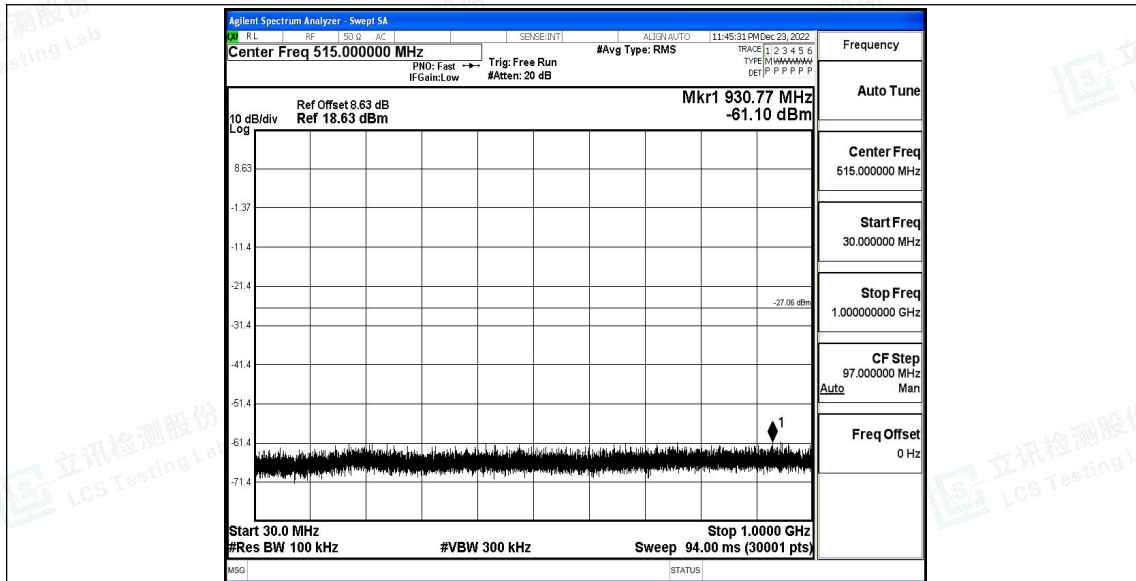
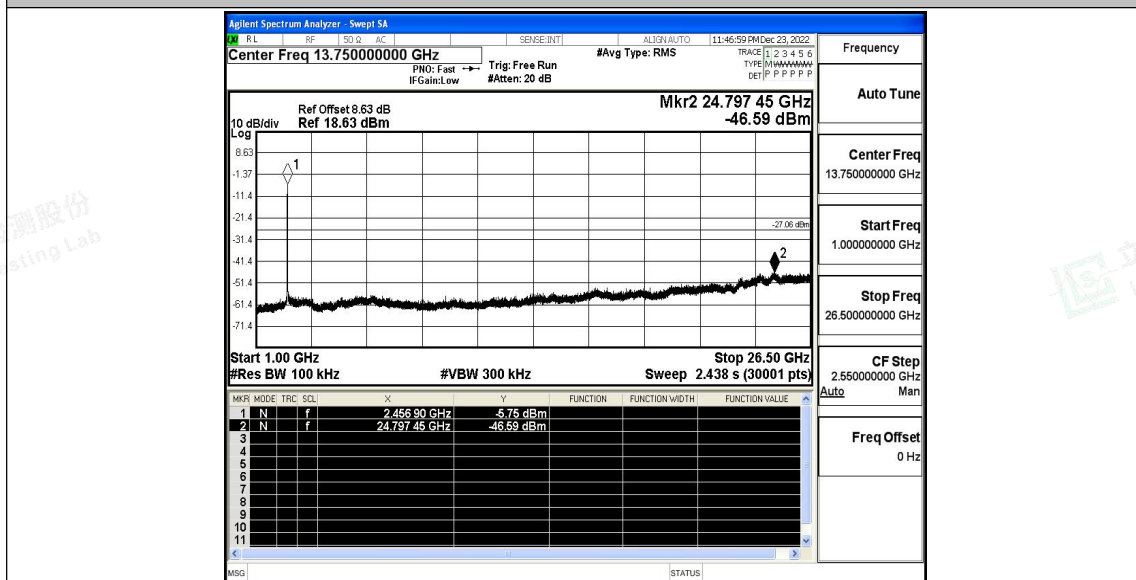




