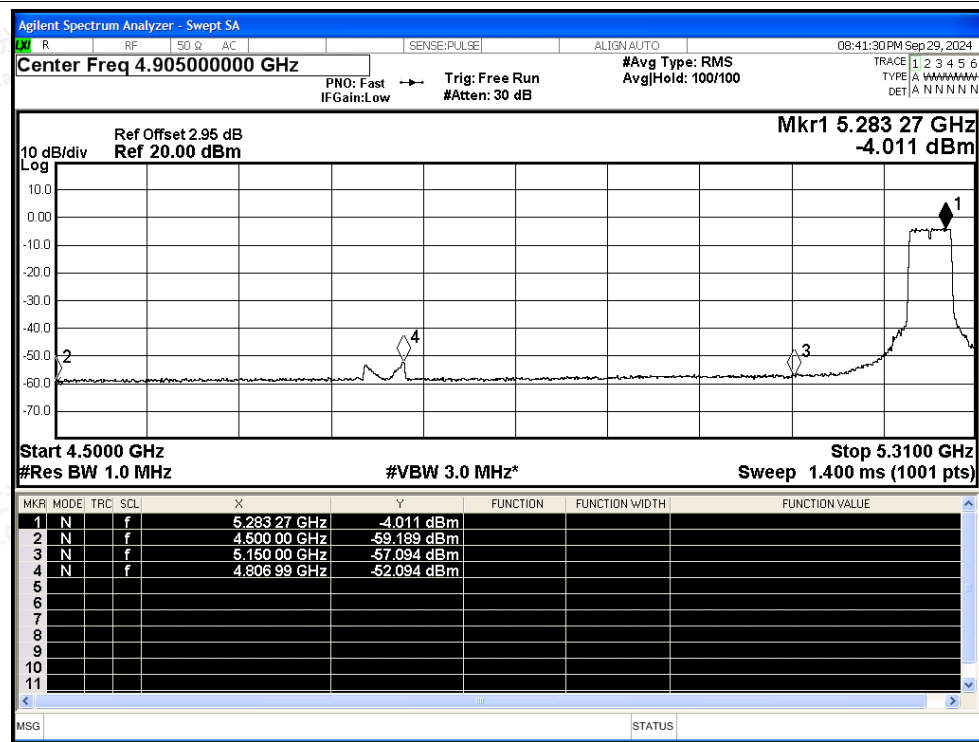
Scan code to check authenticity



## Restrict Band NVNT ac40 5270MHz Ant1 Peak



## Restrict Band NVNT ac40 5270MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

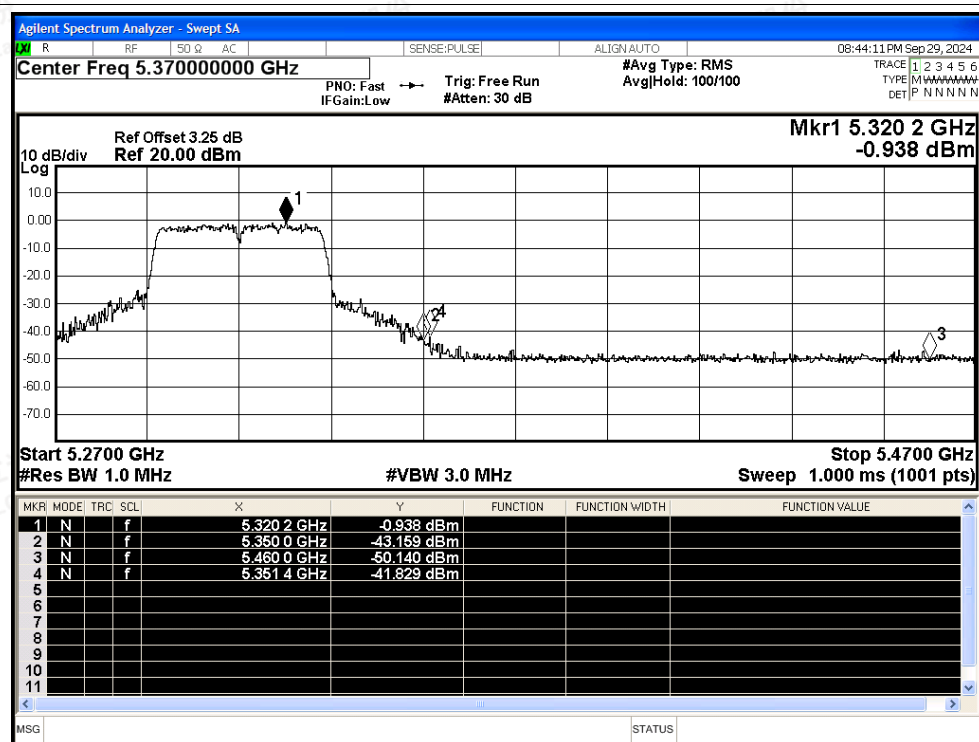
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

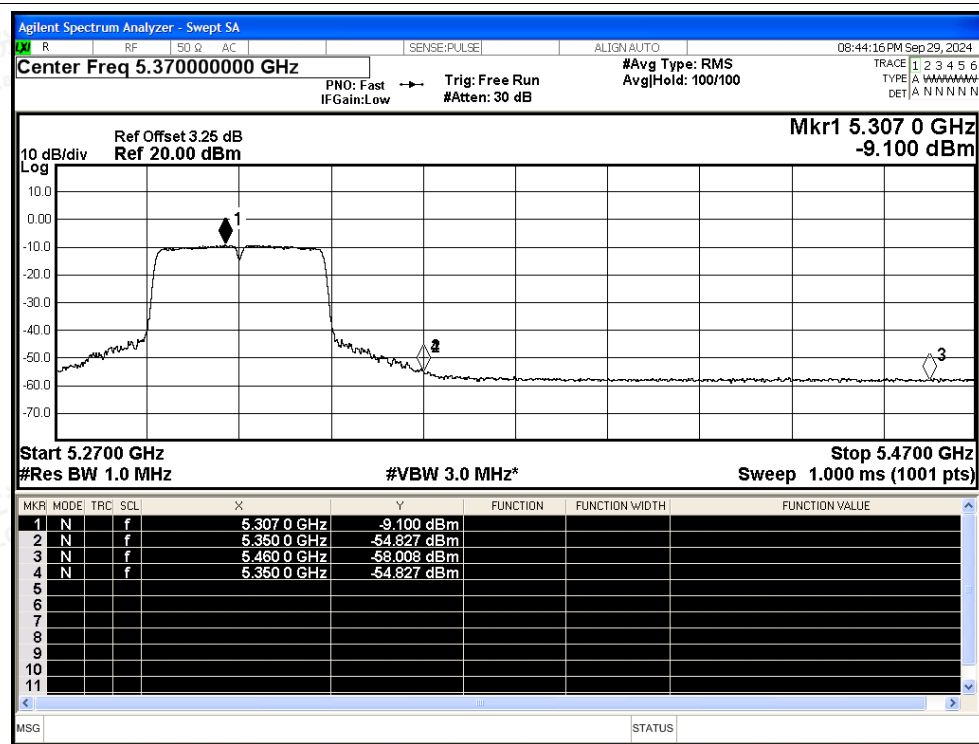
Scan code to check authenticity



## Restrict Band NVNT ac40 5310MHz Ant1 Peak



## Restrict Band NVNT ac40 5310MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

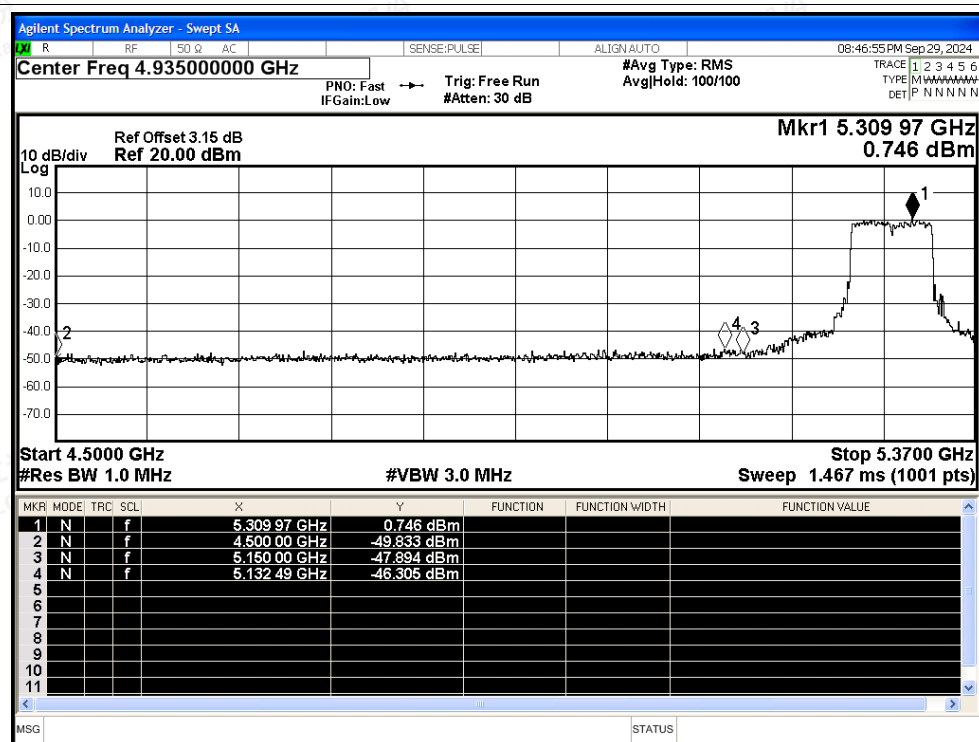
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

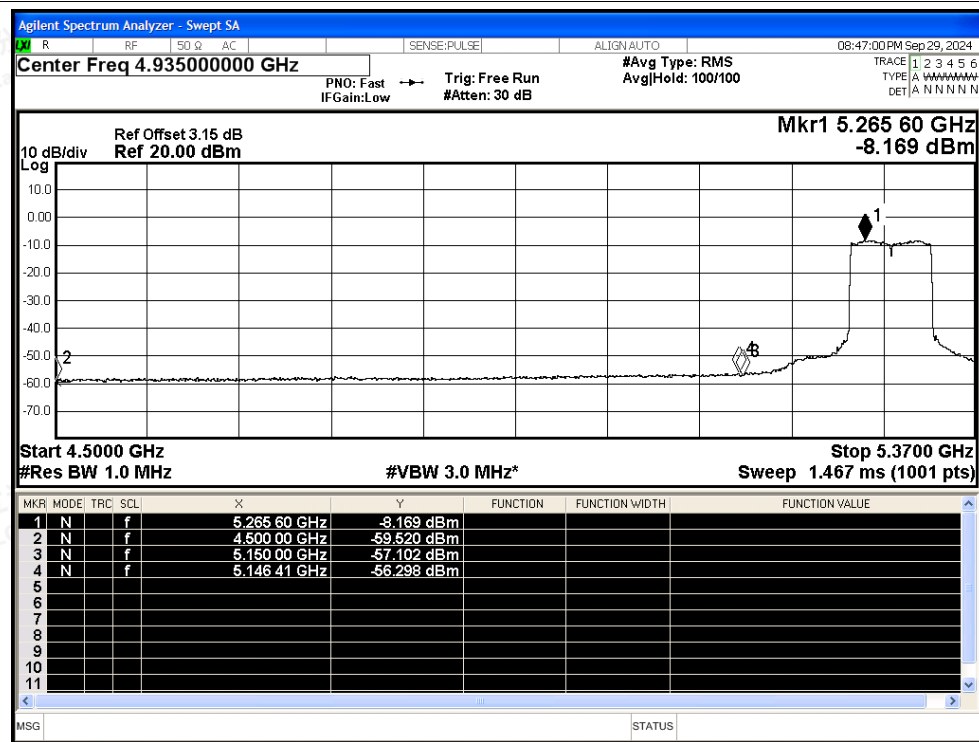
Scan code to check authenticity



## Restrict Band NVNT ac80 5290MHz Ant1 Peak



## Restrict Band NVNT ac80 5290MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

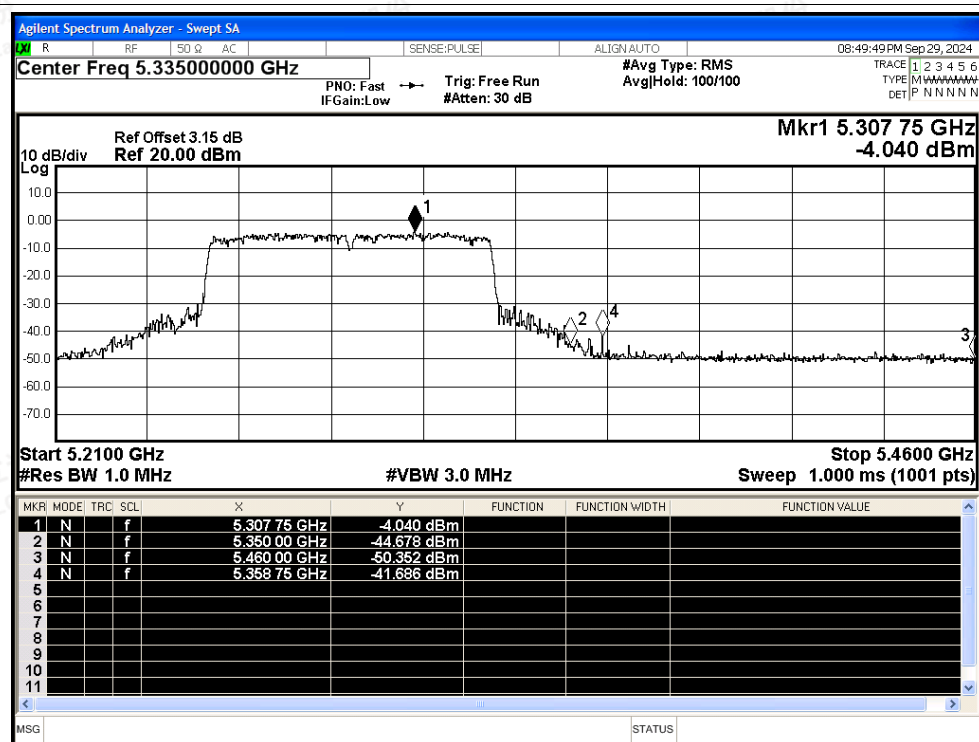
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

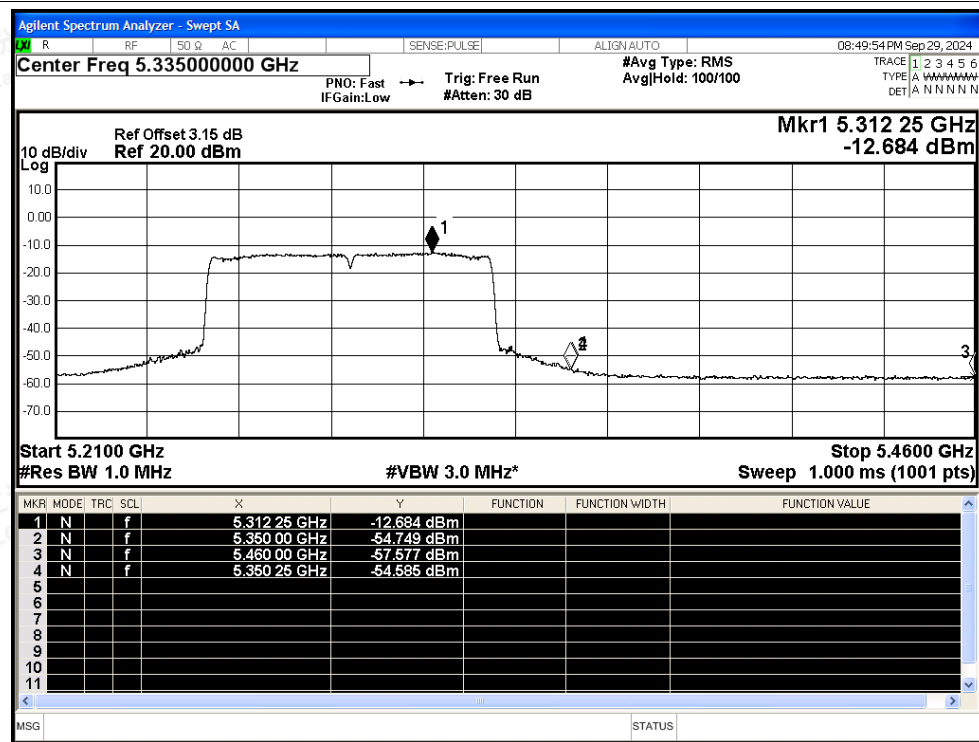
Scan code to check authenticity



## Restrict Band NVNT ac80 5290MHz Ant1 Peak



## Restrict Band NVNT ac80 5290MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

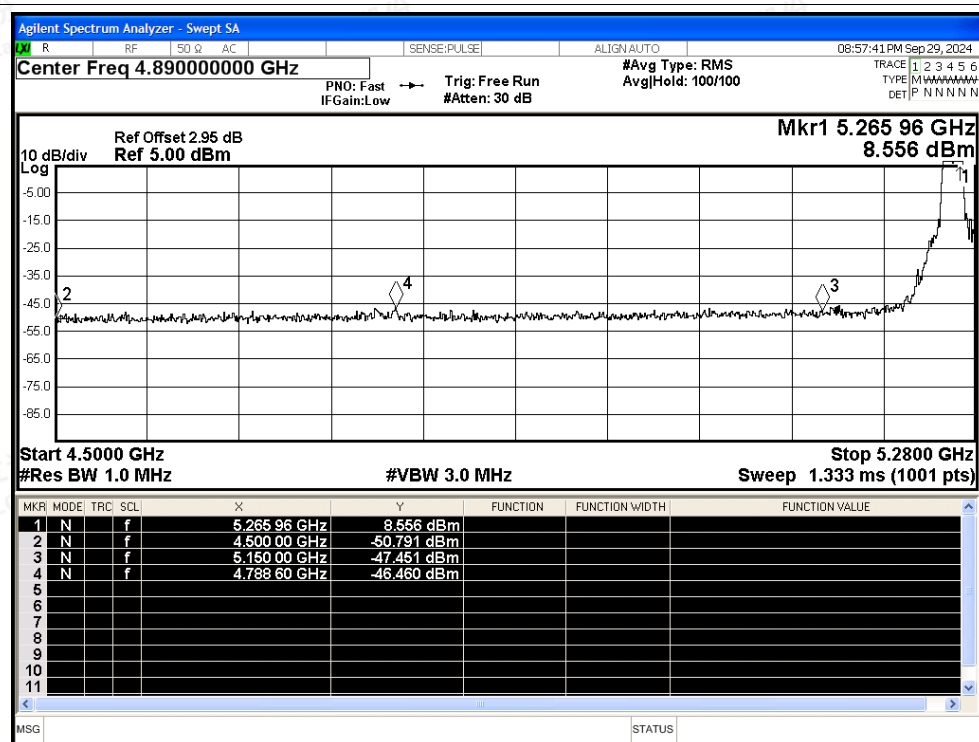
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

