



## Appendix E

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

Product Name: Smart Speaker

Test Model: L1

#### Environmental Conditions

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



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## E.1 -26dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | a    | 5260            | Ant2    | 28.848                 | $\geq 0.5$                   | Pass    |
| NVNT      | a    | 5300            | Ant2    | 27.702                 | $\geq 0.5$                   | Pass    |
| NVNT      | a    | 5320            | Ant2    | 26.133                 | $\geq 0.5$                   | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 28.454                 | $\geq 0.5$                   | Pass    |
| NVNT      | n20  | 5300            | Ant2    | 28.121                 | $\geq 0.5$                   | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 28.103                 | $\geq 0.5$                   | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 39.732                 | $\geq 0.5$                   | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 40.648                 | $\geq 0.5$                   | Pass    |
| NVNT      | ac20 | 5260            | Ant2    | 26.018                 | $\geq 0.5$                   | Pass    |
| NVNT      | ac20 | 5300            | Ant2    | 28.254                 | $\geq 0.5$                   | Pass    |
| NVNT      | ac20 | 5320            | Ant2    | 28.373                 | $\geq 0.5$                   | Pass    |
| NVNT      | ac40 | 5270            | Ant2    | 42.66                  | $\geq 0.5$                   | Pass    |
| NVNT      | ac40 | 5310            | Ant2    | 43.273                 | $\geq 0.5$                   | Pass    |
| NVNT      | ax20 | 5260            | Ant2    | 28.503                 | $\geq 0.5$                   | Pass    |
| NVNT      | ax20 | 5300            | Ant2    | 29.877                 | $\geq 0.5$                   | Pass    |
| NVNT      | ax20 | 5320            | Ant2    | 28.128                 | $\geq 0.5$                   | Pass    |
| NVNT      | ax40 | 5270            | Ant2    | 43.633                 | $\geq 0.5$                   | Pass    |
| NVNT      | ax40 | 5310            | Ant2    | 45.16                  | $\geq 0.5$                   | Pass    |

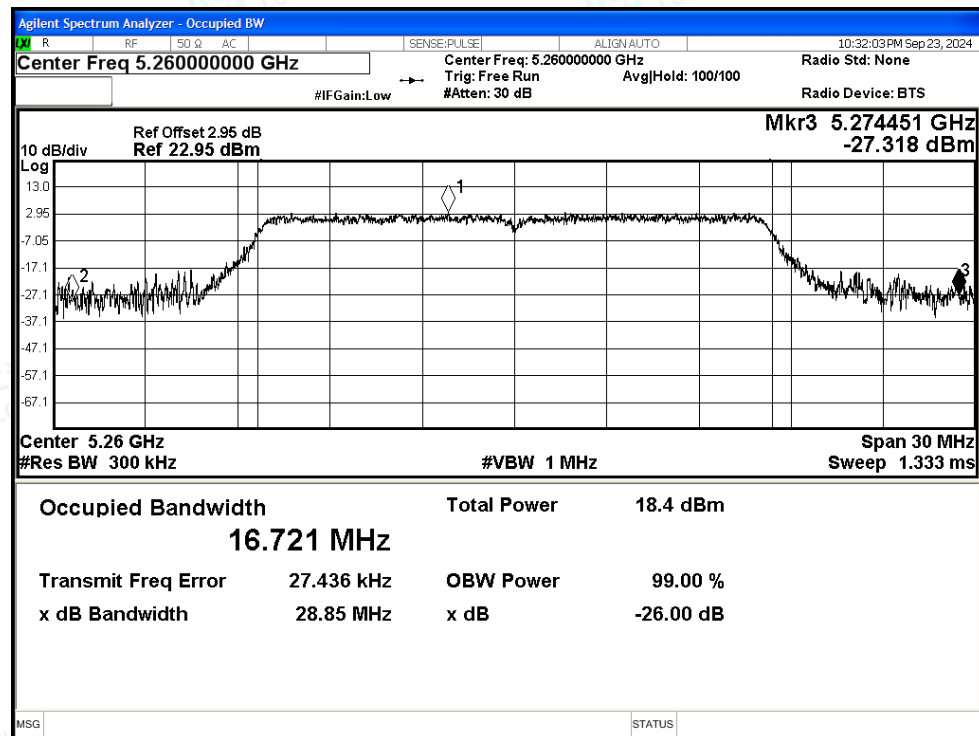


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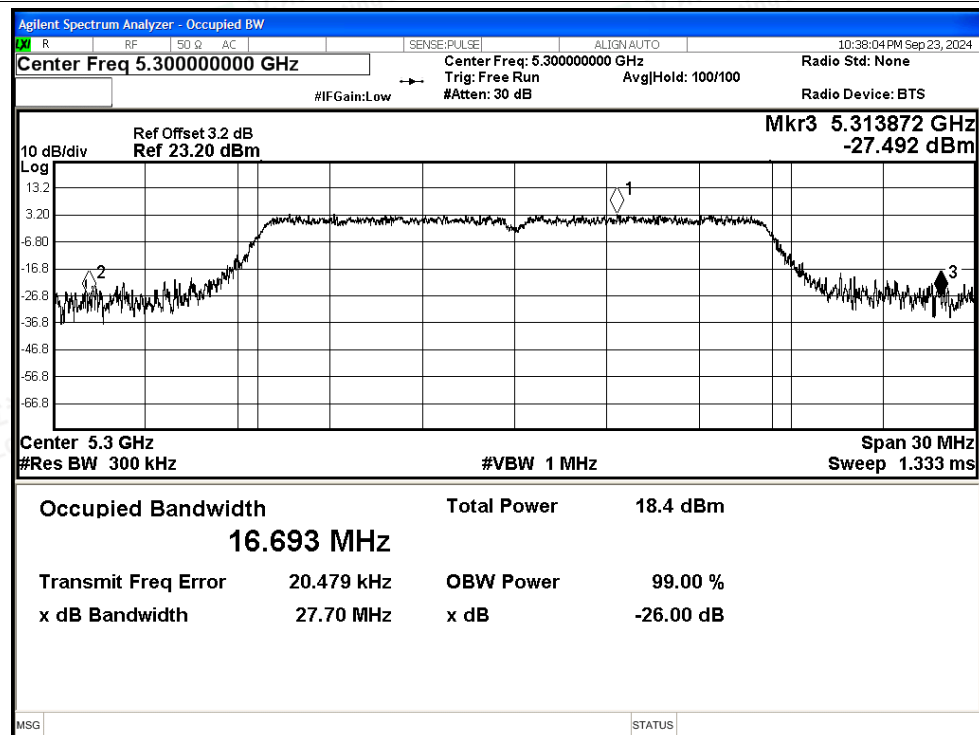


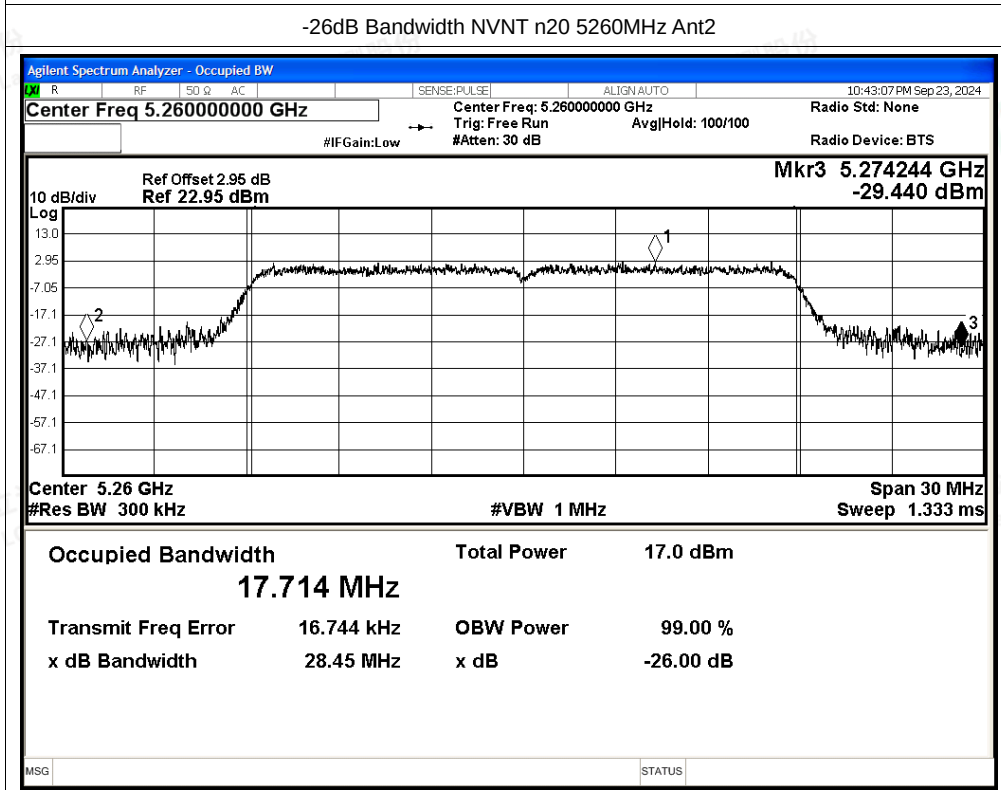
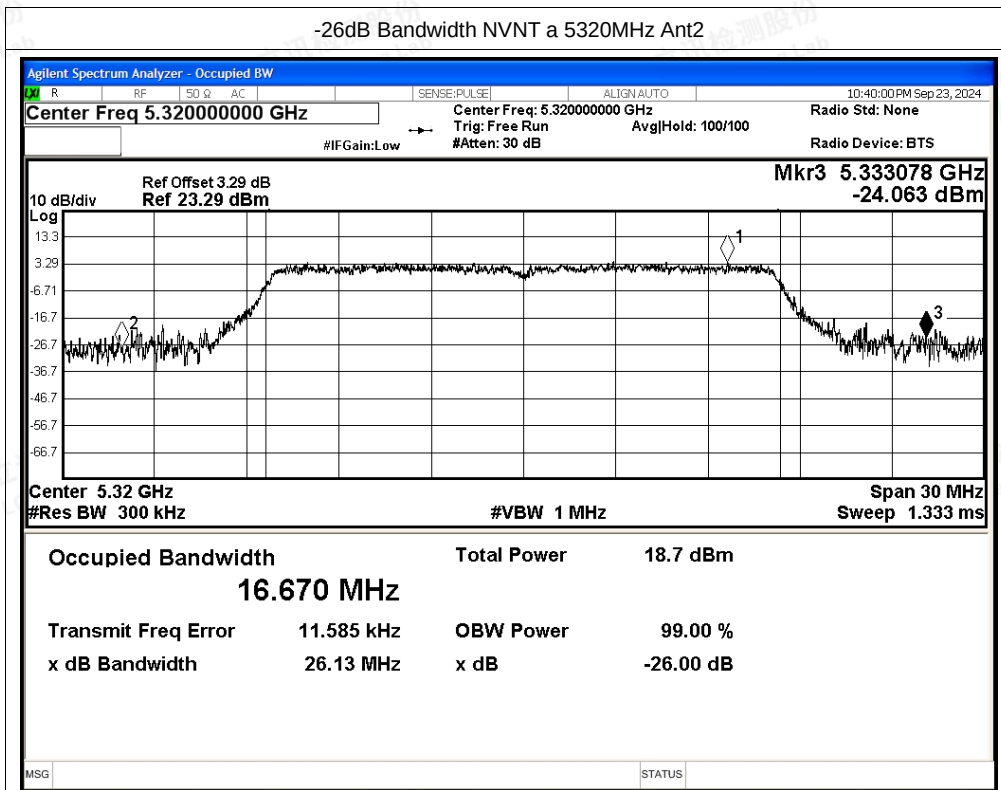
## Test Graphs

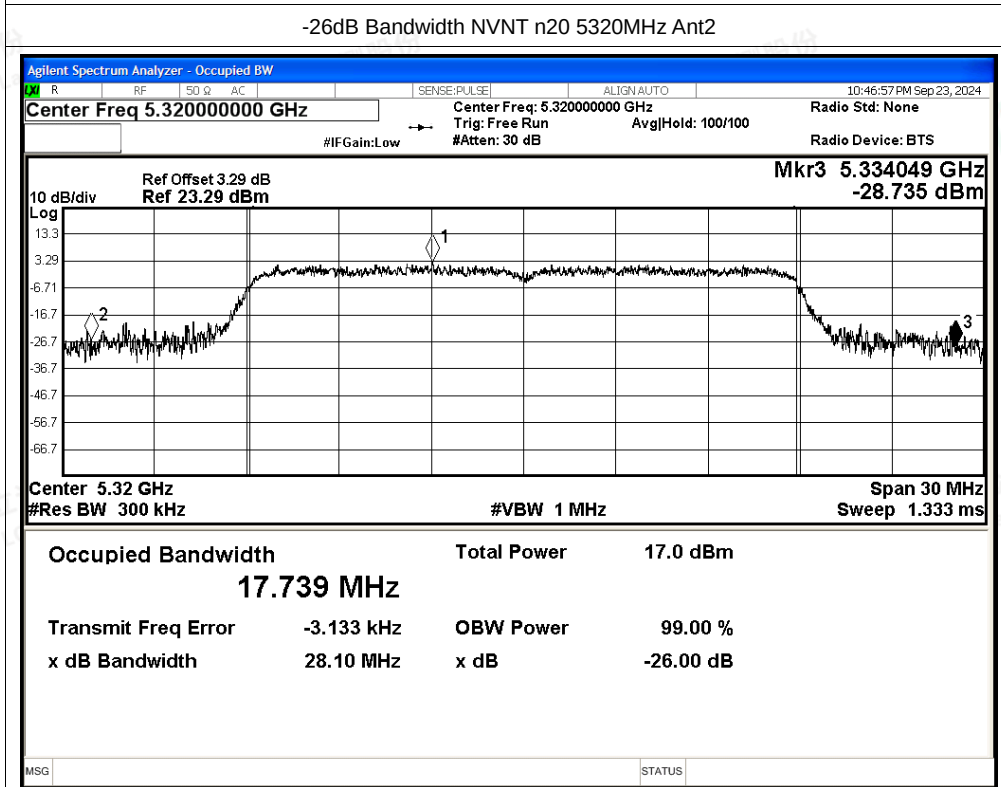
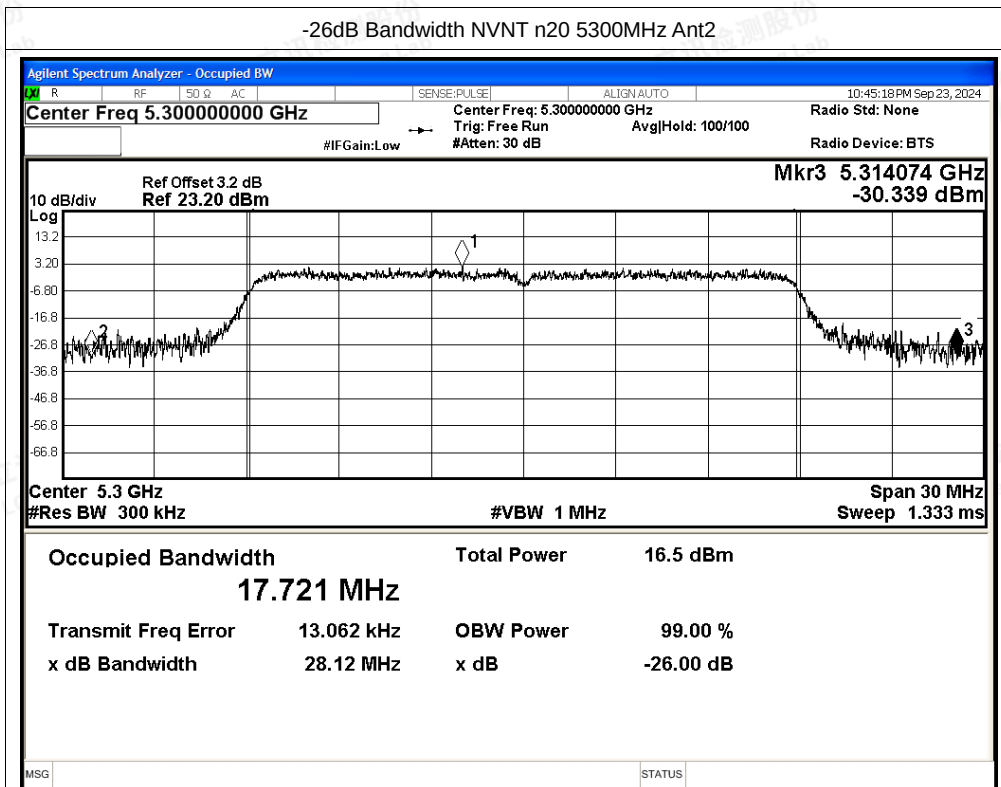
-26dB Bandwidth NVNT a 5260MHz Ant2



-26dB Bandwidth NVNT a 5300MHz Ant2

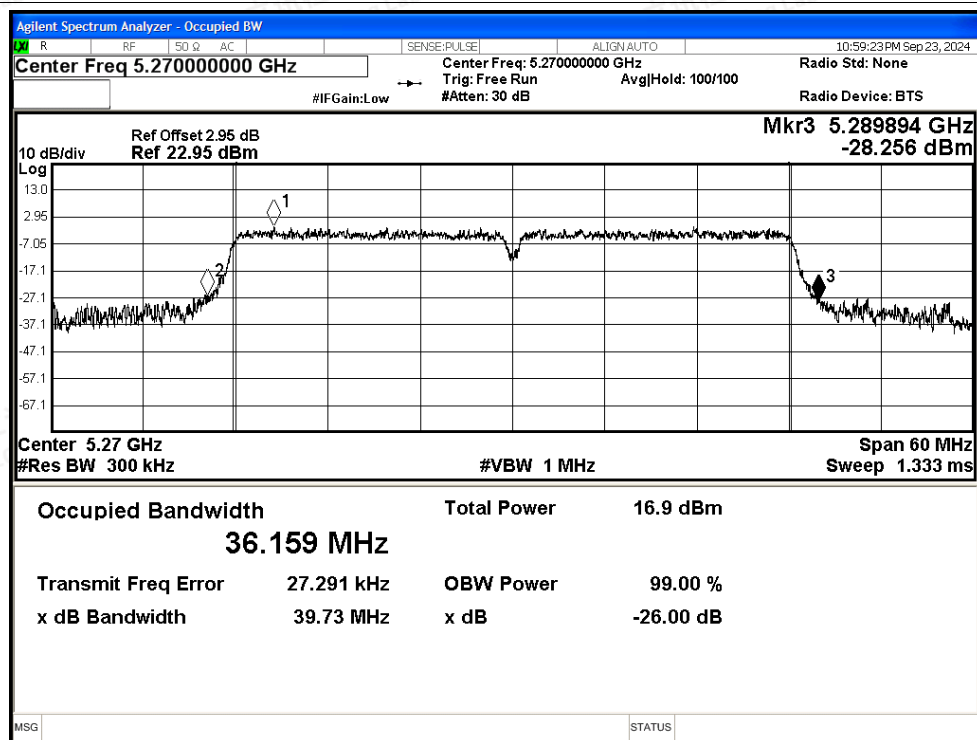




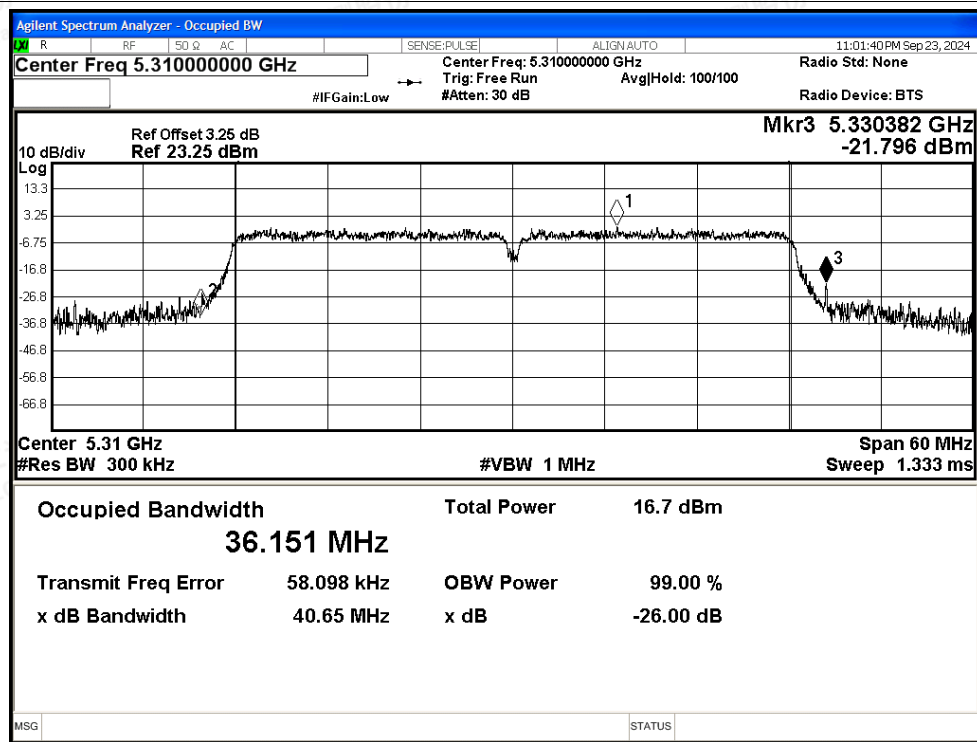




## -26dB Bandwidth NVNT n40 5270MHz Ant2



## -26dB Bandwidth NVNT n40 5310MHz Ant2



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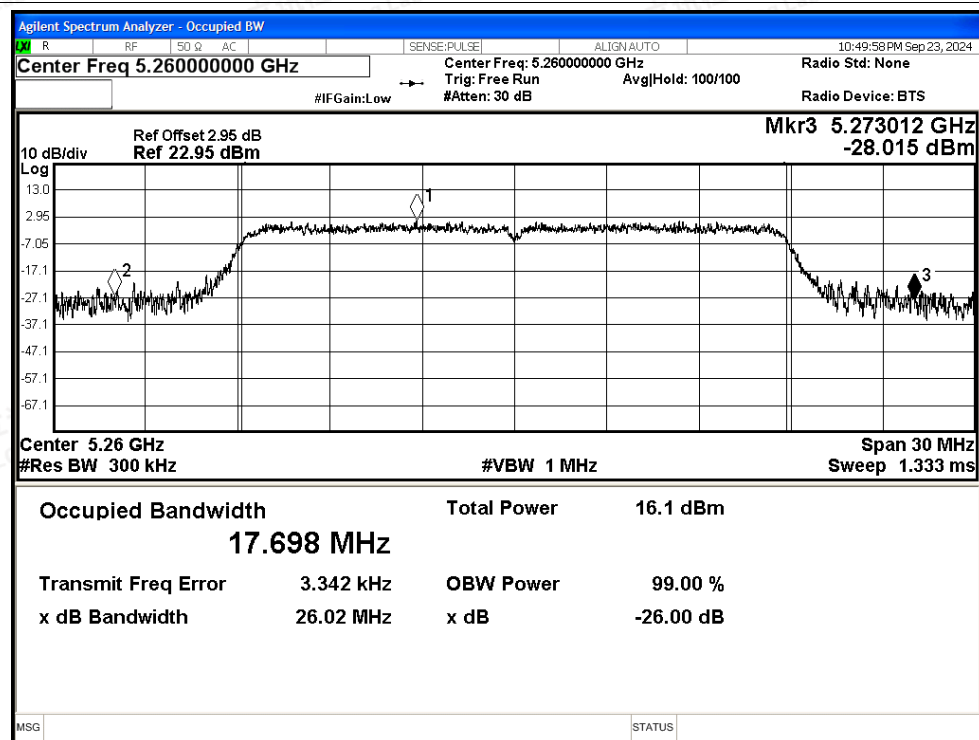
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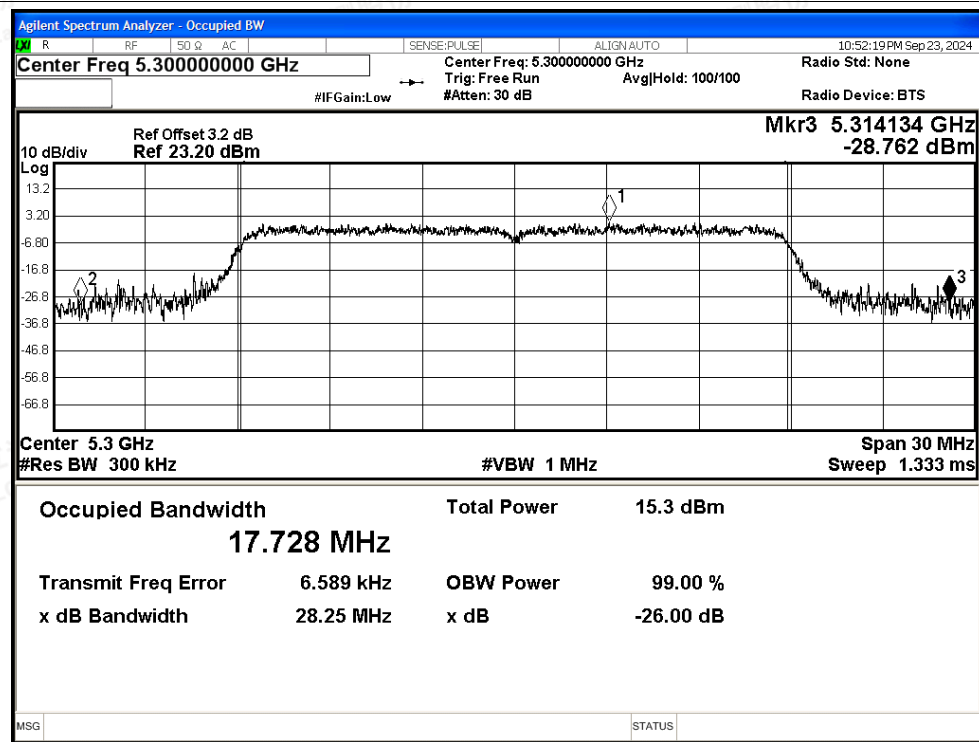
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## -26dB Bandwidth NVNT ac20 5260MHz Ant2

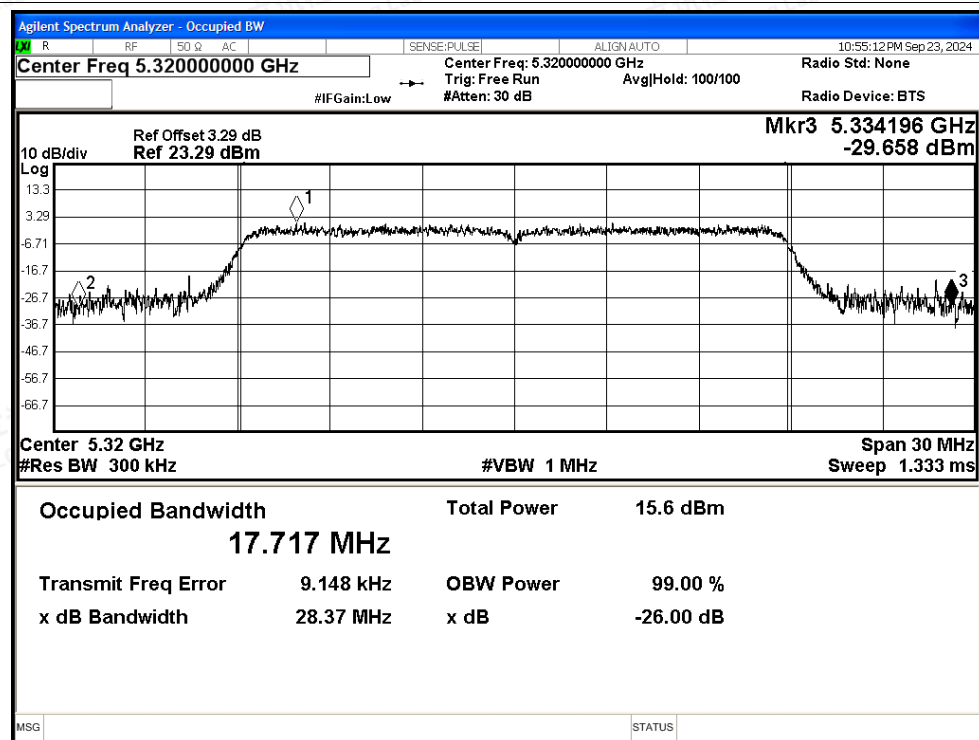


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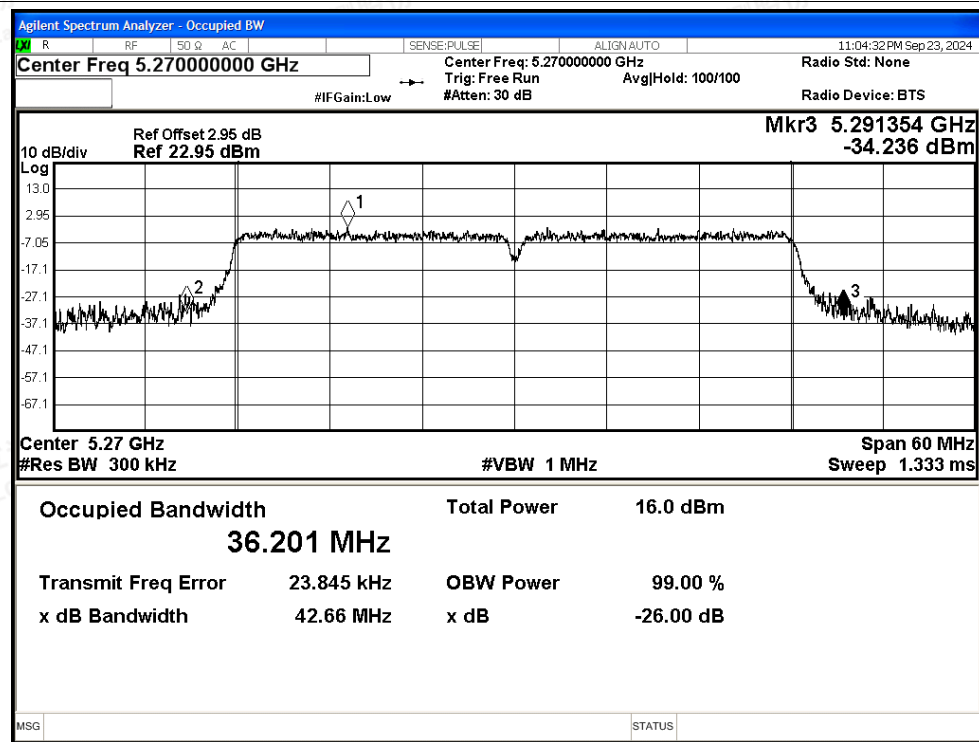