11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference

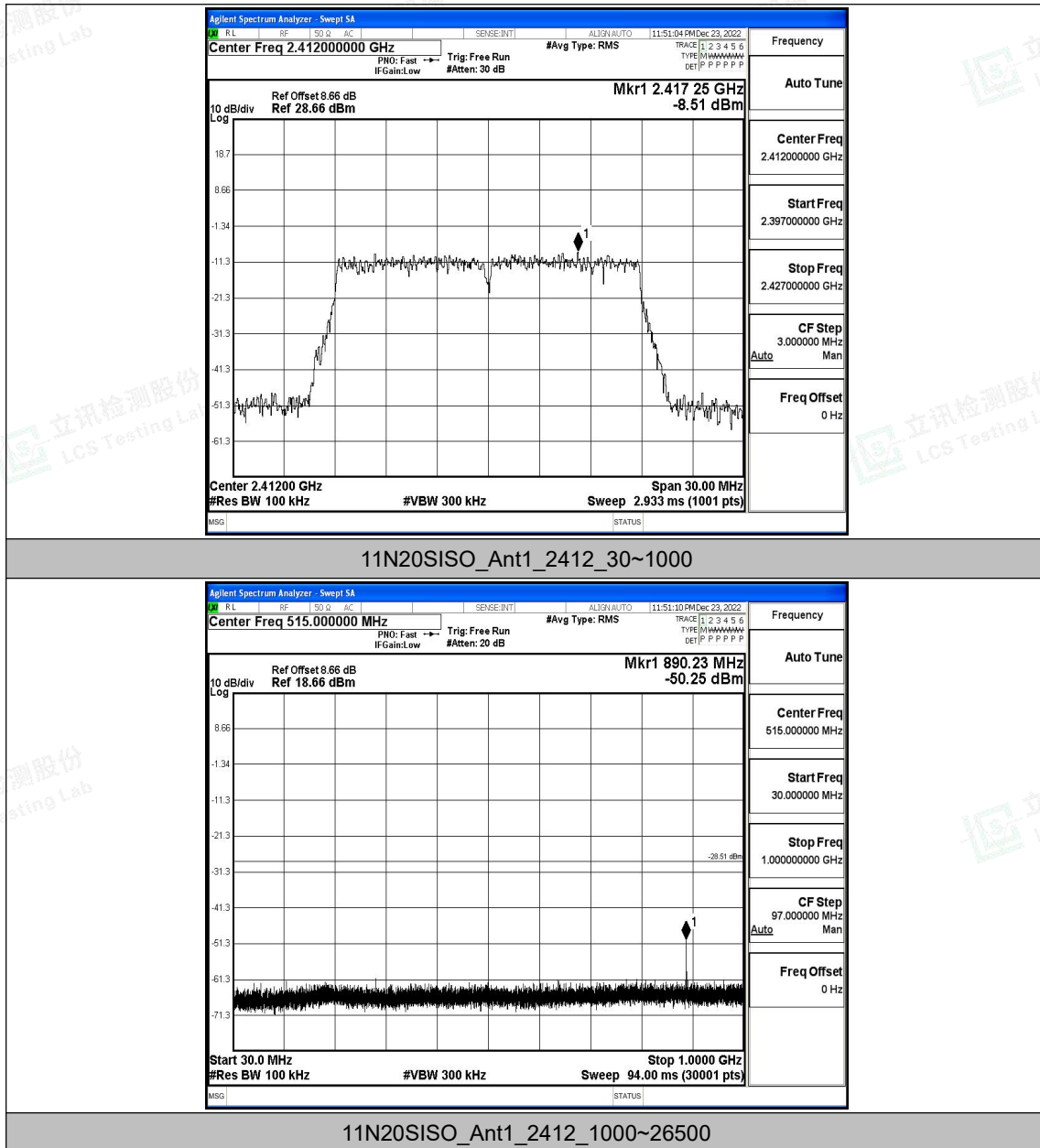


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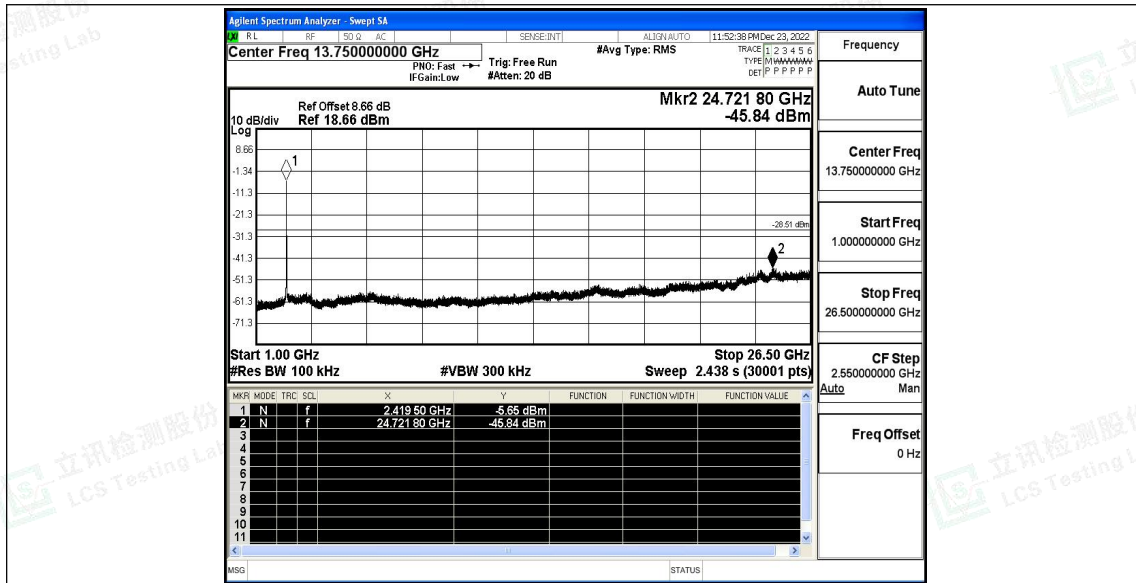