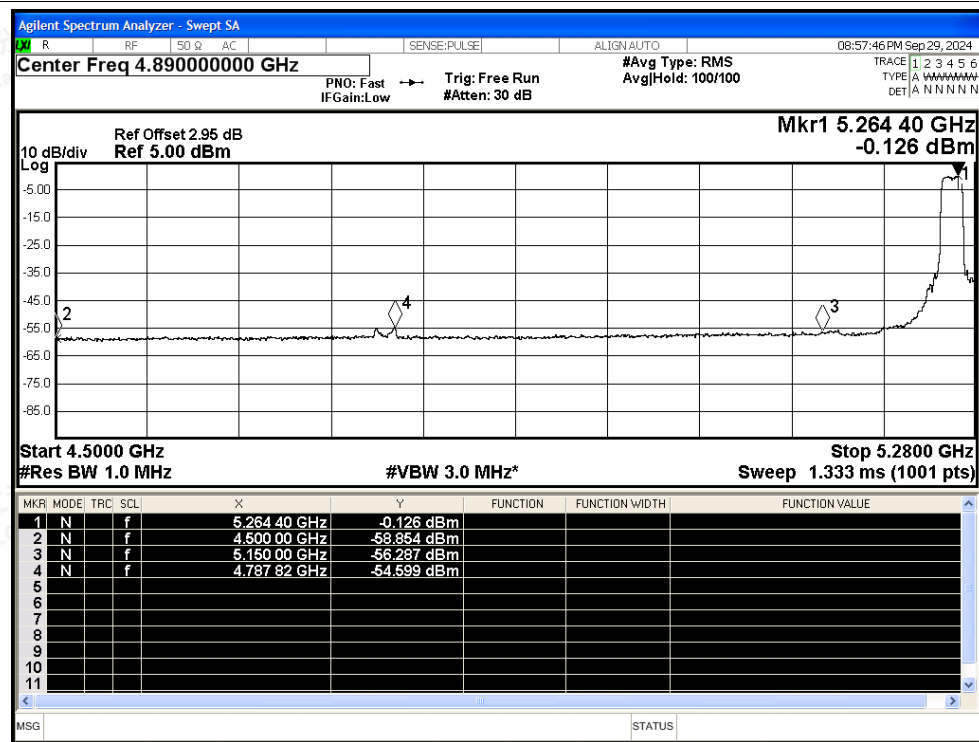
Scan code to check authenticity



## Restrict Band NVNT ax20 5260MHz Ant1 Peak



## Restrict Band NVNT ax20 5260MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

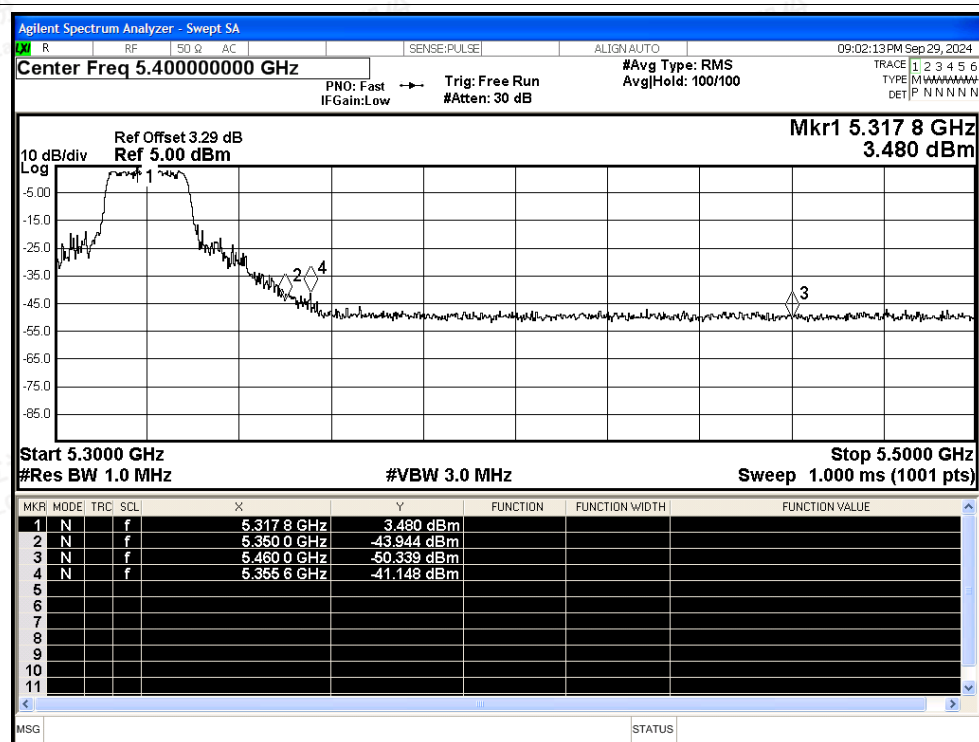
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

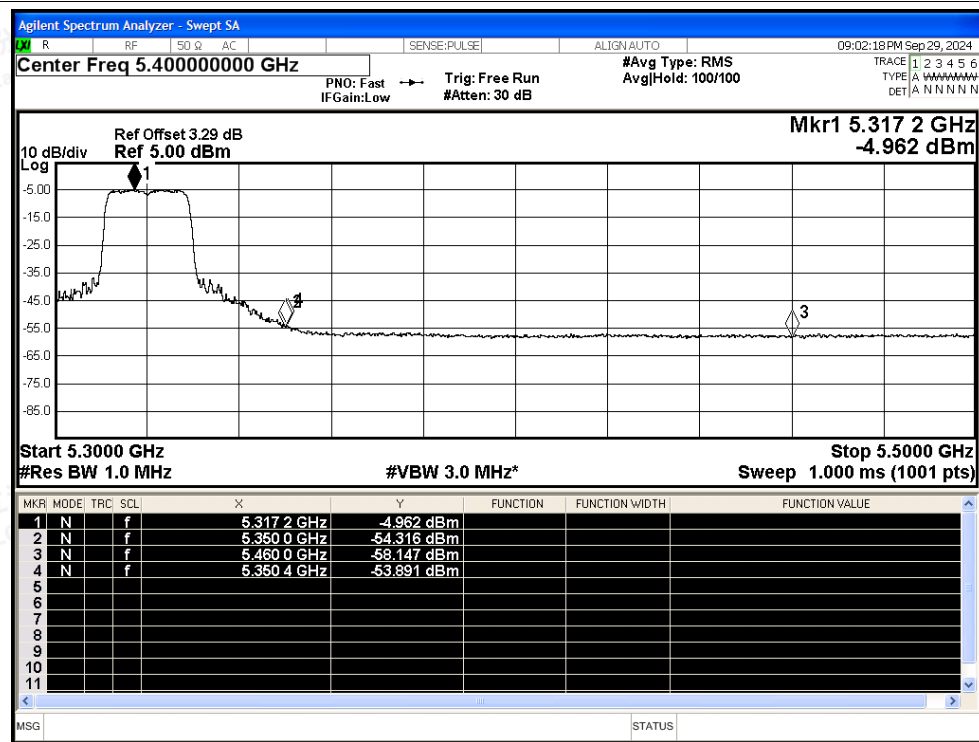
Scan code to check authenticity



## Restrict Band NVNT ax20 5320MHz Ant1 Peak



## Restrict Band NVNT ax20 5320MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

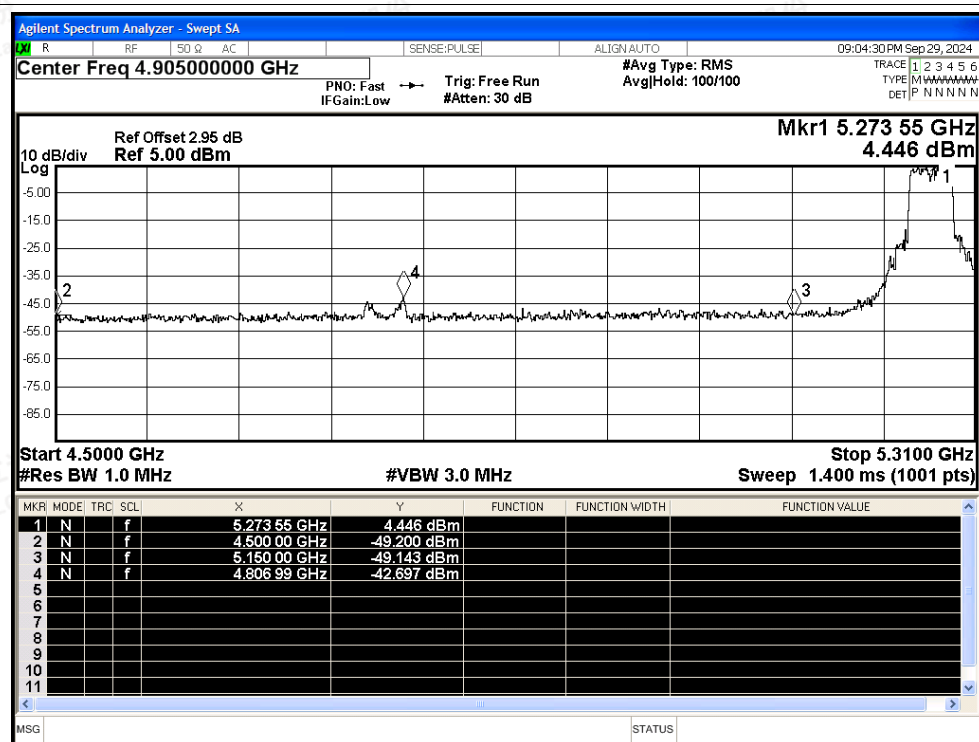
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

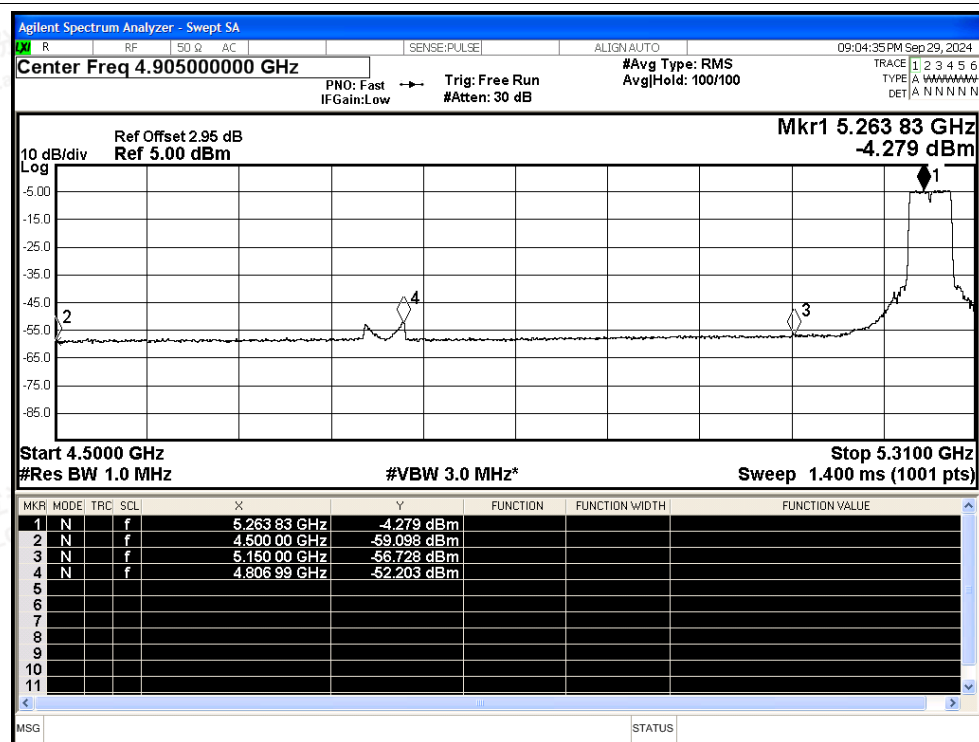
Scan code to check authenticity



## Restrict Band NVNT ax40 5270MHz Ant1 Peak



## Restrict Band NVNT ax40 5270MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

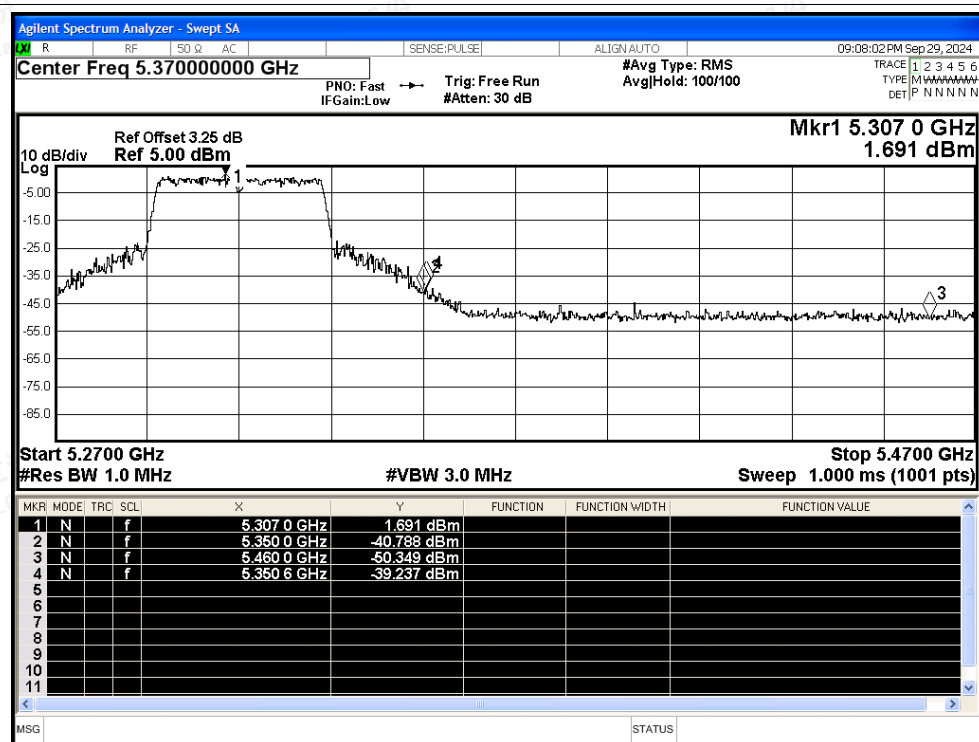
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

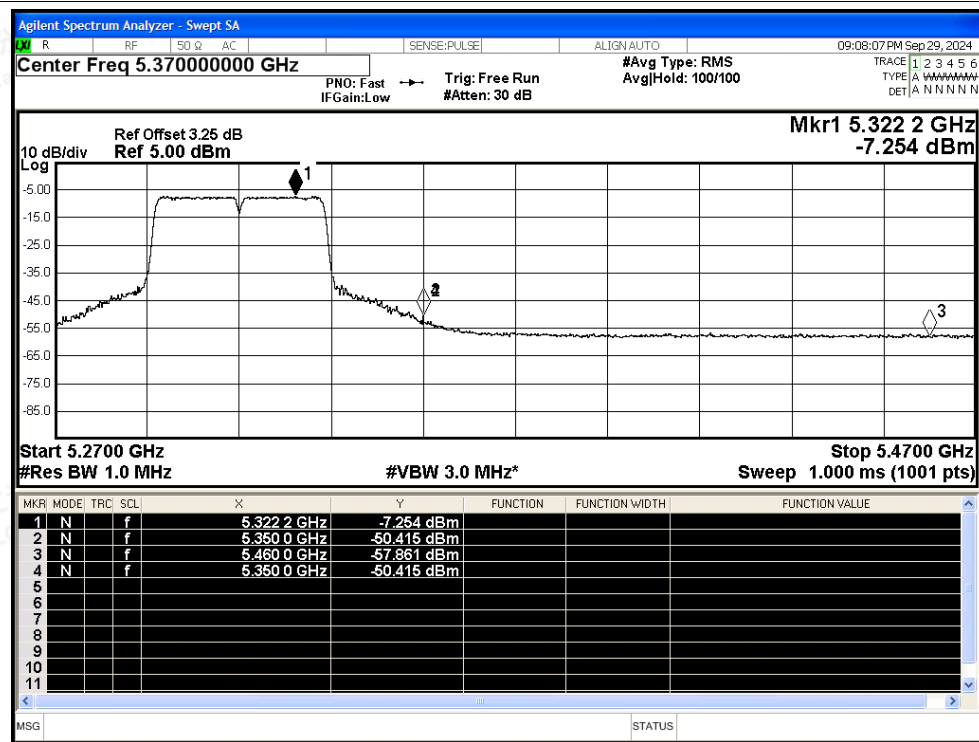
Scan code to check authenticity



## Restrict Band NVNT ax40 5310MHz Ant1 Peak



## Restrict Band NVNT ax40 5310MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

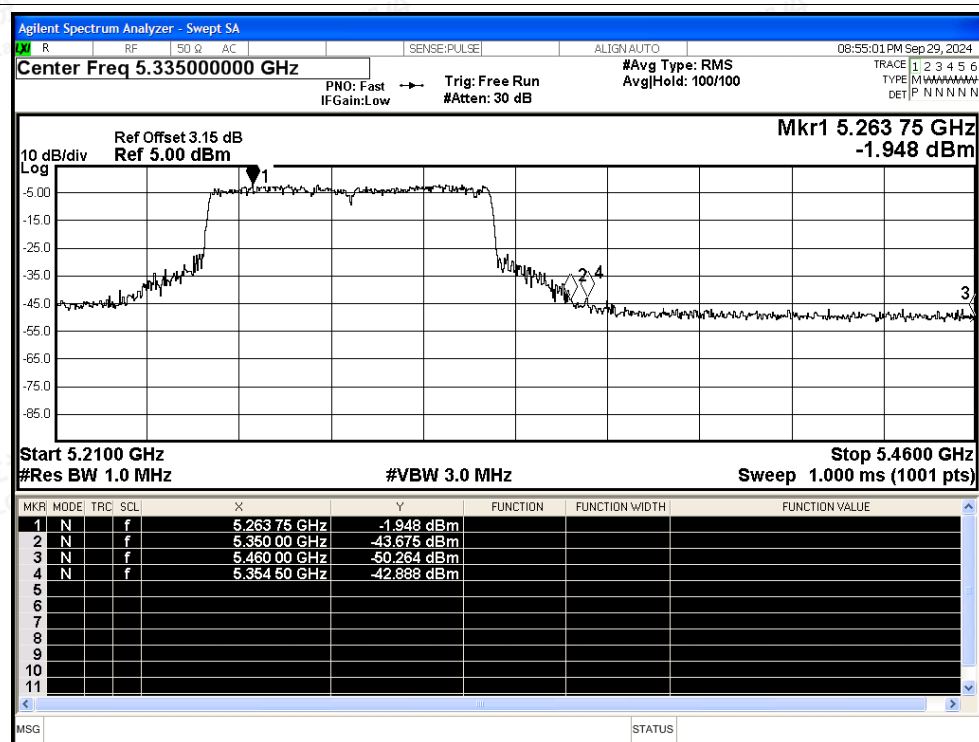
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