## -26dB Bandwidth NVNT ac20 5320MHz Ant2



## -26dB Bandwidth NVNT ac40 5270MHz Ant2



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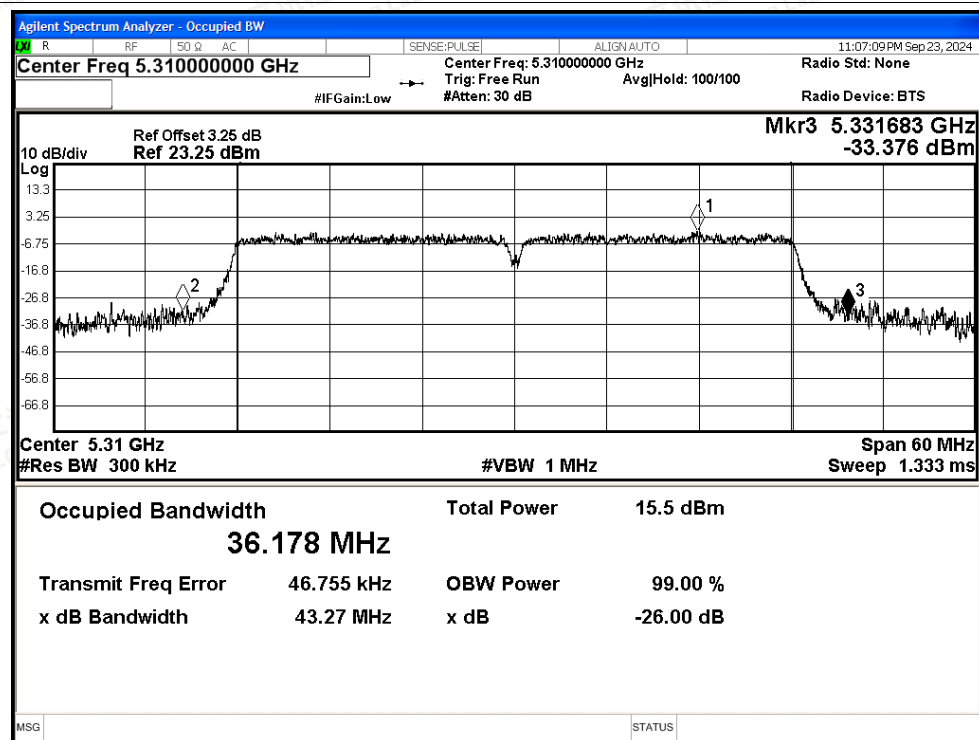
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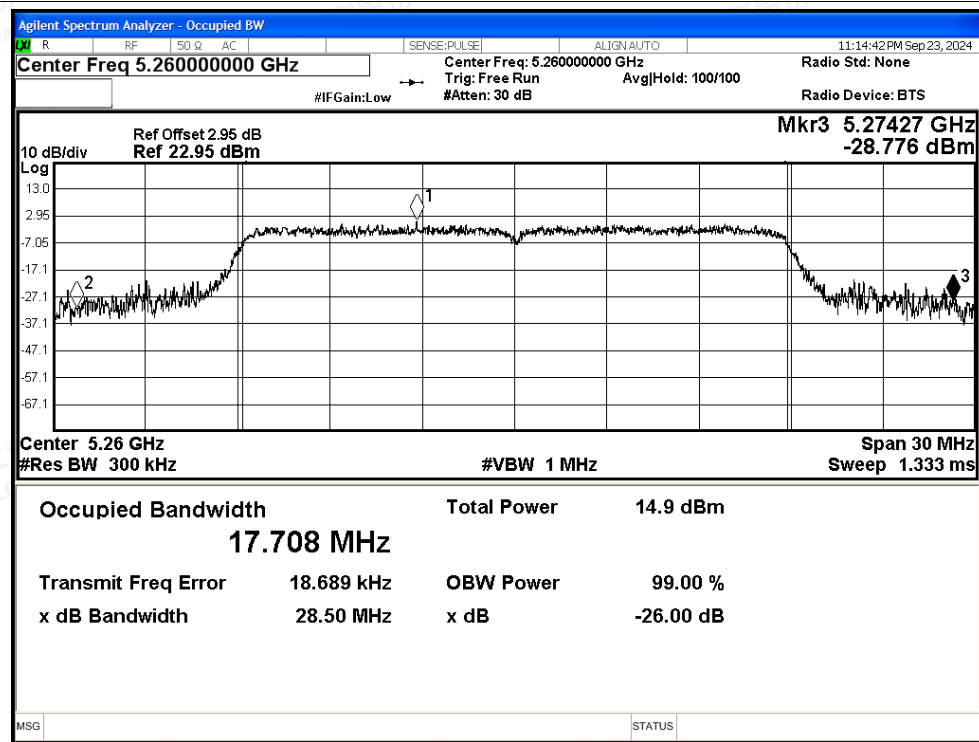




## -26dB Bandwidth NVNT ac40 5310MHz Ant2

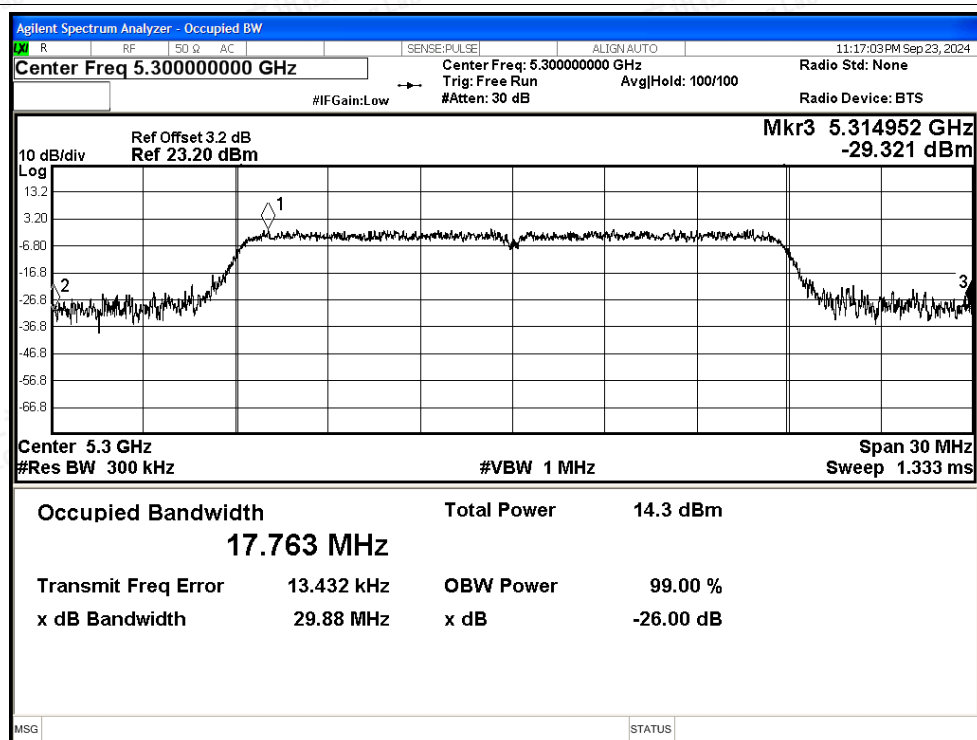


## -26dB Bandwidth NVNT ax20 5260MHz Ant2

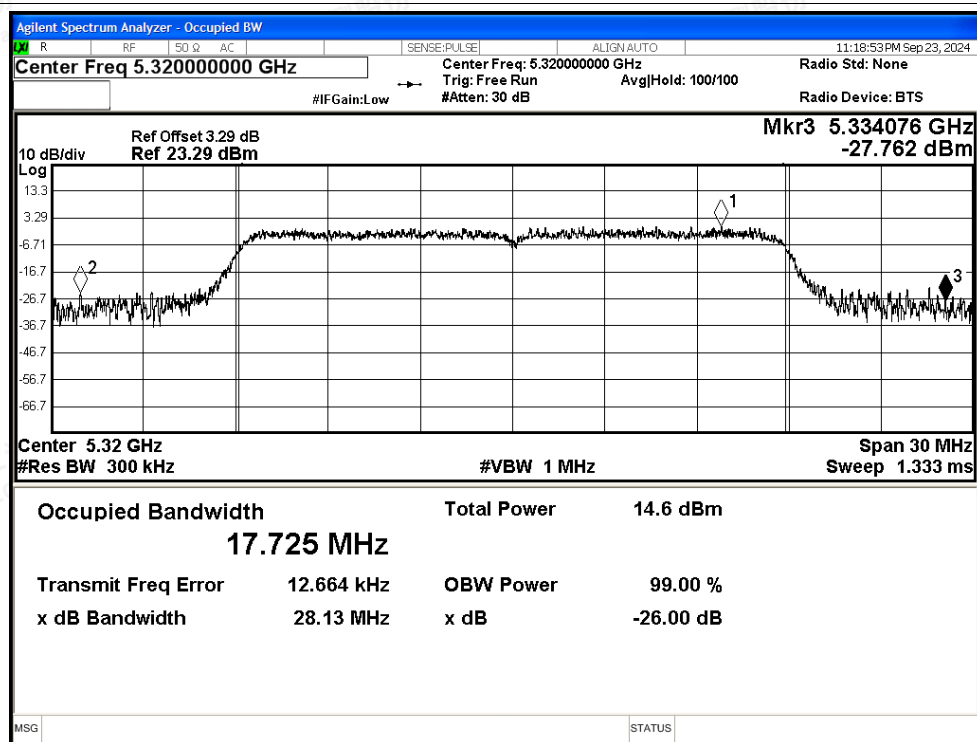




-26dB Bandwidth NVNT ax20 5300MHz Ant2



-26dB Bandwidth NVNT ax20 5320MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

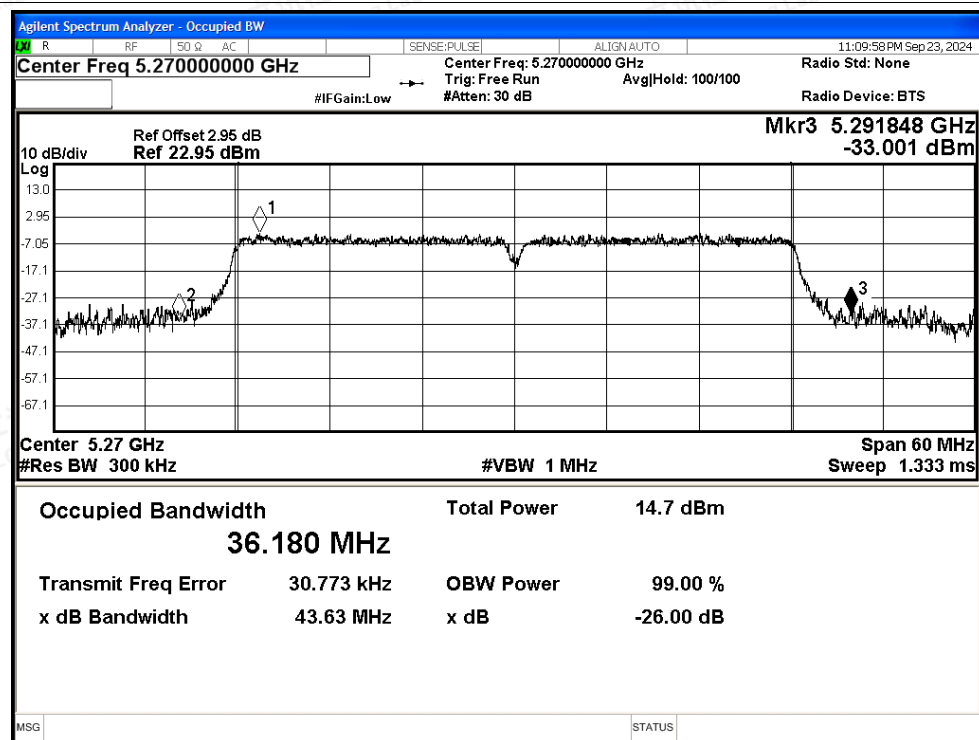
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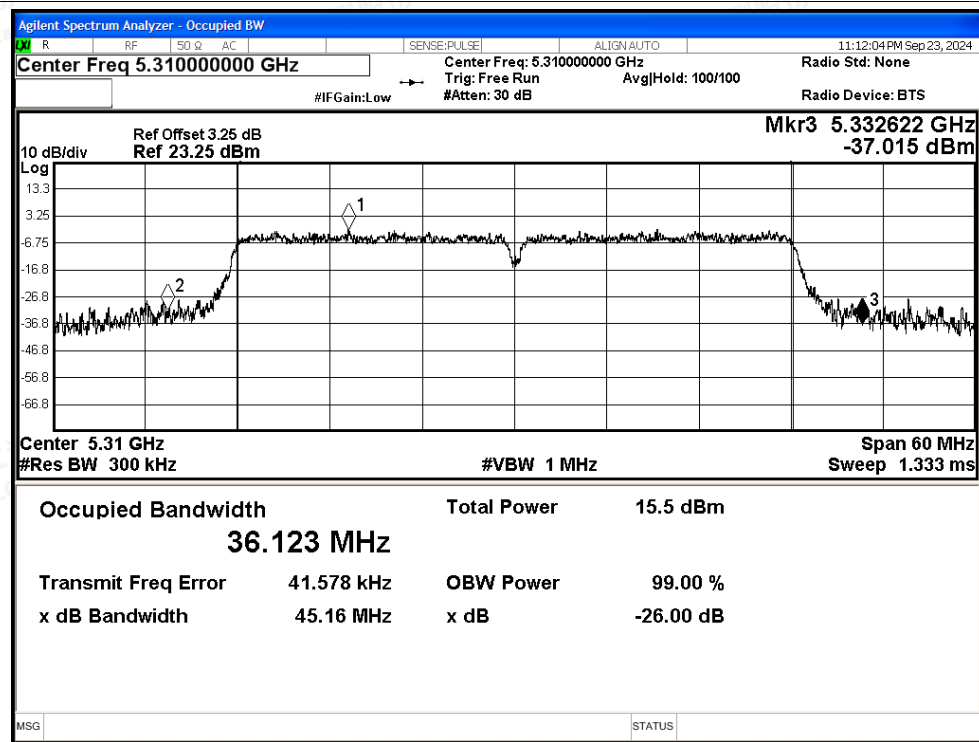
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## -26dB Bandwidth NVNT ax40 5270MHz Ant2



## -26dB Bandwidth NVNT ax40 5310MHz Ant2



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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            | Ant2    | 12.76                 | 0.24             | 13.00             | 24          | Pass    |
| NVNT      | a    | 5300            | Ant2    | 12.67                 | 0.24             | 12.91             | 24          | Pass    |
| NVNT      | a    | 5320            | Ant2    | 12.96                 | 0.24             | 13.20             | 24          | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 11.52                 | 0.12             | 11.64             | 24          | Pass    |
| NVNT      | n20  | 5300            | Ant2    | 11.01                 | 0.12             | 11.13             | 24          | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 11.45                 | 0.12             | 11.57             | 24          | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 11.28                 | 0.12             | 11.40             | 24          | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 11.26                 | 0.12             | 11.38             | 24          | Pass    |
| NVNT      | ac20 | 5260            | Ant2    | 10.61                 | 0.12             | 10.73             | 24          | Pass    |
| NVNT      | ac20 | 5300            | Ant2    | 9.82                  | 0.12             | 9.94              | 24          | Pass    |
| NVNT      | ac20 | 5320            | Ant2    | 10.12                 | 0.12             | 10.24             | 24          | Pass    |
| NVNT      | ac40 | 5270            | Ant2    | 10.37                 | 0.12             | 10.49             | 24          | Pass    |
| NVNT      | ac40 | 5310            | Ant2    | 10.07                 | 0.12             | 10.19             | 24          | Pass    |
| NVNT      | ax20 | 5260            | Ant2    | 9.34                  | 0.12             | 9.46              | 24          | Pass    |
| NVNT      | ax20 | 5300            | Ant2    | 8.81                  | 0.12             | 8.93              | 24          | Pass    |
| NVNT      | ax20 | 5320            | Ant2    | 9.04                  | 0.12             | 9.16              | 24          | Pass    |
| NVNT      | ax40 | 5270            | Ant2    | 9.15                  | 0.12             | 9.27              | 24          | Pass    |
| NVNT      | ax40 | 5310            | Ant2    | 10.05                 | 0.12             | 10.17             | 24          | Pass    |



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### E.3 Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | a    | 5260            | Ant2    | 2.07                | 0.24             | 2.31            | 11          | Pass    |
| NVNT      | a    | 5300            | Ant2    | 1.91                | 0.24             | 2.15            | 11          | Pass    |
| NVNT      | a    | 5320            | Ant2    | 2.53                | 0.24             | 2.77            | 11          | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 0.89                | 0.12             | 1.01            | 11          | Pass    |
| NVNT      | n20  | 5300            | Ant2    | 0.36                | 0.12             | 0.48            | 11          | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 0.72                | 0.12             | 0.84            | 11          | Pass    |
| NVNT      | n40  | 5270            | Ant2    | -2.44               | 0.12             | -2.32           | 11          | Pass    |
| NVNT      | n40  | 5310            | Ant2    | -2.75               | 0.12             | -2.63           | 11          | Pass    |
| NVNT      | ac20 | 5260            | Ant2    | -0.14               | 0.12             | -0.02           | 11          | Pass    |
| NVNT      | ac20 | 5300            | Ant2    | -1.08               | 0.12             | -0.96           | 11          | Pass    |
| NVNT      | ac20 | 5320            | Ant2    | -0.77               | 0.12             | -0.65           | 11          | Pass    |
| NVNT      | ac40 | 5270            | Ant2    | -3.29               | 0.12             | -3.17           | 11          | Pass    |
| NVNT      | ac40 | 5310            | Ant2    | -3.93               | 0.12             | -3.81           | 11          | Pass    |
| NVNT      | ax20 | 5260            | Ant2    | -1.53               | 0.12             | -1.41           | 11          | Pass    |
| NVNT      | ax20 | 5300            | Ant2    | -2.05               | 0.12             | -1.93           | 11          | Pass    |
| NVNT      | ax20 | 5320            | Ant2    | -1.72               | 0.12             | -1.6            | 11          | Pass    |
| NVNT      | ax40 | 5270            | Ant2    | -4.59               | 0.12             | -4.47           | 11          | Pass    |
| NVNT      | ax40 | 5310            | Ant2    | -3.88               | 0.12             | -3.76           | 11          | Pass    |

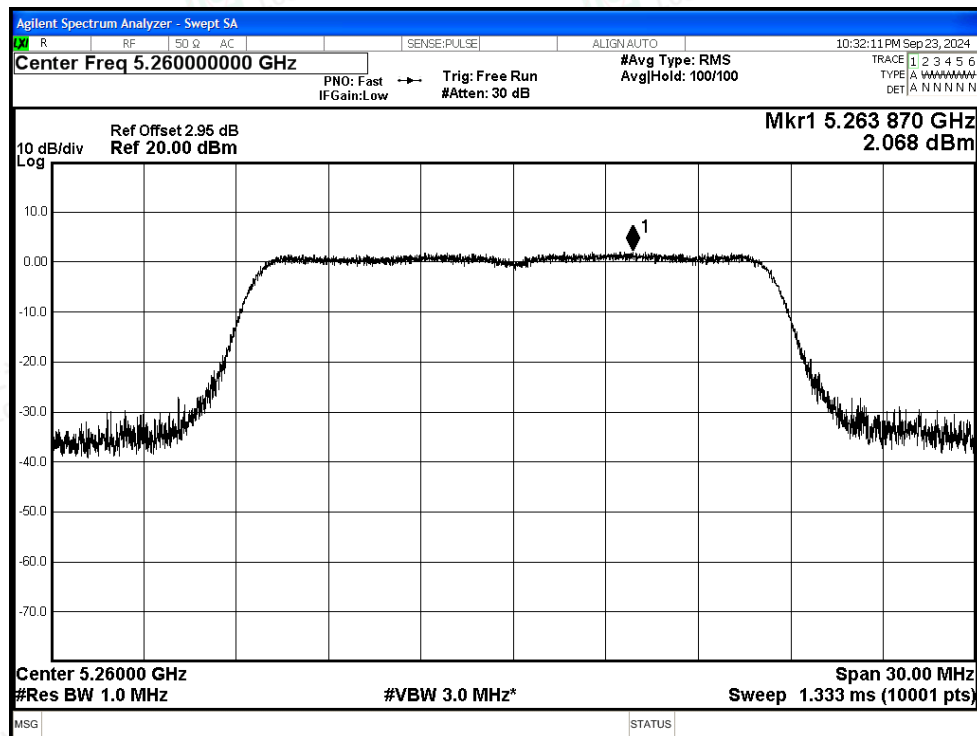


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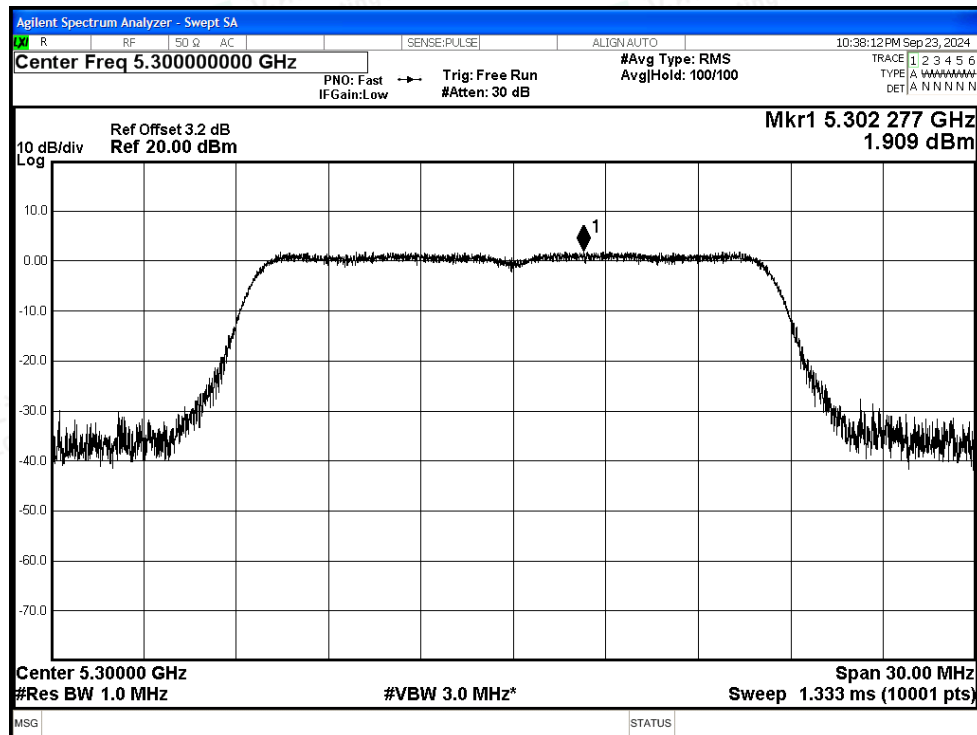


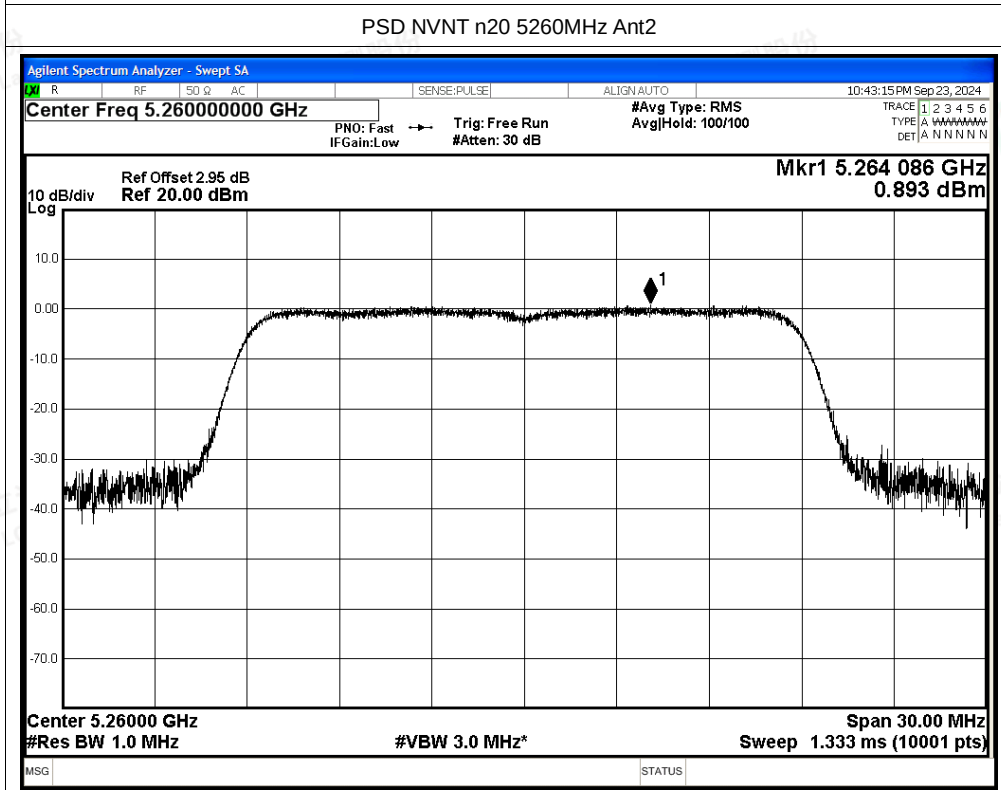
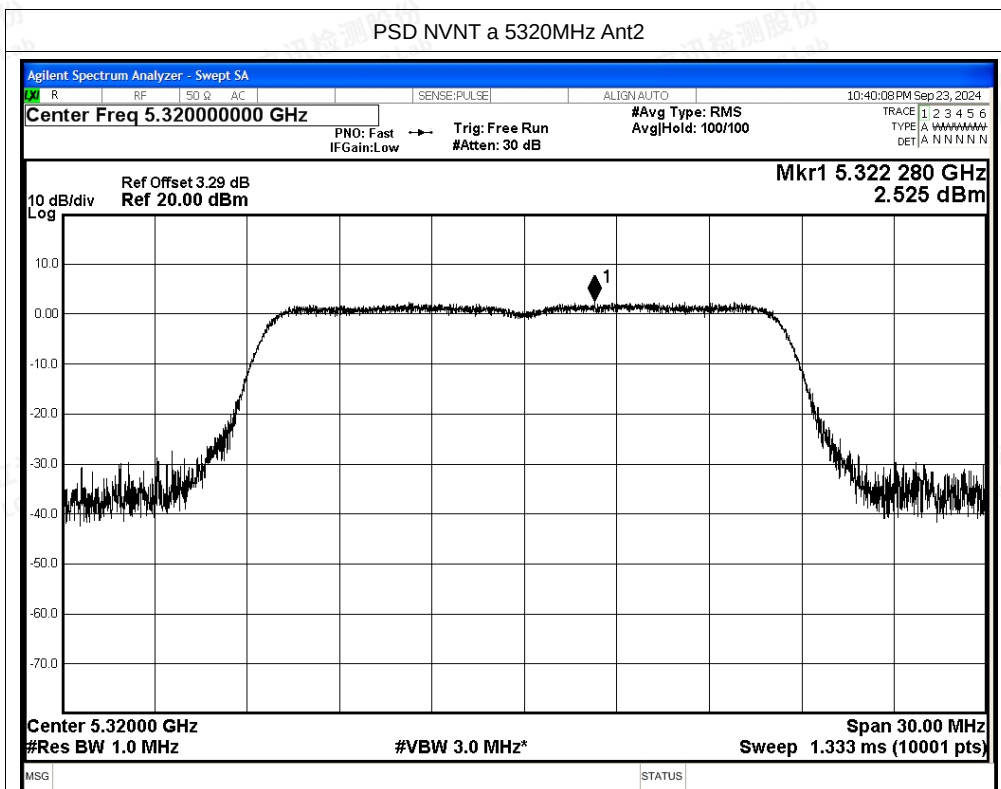
## Test Graphs

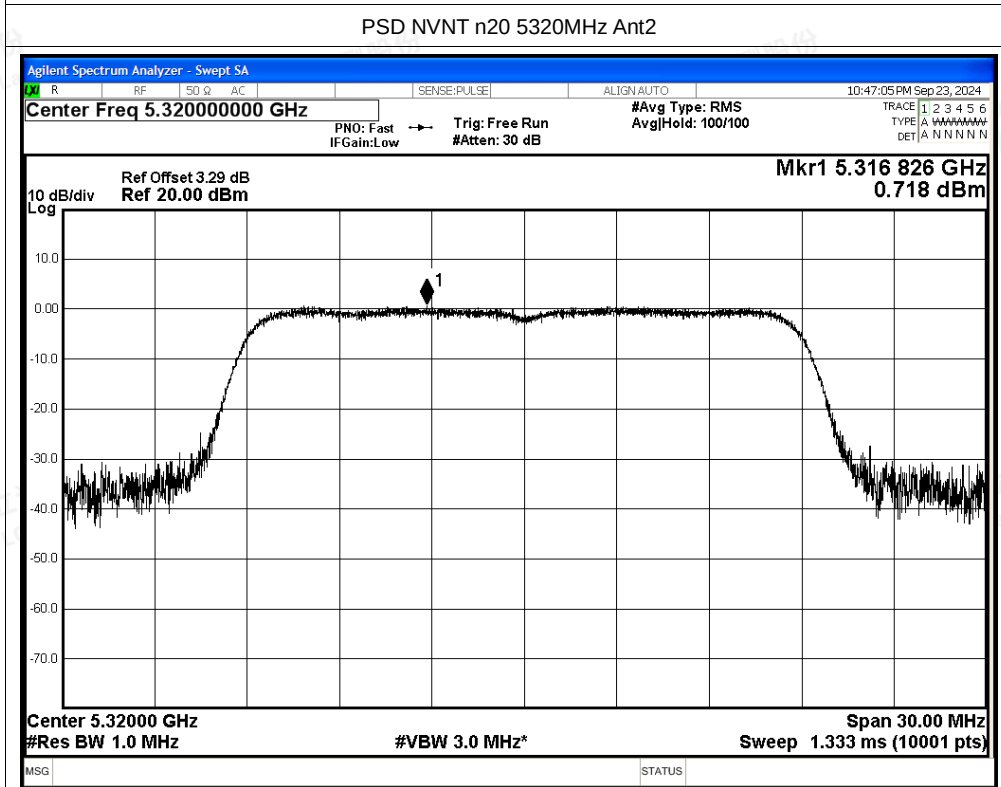
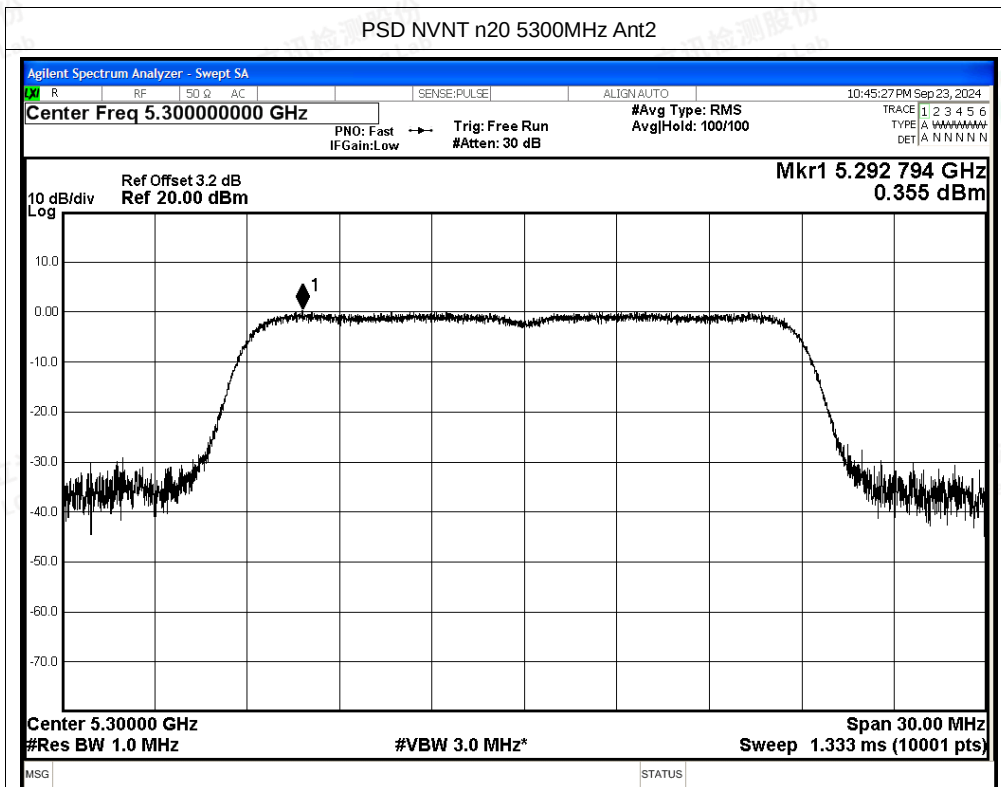
PSD NVNT a 5260MHz Ant2