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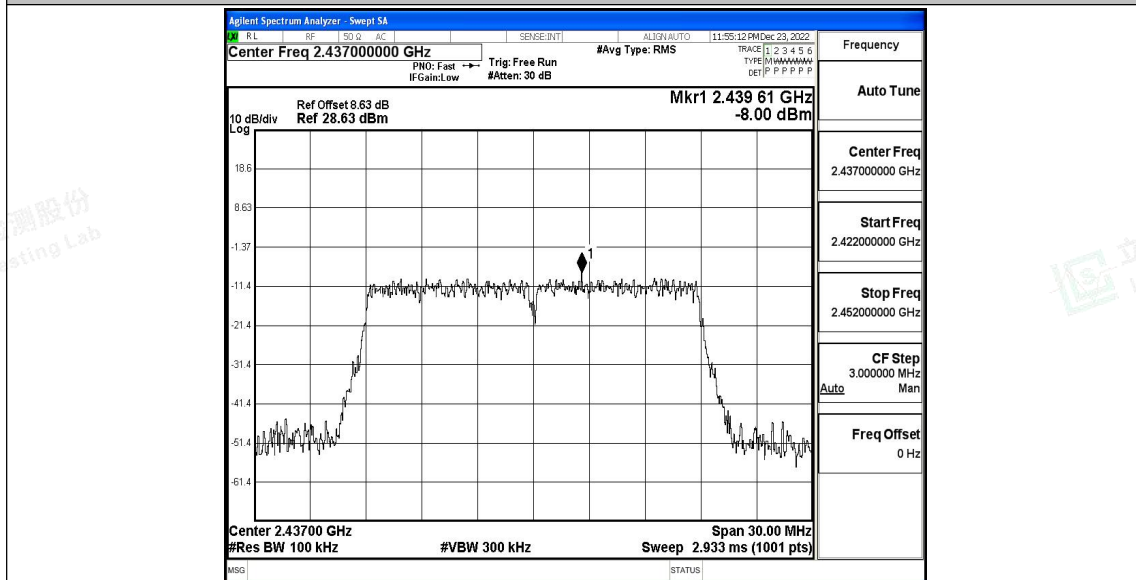
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11N20SISO\_Ant1\_2437\_0~Reference