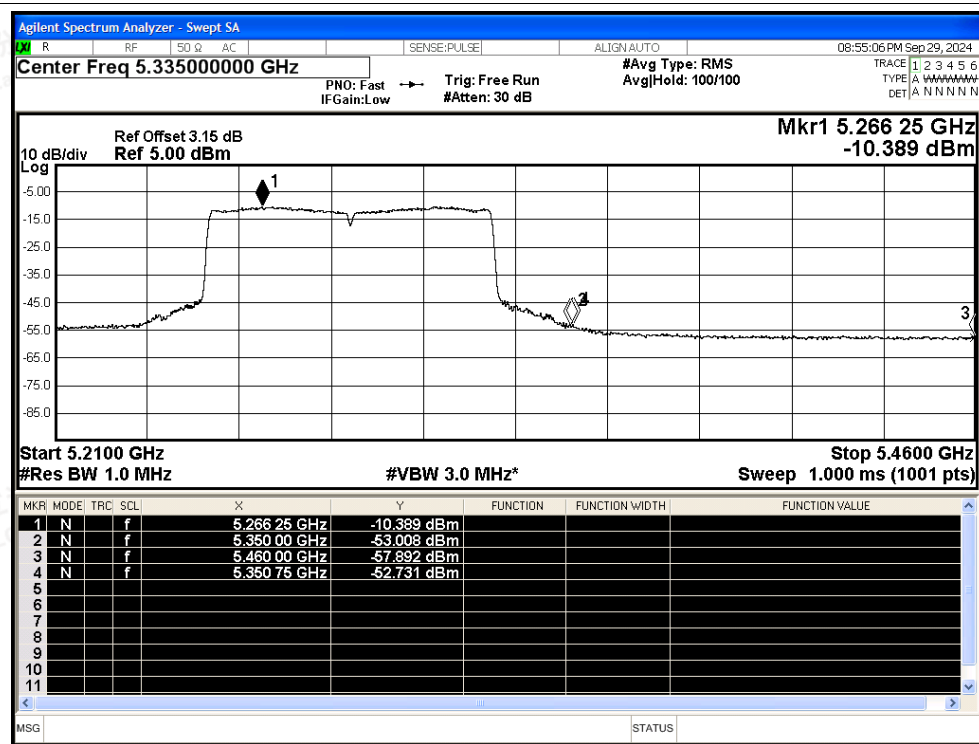
Scan code to check authenticity



## Restrict Band NVNT ax80 5290MHz Ant1 Peak



## Restrict Band NVNT ax80 5290MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

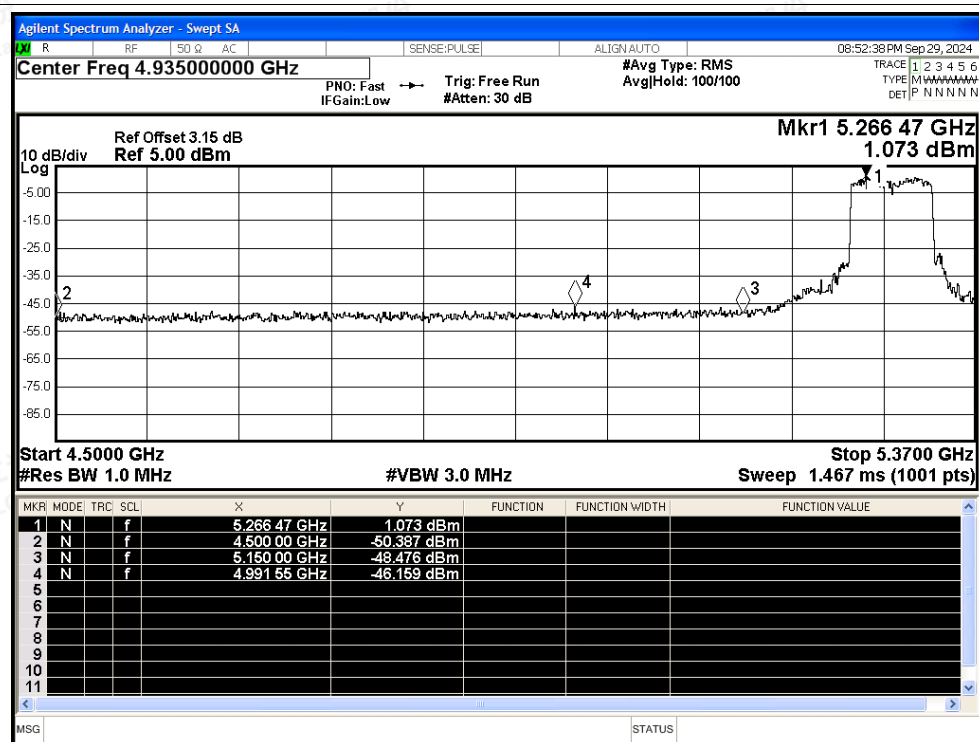
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

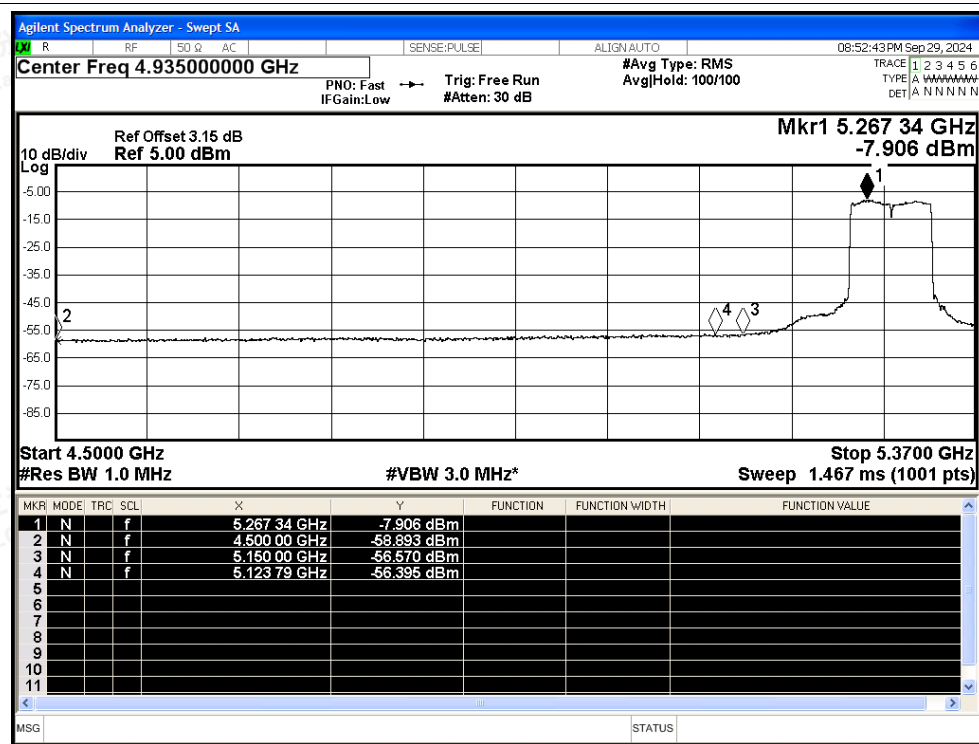
Scan code to check authenticity



## Restrict Band NVNT ax80 5290MHz Ant1 Peak



## Restrict Band NVNT ax80 5290MHz Ant1 Average



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## E.5 Frequency Stability

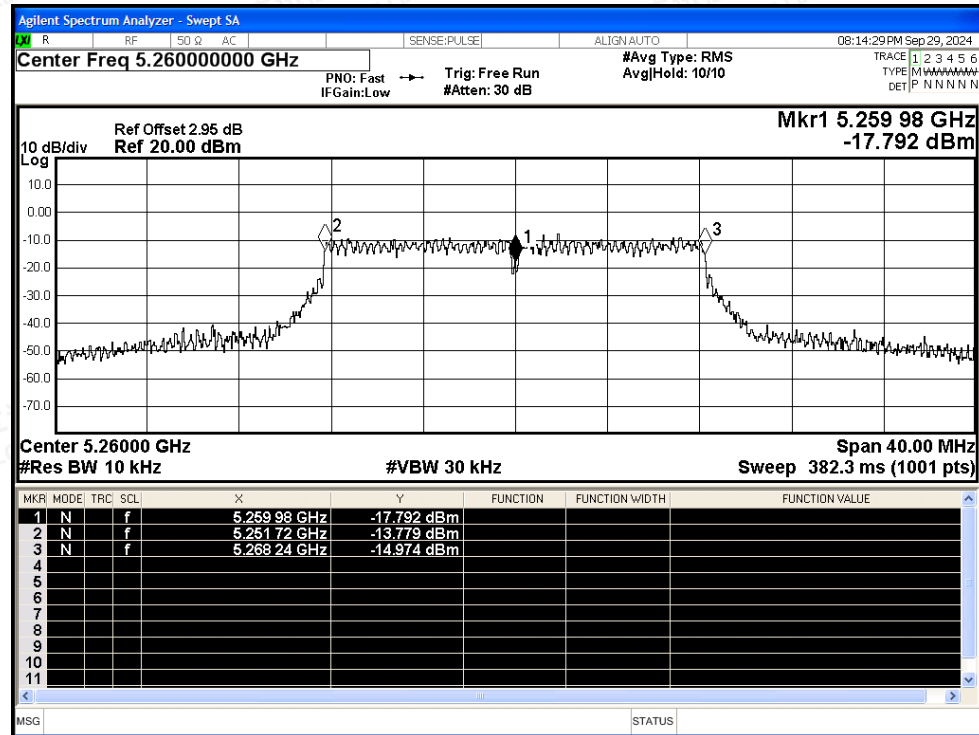
| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-----------|------|-----------------|---------|--------------------------|----------------------|-----------------|-------------|---------|
| NVNT      | a    | 5260            | Ant1    | 5259.98                  | -20000               | -3.8            | 25          | Pass    |
| NVNT      | a    | 5300            | Ant1    | 5300                     | 0                    | 0               | 25          | Pass    |
| NVNT      | a    | 5320            | Ant1    | 5319.98                  | -20000               | -3.76           | 25          | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 5259.98                  | -20000               | -3.8            | 25          | Pass    |
| NVNT      | n20  | 5300            | Ant1    | 5299.98                  | -20000               | -3.77           | 25          | Pass    |
| NVNT      | n20  | 5320            | Ant1    | 5319.98                  | -20000               | -3.76           | 25          | Pass    |
| NVNT      | n40  | 5270            | Ant1    | 5270                     | 0                    | 0               | 25          | Pass    |
| NVNT      | n40  | 5310            | Ant1    | 5310                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5260            | Ant1    | 5260                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5300            | Ant1    | 5300                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5320            | Ant1    | 5319.96                  | -40000               | -7.52           | 25          | Pass    |
| NVNT      | ac40 | 5270            | Ant1    | 5270                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac40 | 5310            | Ant1    | 5309.96                  | -40000               | -7.53           | 25          | Pass    |
| NVNT      | ac80 | 5290            | Ant1    | 5290                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ax20 | 5260            | Ant1    | 5260.02                  | 20000                | 3.8             | 25          | Pass    |
| NVNT      | ax20 | 5300            | Ant1    | 5299.98                  | -20000               | -3.77           | 25          | Pass    |
| NVNT      | ax20 | 5320            | Ant1    | 5319.98                  | -20000               | -3.76           | 25          | Pass    |
| NVNT      | ax40 | 5270            | Ant1    | 5270                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ax40 | 5310            | Ant1    | 5310                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ax80 | 5290            | Ant1    | 5290                     | 0                    | 0               | 25          | Pass    |



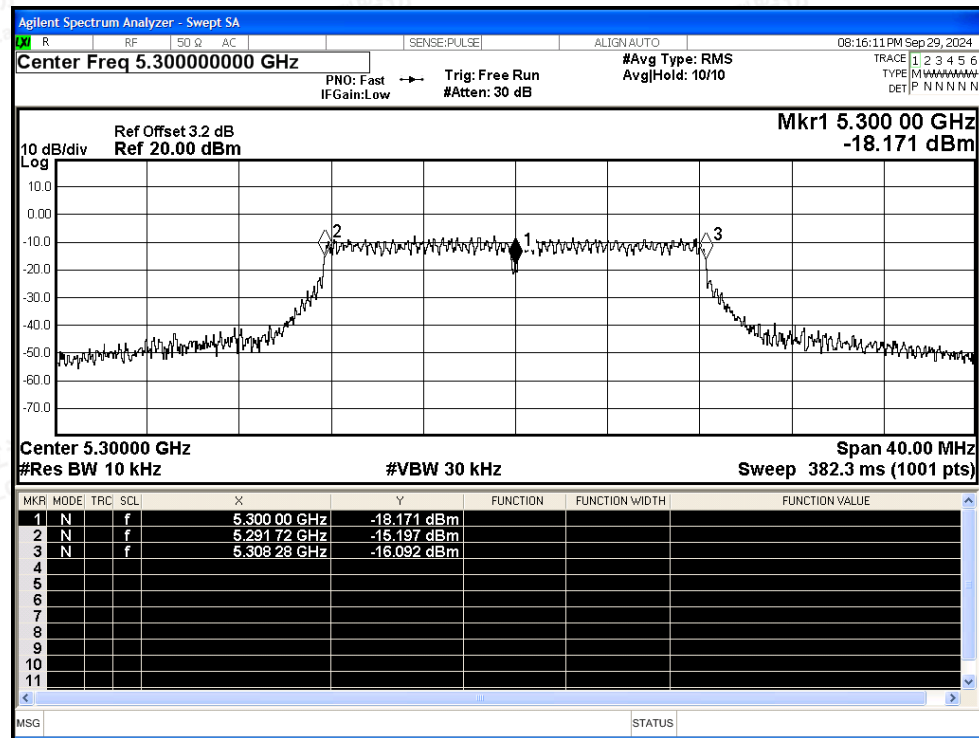


## Test Graphs

## Freq. Stability NVNT a 5260MHz Ant1



## Freq. Stability NVNT a 5300MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

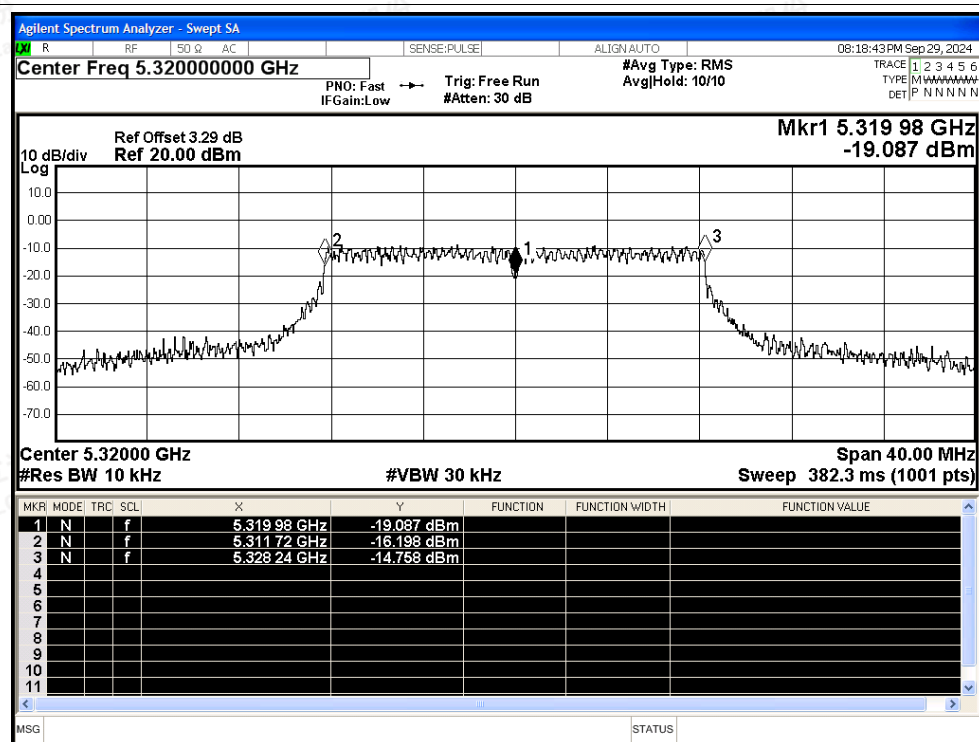
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