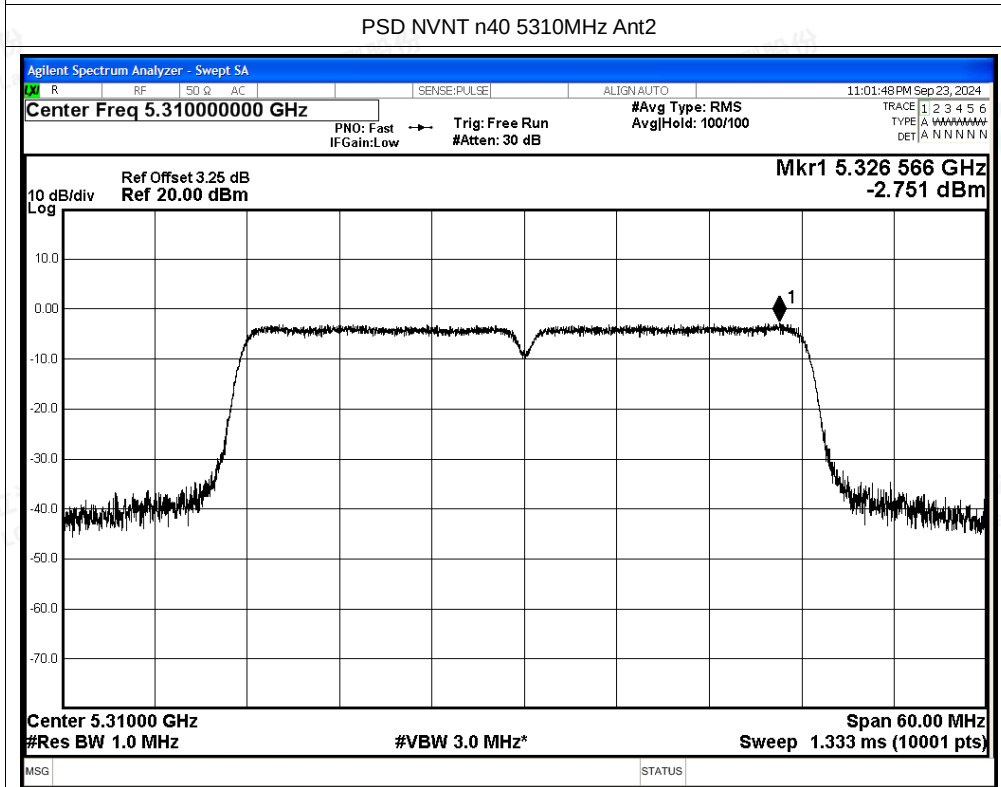
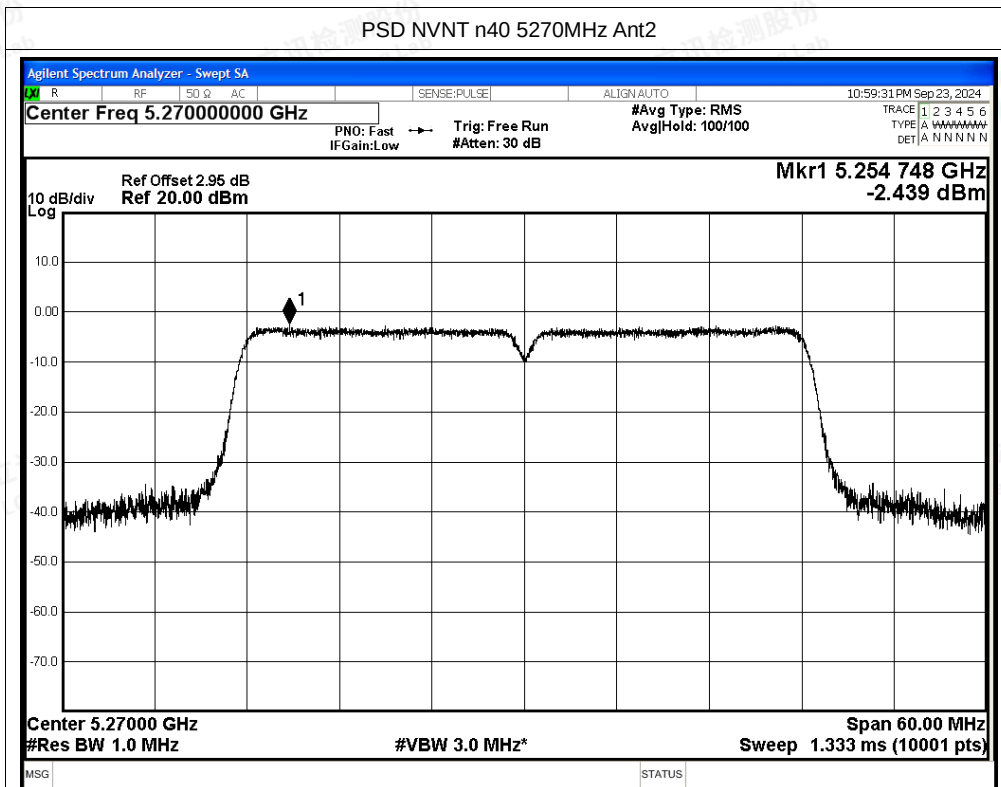
PSD NVNT a 5300MHz Ant2

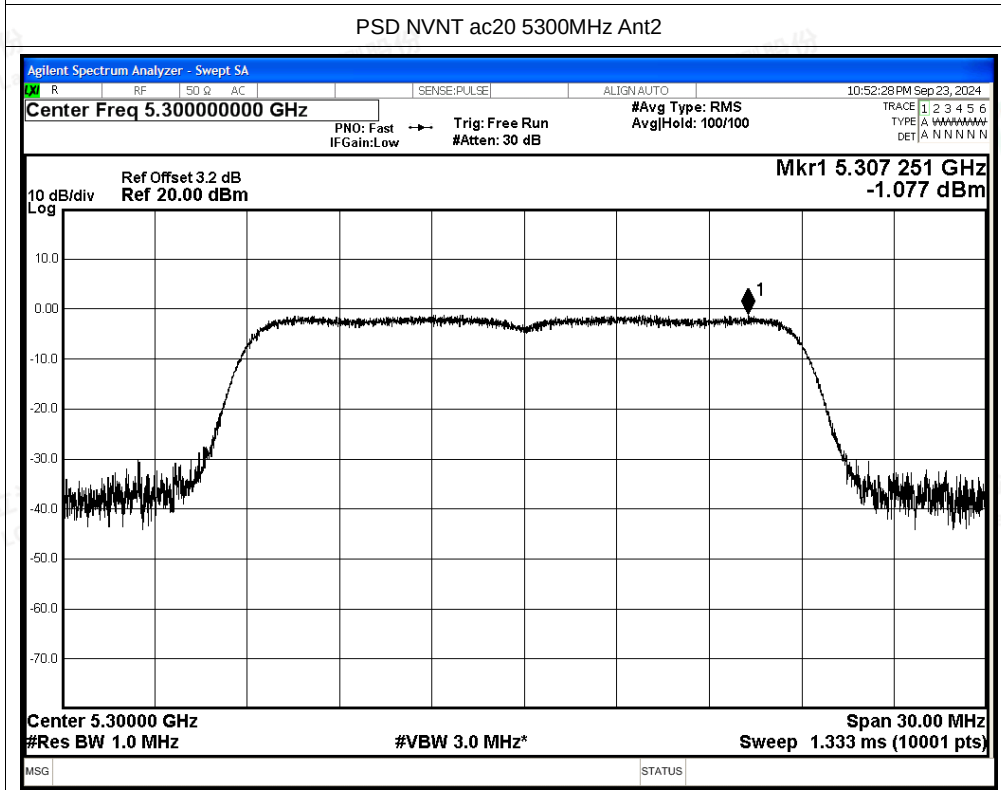
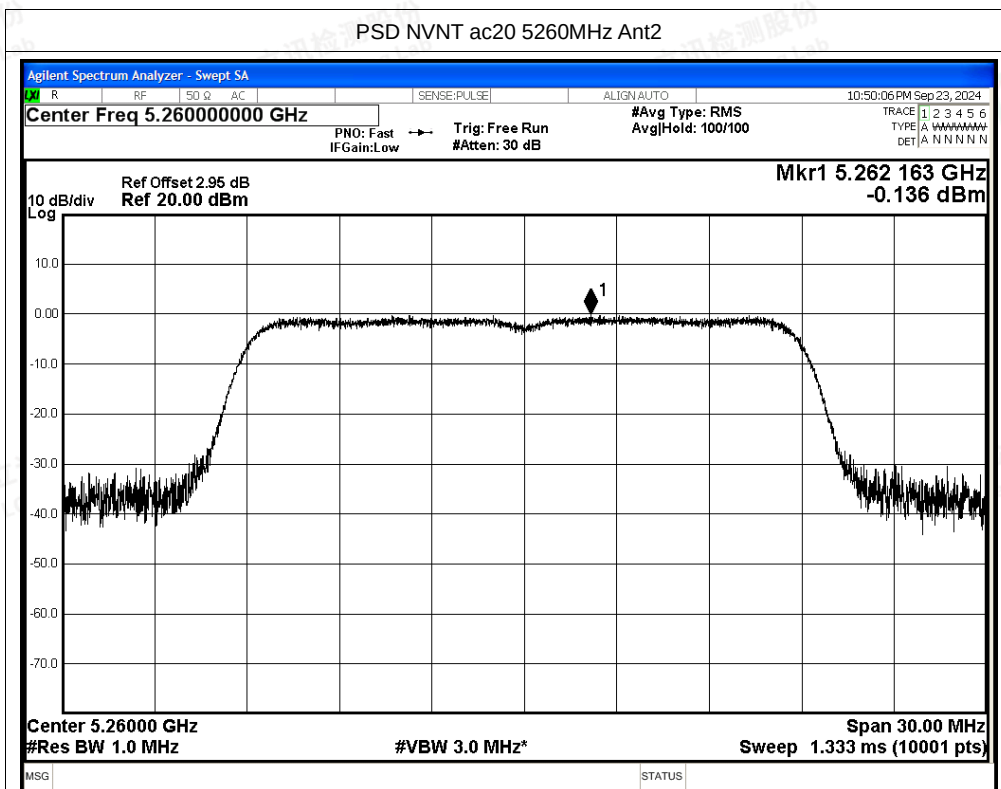


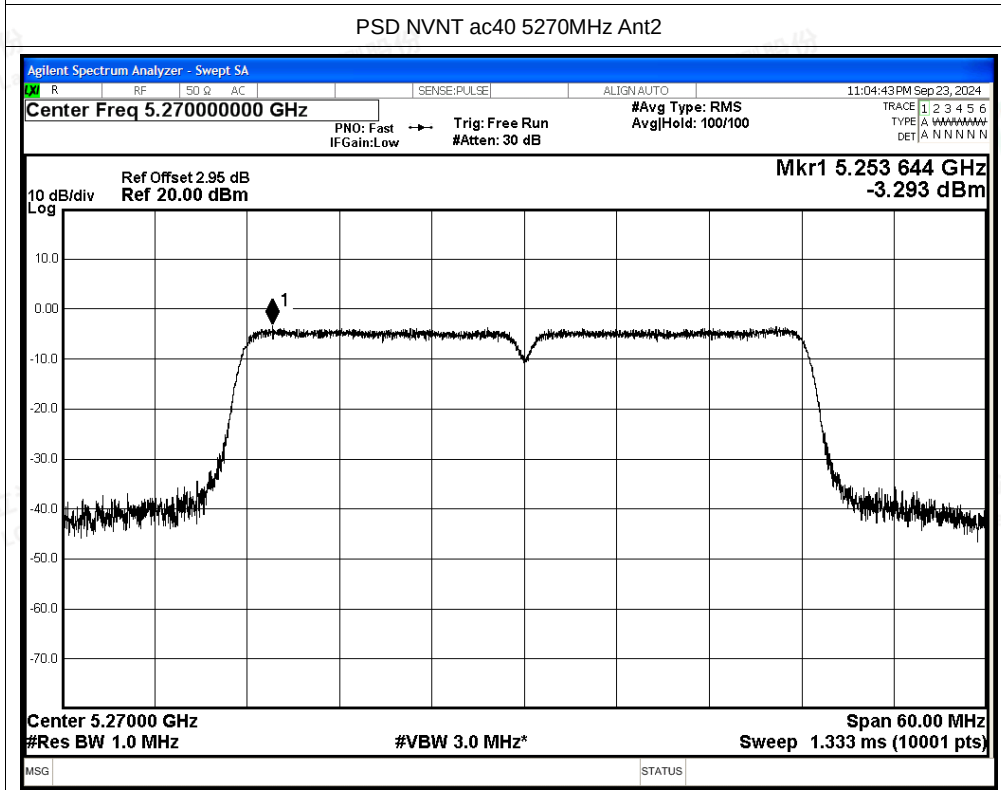
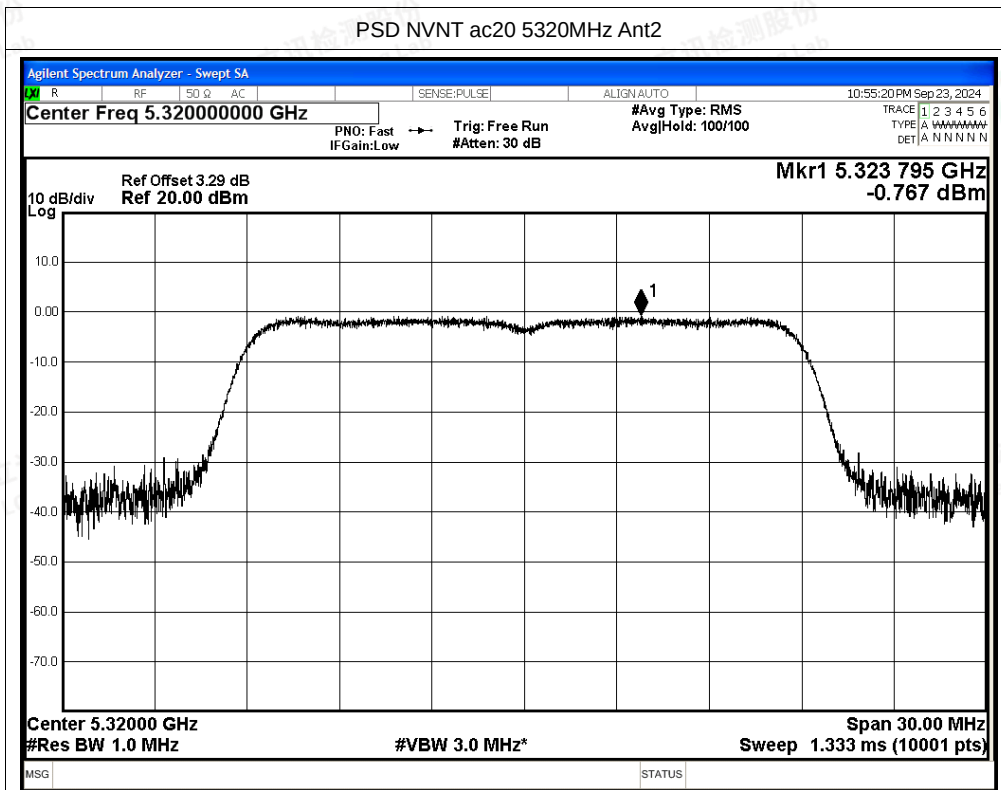






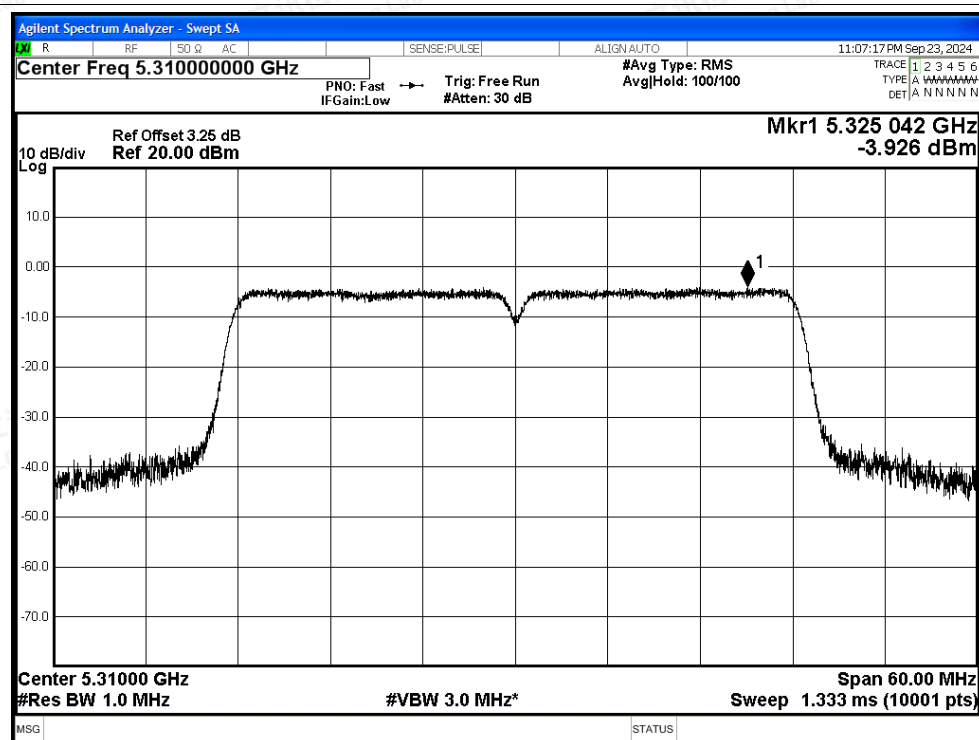




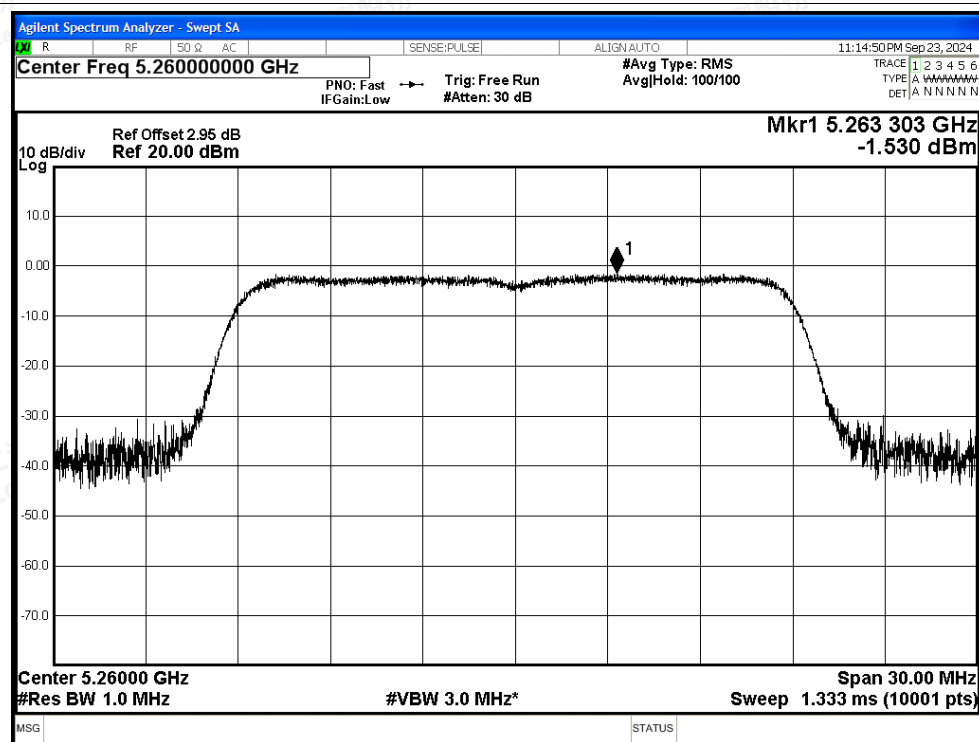




PSD NVNT ac40 5310MHz Ant2

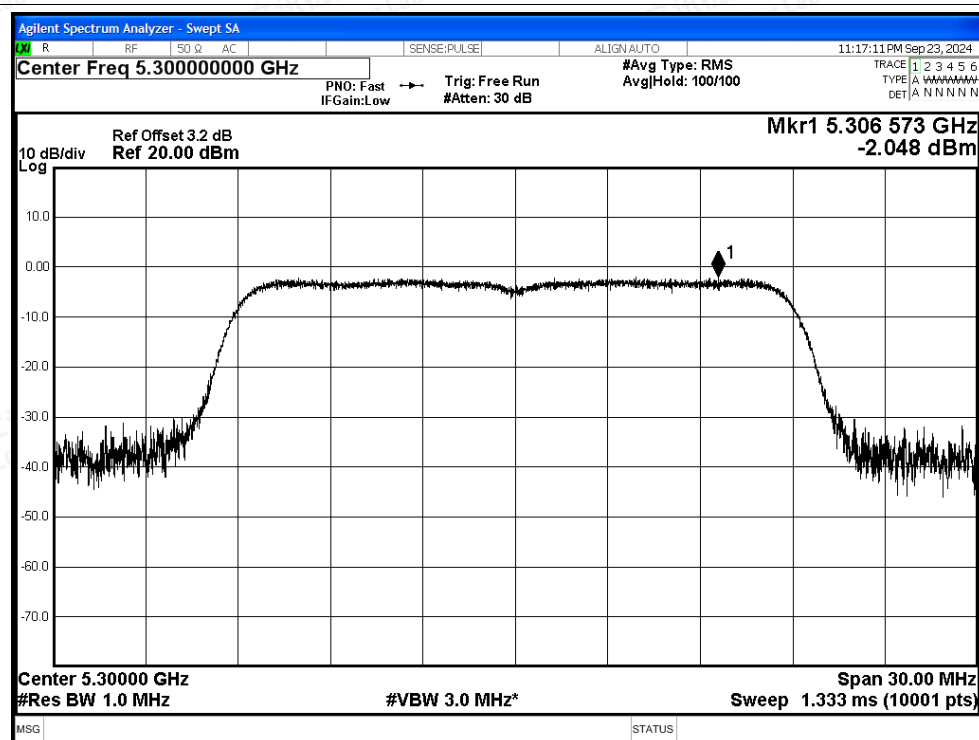


PSD NVNT ax20 5260MHz Ant2

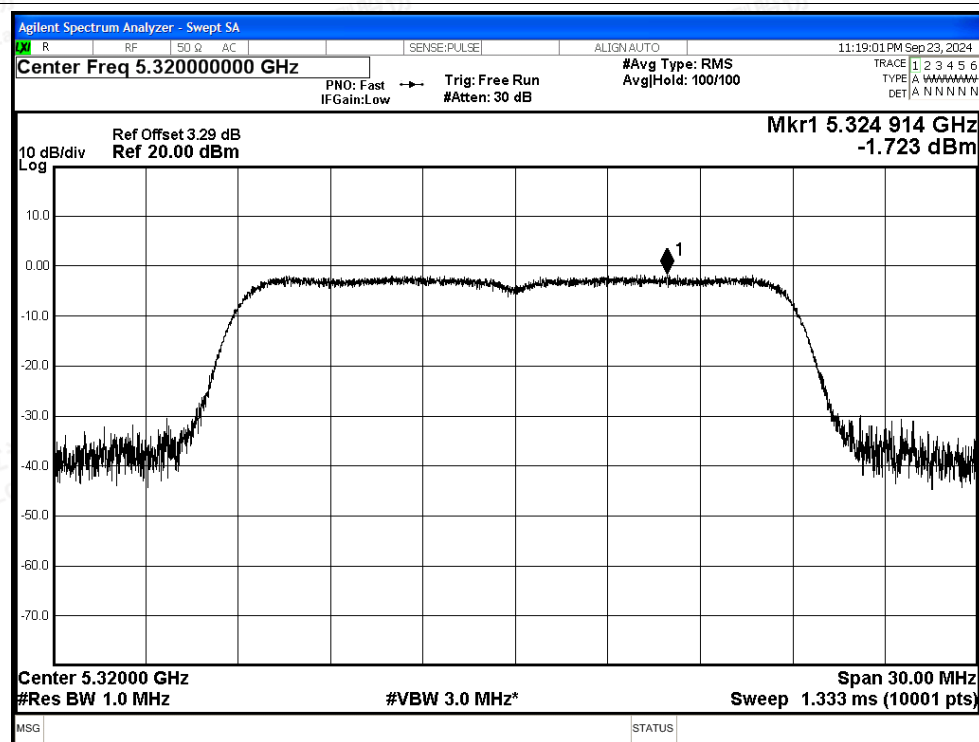




PSD NVNT ax20 5300MHz Ant2

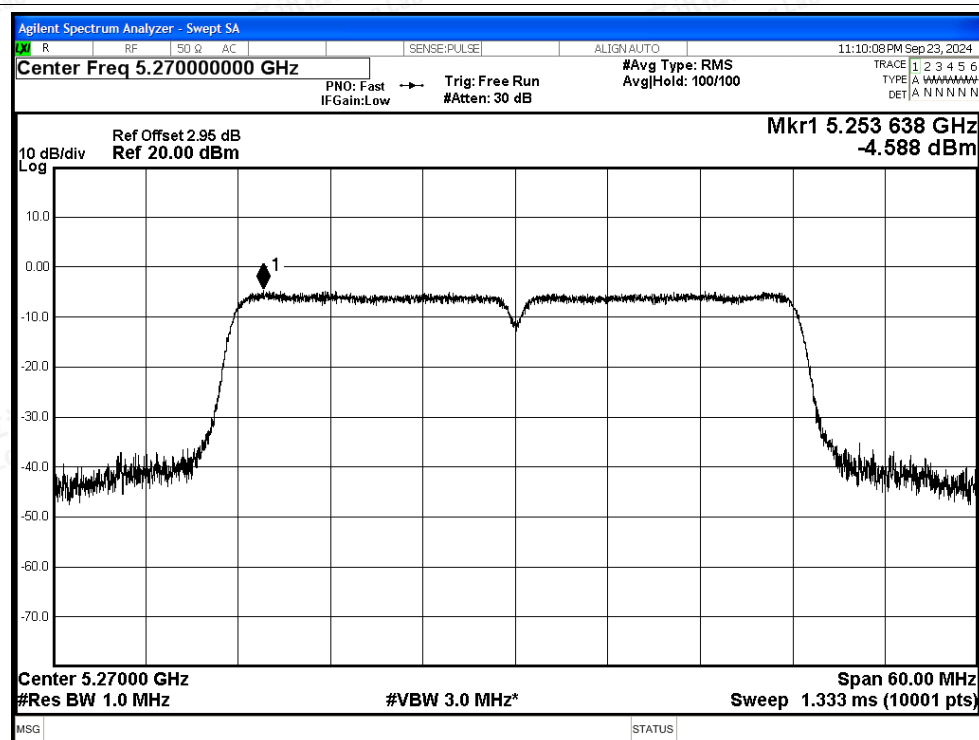


PSD NVNT ax20 5320MHz Ant2

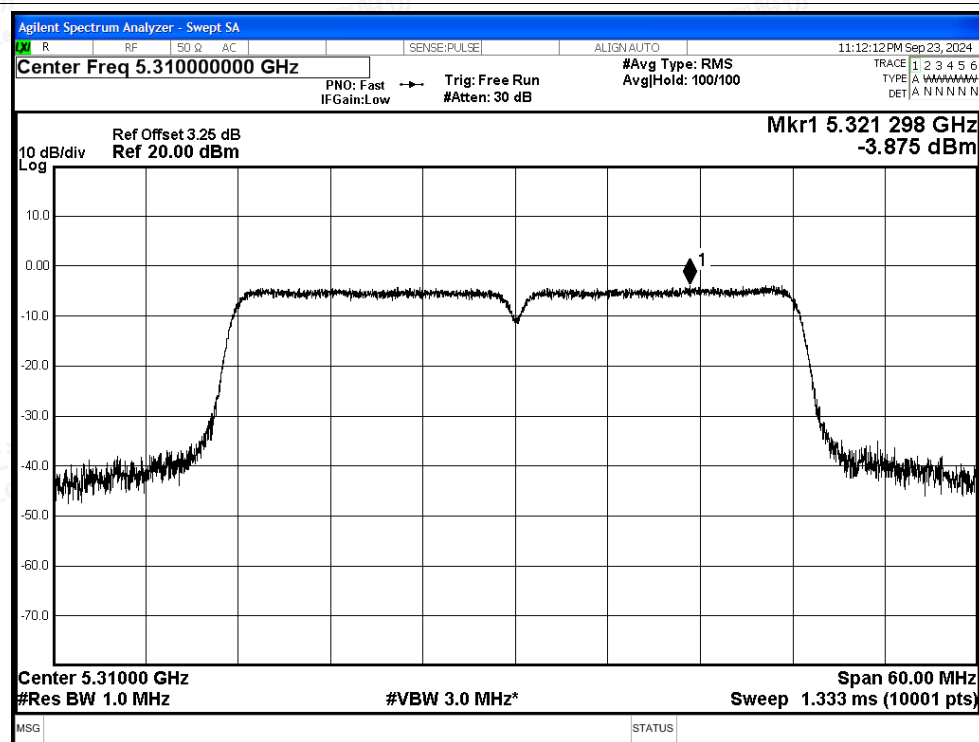




PSD NVNT ax40 5270MHz Ant2



PSD NVNT ax40 5310MHz Ant2





## 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            | Ant2    | 4500            | -50.5       | 2.82       | -                | 47.55      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5260            | Ant2    | 4500            | -59.01      | 2.82       | 0.24             | 39.28      | Average  | 54             | Pass    |
| NVNT      | a    | 5260            | Ant2    | 4773            | -45.33      | 2.82       | -                | 52.72      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5260            | Ant2    | 4787.04         | -54.52      | 2.82       | 0.24             | 43.77      | Average  | 54             | Pass    |
| NVNT      | a    | 5260            | Ant2    | 5150            | -48.35      | 2.82       | -                | 49.70      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5260            | Ant2    | 5150            | -55.92      | 2.82       | 0.24             | 42.37      | Average  | 54             | Pass    |
| NVNT      | a    | 5320            | Ant2    | 5350            | -40.76      | 2.82       | -                | 57.29      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5320            | Ant2    | 5350            | -53.56      | 2.82       | 0.24             | 44.73      | Average  | 54             | Pass    |
| NVNT      | a    | 5320            | Ant2    | 5351            | -37.71      | 2.82       | -                | 60.34      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5320            | Ant2    | 5350.2          | -53.35      | 2.82       | 0.24             | 44.94      | Average  | 54             | Pass    |
| NVNT      | a    | 5320            | Ant2    | 5460            | -50.53      | 2.82       | -                | 47.52      | Peak     | 68.2           | Pass    |
| NVNT      | a    | 5320            | Ant2    | 5460            | -57.99      | 2.82       | 0.24             | 40.30      | Average  | 54             | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 4500            | -48.91      | 2.82       | -                | 49.14      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 4500            | -59.44      | 2.82       | 0.12             | 38.73      | Average  | 54             | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 5148.18         | -46.48      | 2.82       | -                | 51.57      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 4787.04         | -54.97      | 2.82       | 0.12             | 43.20      | Average  | 54             | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 5150            | -46.97      | 2.82       | -                | 51.08      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 5150            | -56.5       | 2.82       | 0.12             | 41.67      | Average  | 54             | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 5350            | -39.09      | 2.82       | -                | 58.96      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 5350            | -51.04      | 2.82       | 0.12             | 47.13      | Average  | 54             | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 5350.2          | -35.11      | 2.82       | -                | 62.94      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 5460            | -48.85      | 2.82       | -                | 49.20      | Peak     | 68.2           | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 5460            | -58.39      | 2.82       | 0.12             | 39.78      | Average  | 54             | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 4500            | -49.84      | 2.82       | -                | 48.21      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 4500            | -58.97      | 2.82       | 0.12             | 39.20      | Average  | 54             | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 4802.94         | -43.09      | 2.82       | -                | 54.96      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 4806.99         | -50.94      | 2.82       | 0.12             | 47.23      | Average  | 54             | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 5150            | -48.2       | 2.82       | -                | 49.85      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 5150            | -56.5       | 2.82       | 0.12             | 41.67      | Average  | 54             | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 5350            | -35.33      | 2.82       | -                | 62.72      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 5350            | -52.4       | 2.82       | 0.12             | 45.77      | Average  | 54             | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 5460            | -49.7       | 2.82       | -                | 48.35      | Peak     | 68.2           | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 5460            | -57.7       | 2.82       | 0.12             | 40.47      | Average  | 54             | Pass    |
| NVNT      | ac20 | 5260            | Ant2    | 4500            | -50.5       | 2.82       | -                | 47.55      | Peak     | 68.2           | Pass    |
| NVNT      | ac20 | 5260            | Ant2    | 4500            | -58.91      | 2.82       | 0.12             | 39.26      | Average  | 54             | Pass    |
| NVNT      | ac20 | 5260            | Ant2    | 5135.7          | -46.44      | 2.82       | -                | 51.61      | Peak     | 68.2           | Pass    |