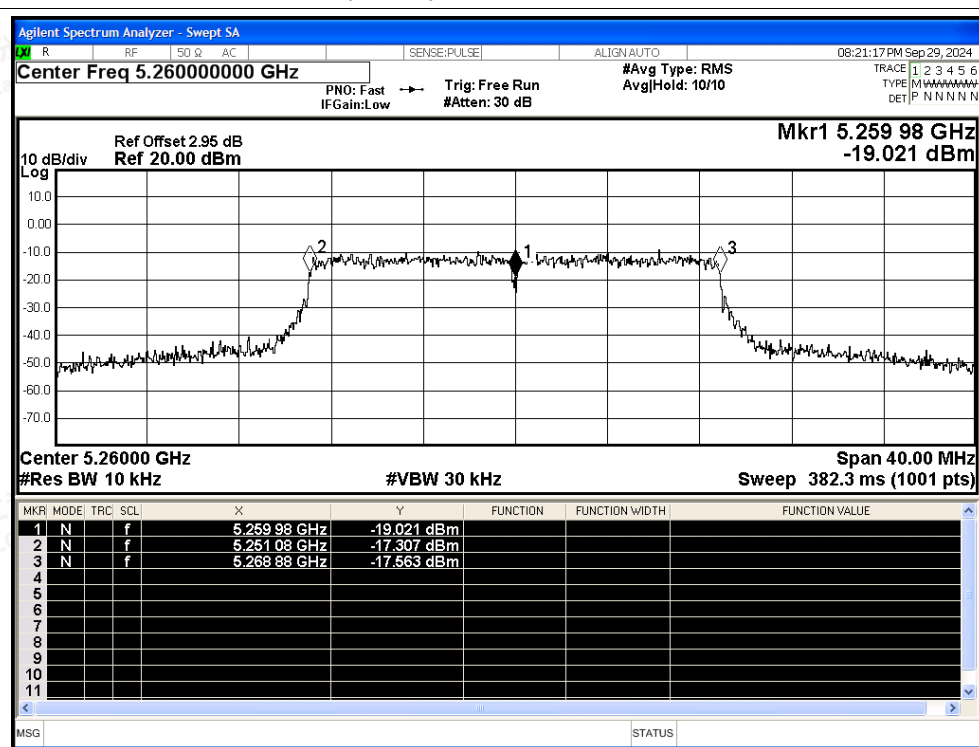
Scan code to check authenticity



## Freq. Stability NVNT a 5320MHz Ant1



## Freq. Stability NVNT n20 5260MHz Ant1

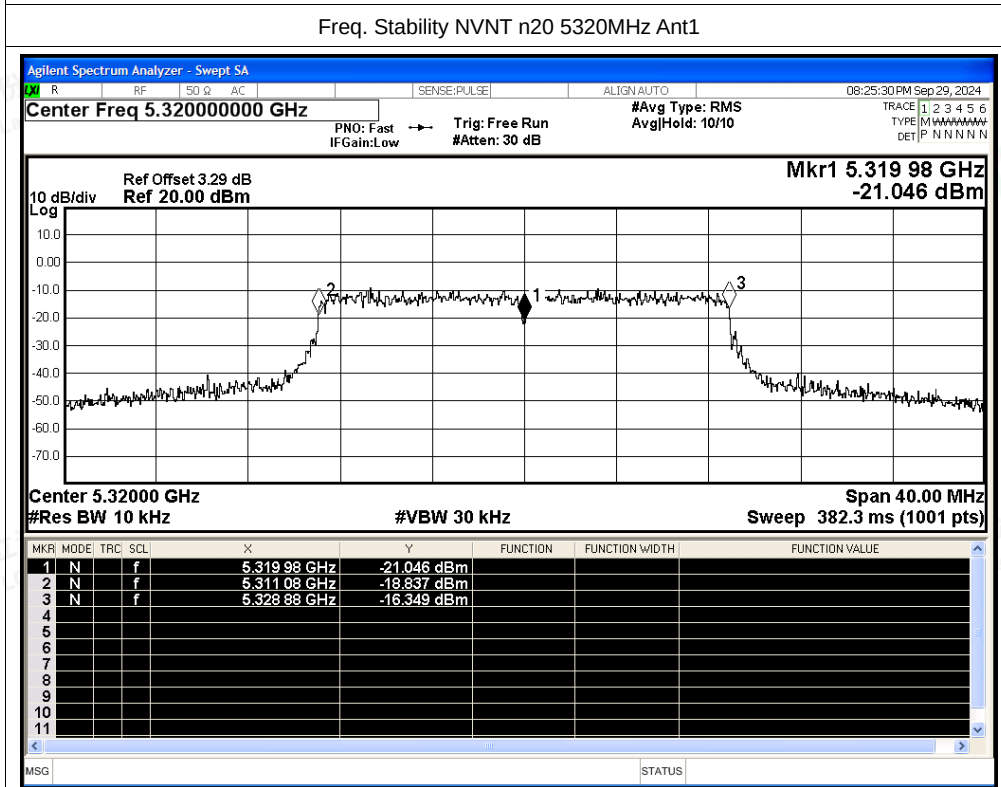
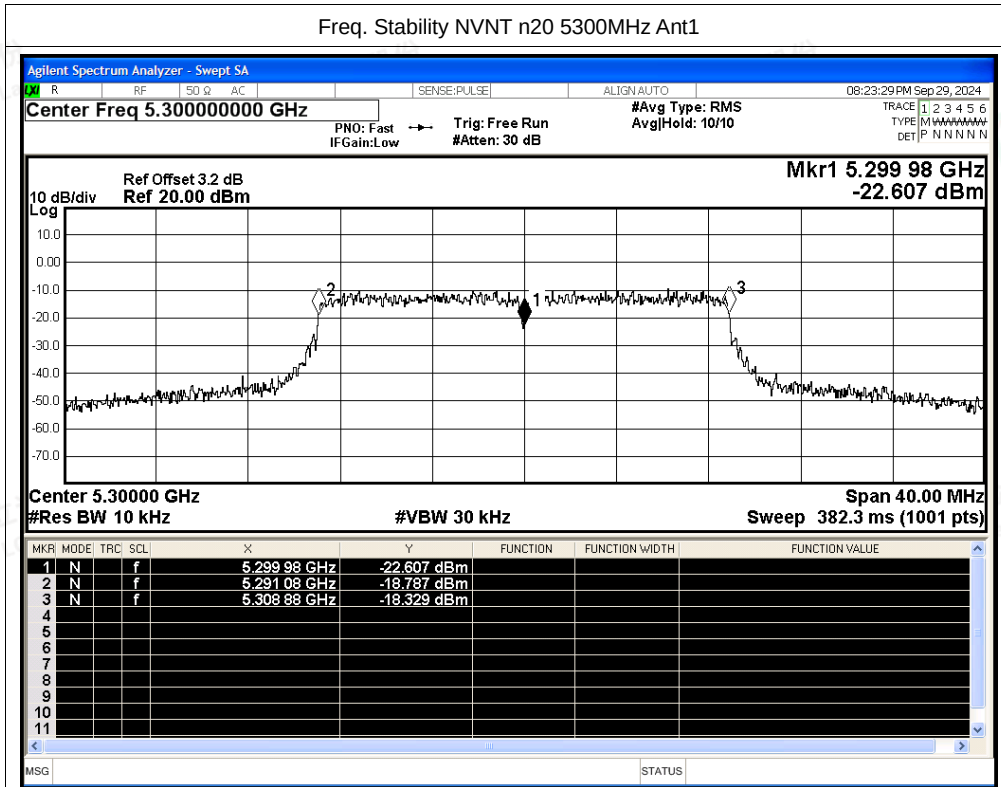


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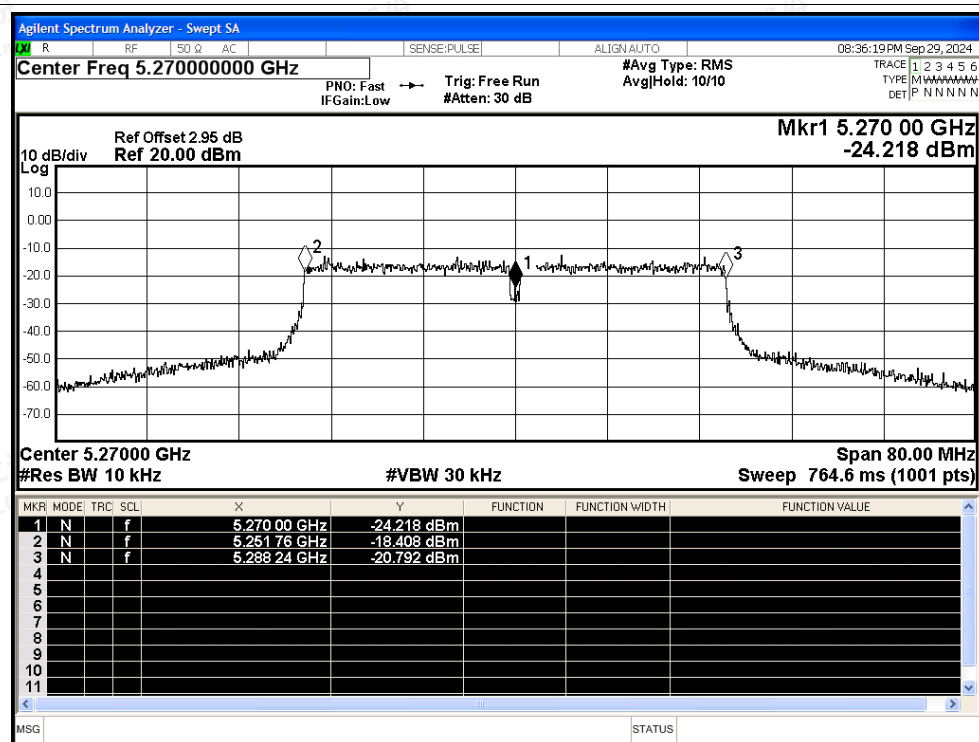
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

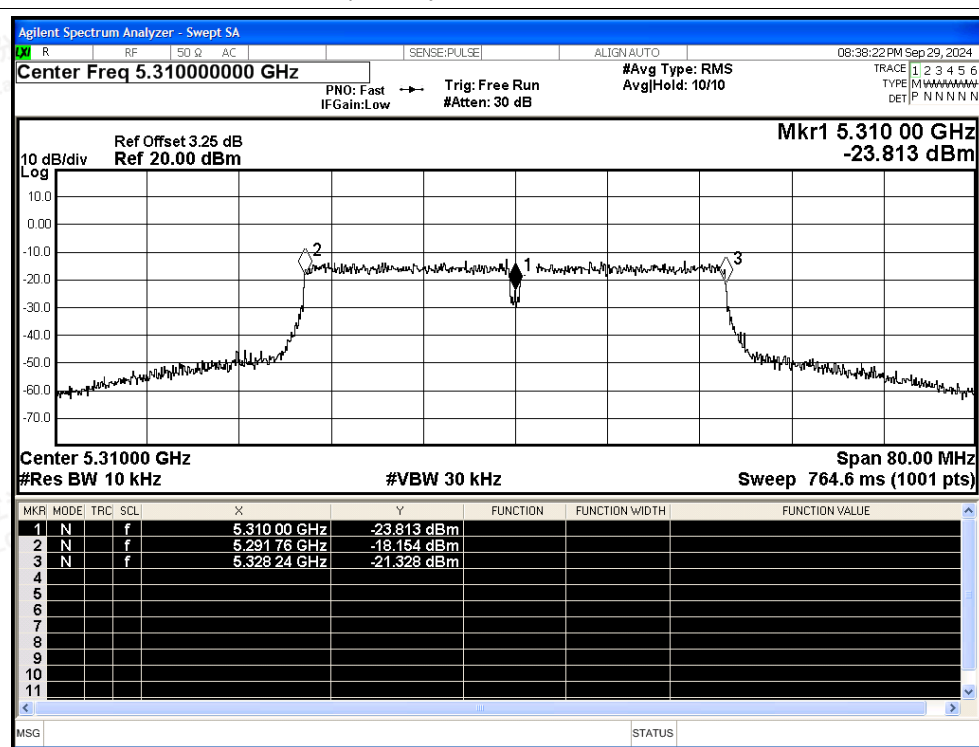
Scan code to check authenticity



## Freq. Stability NVNT n40 5270MHz Ant1



## Freq. Stability NVNT n40 5310MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

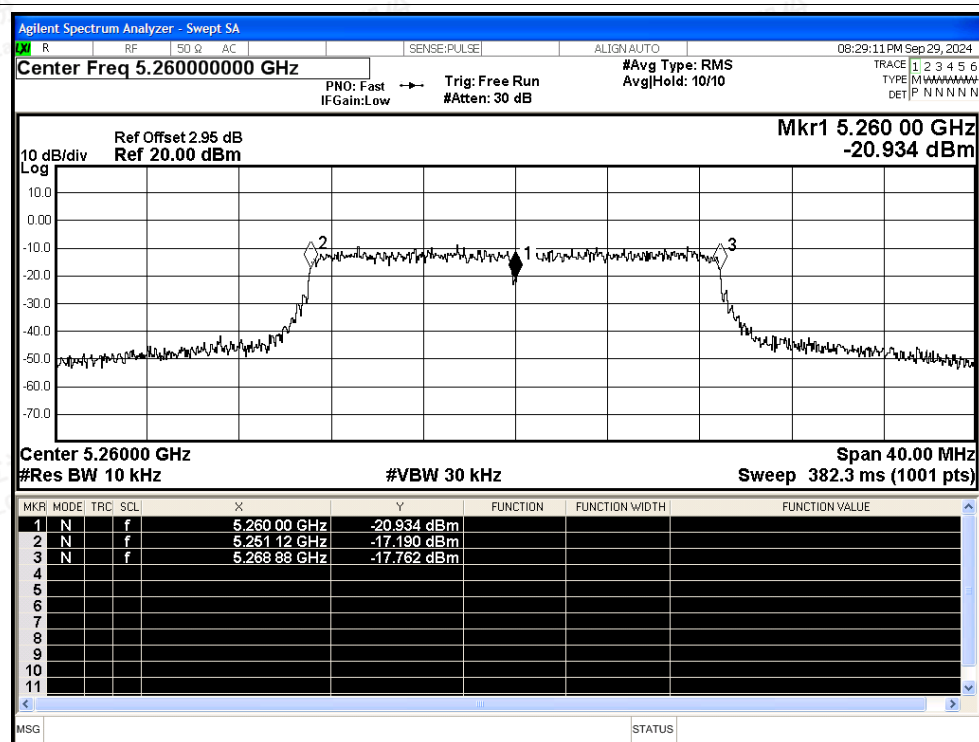
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

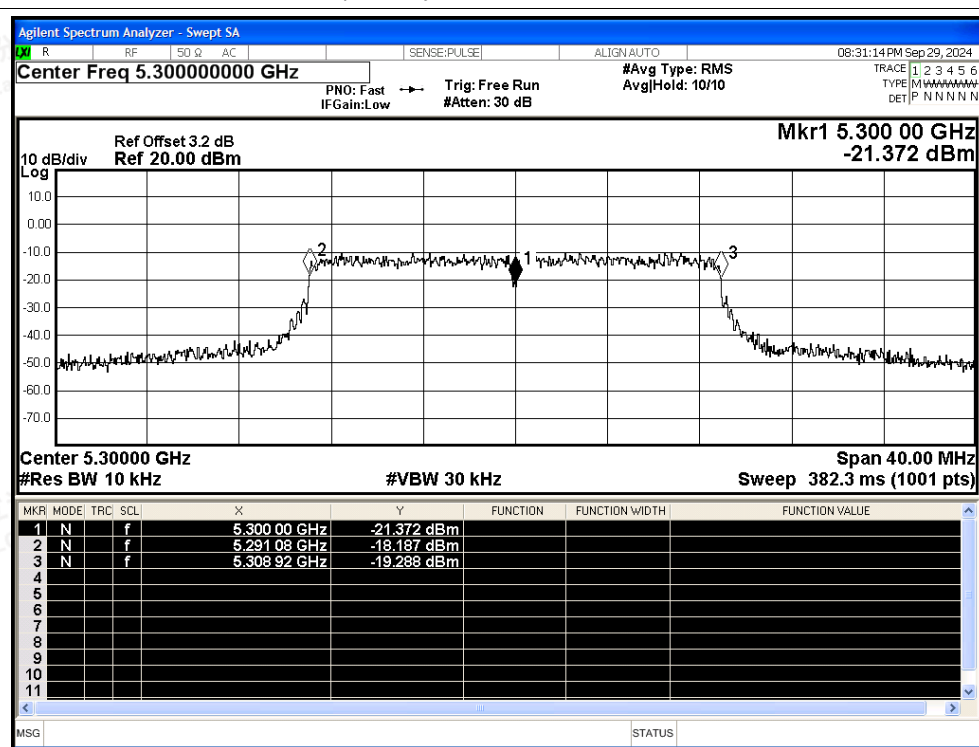
Scan code to check authenticity



## Freq. Stability NVNT ac20 5260MHz Ant1



## Freq. Stability NVNT ac20 5300MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

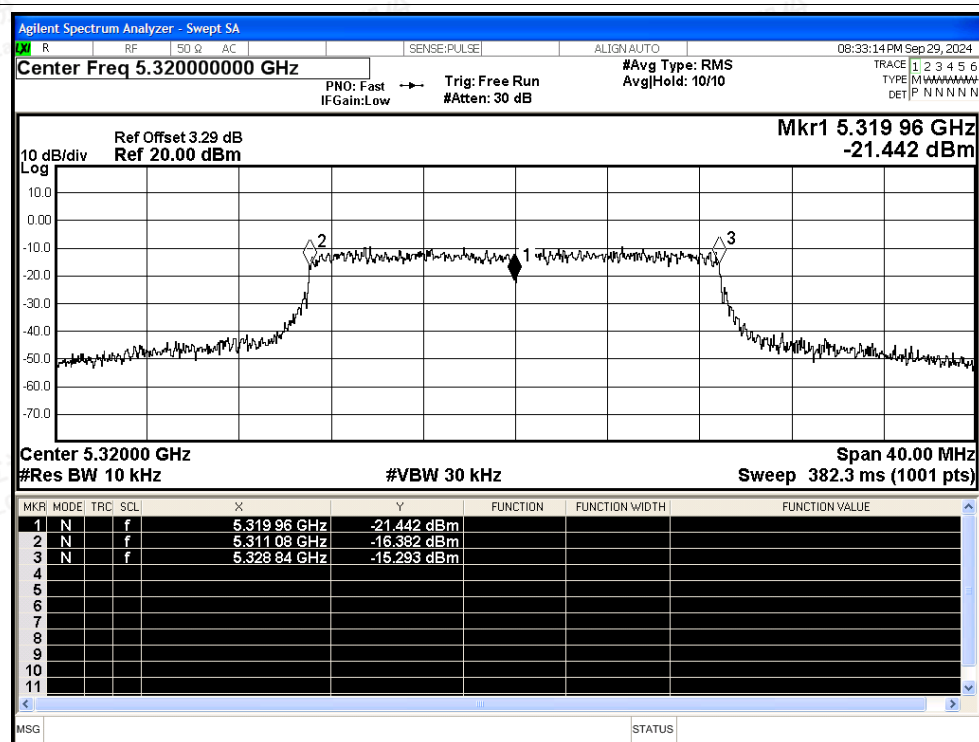
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

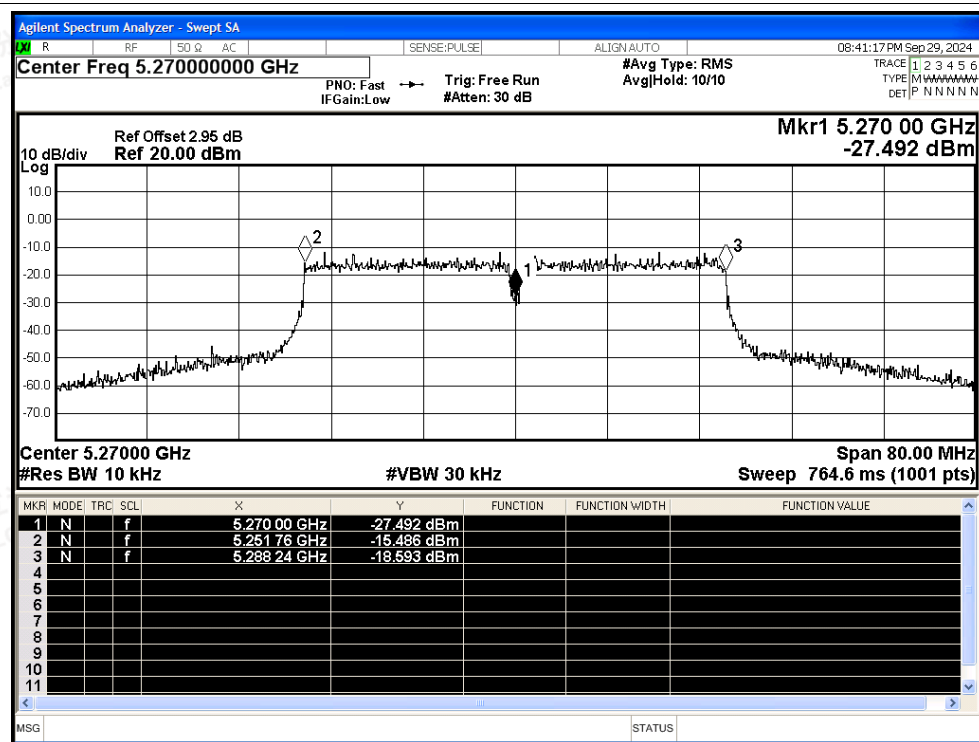
Scan code to check authenticity



## Freq. Stability NVNT ac20 5320MHz Ant1



## Freq. Stability NVNT ac40 5270MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

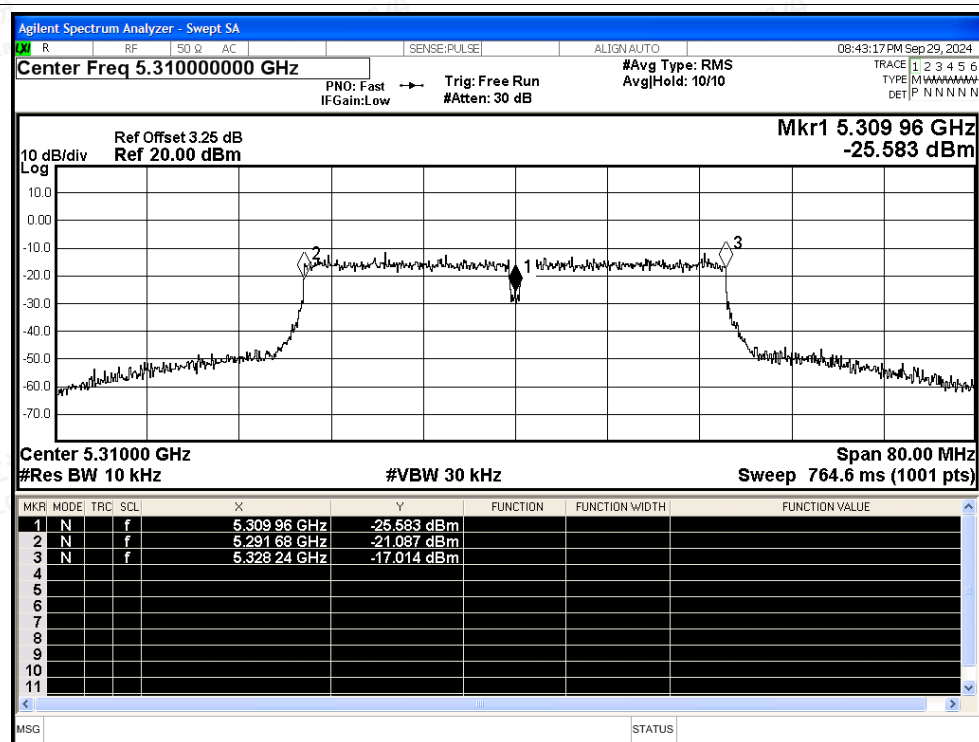
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

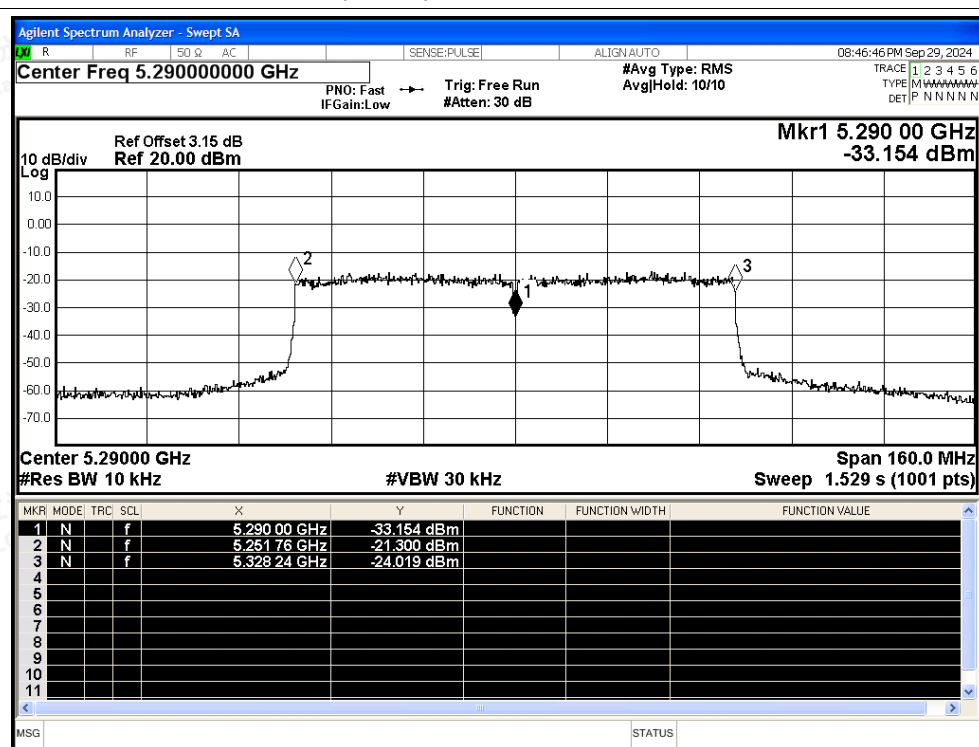
Scan code to check authenticity



## Freq. Stability NVNT ac40 5310MHz Ant1



## Freq. Stability NVNT ac80 5290MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

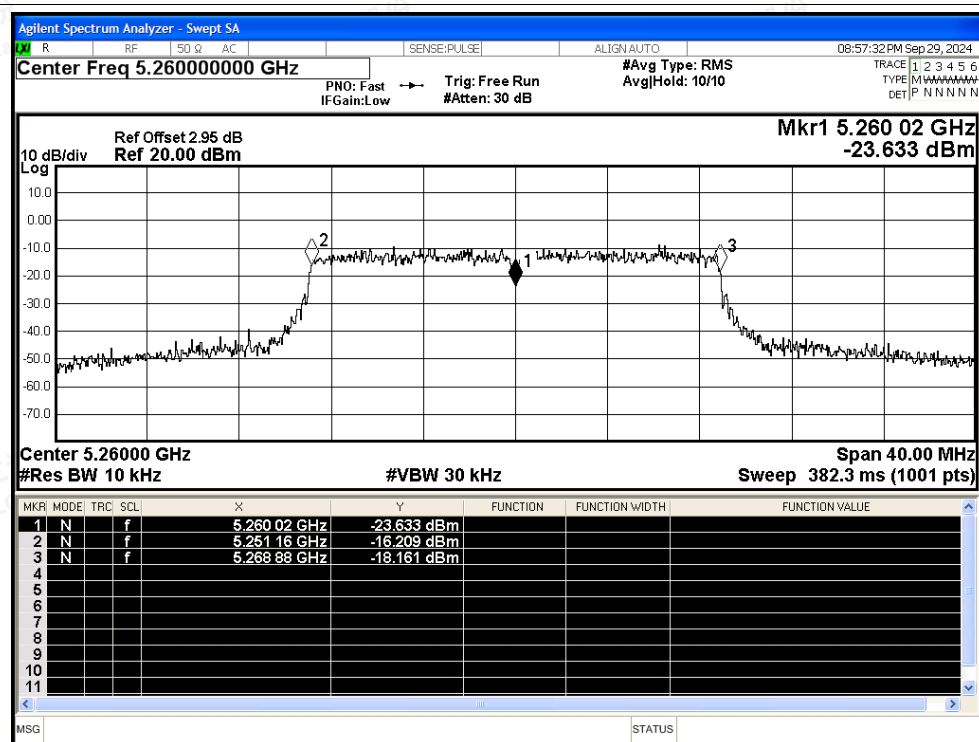
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

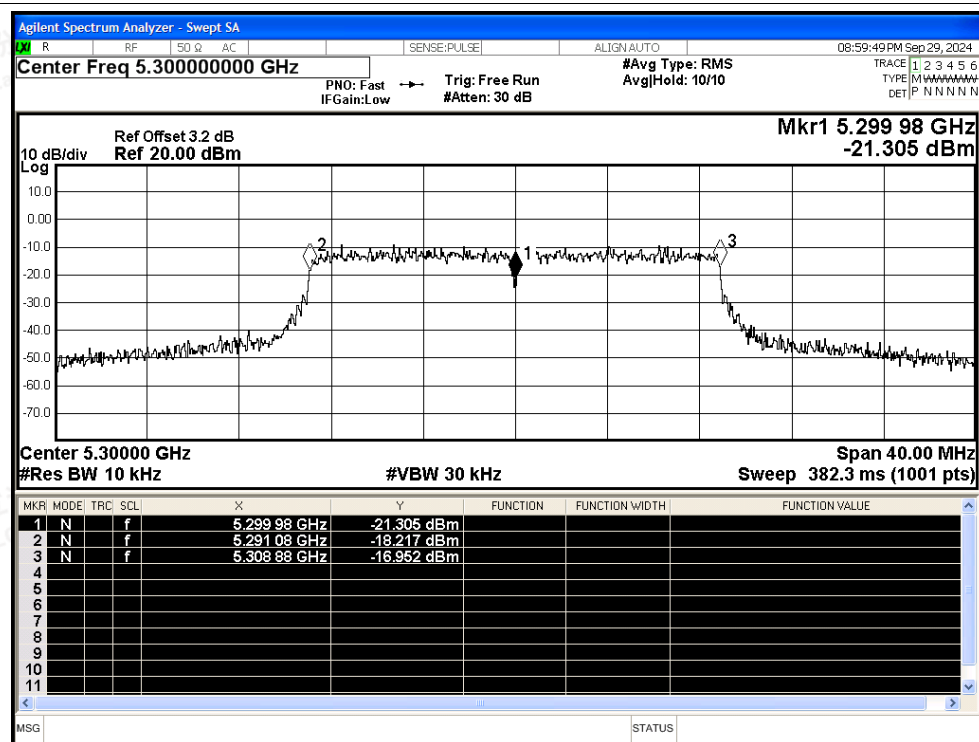
Scan code to check authenticity



## Freq. Stability NVNT ax20 5260MHz Ant1



## Freq. Stability NVNT ax20 5300MHz Ant1



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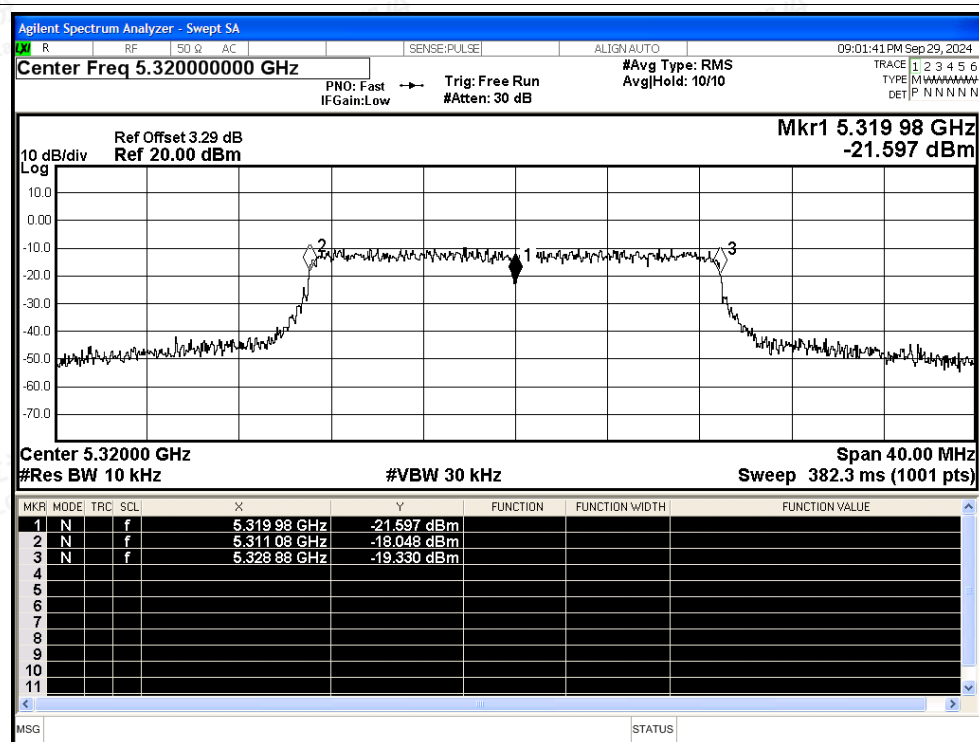
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