|      |      |      |      |         |        |      |      |       |         |      |      |
|------|------|------|------|---------|--------|------|------|-------|---------|------|------|
| NVNT | ac20 | 5260 | Ant2 | 4787.82 | -55.26 | 2.82 | 0.12 | 42.91 | Average | 54   | Pass |
| NVNT | ac20 | 5260 | Ant2 | 5150    | -49.02 | 2.82 | -    | 49.03 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5260 | Ant2 | 5150    | -56.51 | 2.82 | 0.12 | 41.66 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant2 | 5350    | -42.05 | 2.82 | -    | 56.00 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5320 | Ant2 | 5350    | -55.81 | 2.82 | 0.12 | 42.36 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant2 | 5350.2  | -55.22 | 2.82 | 0.12 | 42.95 | Average | 54   | Pass |
| NVNT | ac20 | 5320 | Ant2 | 5460    | -50.98 | 2.82 | -    | 47.07 | Peak    | 68.2 | Pass |
| NVNT | ac20 | 5320 | Ant2 | 5460    | -57.69 | 2.82 | 0.12 | 40.48 | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant2 | 4500    | -50.01 | 2.82 | -    | 48.04 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant2 | 4500    | -59.06 | 2.82 | 0.12 | 39.11 | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant2 | 4807.8  | -43.71 | 2.82 | -    | 54.34 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant2 | 4806.99 | -52.09 | 2.82 | 0.12 | 46.08 | Average | 54   | Pass |
| NVNT | ac40 | 5270 | Ant2 | 5150    | -49.49 | 2.82 | -    | 48.56 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5270 | Ant2 | 5150    | -57.24 | 2.82 | 0.12 | 40.93 | Average | 54   | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5350    | -39.71 | 2.82 | -    | 58.34 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5350    | -53    | 2.82 | 0.12 | 45.17 | Average | 54   | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5350.4  | -36.66 | 2.82 | -    | 61.39 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5350.2  | -52.68 | 2.82 | 0.12 | 45.49 | Average | 54   | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5460    | -50.87 | 2.82 | -    | 47.18 | Peak    | 68.2 | Pass |
| NVNT | ac40 | 5310 | Ant2 | 5460    | -57.81 | 2.82 | 0.12 | 40.36 | Average | 54   | Pass |
| NVNT | ax20 | 5260 | Ant2 | 4500    | -52.05 | 2.82 | -    | 46.00 | Peak    | 68.2 | Pass |
| NVNT | ax20 | 5260 | Ant2 | 4500    | -58.99 | 2.82 | 0.12 | 39.18 | Average | 54   | Pass |
| NVNT | ax20 | 5260 | Ant2 | 4788.6  | -46.63 | 2.82 | -    | 51.42 | Peak    | 68.2 | Pass |
| NVNT | ax20 | 5260 | Ant2 | 4772.22 | -56.19 | 2.82 | 0.12 | 41.98 | Average | 54   | Pass |
| NVNT | ax20 | 5260 | Ant2 | 5150    | -49.07 | 2.82 | -    | 48.98 | Peak    | 68.2 | Pass |
| NVNT | ax20 | 5260 | Ant2 | 5150    | -56.82 | 2.82 | 0.12 | 41.35 | Average | 54   | Pass |
| NVNT | ax20 | 5320 | Ant2 | 5350    | -42.61 | 2.82 | -    | 55.44 | Peak    | 68.2 | Pass |
| NVNT | ax20 | 5320 | Ant2 | 5350    | -53.95 | 2.82 | 0.12 | 44.22 | Average | 54   | Pass |
| NVNT | ax20 | 5320 | Ant2 | 5351.8  | -40.64 | 2.82 | -    | 57.41 | Peak    | 68.2 | Pass |
| NVNT | ax20 | 5320 | Ant2 | 5350.6  | -53.82 | 2.82 | 0.12 | 44.35 | Average | 54   | Pass |
| NVNT | ax20 | 5320 | Ant2 | 5460    | -50.49 | 2.82 | -    | 47.56 | Peak    | 68.2 | Pass |
| NVNT | ax20 | 5320 | Ant2 | 5460    | -58.28 | 2.82 | 0.12 | 39.89 | Average | 54   | Pass |
| NVNT | ax40 | 5270 | Ant2 | 4500    | -51.44 | 2.82 | -    | 46.61 | Peak    | 68.2 | Pass |
| NVNT | ax40 | 5270 | Ant2 | 4500    | -59.28 | 2.82 | 0.12 | 38.89 | Average | 54   | Pass |
| NVNT | ax40 | 5270 | Ant2 | 4806.18 | -45    | 2.82 | -    | 53.05 | Peak    | 68.2 | Pass |
| NVNT | ax40 | 5270 | Ant2 | 4806.99 | -53.25 | 2.82 | 0.12 | 44.92 | Average | 54   | Pass |
| NVNT | ax40 | 5270 | Ant2 | 5150    | -50.07 | 2.82 | -    | 47.98 | Peak    | 68.2 | Pass |
| NVNT | ax40 | 5270 | Ant2 | 5150    | -57.4  | 2.82 | 0.12 | 40.77 | Average | 54   | Pass |
| NVNT | ax40 | 5310 | Ant2 | 5350    | -40.11 | 2.82 | -    | 57.94 | Peak    | 68.2 | Pass |
| NVNT | ax40 | 5310 | Ant2 | 5350    | -53.45 | 2.82 | 0.12 | 44.72 | Average | 54   | Pass |
| NVNT | ax40 | 5310 | Ant2 | 5352.8  | -38.49 | 2.82 | -    | 59.56 | Peak    | 68.2 | Pass |







|      |      |      |      |        |        |      |      |       |         |      |      |
|------|------|------|------|--------|--------|------|------|-------|---------|------|------|
| NVNT | ax40 | 5310 | Ant2 | 5350.2 | -52.3  | 2.82 | 0.12 | 45.87 | Average | 54   | Pass |
| NVNT | ax40 | 5310 | Ant2 | 5460   | -49.25 | 2.82 | -    | 48.80 | Peak    | 68.2 | Pass |
| NVNT | ax40 | 5310 | Ant2 | 5460   | -57.9  | 2.82 | 0.12 | 40.27 | Average | 54   | Pass |

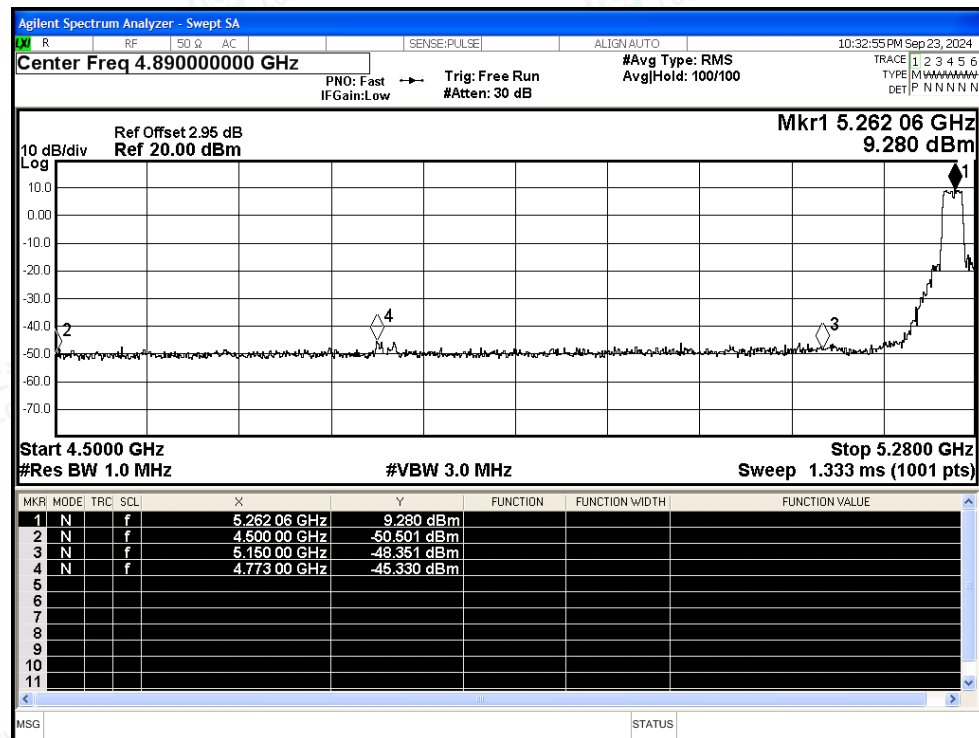


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Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
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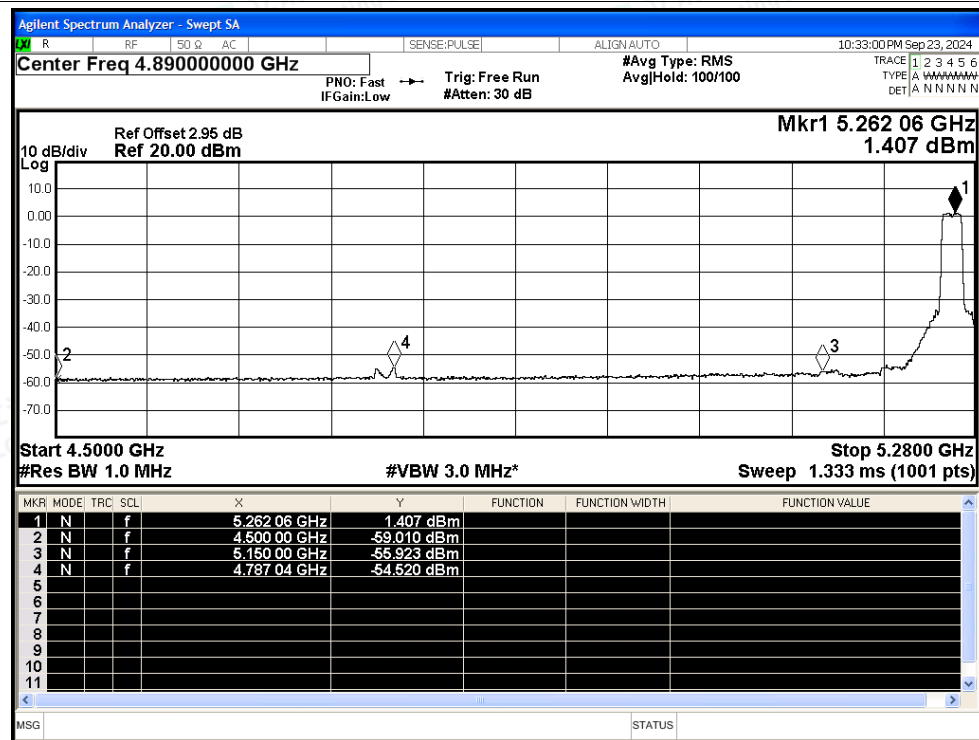


## Test Graphs

## Restrict Band NVNT a 5260MHz Ant2 Peak



## Restrict Band NVNT a 5260MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

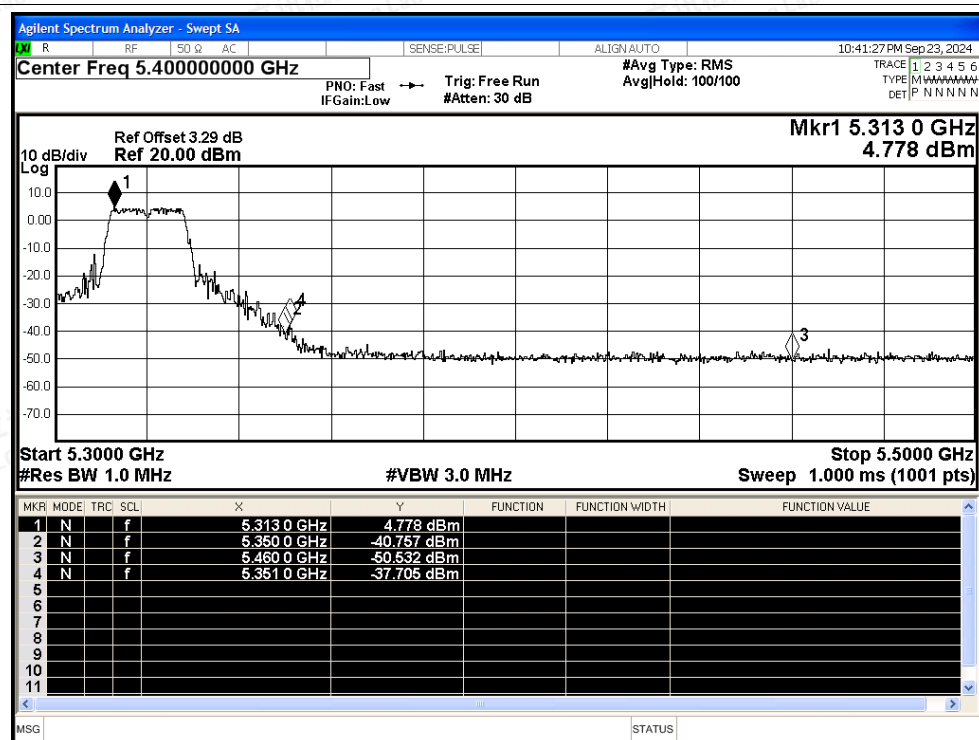
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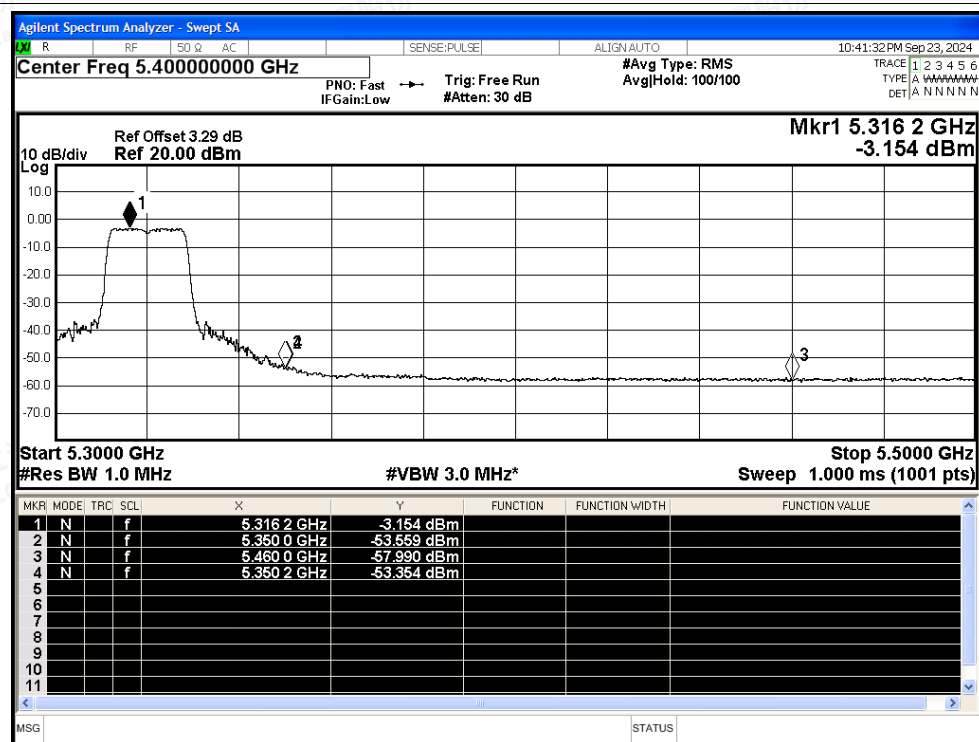
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## Restrict Band NVNT a 5320MHz Ant2 Peak



## Restrict Band NVNT a 5320MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

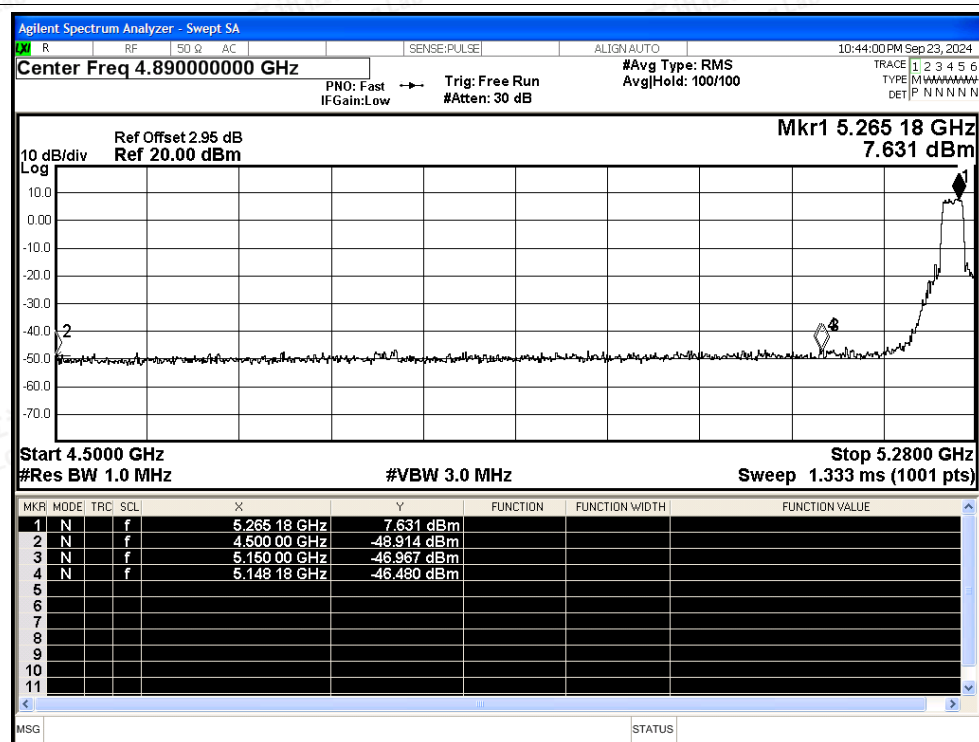
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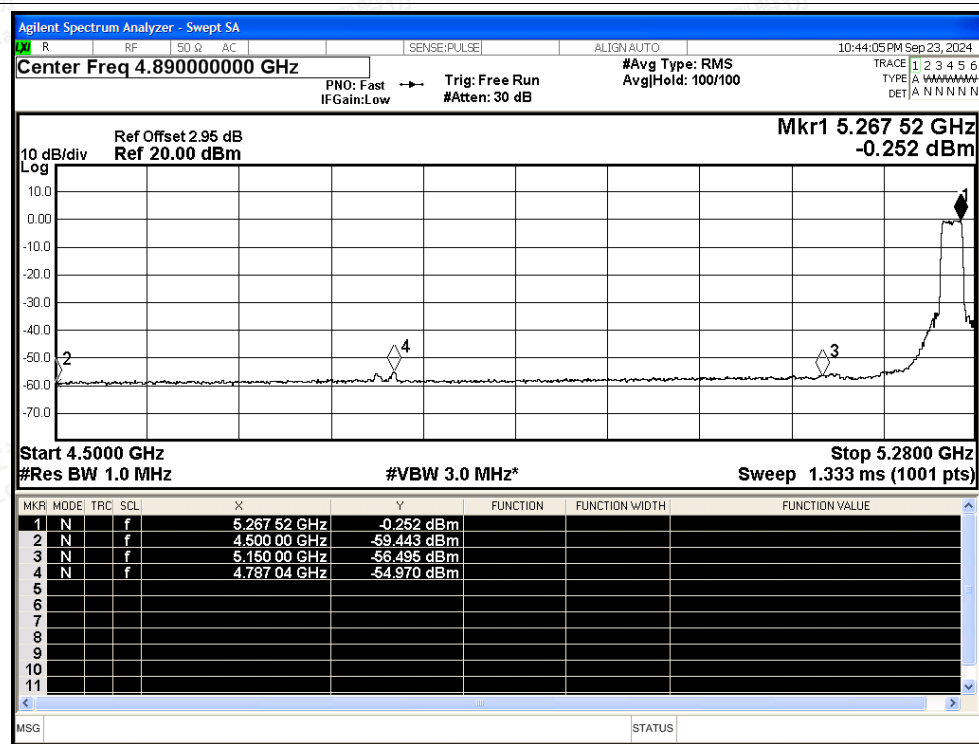
Scan code to check authenticity



## Restrict Band NVNT n20 5260MHz Ant2 Peak



## Restrict Band NVNT n20 5260MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

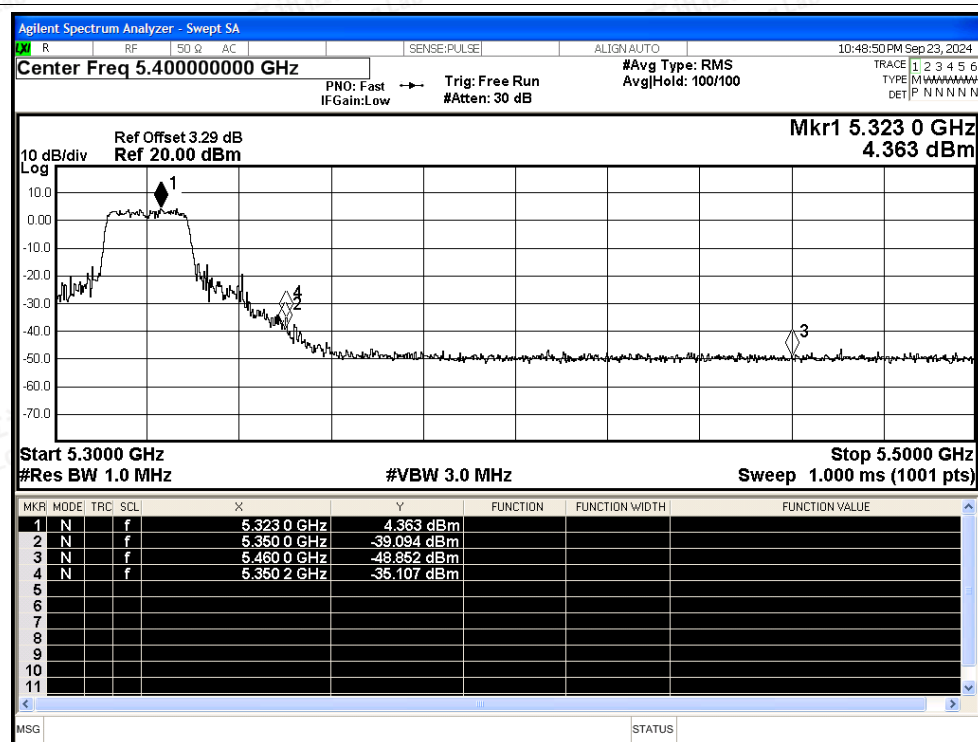
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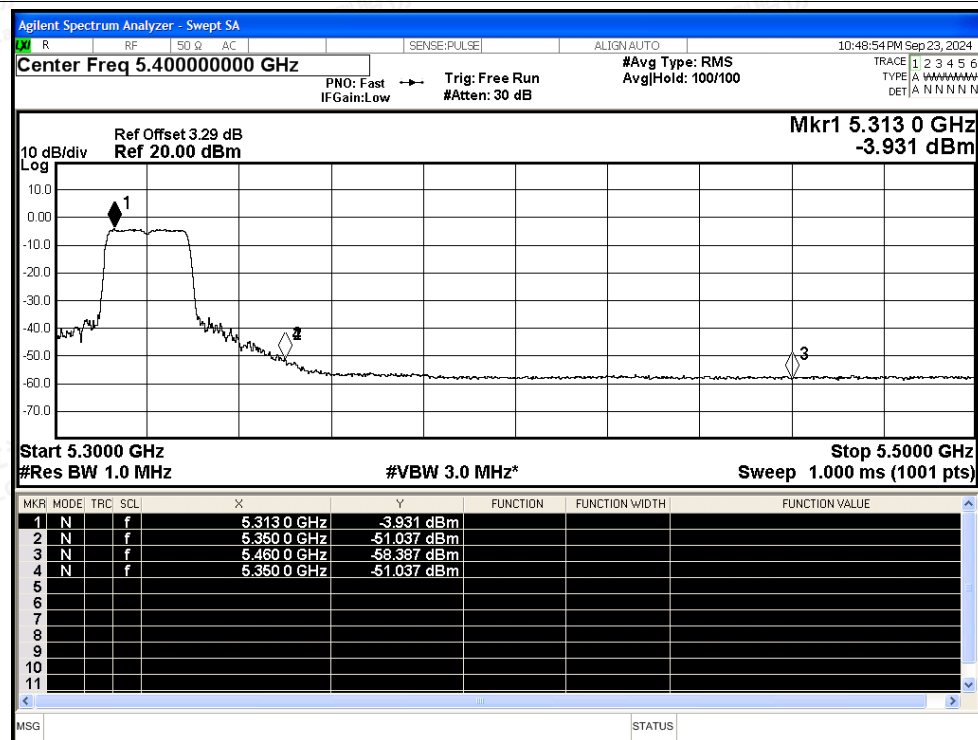
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## Restrict Band NVNT n20 5320MHz Ant2 Peak



## Restrict Band NVNT n20 5320MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

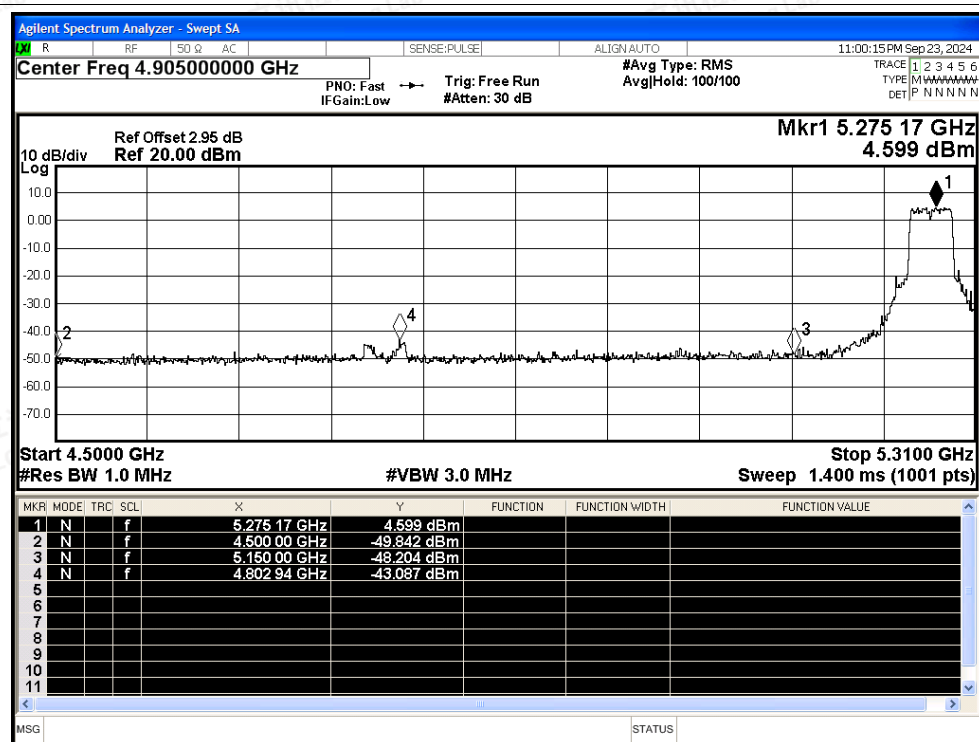
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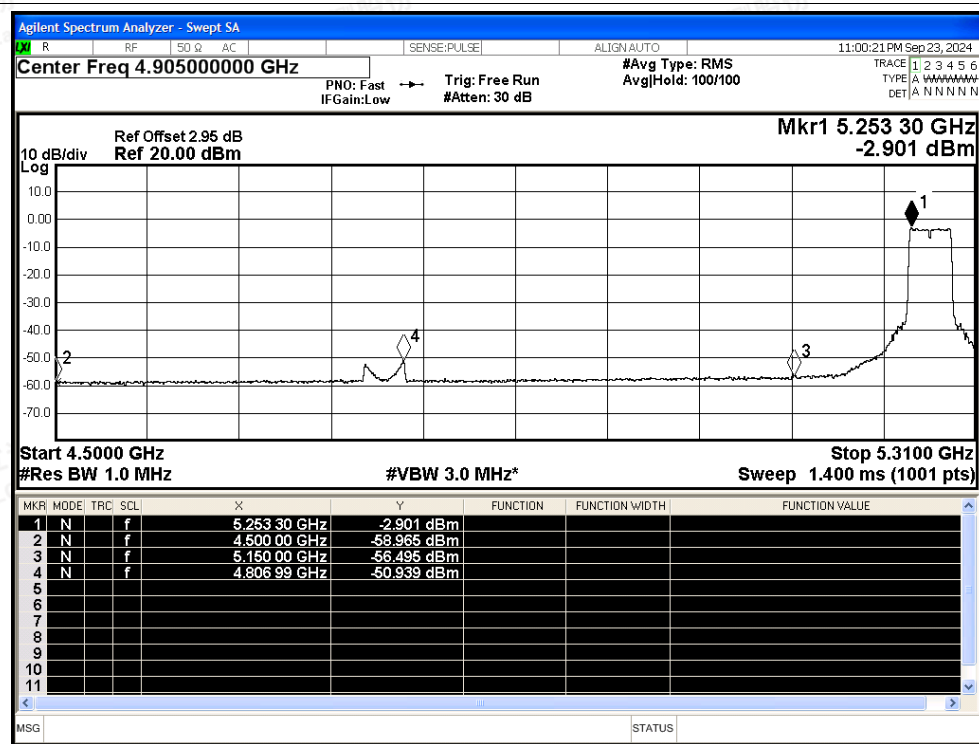
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## Restrict Band NVNT n40 5270MHz Ant2 Peak