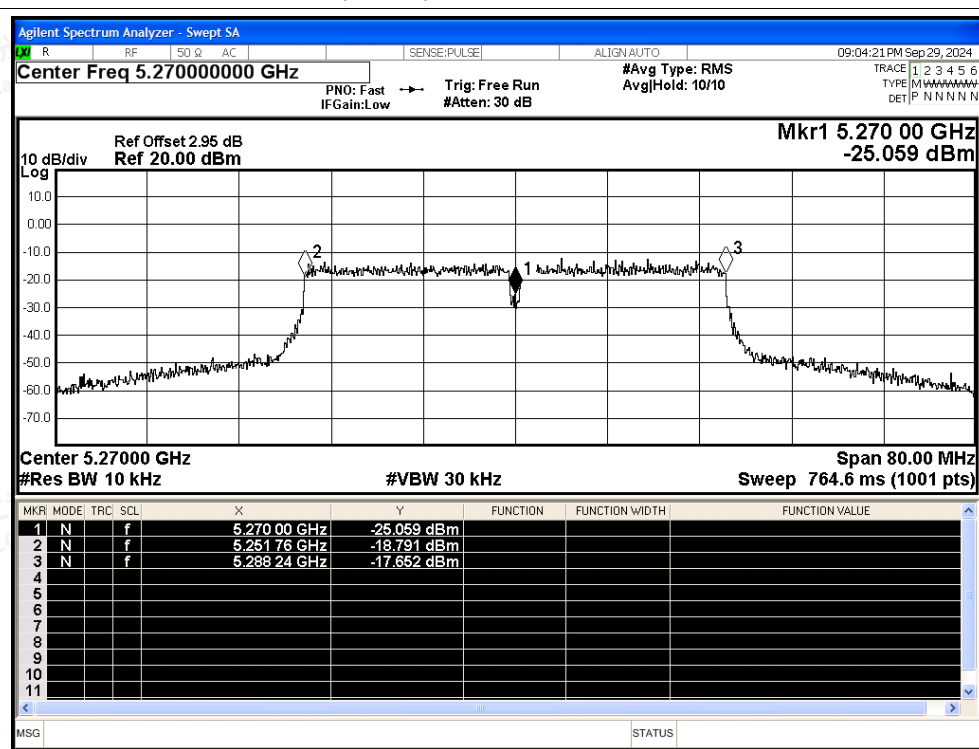
Scan code to check authenticity



## Freq. Stability NVNT ax20 5320MHz Ant1



## Freq. Stability NVNT ax40 5270MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

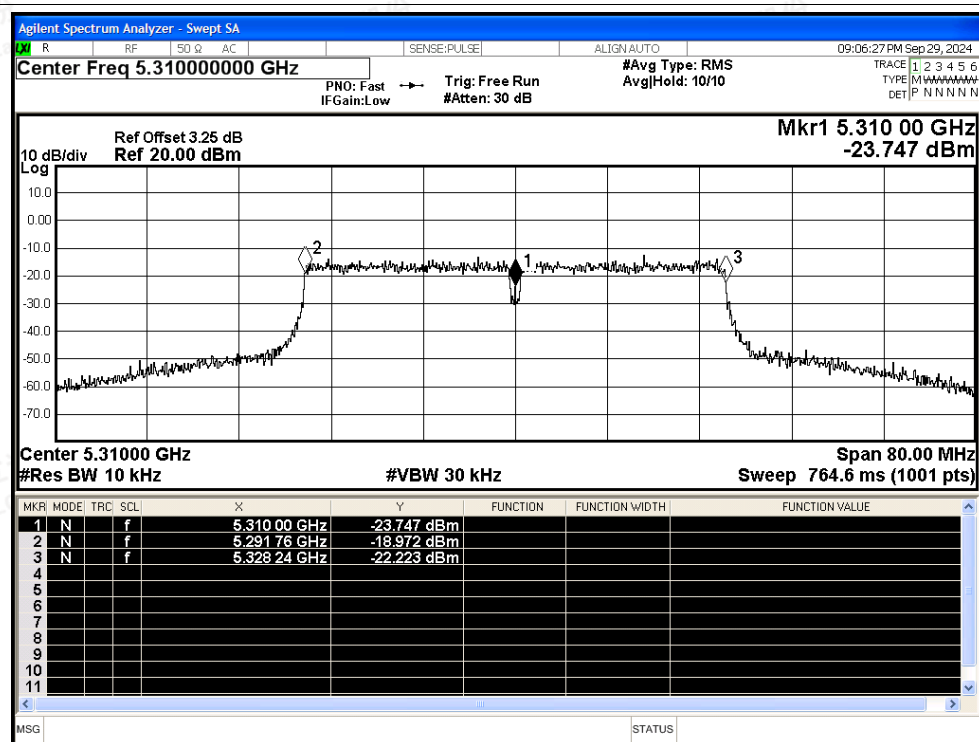
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

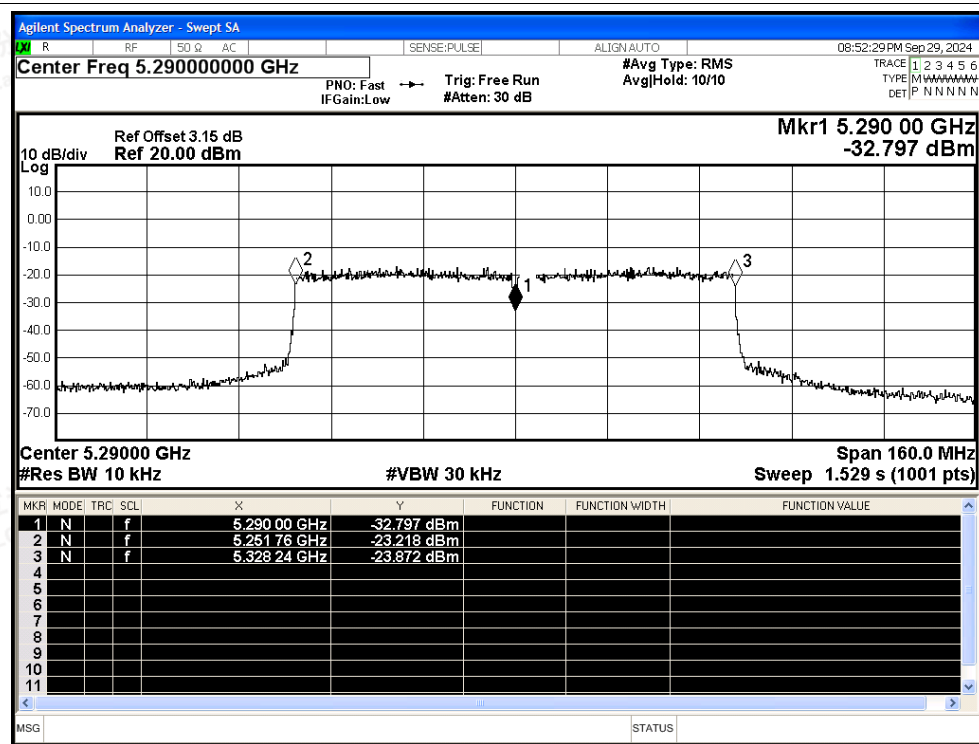
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## Freq. Stability NVNT ax40 5310MHz Ant1



## Freq. Stability NVNT ax80 5290MHz Ant1



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## E.6 Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5260            | Ant1    | 94.65          | 0.24                   | 0.91      |
| NVNT      | a    | 5300            | Ant1    | 94.65          | 0.24                   | 0.91      |
| NVNT      | a    | 5320            | Ant1    | 94.56          | 0.24                   | 0.91      |
| NVNT      | n20  | 5260            | Ant1    | 97.33          | 0.12                   | 0.44      |
| NVNT      | n20  | 5300            | Ant1    | 97.29          | 0.12                   | 0.44      |
| NVNT      | n20  | 5320            | Ant1    | 97.29          | 0.12                   | 0.44      |
| NVNT      | n40  | 5270            | Ant1    | 97.18          | 0.12                   | 0.46      |
| NVNT      | n40  | 5310            | Ant1    | 97.18          | 0.12                   | 0.46      |
| NVNT      | ac20 | 5260            | Ant1    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ac20 | 5300            | Ant1    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ac20 | 5320            | Ant1    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ac40 | 5270            | Ant1    | 97.19          | 0.12                   | 0.46      |
| NVNT      | ac40 | 5310            | Ant1    | 97.24          | 0.12                   | 0.46      |
| NVNT      | ac80 | 5290            | Ant1    | 94.32          | 0.25                   | 0.97      |
| NVNT      | ax20 | 5260            | Ant1    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ax20 | 5300            | Ant1    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ax20 | 5320            | Ant1    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ax40 | 5270            | Ant1    | 97.19          | 0.12                   | 0.46      |
| NVNT      | ax40 | 5310            | Ant1    | 97.19          | 0.12                   | 0.46      |
| NVNT      | ax80 | 5290            | Ant1    | 94.32          | 0.25                   | 0.97      |



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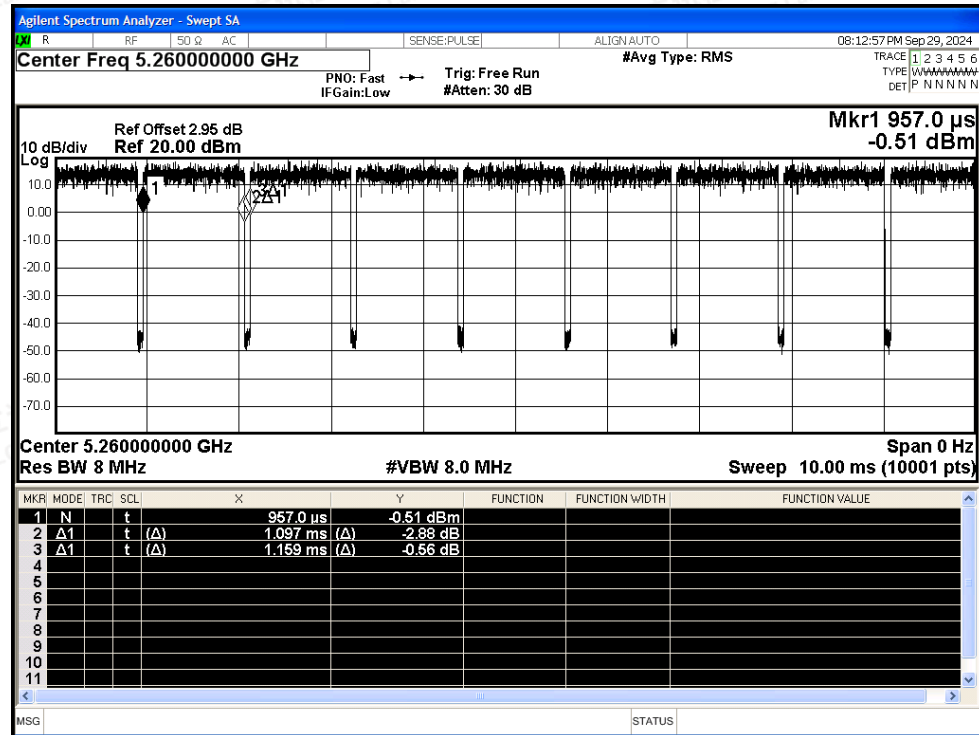
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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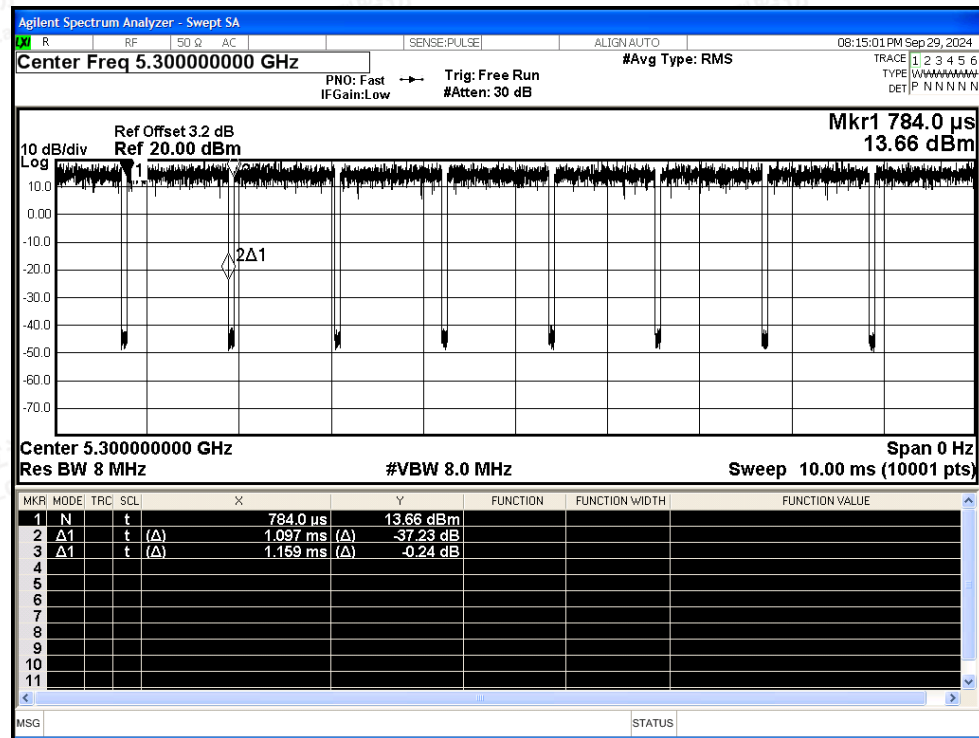


## Test Graphs

## Duty Cycle NVNT a 5260MHz Ant1



## Duty Cycle NVNT a 5300MHz Ant1



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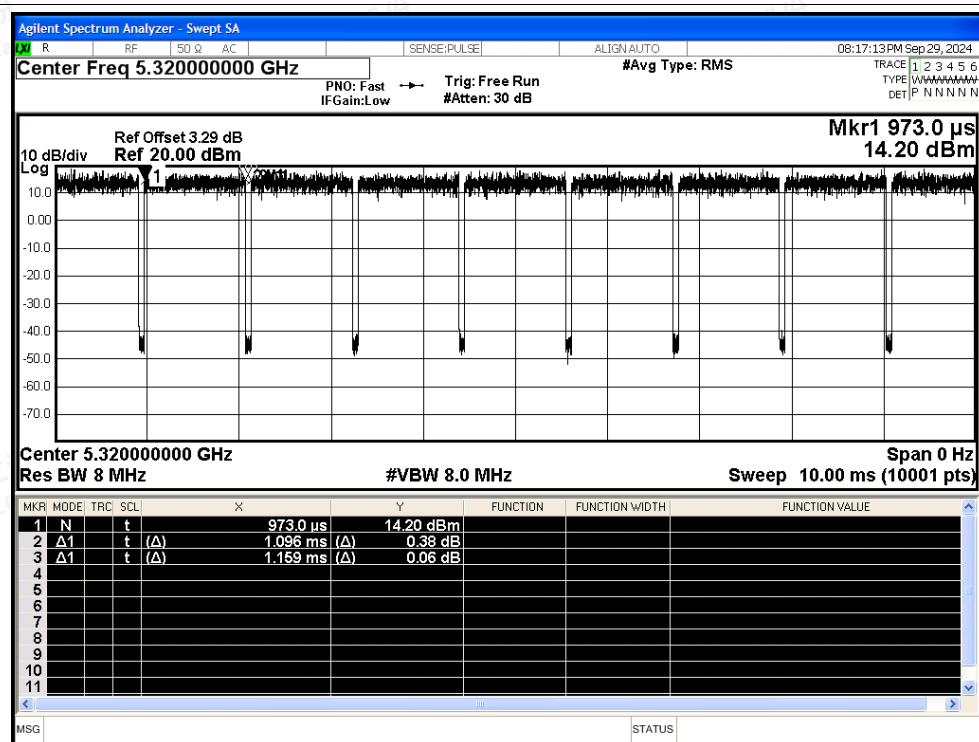
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

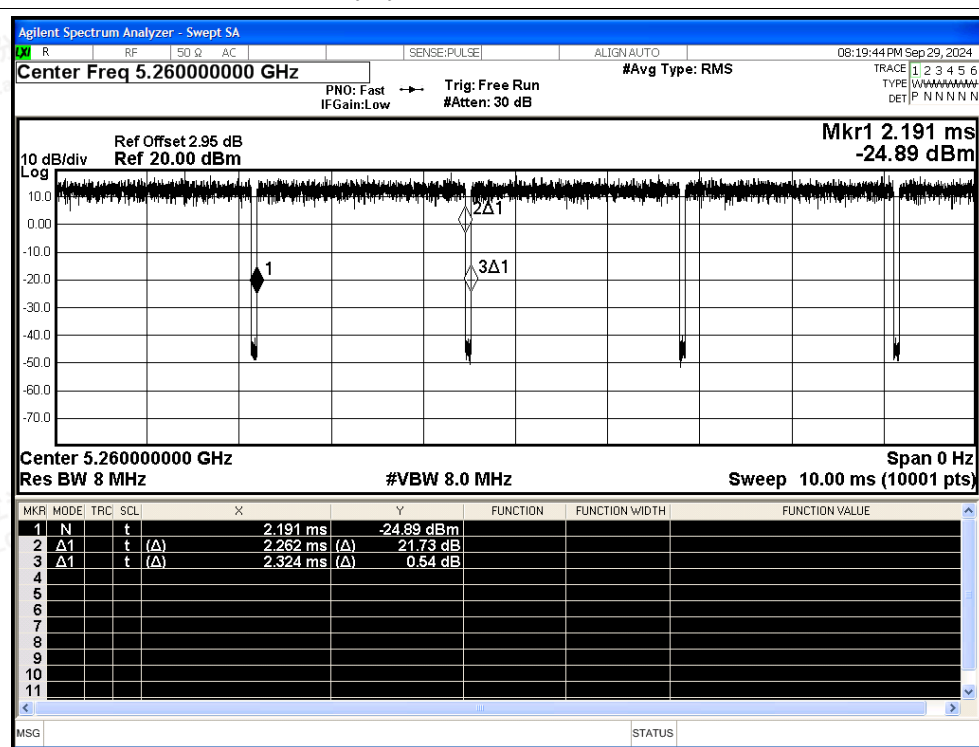
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## Duty Cycle NVNT a 5320MHz Ant1