## Restrict Band NVNT n40 5270MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

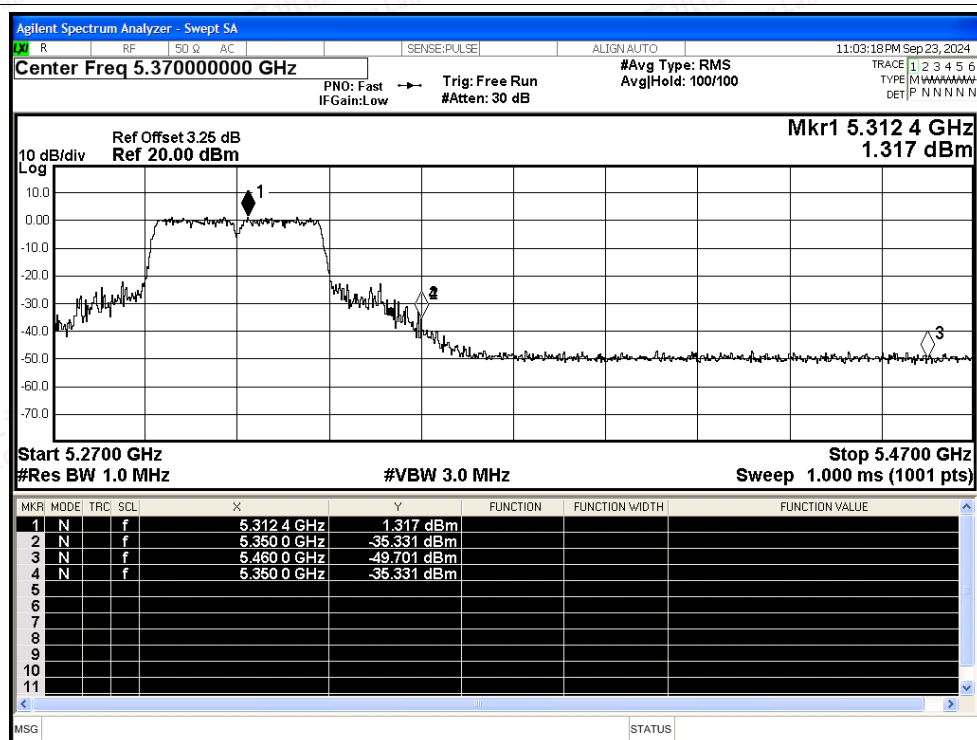
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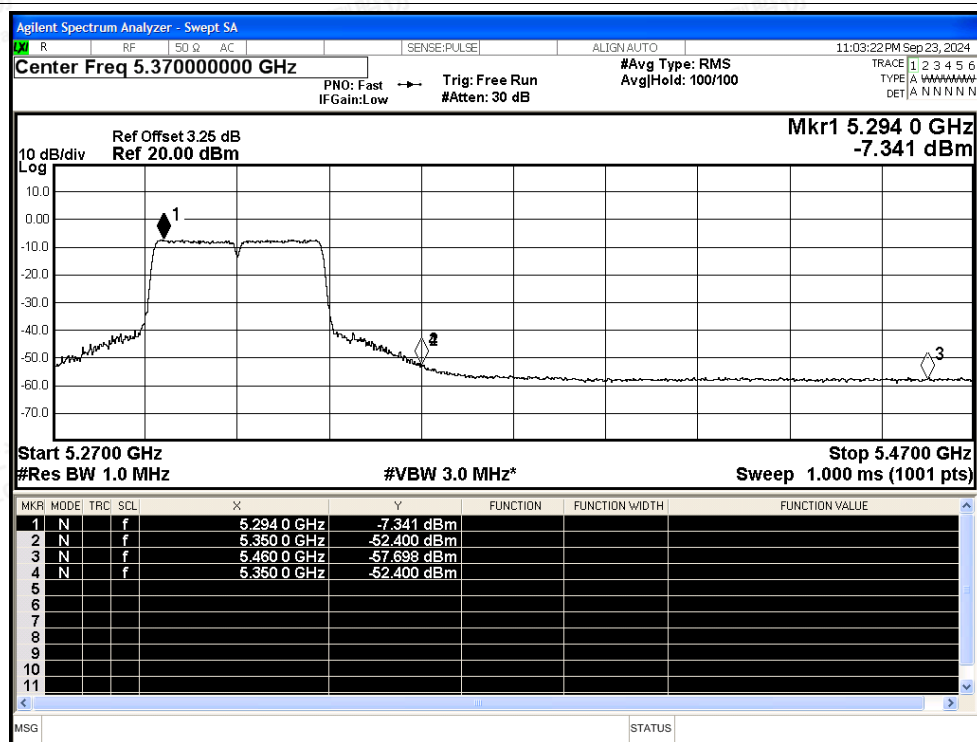
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## Restrict Band NVNT n40 5310MHz Ant2 Peak



## Restrict Band NVNT n40 5310MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

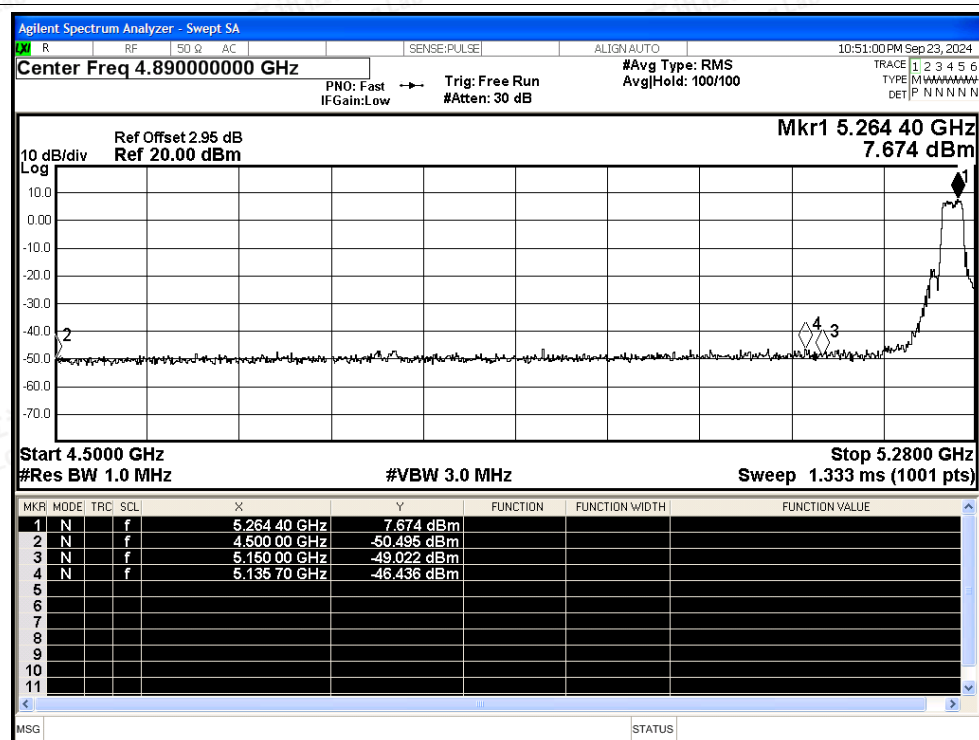
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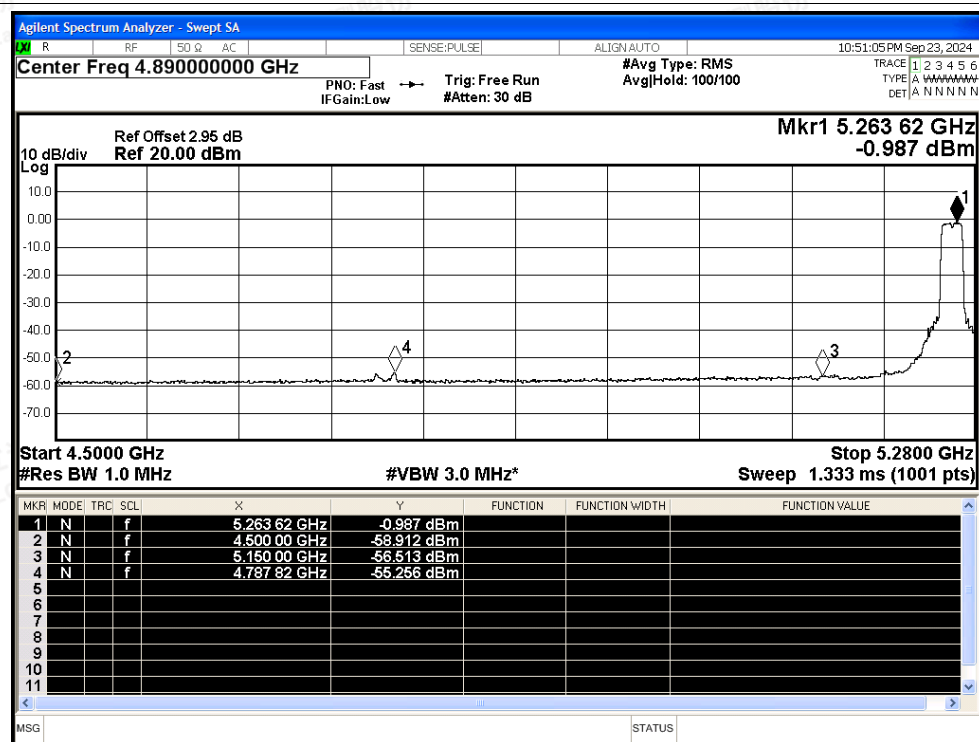
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## Restrict Band NVNT ac20 5260MHz Ant2 Peak



## Restrict Band NVNT ac20 5260MHz Ant2 Average



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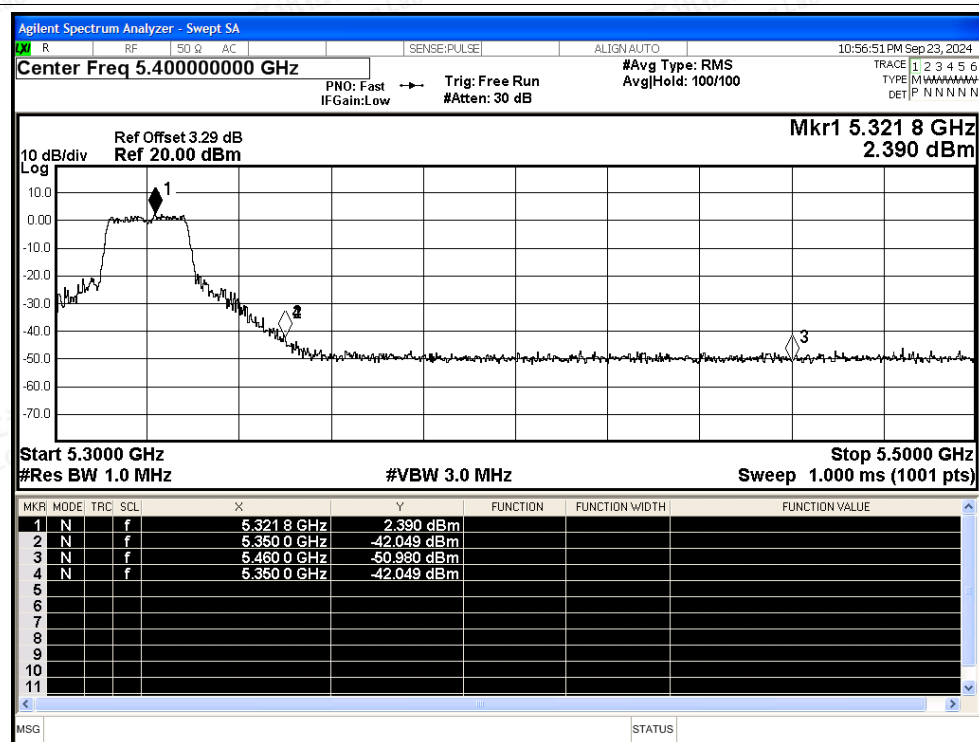
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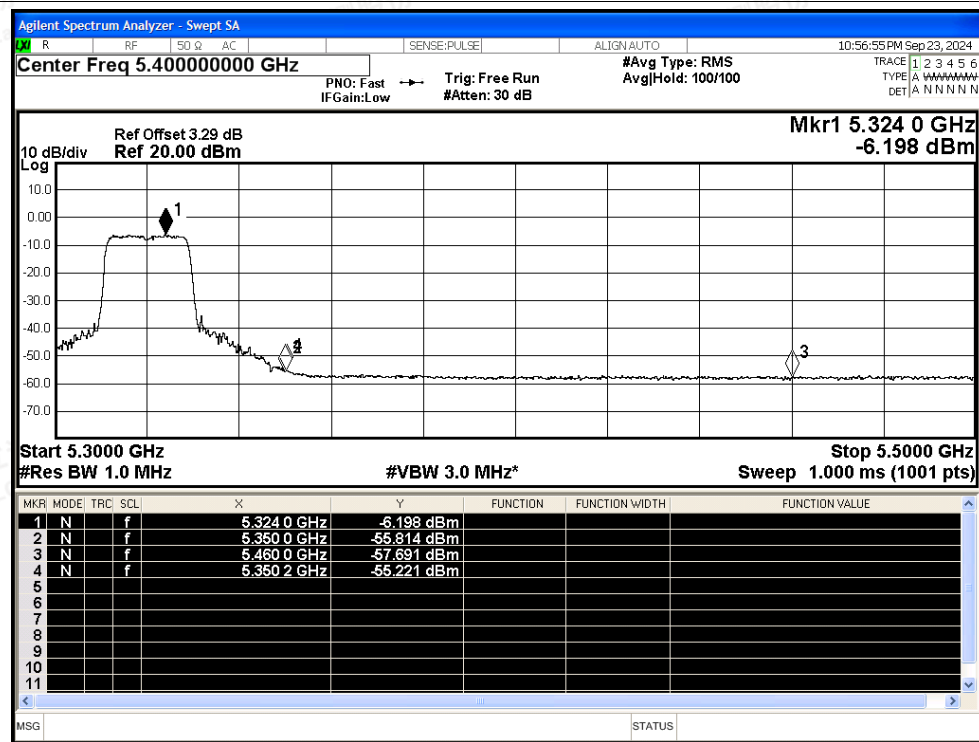




## Restrict Band NVNT ac20 5320MHz Ant2 Peak



## Restrict Band NVNT ac20 5320MHz Ant2 Average



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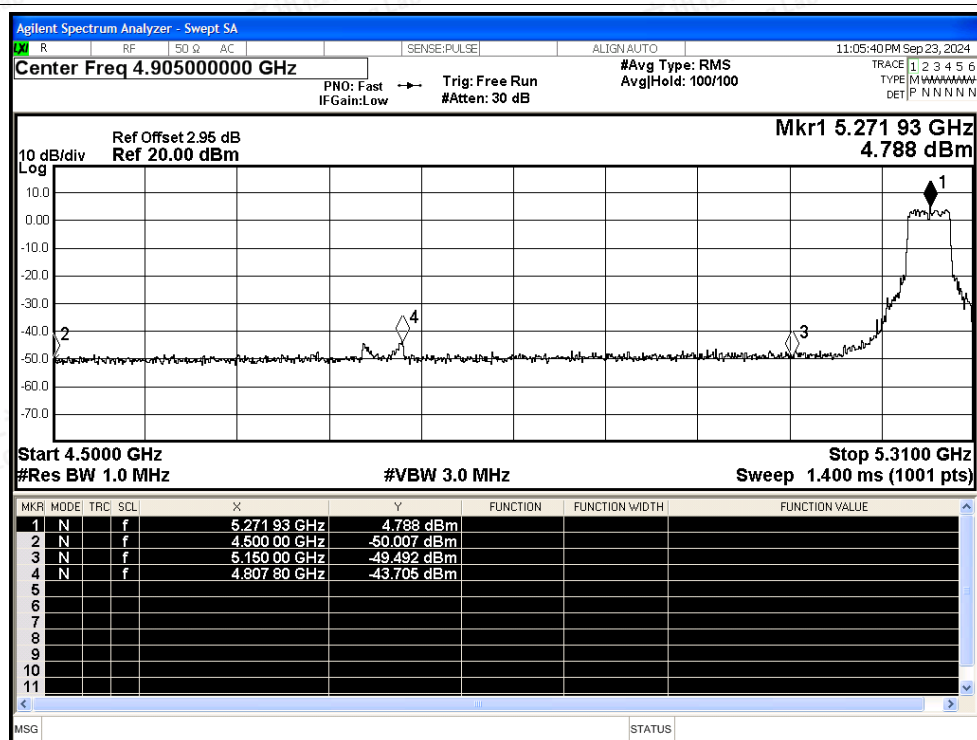
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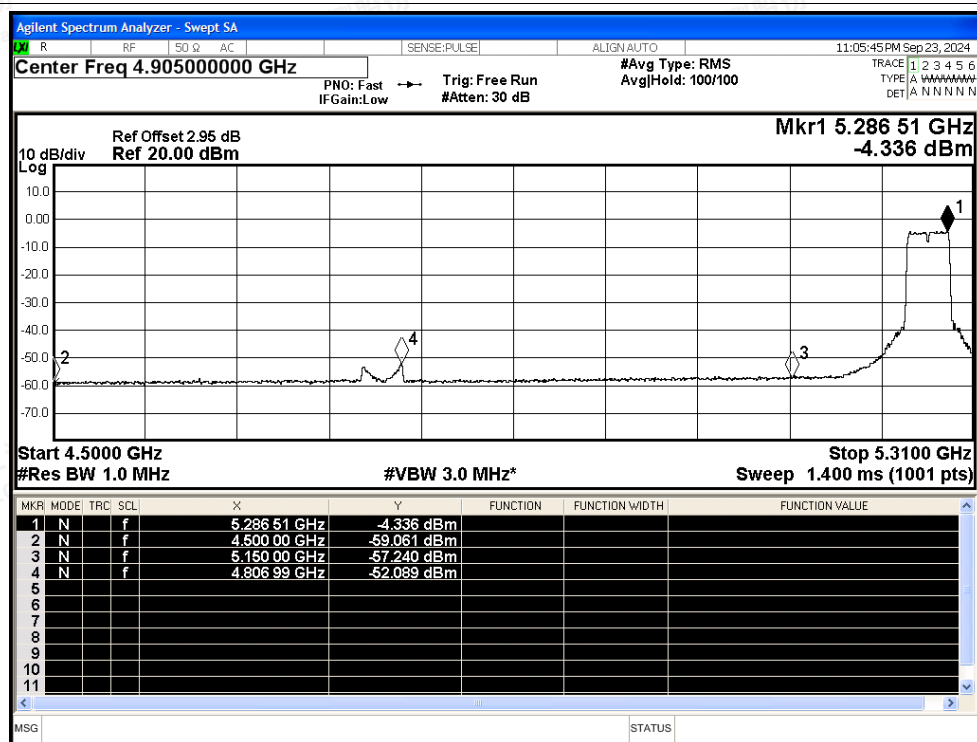
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## Restrict Band NVNT ac40 5270MHz Ant2 Peak



## Restrict Band NVNT ac40 5270MHz Ant2 Average



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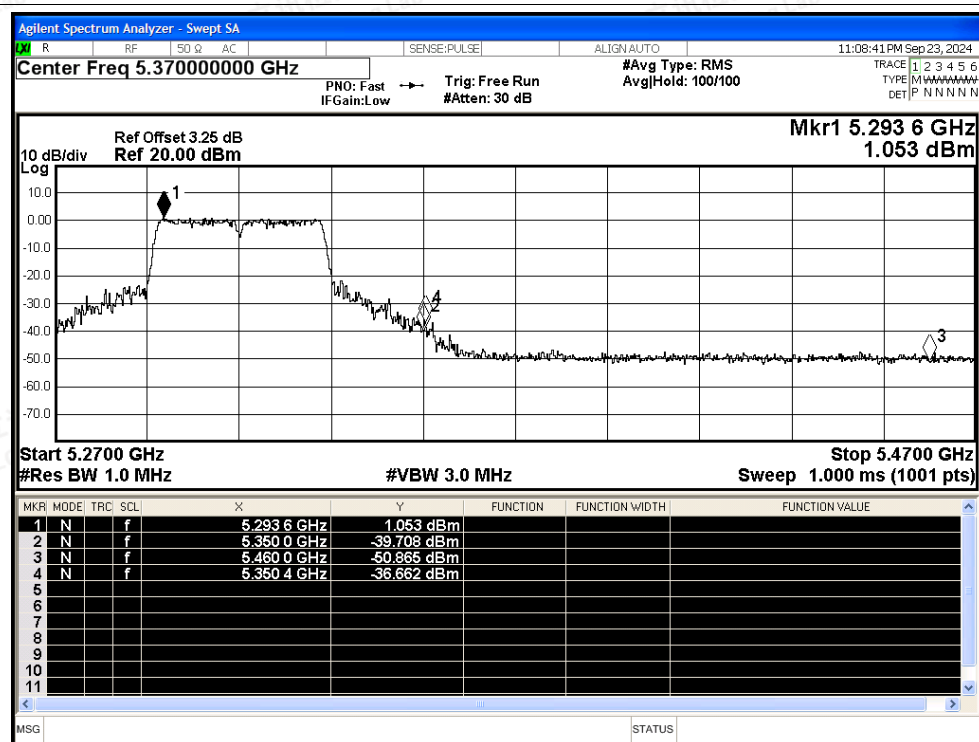
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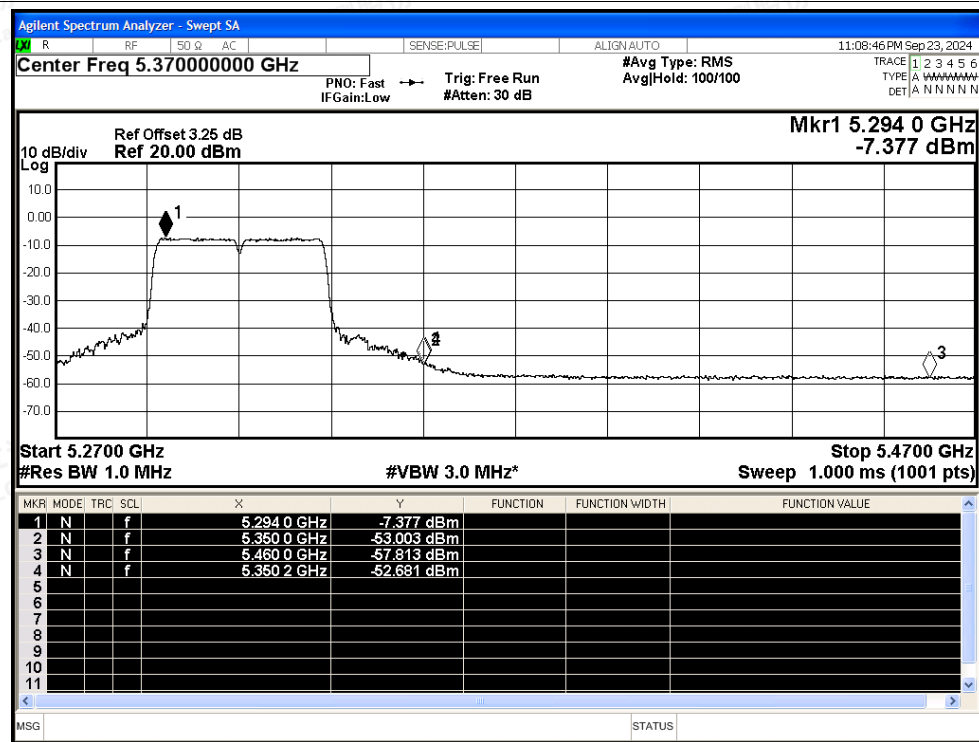
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## Restrict Band NVNT ac40 5310MHz Ant2 Peak



## Restrict Band NVNT ac40 5310MHz Ant2 Average



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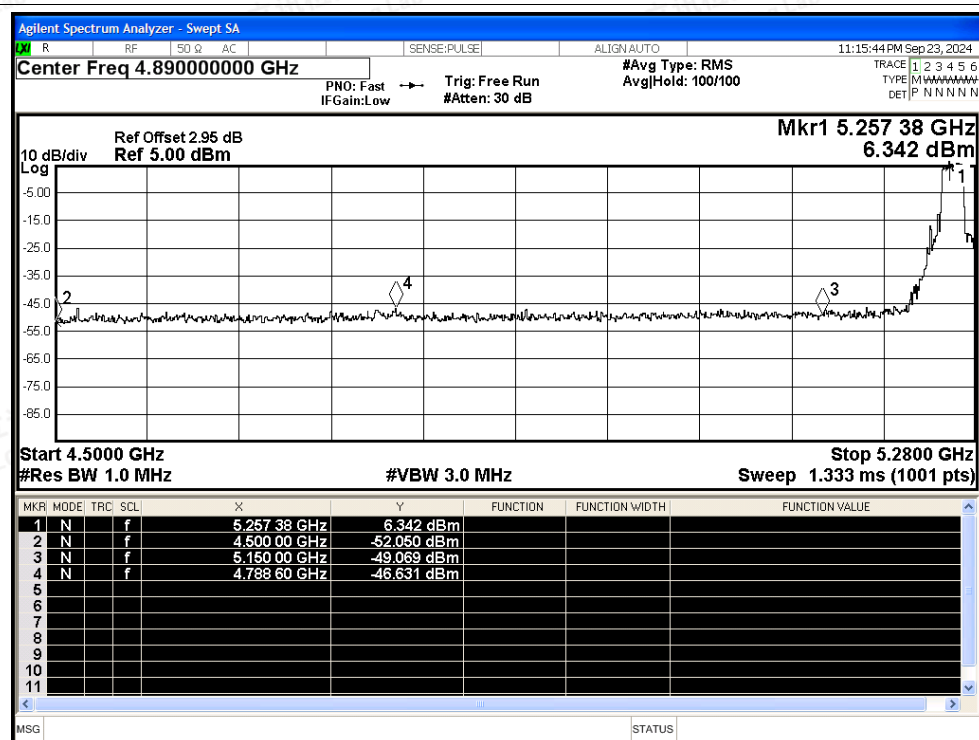
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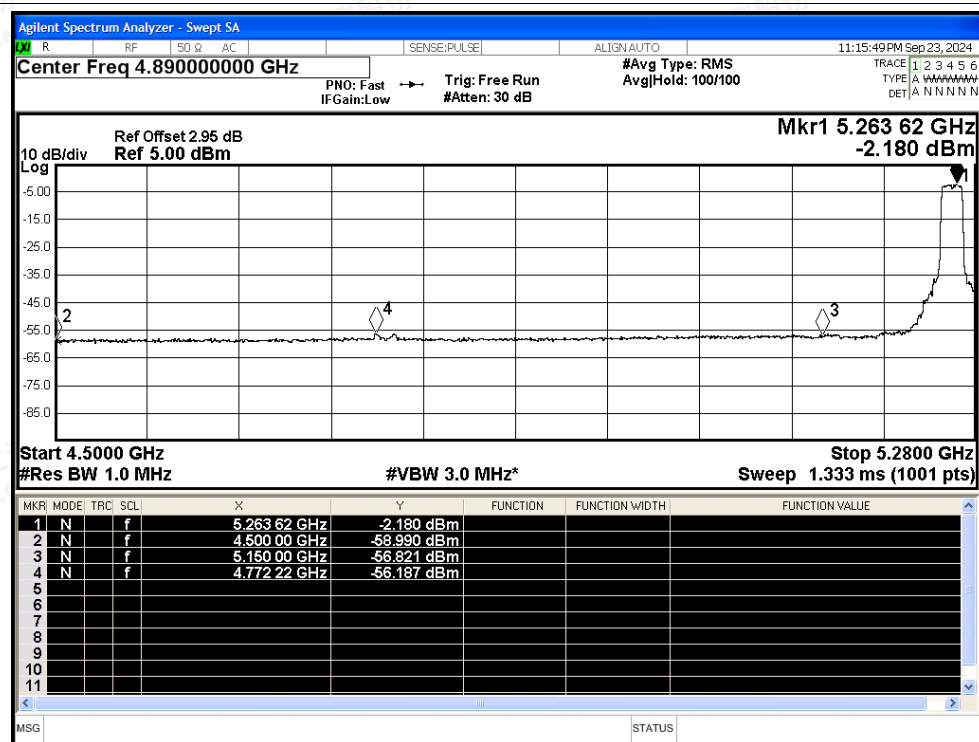
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## Restrict Band NVNT ax20 5260MHz Ant2 Peak



## Restrict Band NVNT ax20 5260MHz Ant2 Average



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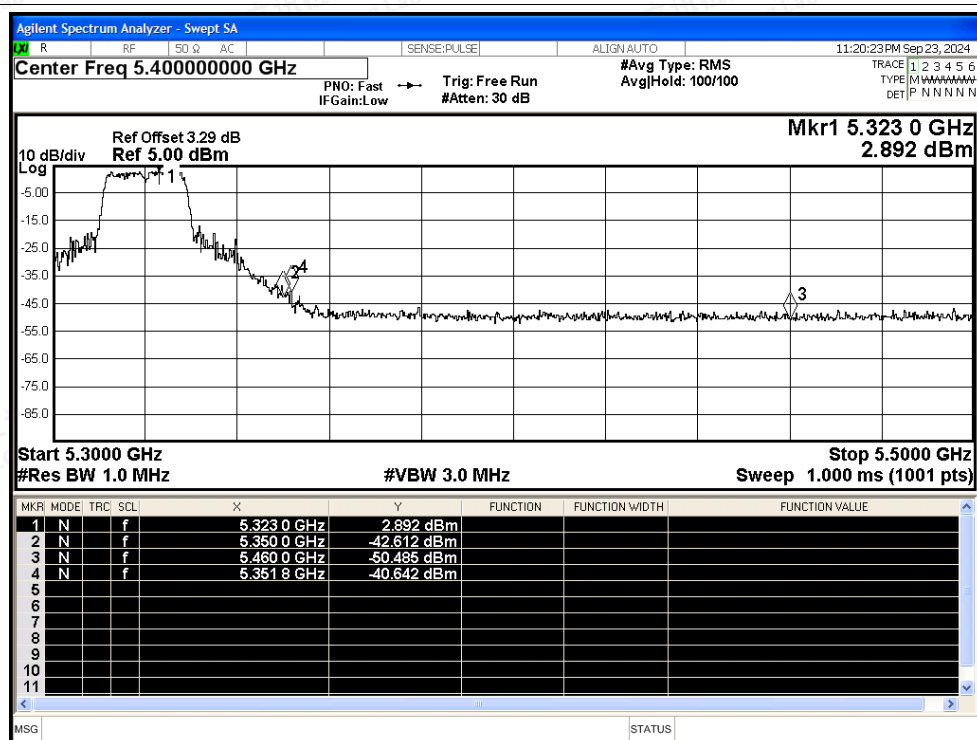
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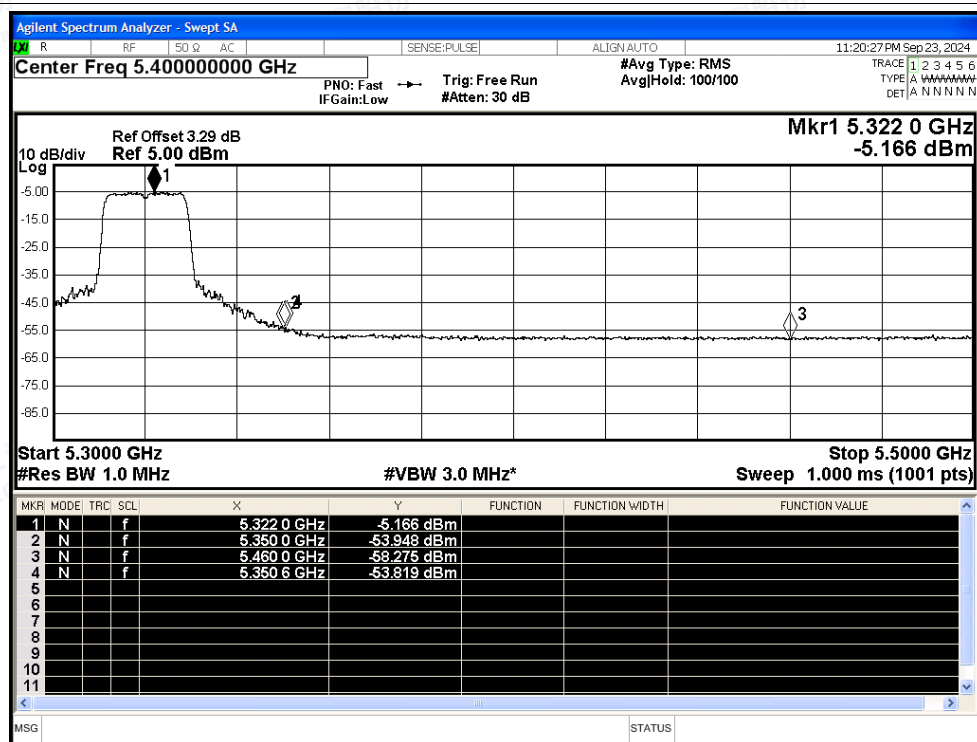
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## Restrict Band NVNT ax20 5320MHz Ant2 Peak



## Restrict Band NVNT ax20 5320MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

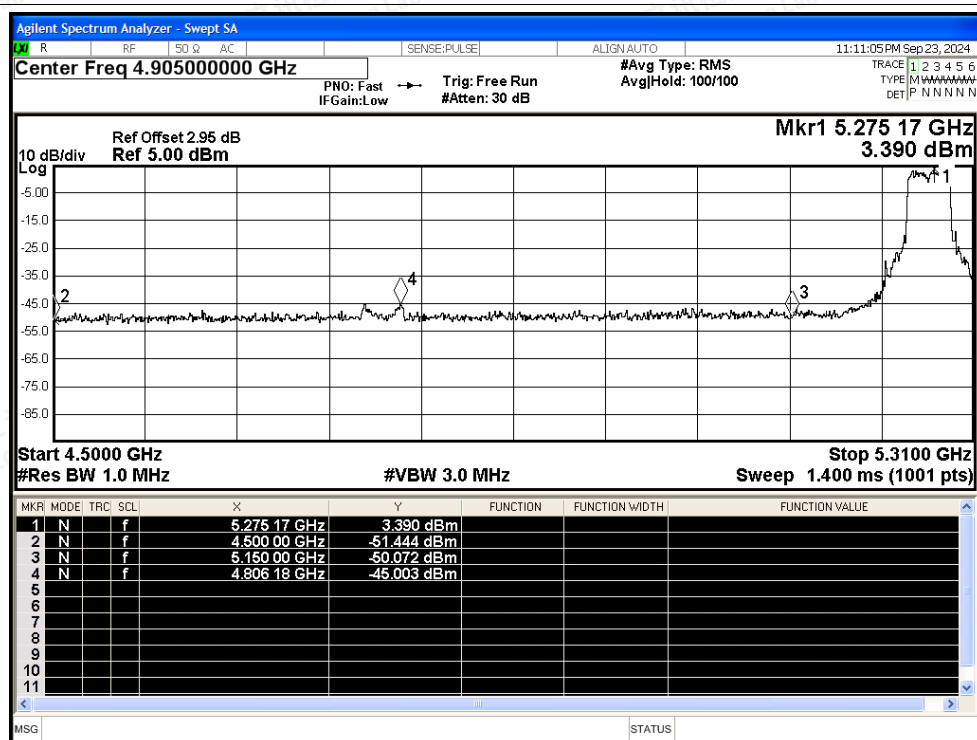
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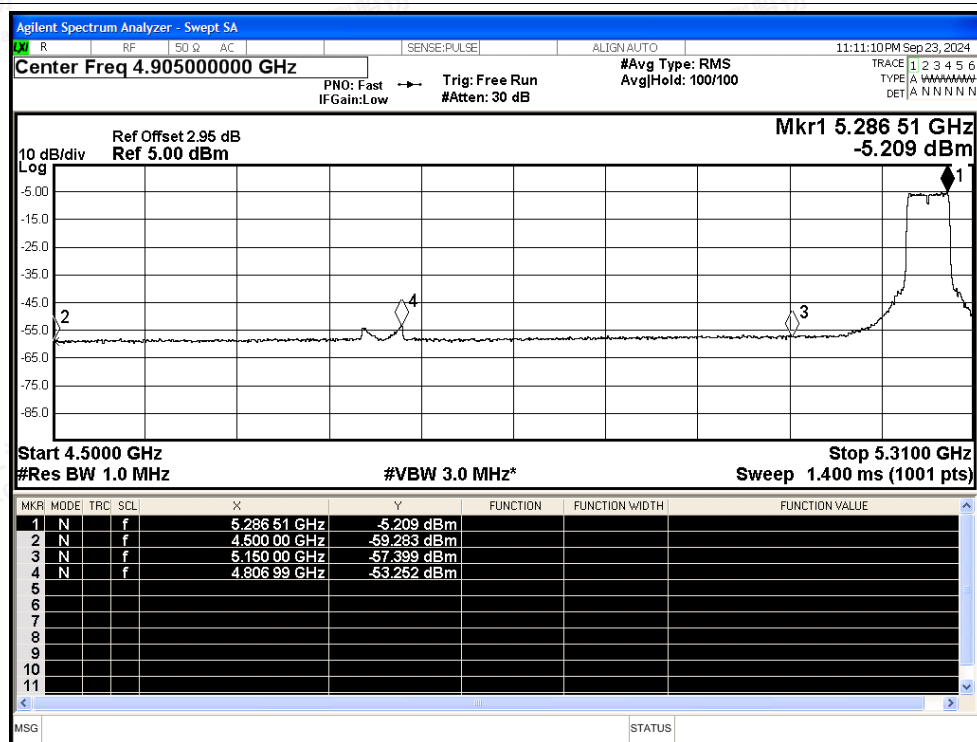
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## Restrict Band NVNT ax40 5270MHz Ant2 Peak



## Restrict Band NVNT ax40 5270MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

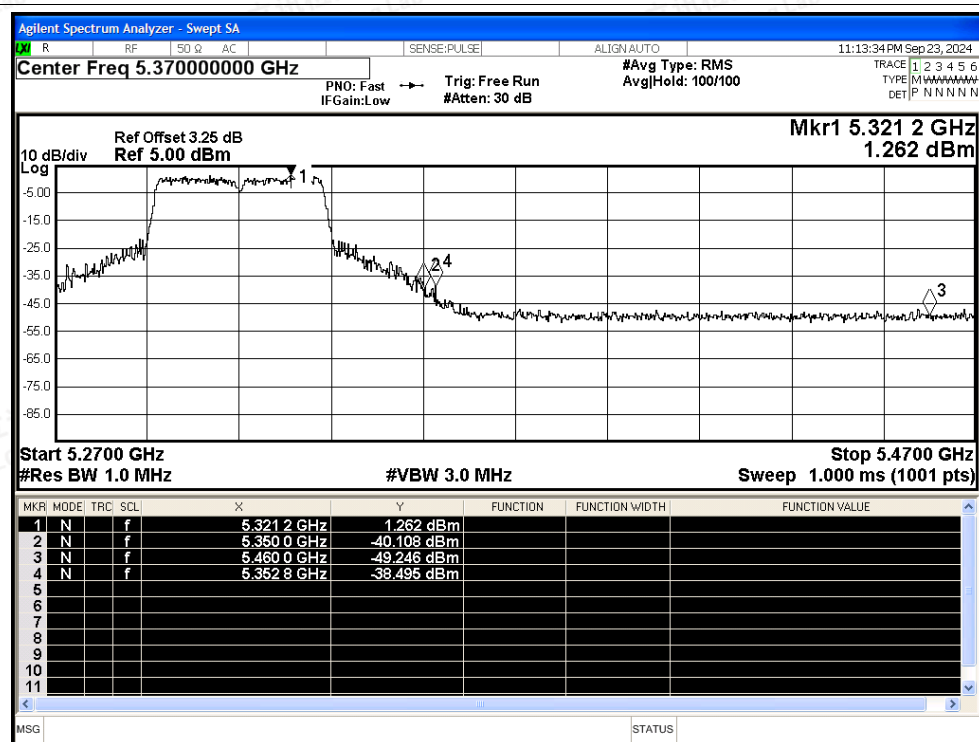
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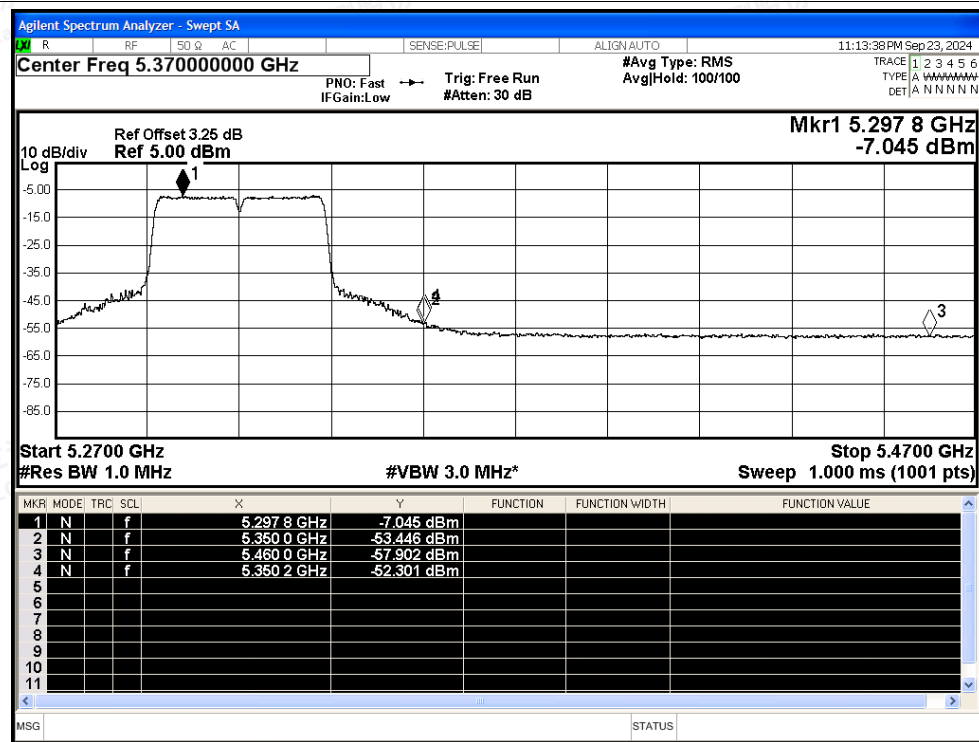
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## Restrict Band NVNT ax40 5310MHz Ant2 Peak



## Restrict Band NVNT ax40 5310MHz Ant2 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            | Ant2    | 5260                     | 0                    | 0               | 25          | Pass    |
| NVNT      | a    | 5300            | Ant2    | 5300                     | 0                    | 0               | 25          | Pass    |
| NVNT      | a    | 5320            | Ant2    | 5319.98                  | -20000               | -3.76           | 25          | Pass    |
| NVNT      | n20  | 5260            | Ant2    | 5259.98                  | -20000               | -3.8            | 25          | Pass    |
| NVNT      | n20  | 5300            | Ant2    | 5300                     | 0                    | 0               | 25          | Pass    |
| NVNT      | n20  | 5320            | Ant2    | 5319.98                  | -20000               | -3.76           | 25          | Pass    |
| NVNT      | n40  | 5270            | Ant2    | 5270                     | 0                    | 0               | 25          | Pass    |
| NVNT      | n40  | 5310            | Ant2    | 5310                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5260            | Ant2    | 5260                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5300            | Ant2    | 5300                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5320            | Ant2    | 5319.98                  | -20000               | -3.76           | 25          | Pass    |
| NVNT      | ac40 | 5270            | Ant2    | 5270                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac40 | 5310            | Ant2    | 5310                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ax20 | 5260            | Ant2    | 5260                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ax20 | 5300            | Ant2    | 5299.98                  | -20000               | -3.77           | 25          | Pass    |
| NVNT      | ax20 | 5320            | Ant2    | 5319.96                  | -40000               | -7.52           | 25          | Pass    |
| NVNT      | ax40 | 5270            | Ant2    | 5270                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ax40 | 5310            | Ant2    | 5310                     | 0                    | 0               | 25          | Pass    |

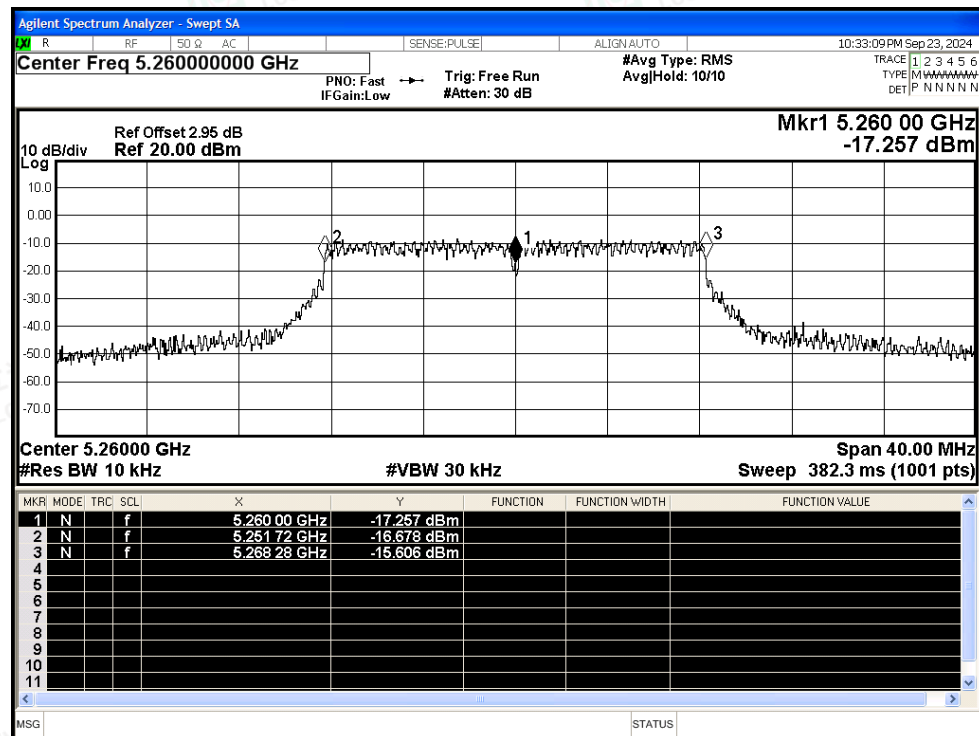




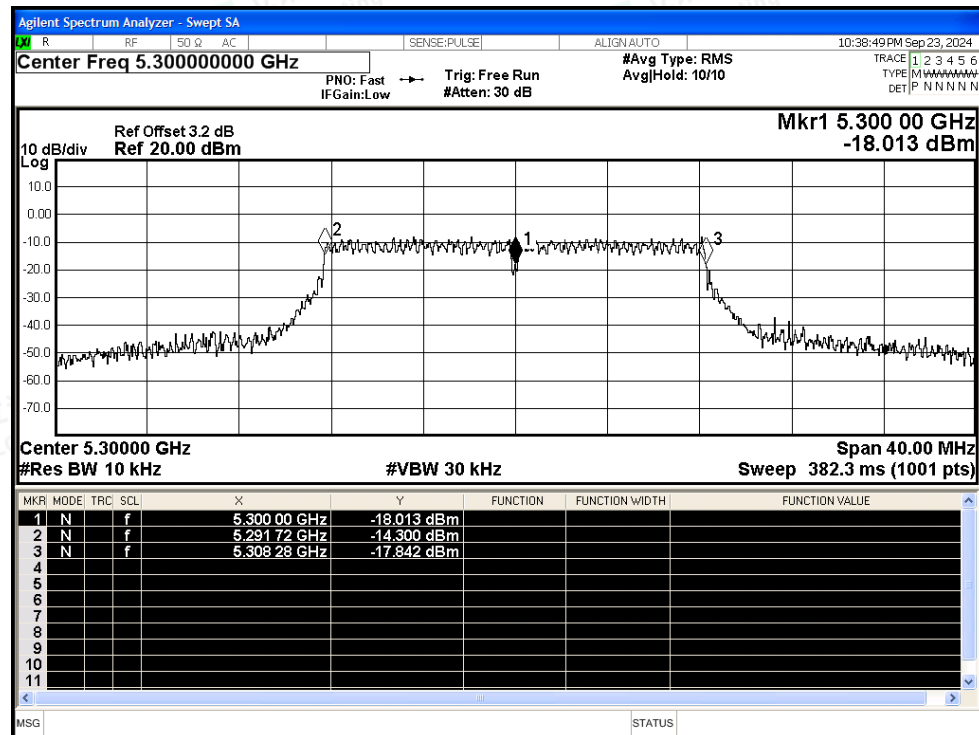


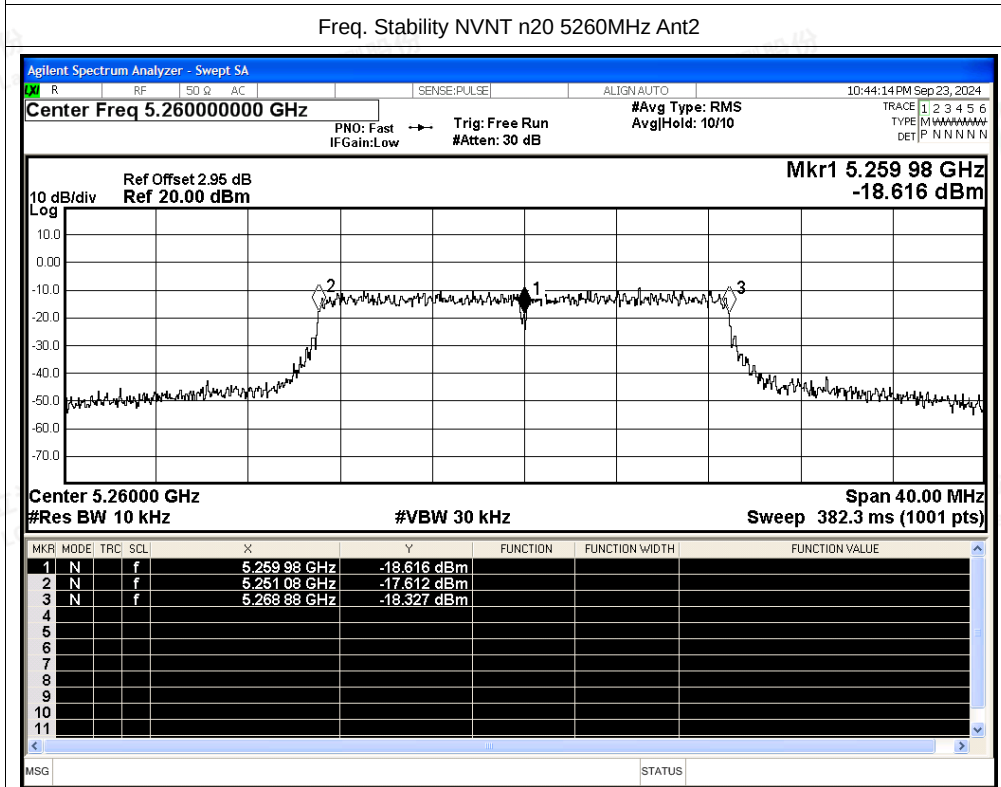
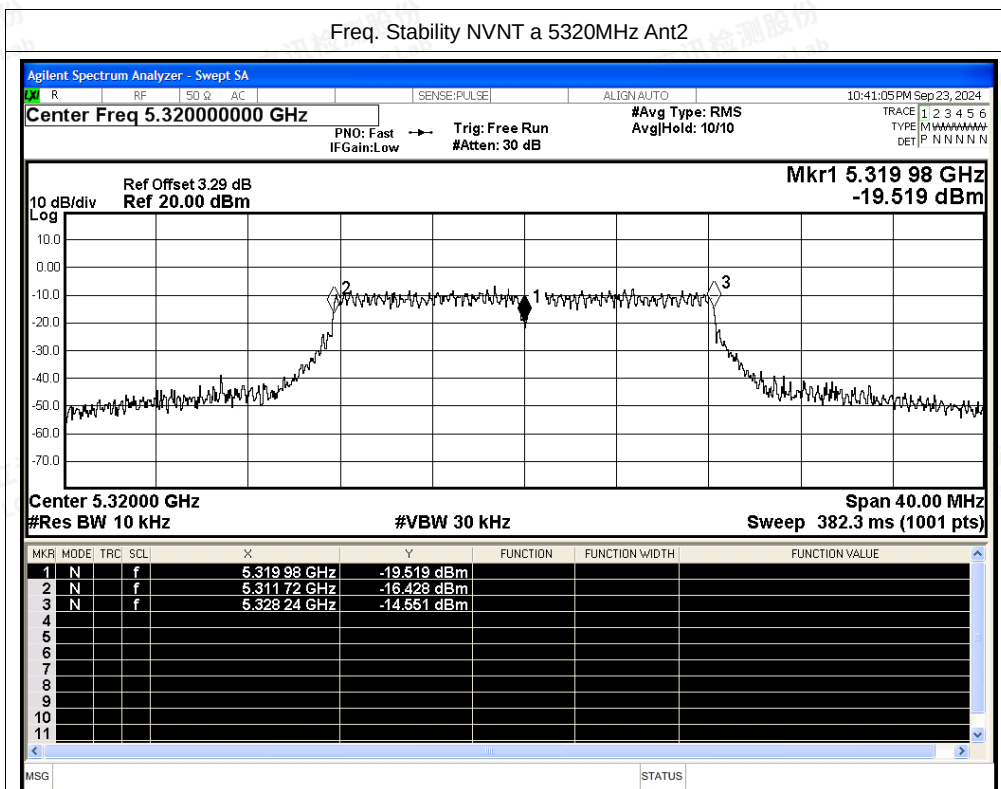
## Test Graphs

## Freq. Stability NVNT a 5260MHz Ant2



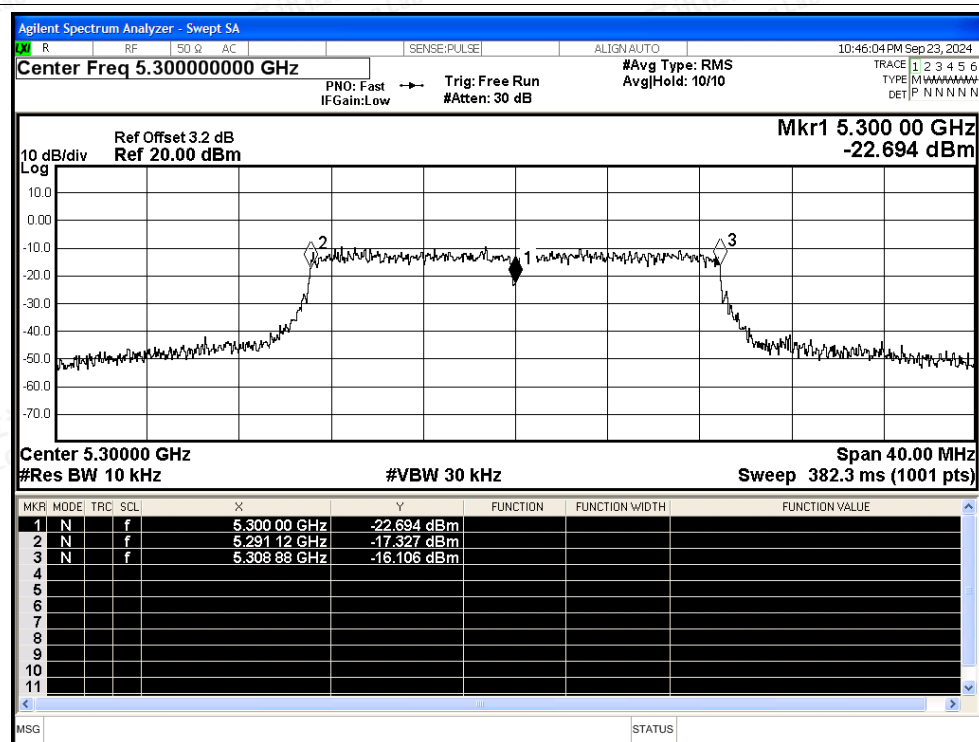
## Freq. Stability NVNT a 5300MHz Ant2



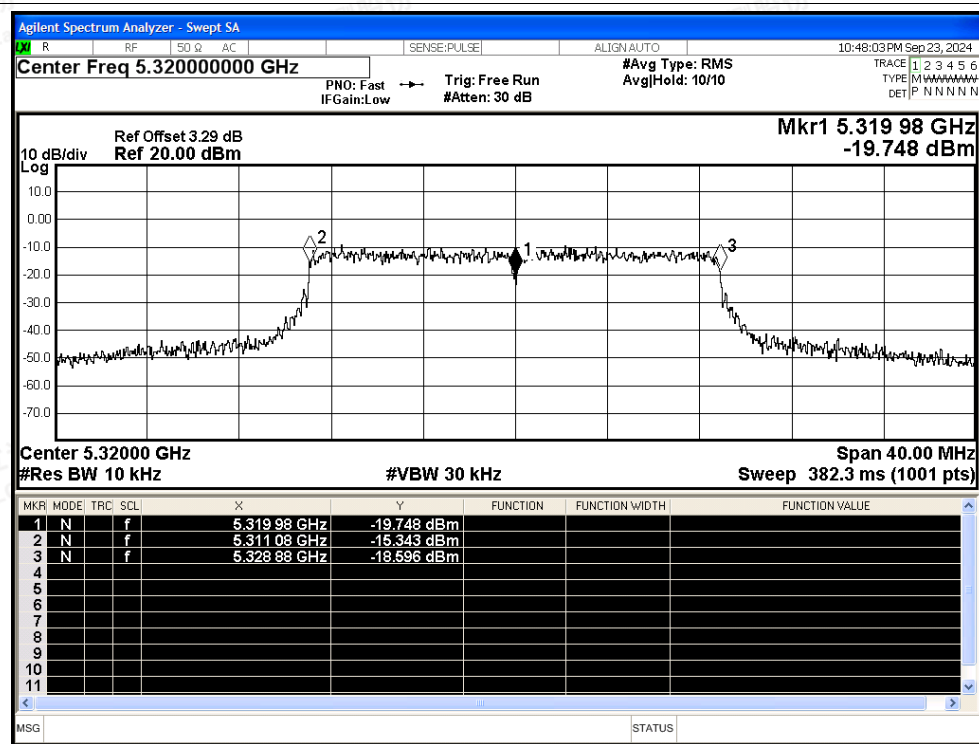




## Freq. Stability NVNT n20 5300MHz Ant2



## Freq. Stability NVNT n20 5320MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

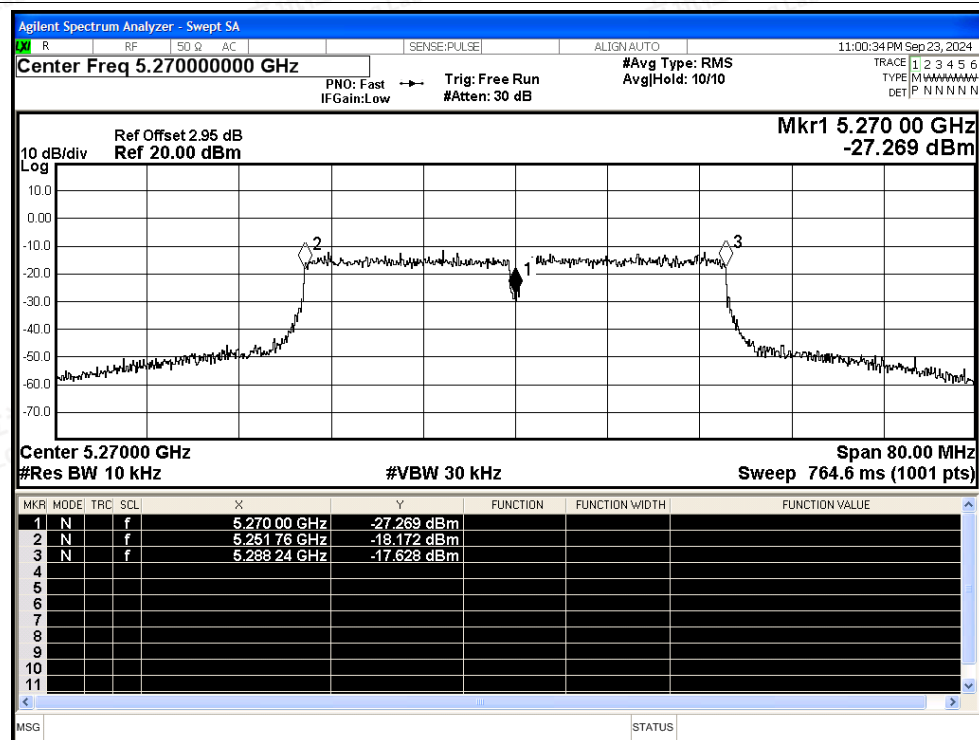
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

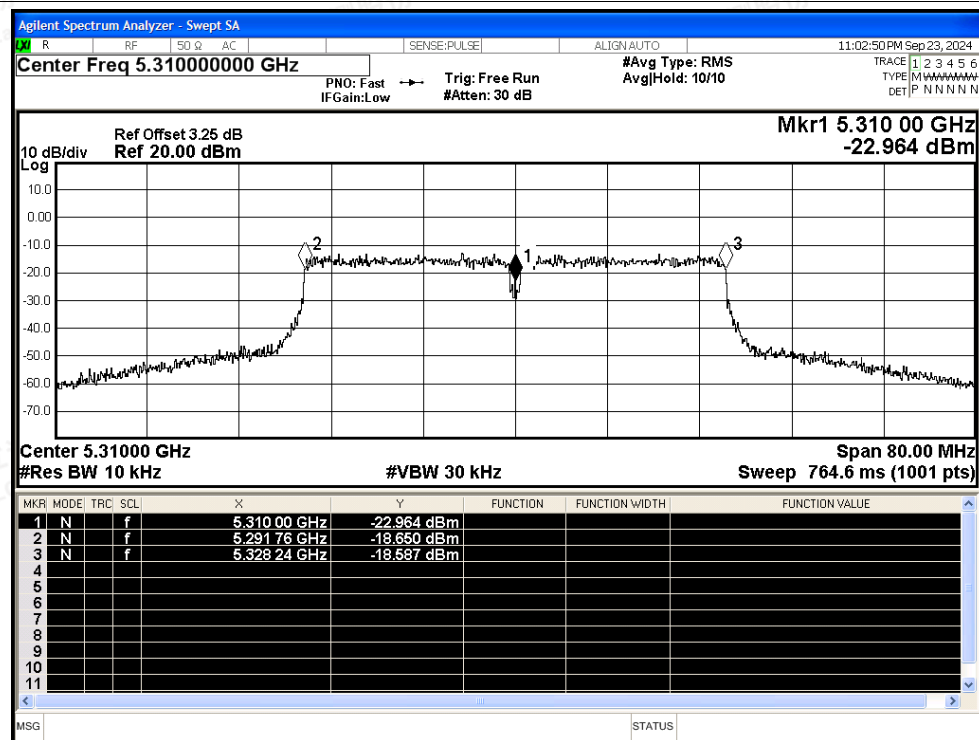
Scan code to check authenticity



## Freq. Stability NVNT n40 5270MHz Ant2



## Freq. Stability NVNT n40 5310MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

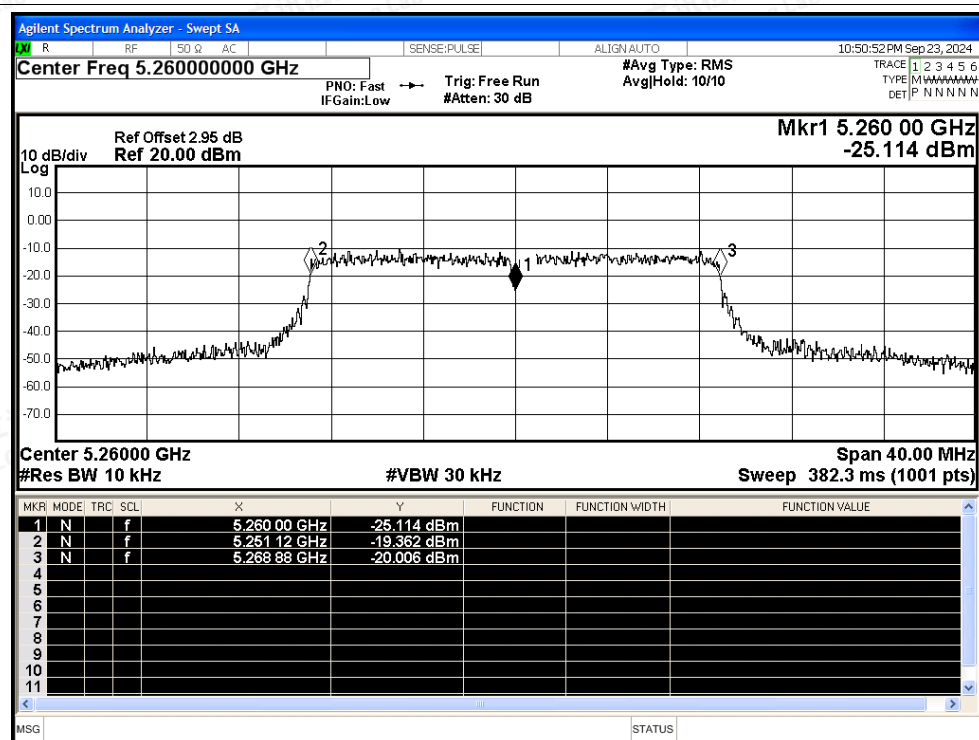
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