## Duty Cycle NVNT n20 5260MHz Ant1



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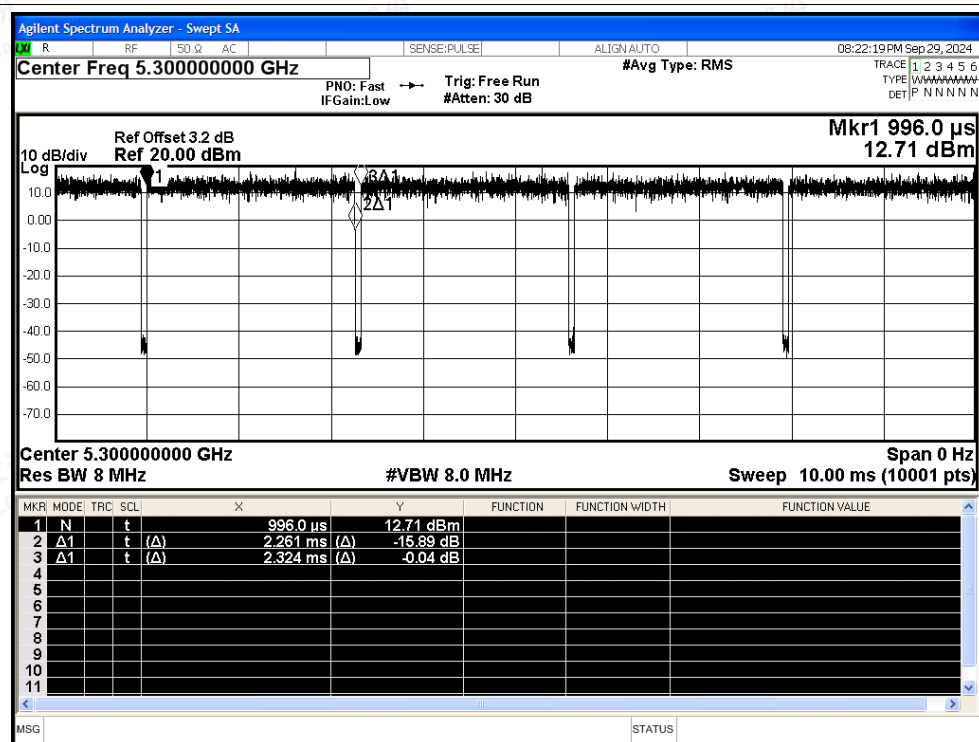
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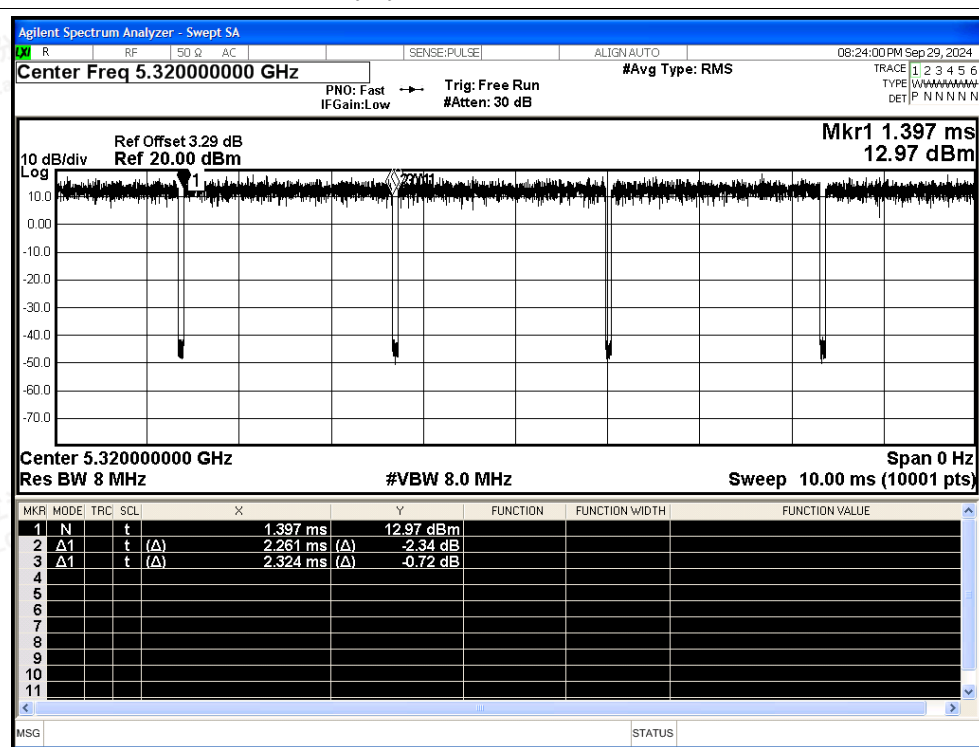
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## Duty Cycle NVNT n20 5300MHz Ant1



## Duty Cycle NVNT n20 5320MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

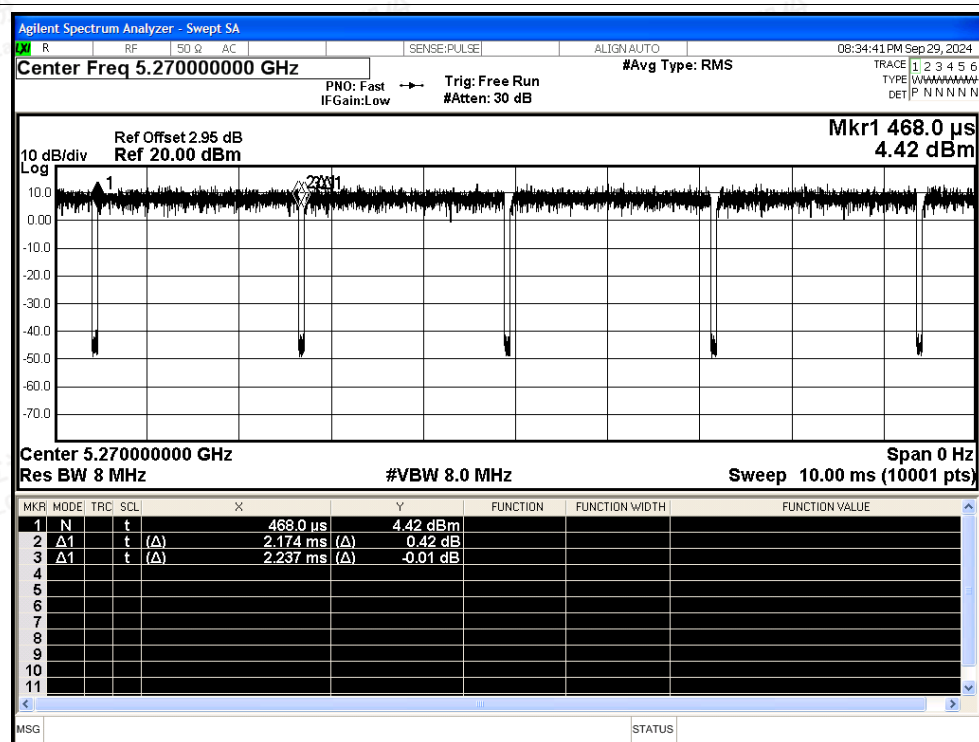
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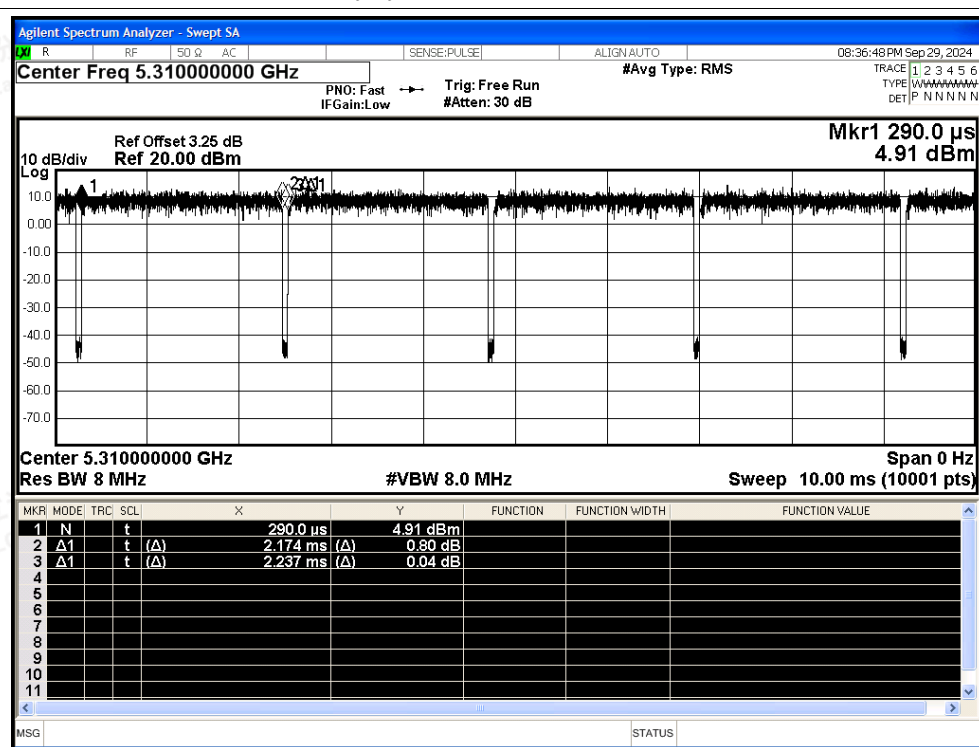
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## Duty Cycle NVNT n40 5270MHz Ant1



## Duty Cycle NVNT n40 5310MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

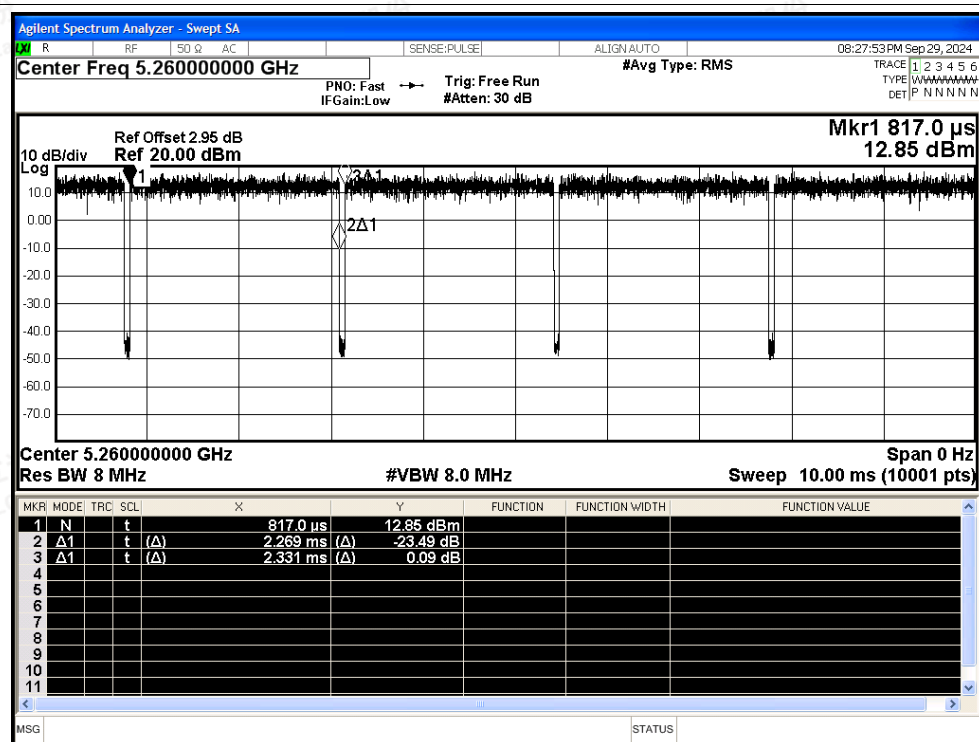
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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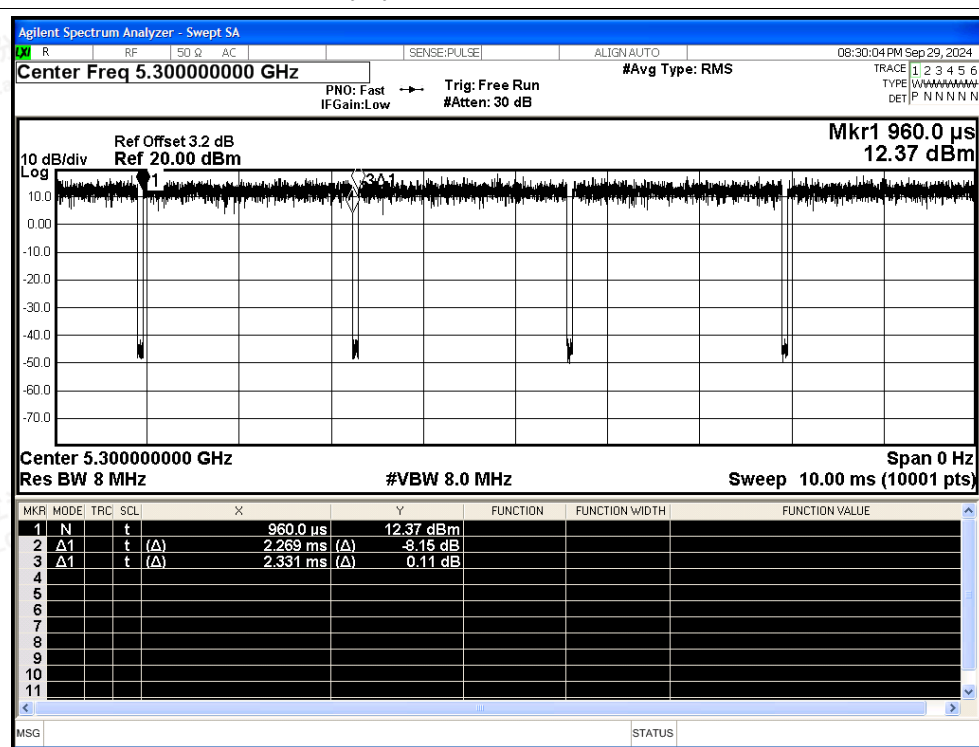
Scan code to check authenticity



## Duty Cycle NVNT ac20 5260MHz Ant1



## Duty Cycle NVNT ac20 5300MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

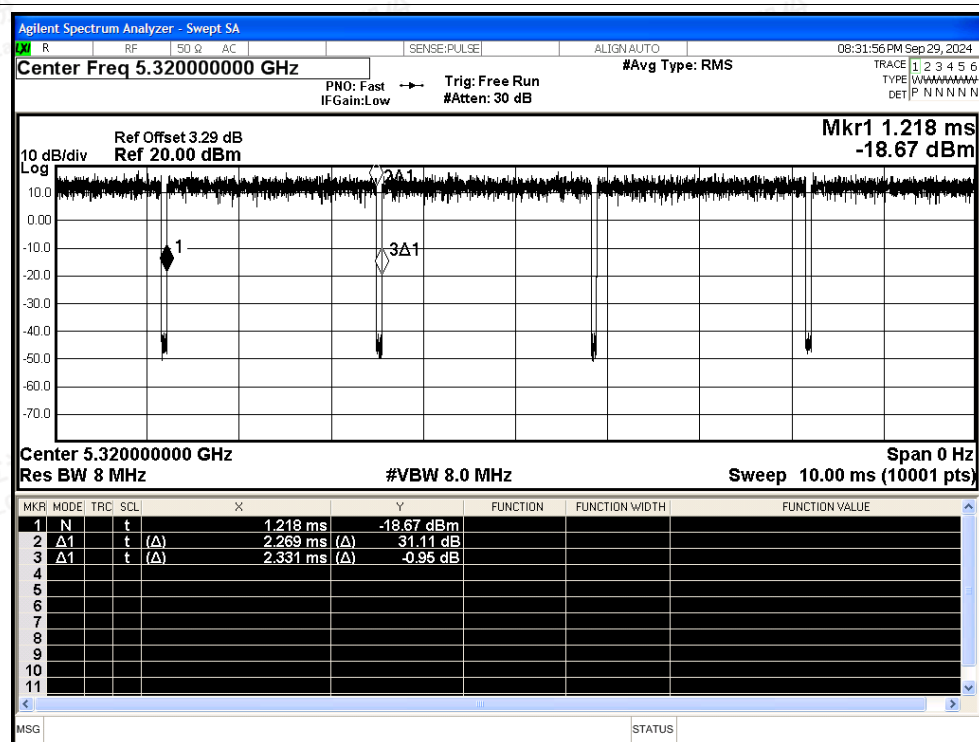
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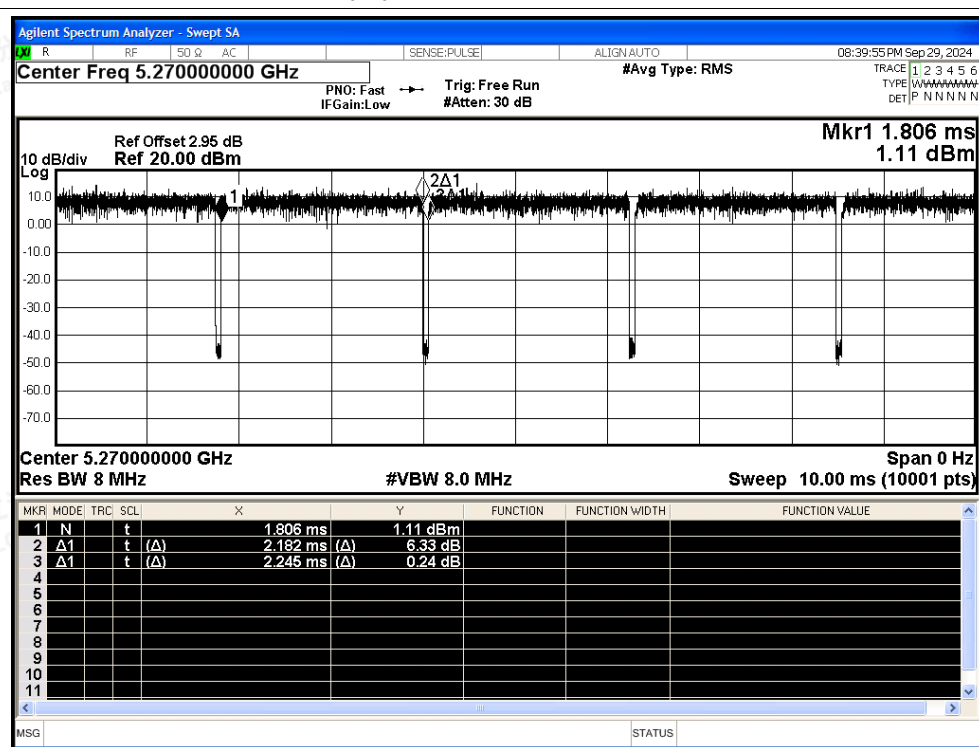
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## Duty Cycle NVNT ac20 5320MHz Ant1