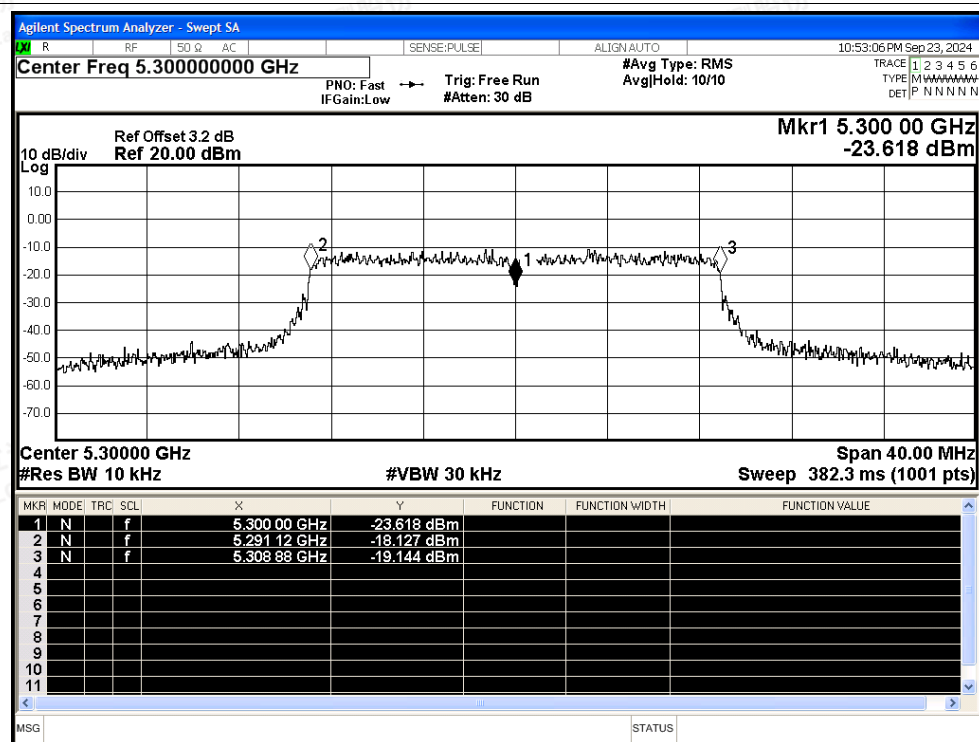
Scan code to check authenticity



## Freq. Stability NVNT ac20 5260MHz Ant2



## Freq. Stability NVNT ac20 5300MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

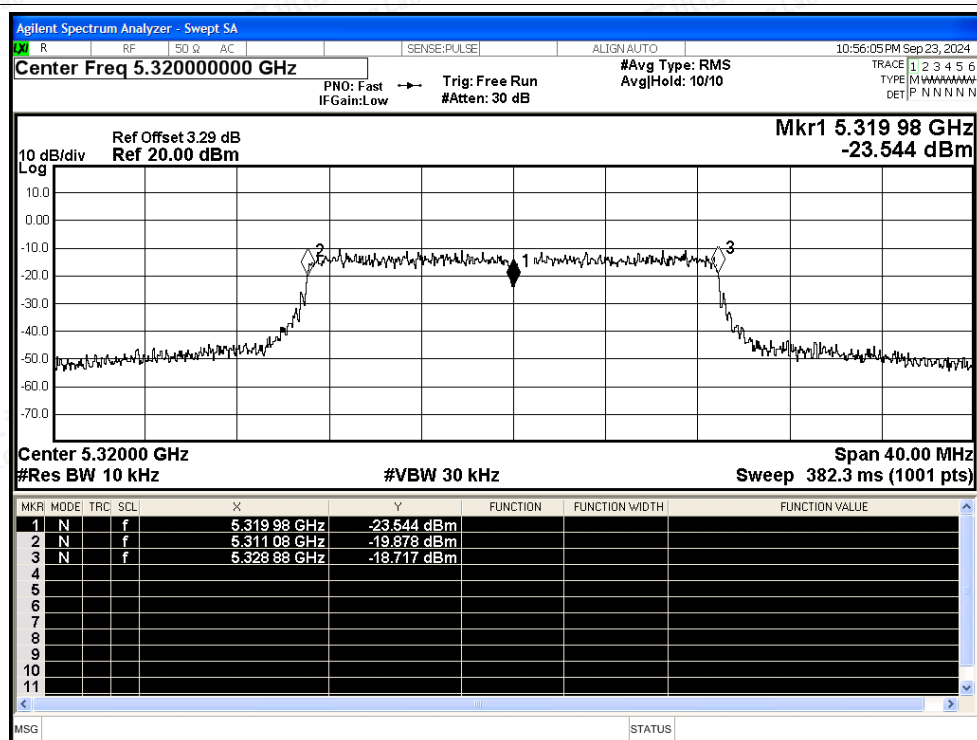
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

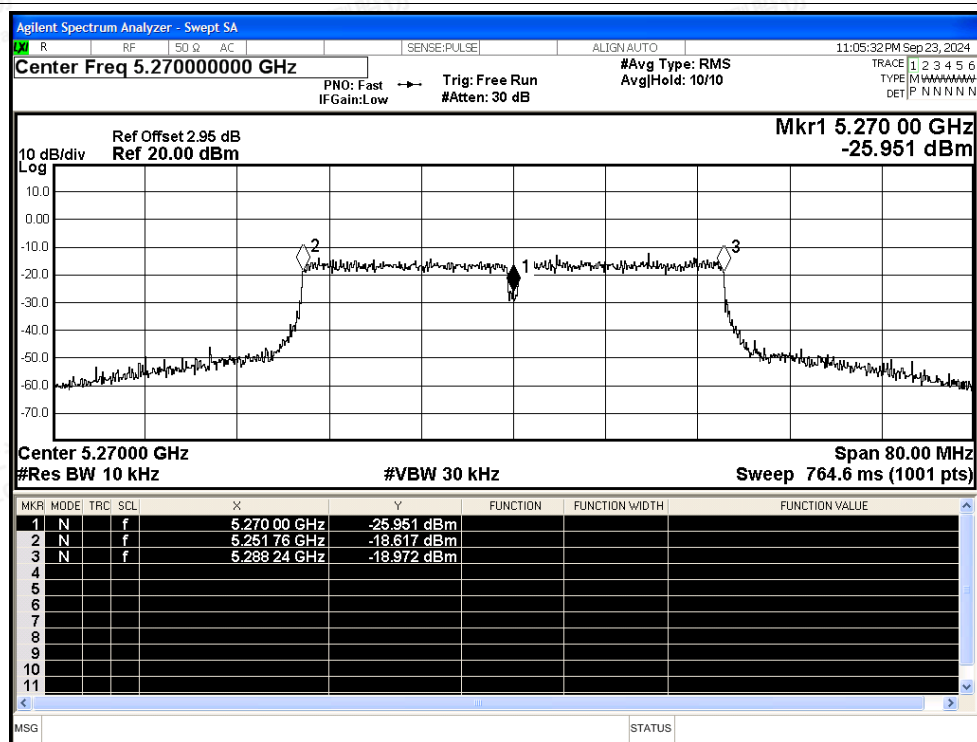
Scan code to check authenticity



## Freq. Stability NVNT ac20 5320MHz Ant2



## Freq. Stability NVNT ac40 5270MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

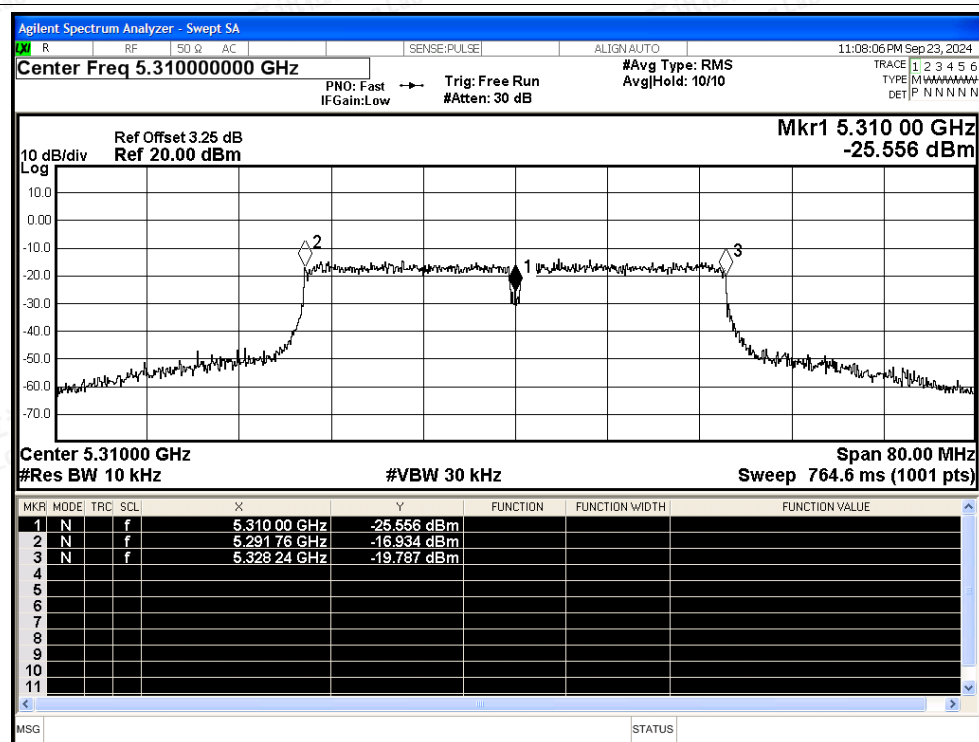
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

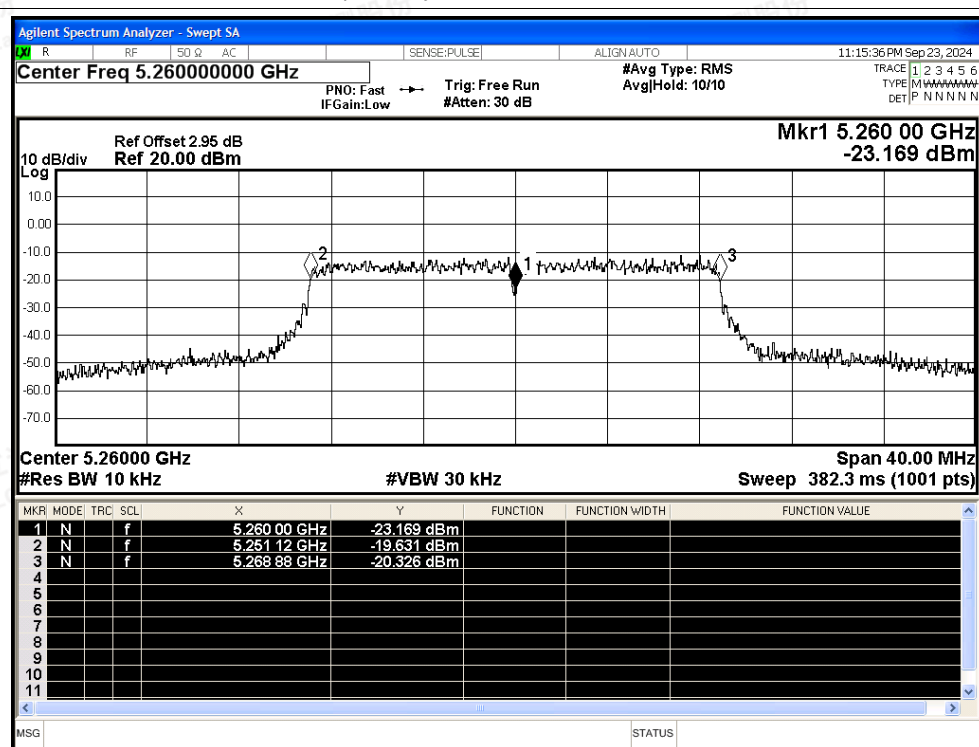
Scan code to check authenticity



## Freq. Stability NVNT ac40 5310MHz Ant2



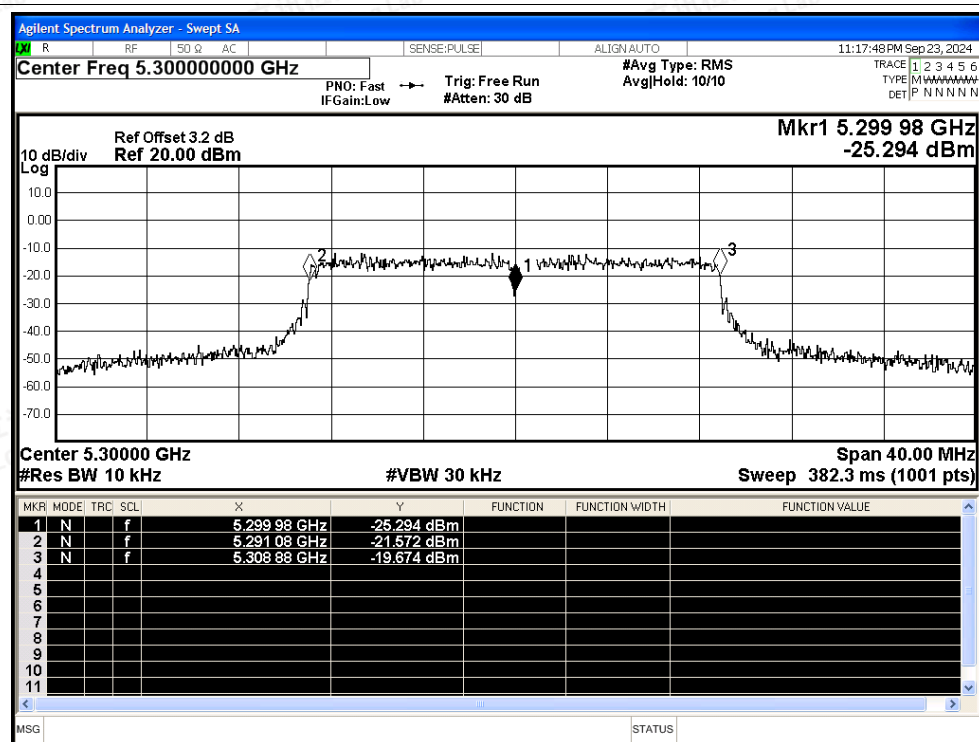
## Freq. Stability NVNT ax20 5260MHz Ant2



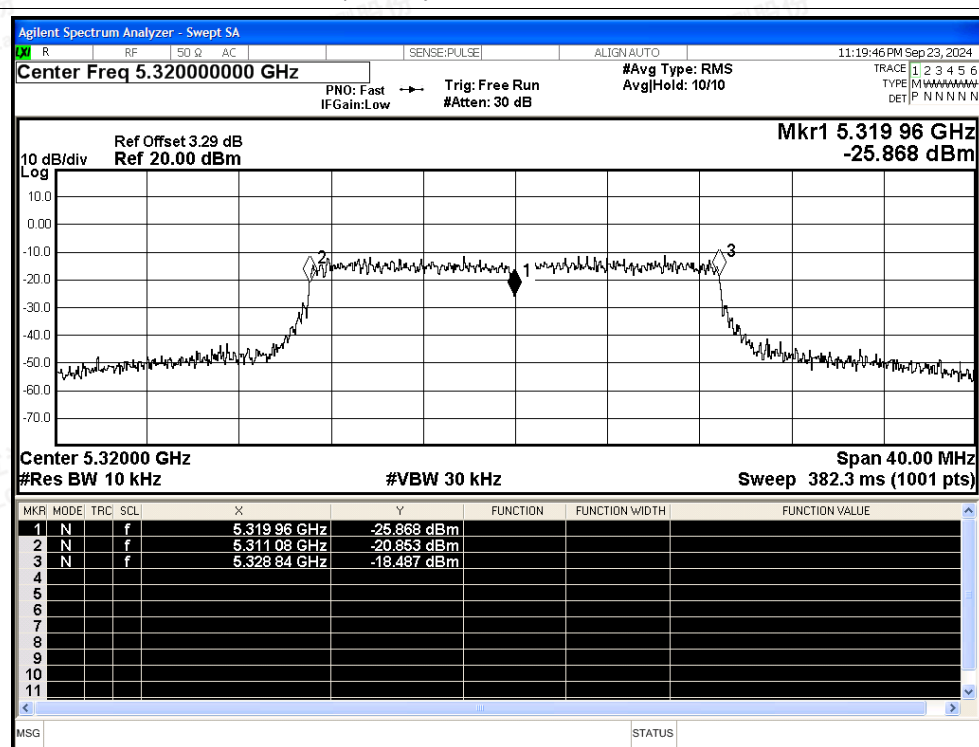




## Freq. Stability NVNT ax20 5300MHz Ant2



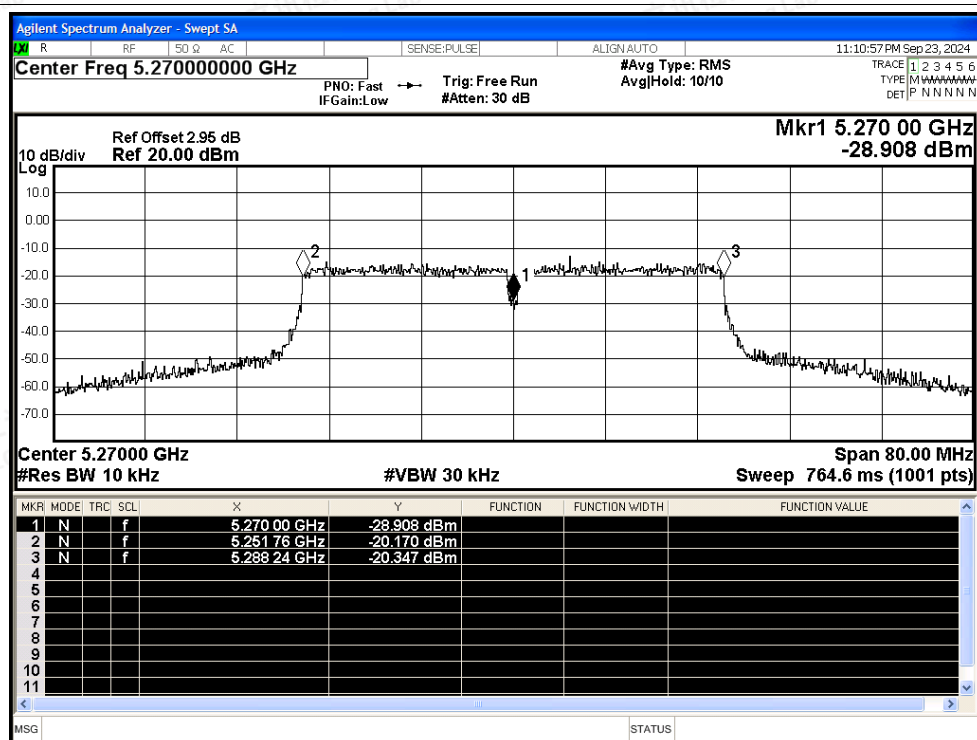
## Freq. Stability NVNT ax20 5320MHz Ant2



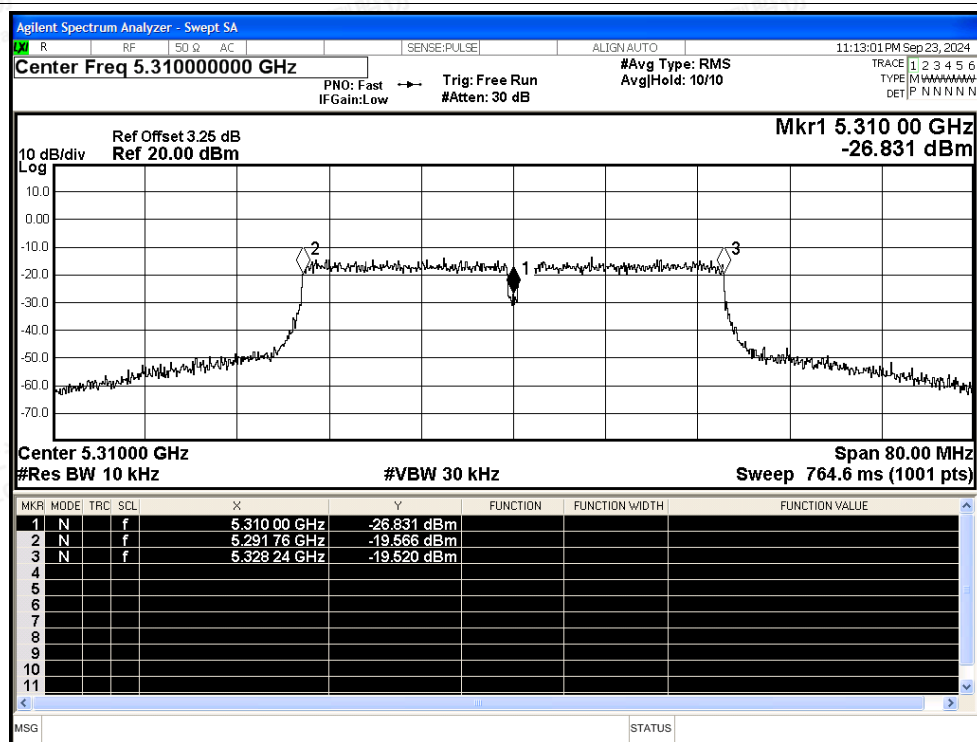




## Freq. Stability NVNT ax40 5270MHz Ant2



## Freq. Stability NVNT ax40 5310MHz Ant2





## E.6 Duty Cycle

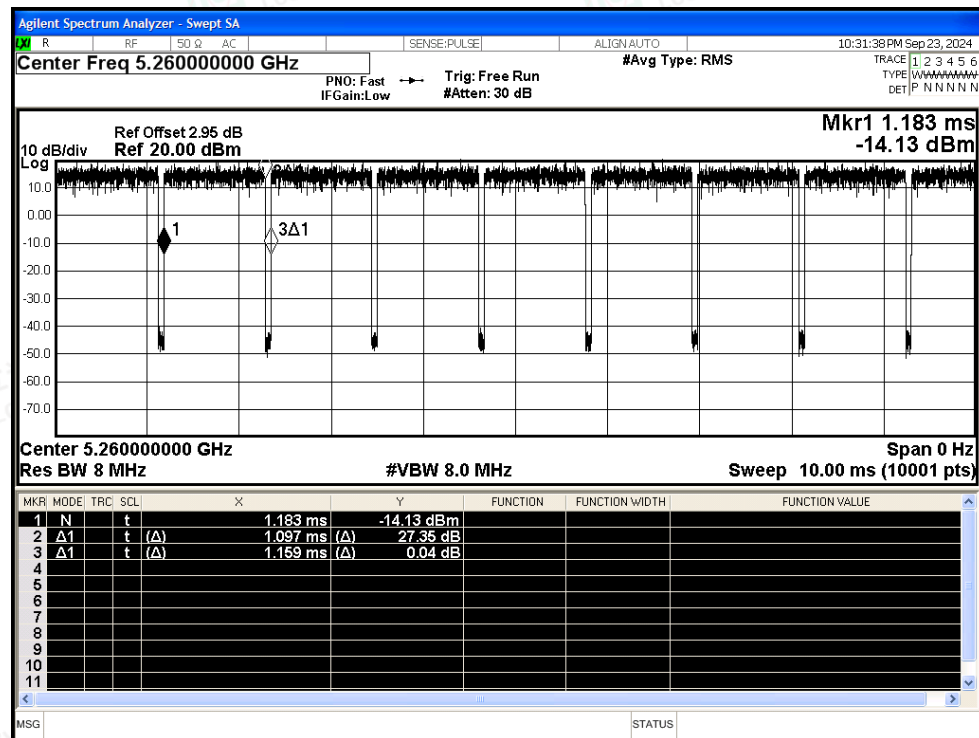
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5260            | Ant2    | 94.65          | 0.24                   | 0.91      |
| NVNT      | a    | 5300            | Ant2    | 94.65          | 0.24                   | 0.91      |
| NVNT      | a    | 5320            | Ant2    | 94.65          | 0.24                   | 0.91      |
| NVNT      | n20  | 5260            | Ant2    | 97.29          | 0.12                   | 0.44      |
| NVNT      | n20  | 5300            | Ant2    | 97.29          | 0.12                   | 0.44      |
| NVNT      | n20  | 5320            | Ant2    | 97.29          | 0.12                   | 0.44      |
| NVNT      | n40  | 5270            | Ant2    | 97.23          | 0.12                   | 0.46      |
| NVNT      | n40  | 5310            | Ant2    | 97.23          | 0.12                   | 0.46      |
| NVNT      | ac20 | 5260            | Ant2    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ac20 | 5300            | Ant2    | 97.3           | 0.12                   | 0.44      |
| NVNT      | ac20 | 5320            | Ant2    | 97.3           | 0.12                   | 0.44      |
| NVNT      | ac40 | 5270            | Ant2    | 97.24          | 0.12                   | 0.46      |
| NVNT      | ac40 | 5310            | Ant2    | 97.24          | 0.12                   | 0.46      |
| NVNT      | ax20 | 5260            | Ant2    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ax20 | 5300            | Ant2    | 97.3           | 0.12                   | 0.44      |
| NVNT      | ax20 | 5320            | Ant2    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ax40 | 5270            | Ant2    | 97.19          | 0.12                   | 0.46      |
| NVNT      | ax40 | 5310            | Ant2    | 97.19          | 0.12                   | 0.46      |



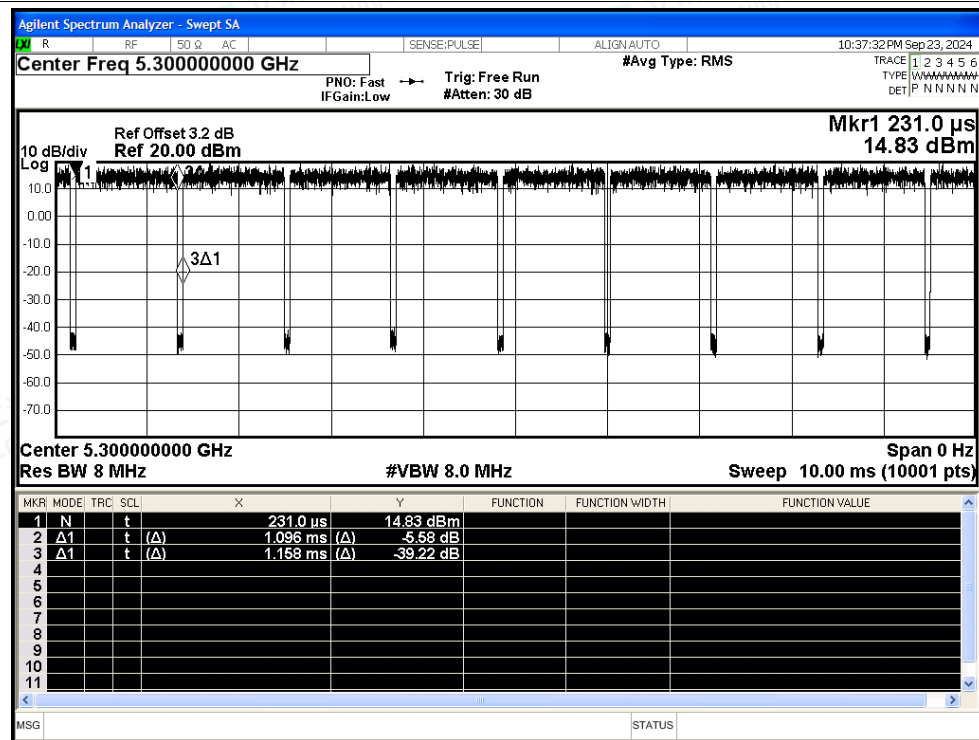


## Test Graphs

## Duty Cycle NVNT a 5260MHz Ant2



## Duty Cycle NVNT a 5300MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

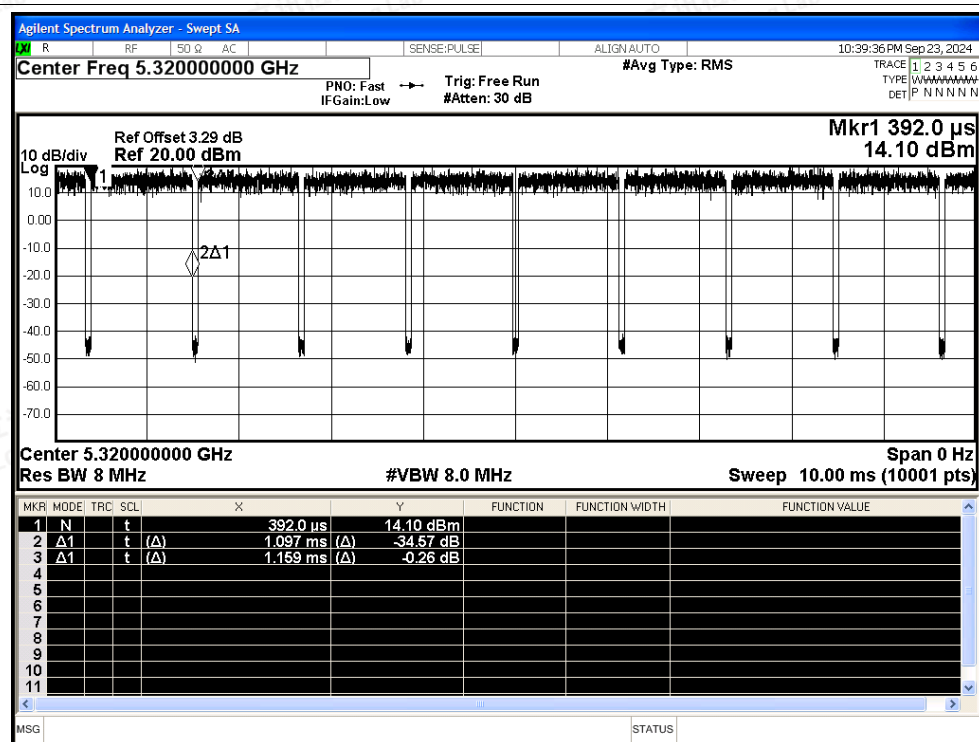
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

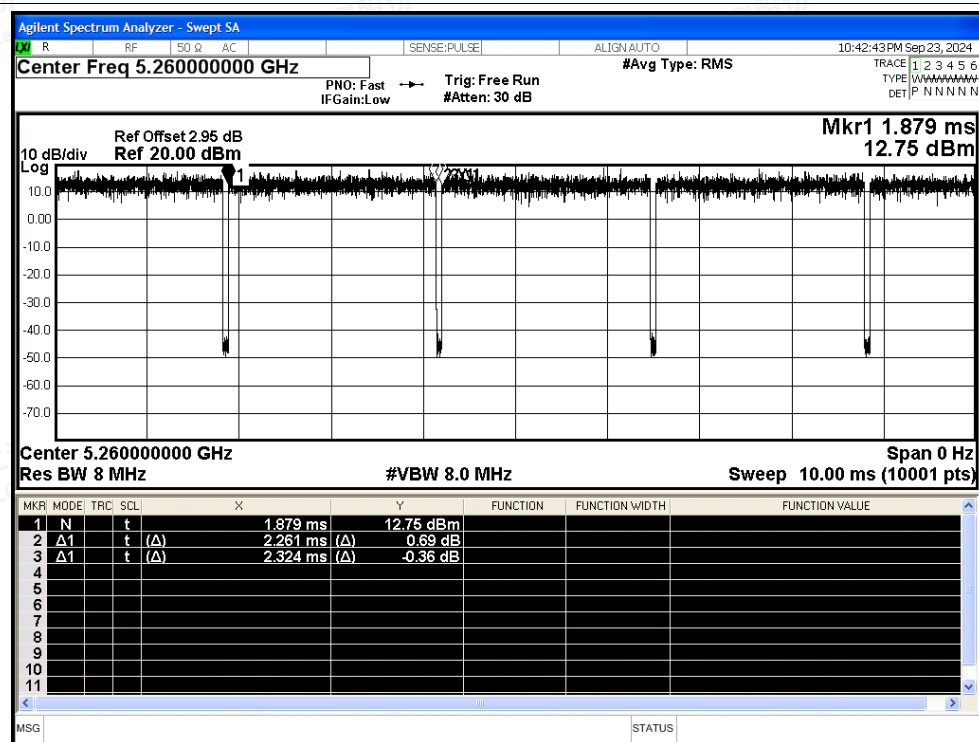
Scan code to check authenticity



## Duty Cycle NVNT a 5320MHz Ant2



## Duty Cycle NVNT n20 5260MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

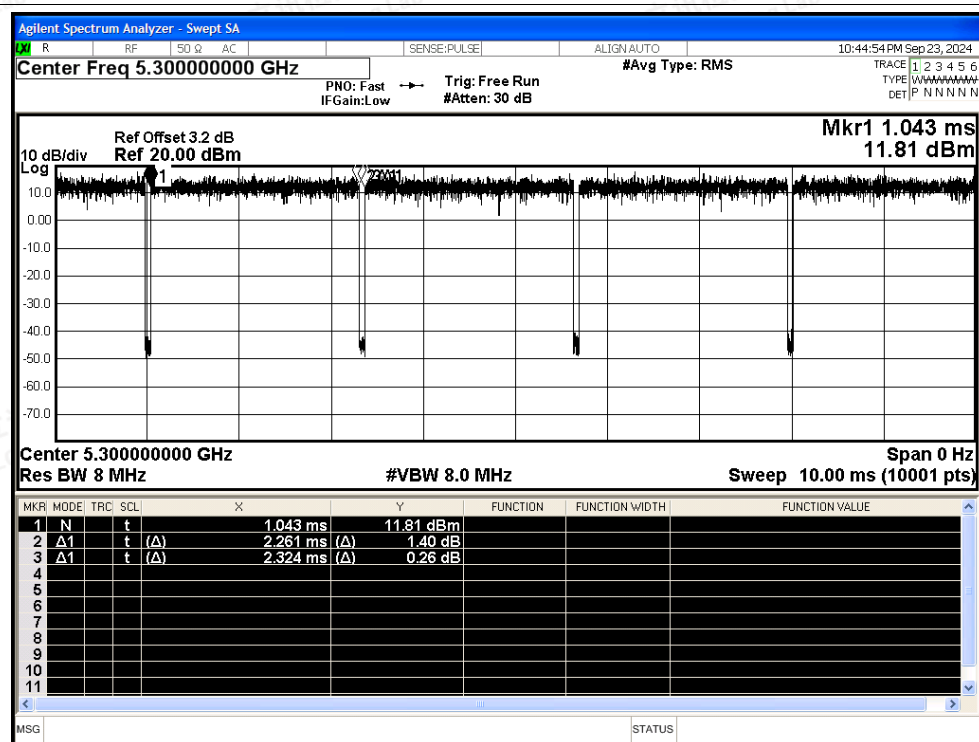
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

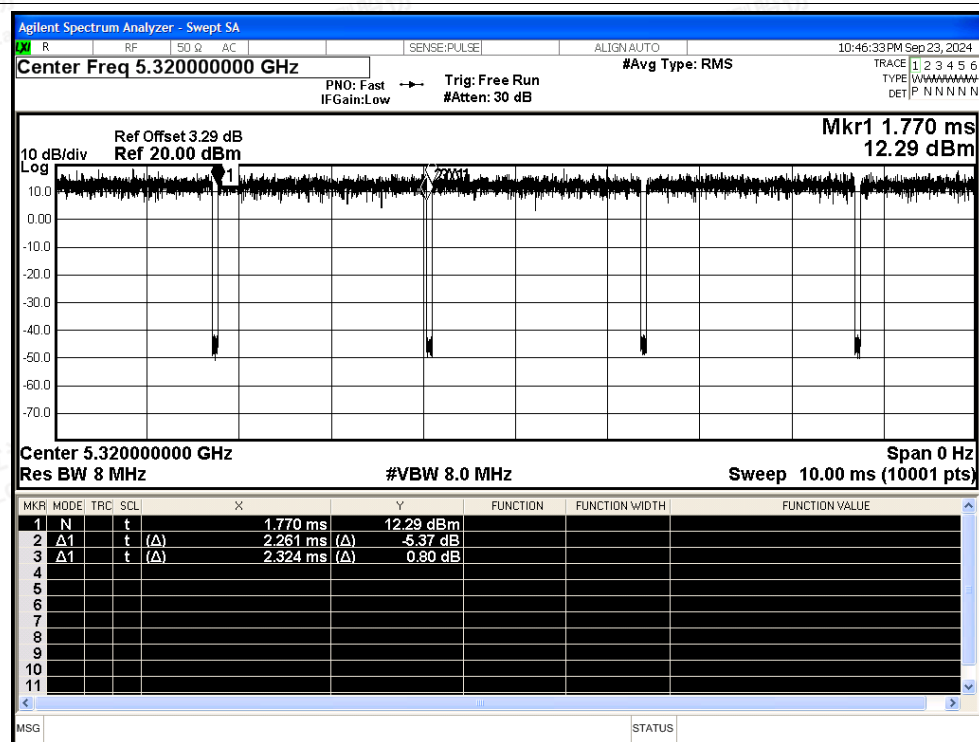
Scan code to check authenticity



## Duty Cycle NVNT n20 5300MHz Ant2

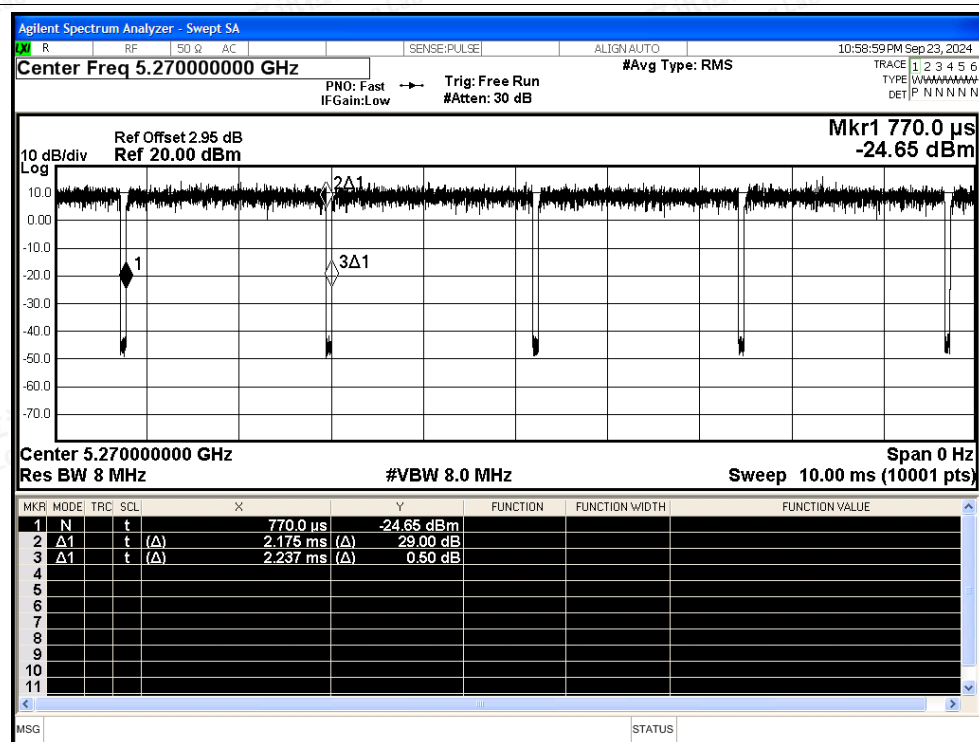


## Duty Cycle NVNT n20 5320MHz Ant2

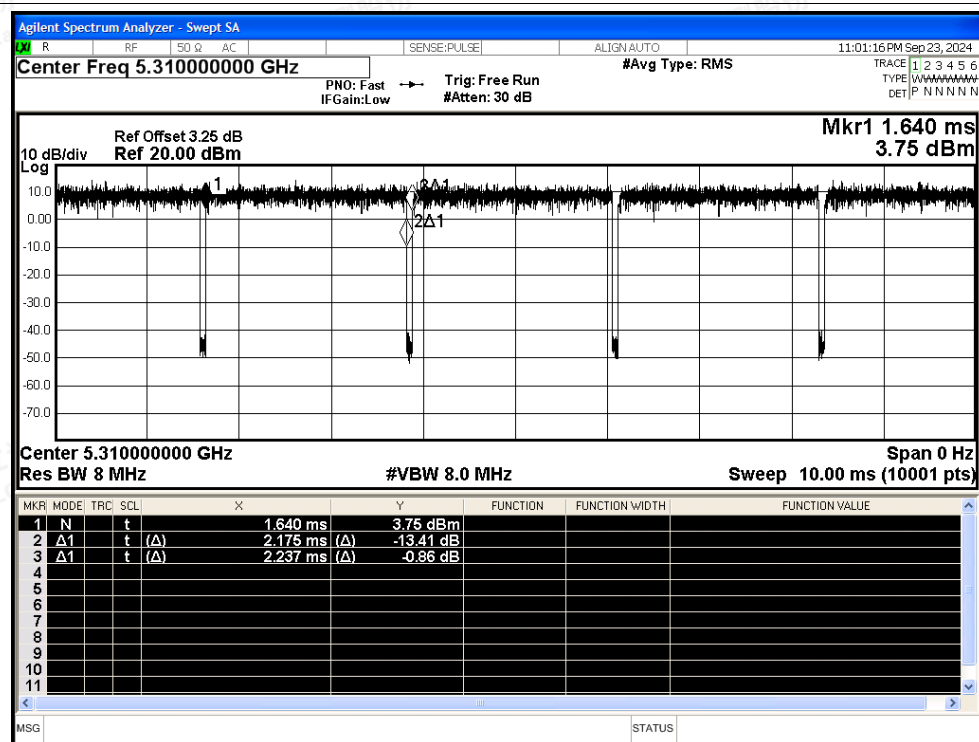




## Duty Cycle NVNT n40 5270MHz Ant2

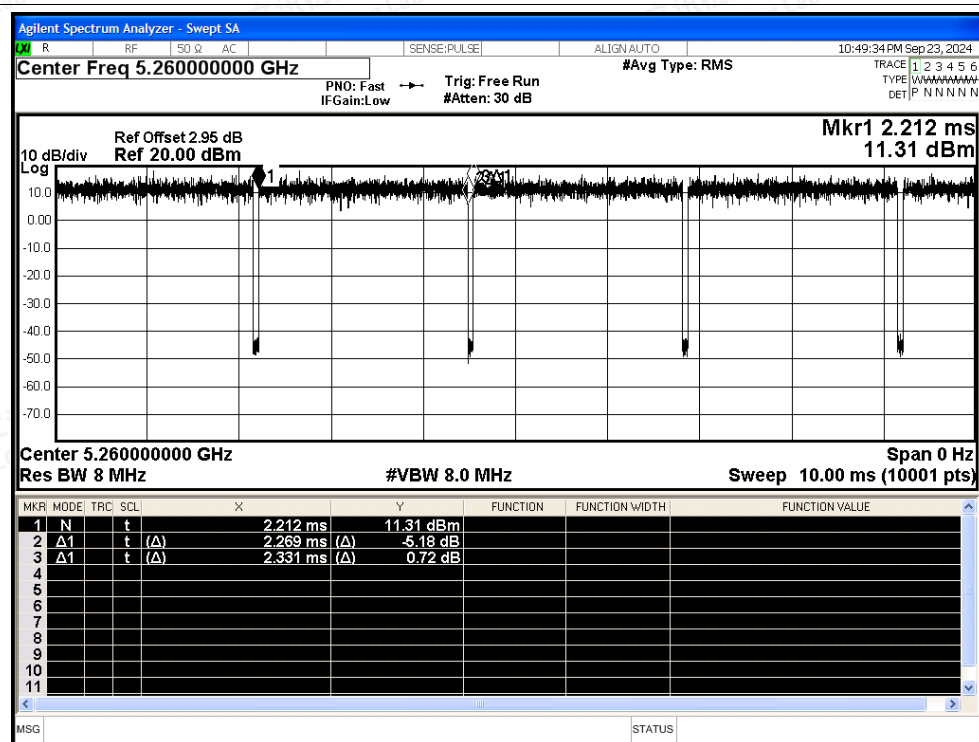


## Duty Cycle NVNT n40 5310MHz Ant2

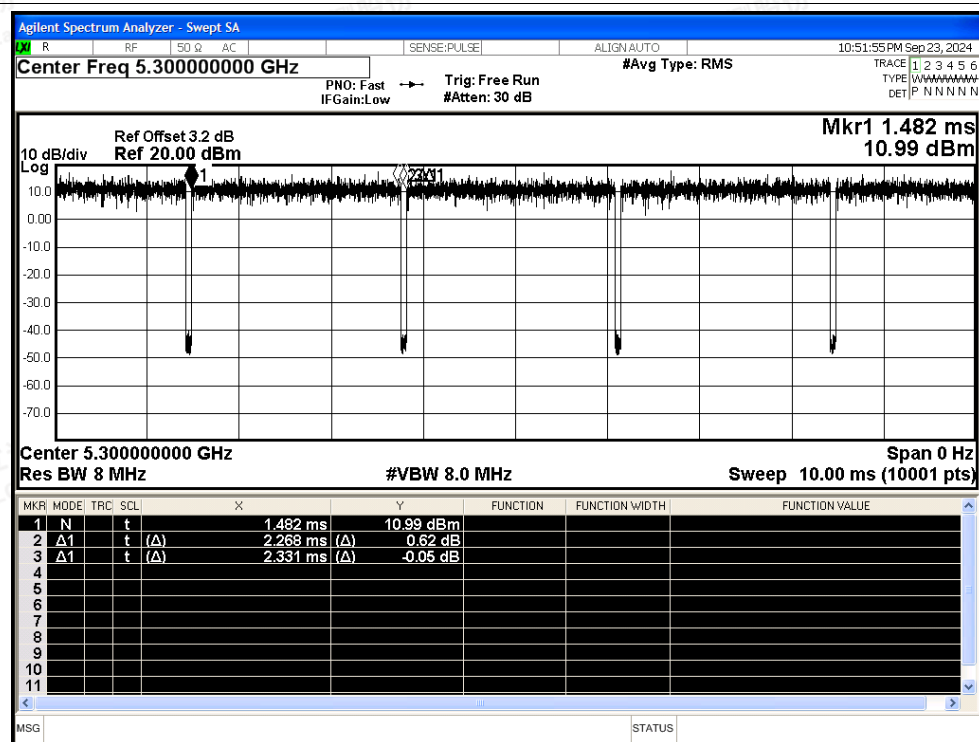




## Duty Cycle NVNT ac20 5260MHz Ant2



## Duty Cycle NVNT ac20 5300MHz Ant2



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

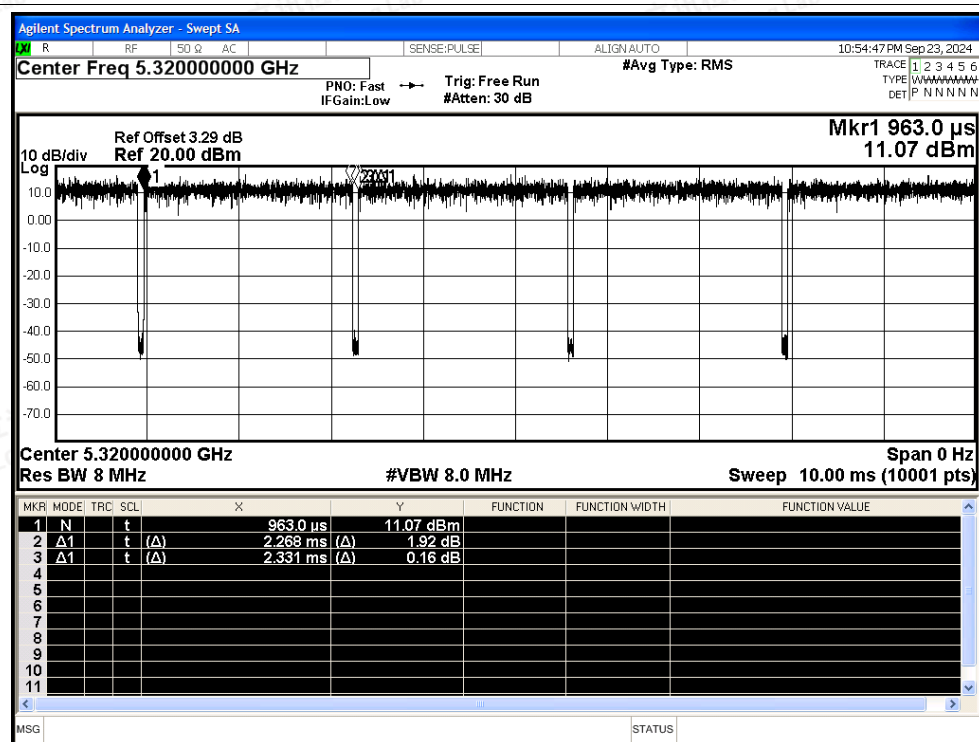
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

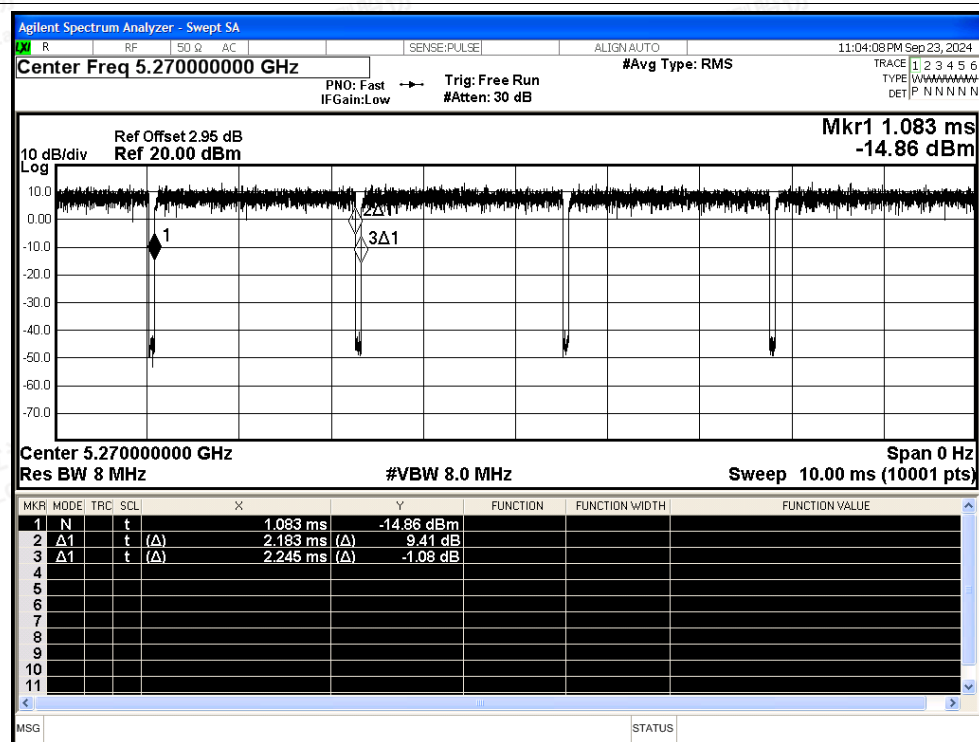




## Duty Cycle NVNT ac20 5320MHz Ant2

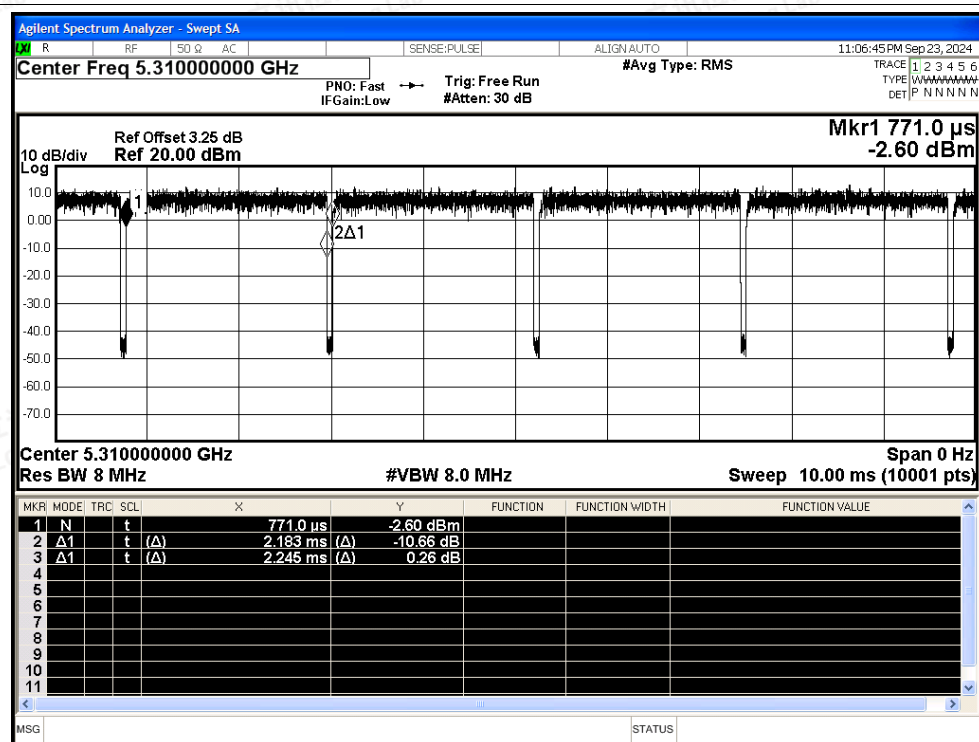


## Duty Cycle NVNT ac40 5270MHz Ant2

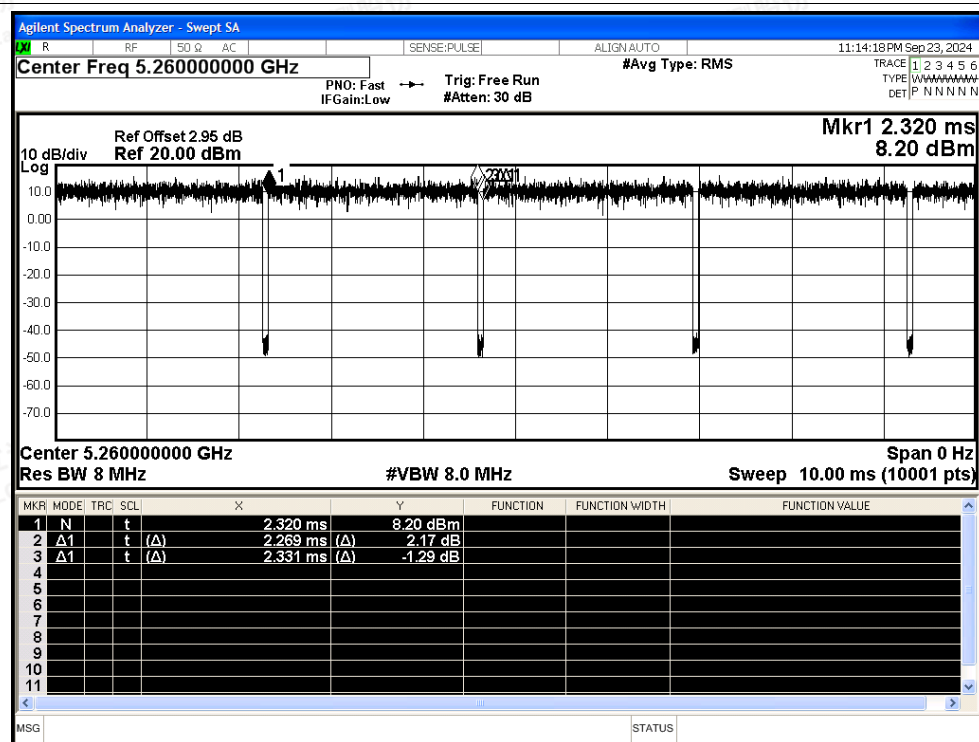




## Duty Cycle NVNT ac40 5310MHz Ant2



## Duty Cycle NVNT ax20 5260MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

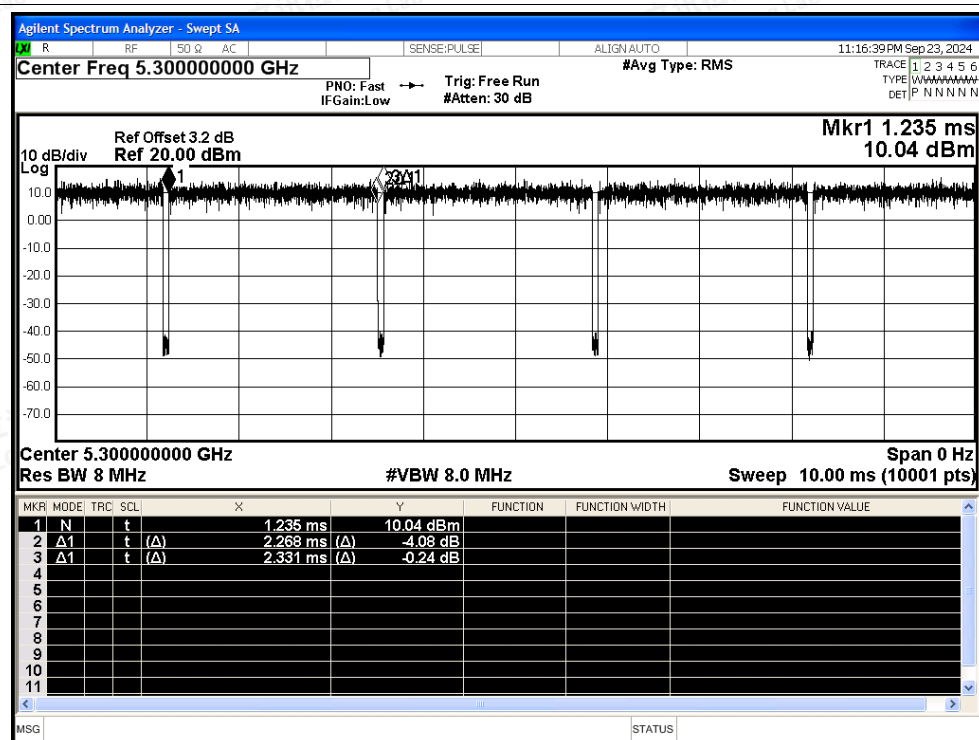
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

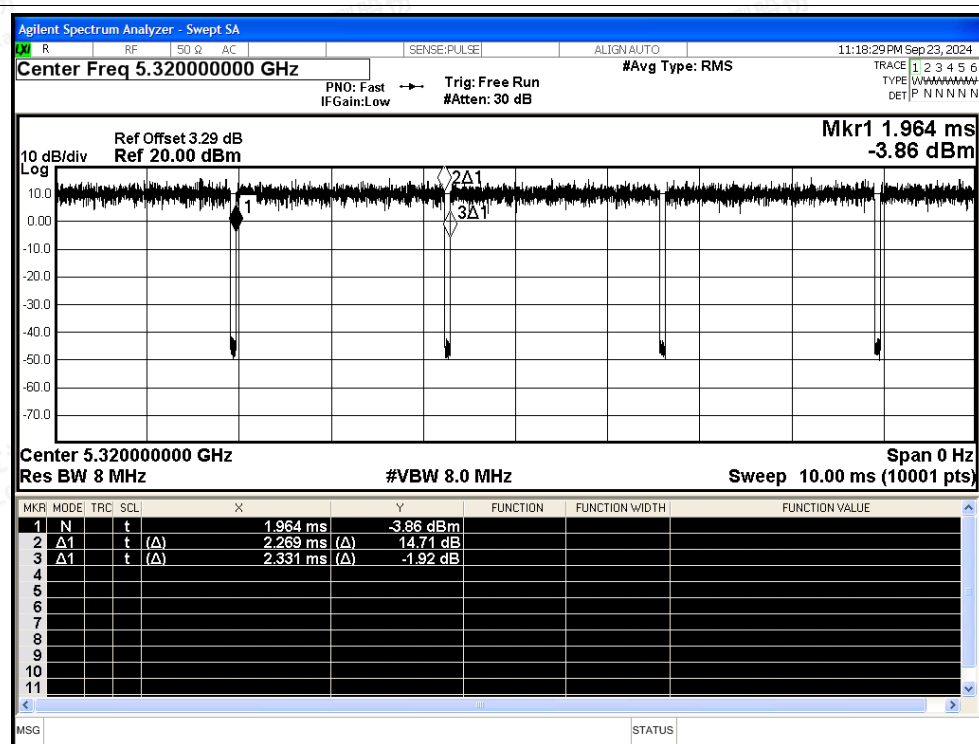
Scan code to check authenticity



## Duty Cycle NVNT ax20 5300MHz Ant2



## Duty Cycle NVNT ax20 5320MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

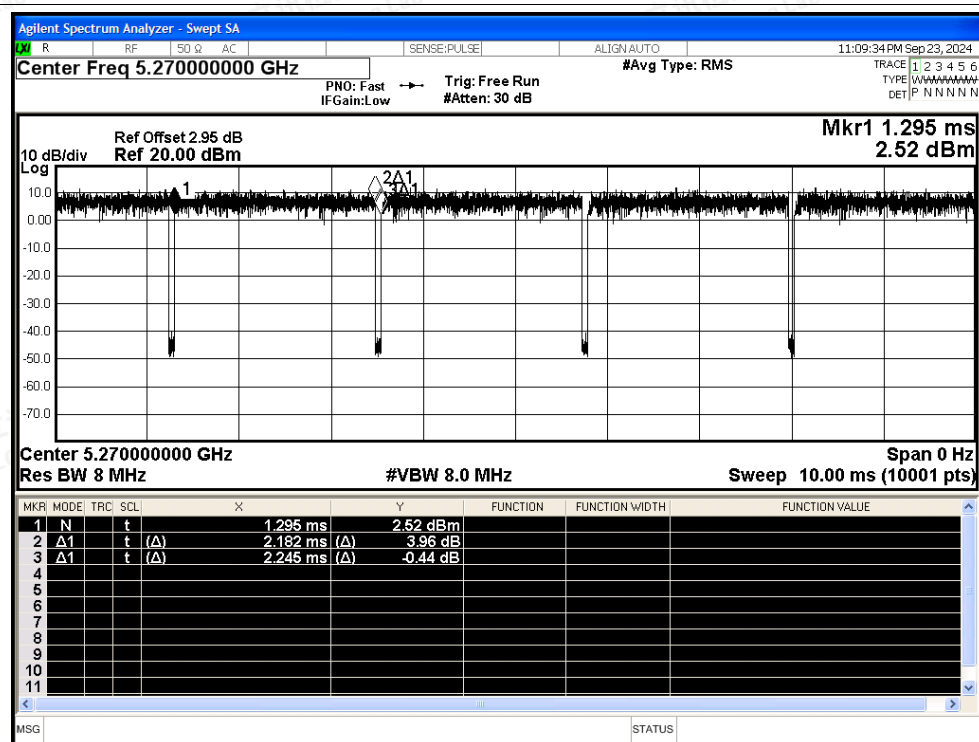
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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## Duty Cycle NVNT ax40 5270MHz Ant2



## Duty Cycle NVNT ax40 5310MHz Ant2