## Duty Cycle NVNT ac40 5270MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

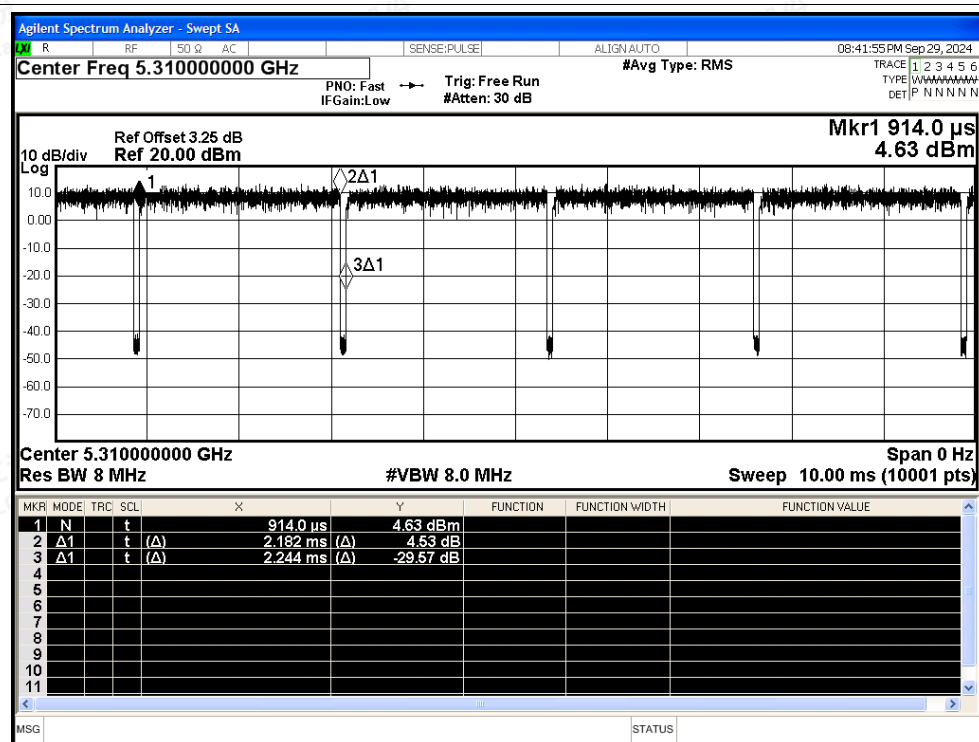
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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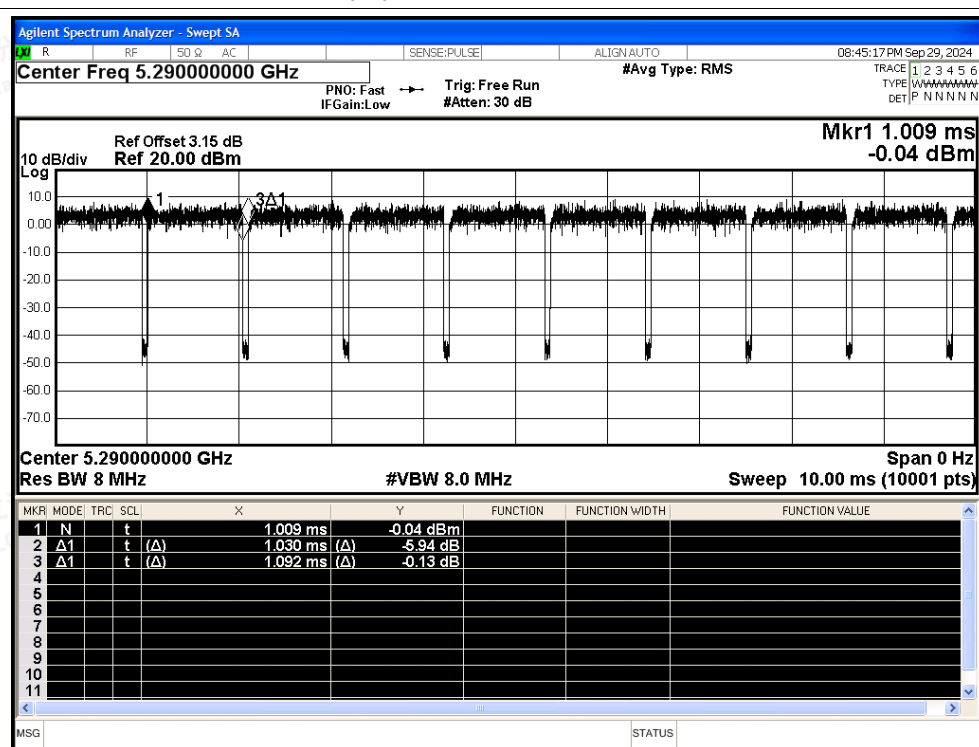
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## Duty Cycle NVNT ac40 5310MHz Ant1



## Duty Cycle NVNT ac80 5290MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

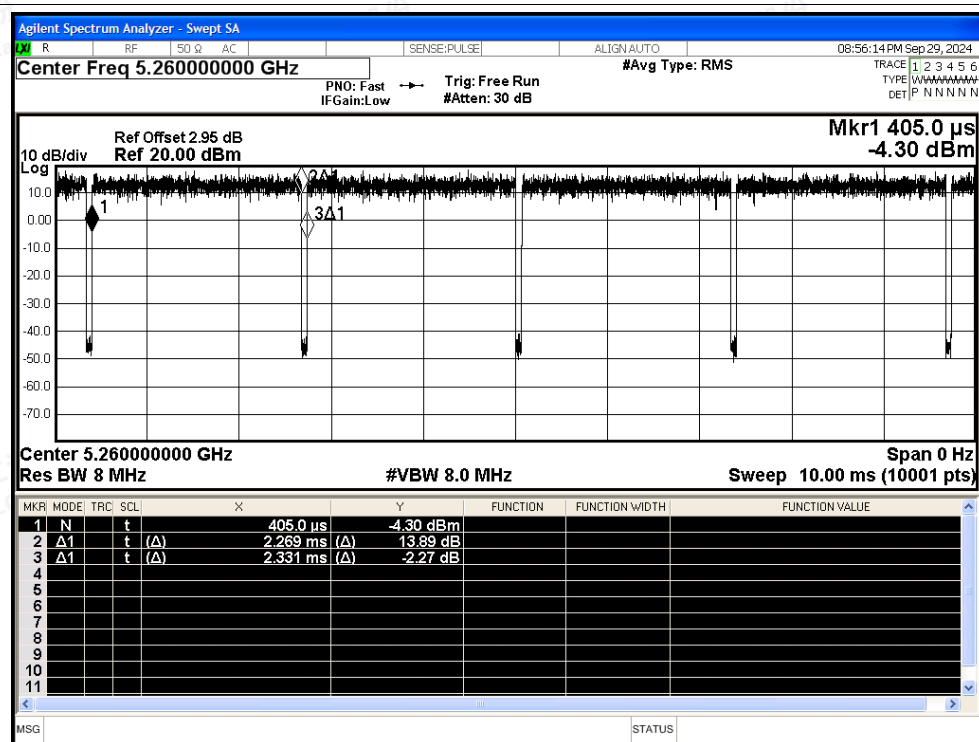
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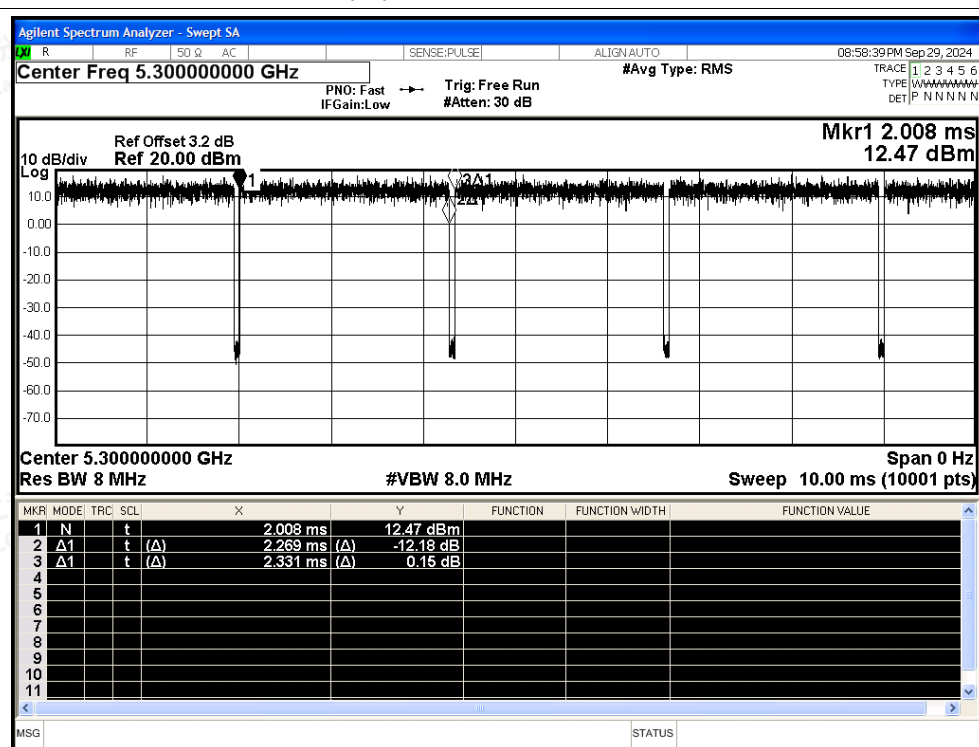
Scan code to check authenticity



## Duty Cycle NVNT ax20 5260MHz Ant1



## Duty Cycle NVNT ax20 5300MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

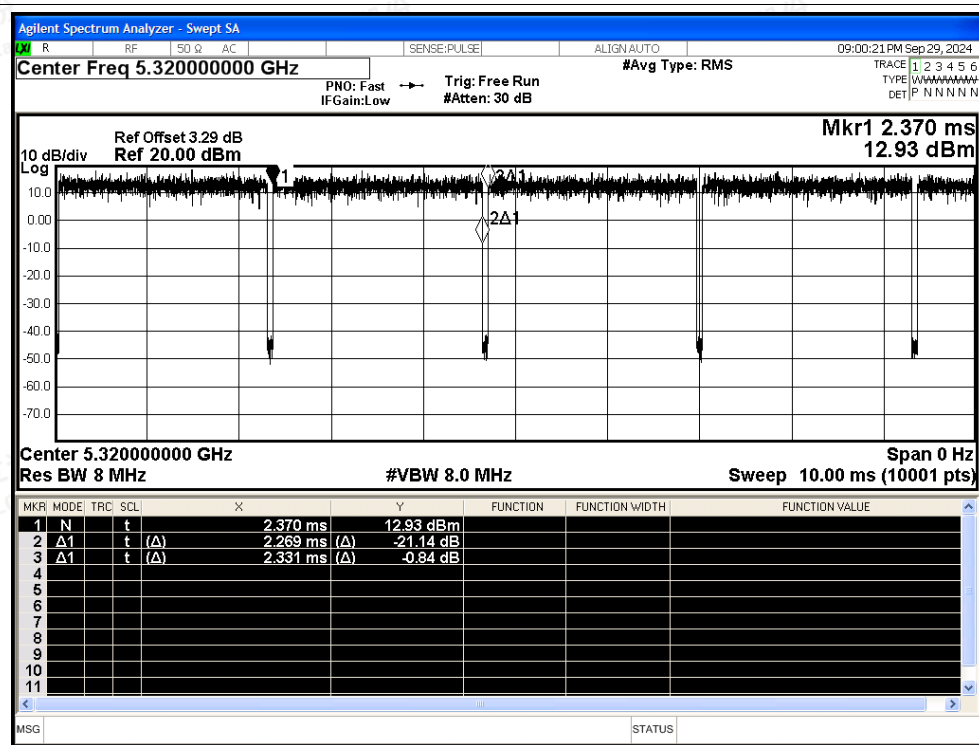
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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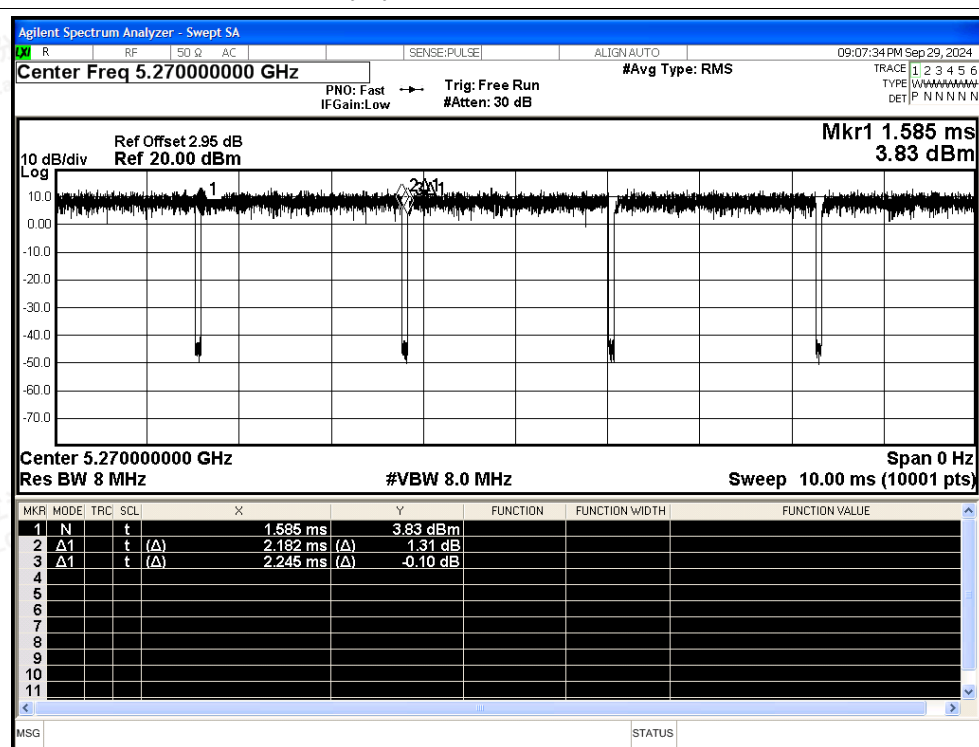
Scan code to check authenticity



## Duty Cycle NVNT ax20 5320MHz Ant1



## Duty Cycle NVNT ax40 5270MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

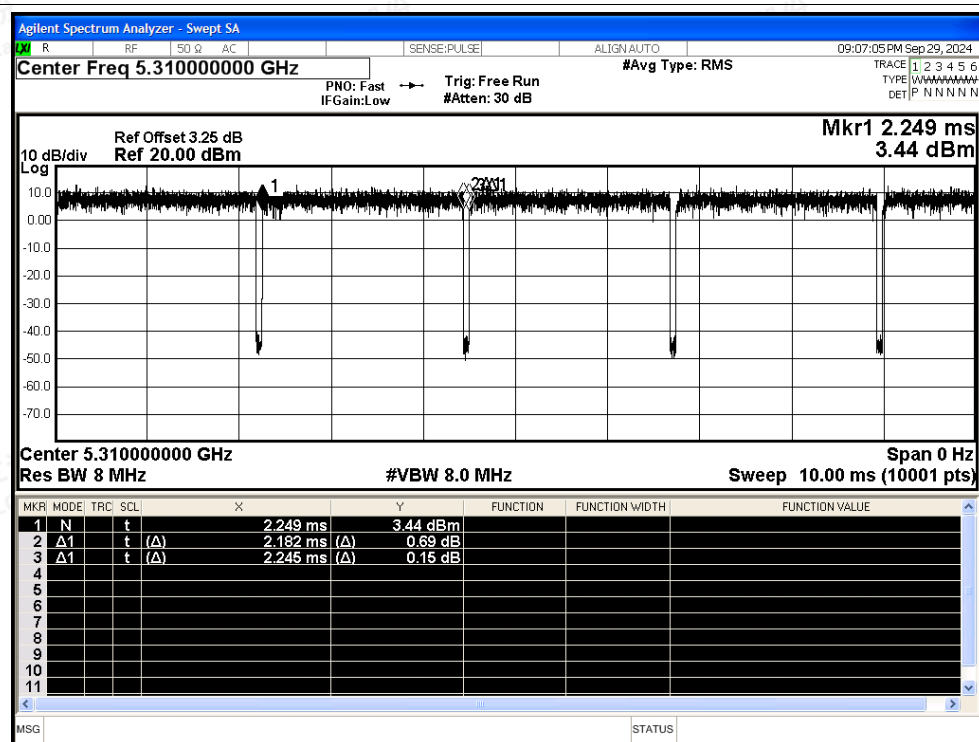
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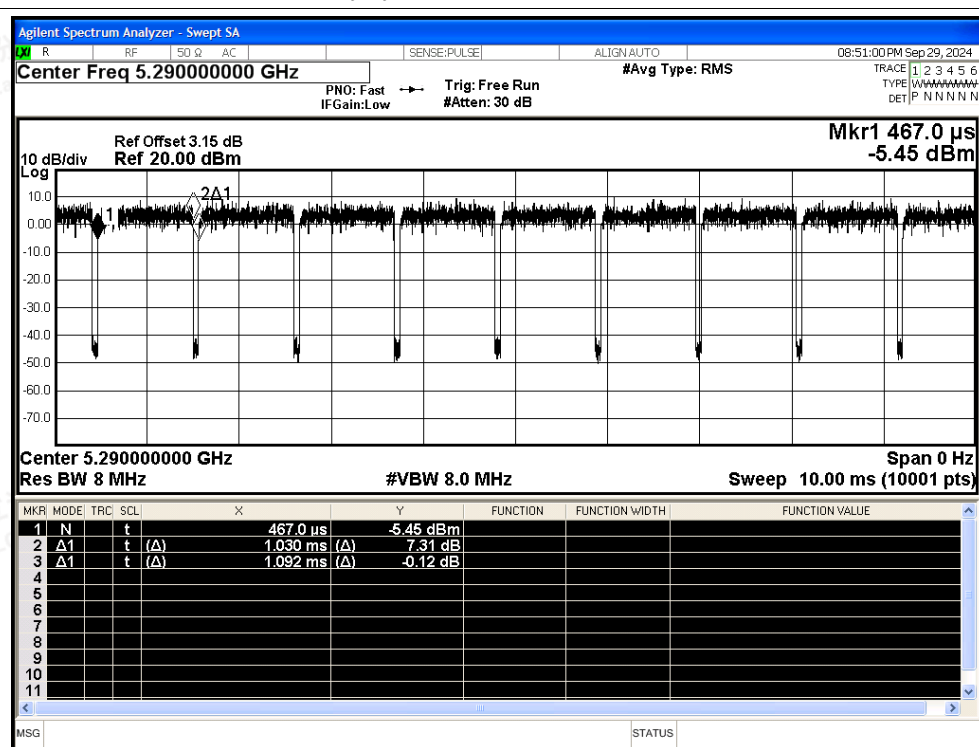
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## Duty Cycle NVNT ax40 5310MHz Ant1



## Duty Cycle NVNT ax80 5290MHz Ant1



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