11N20SISO\_Ant1\_2437\_30~1000

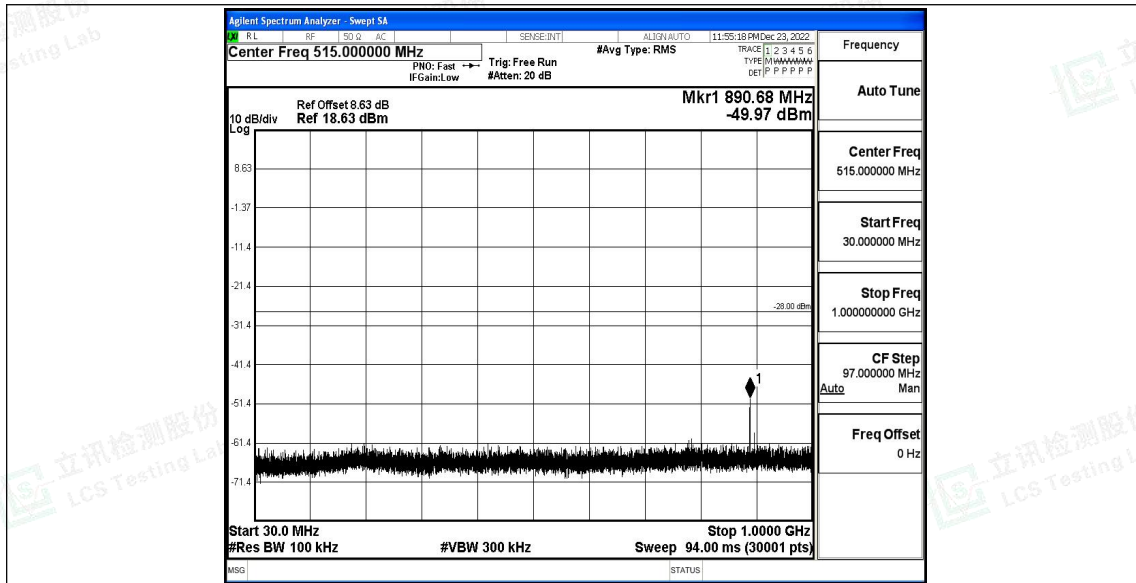


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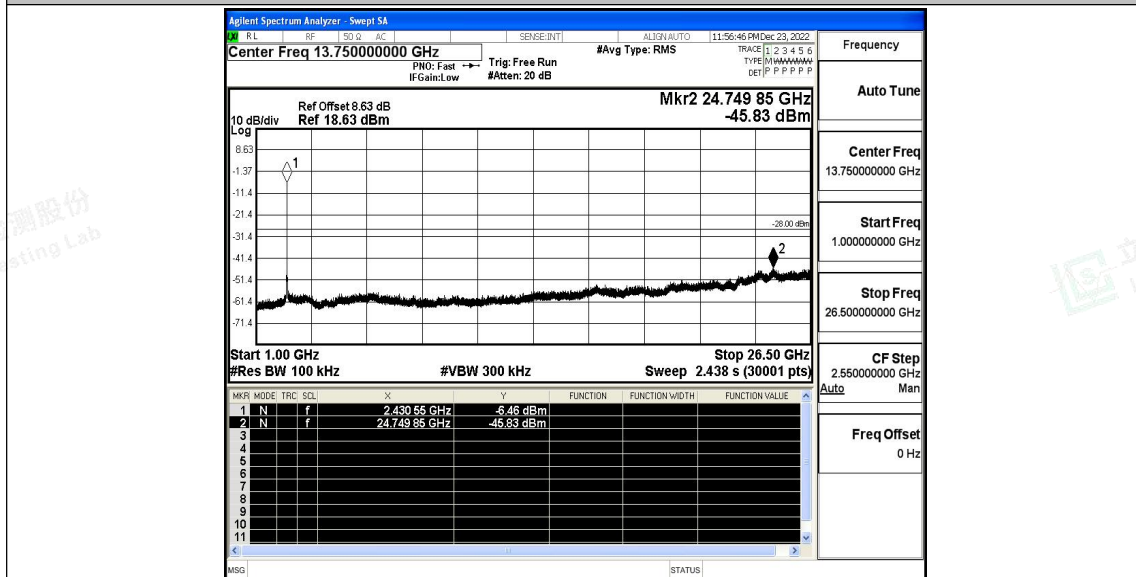
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11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference

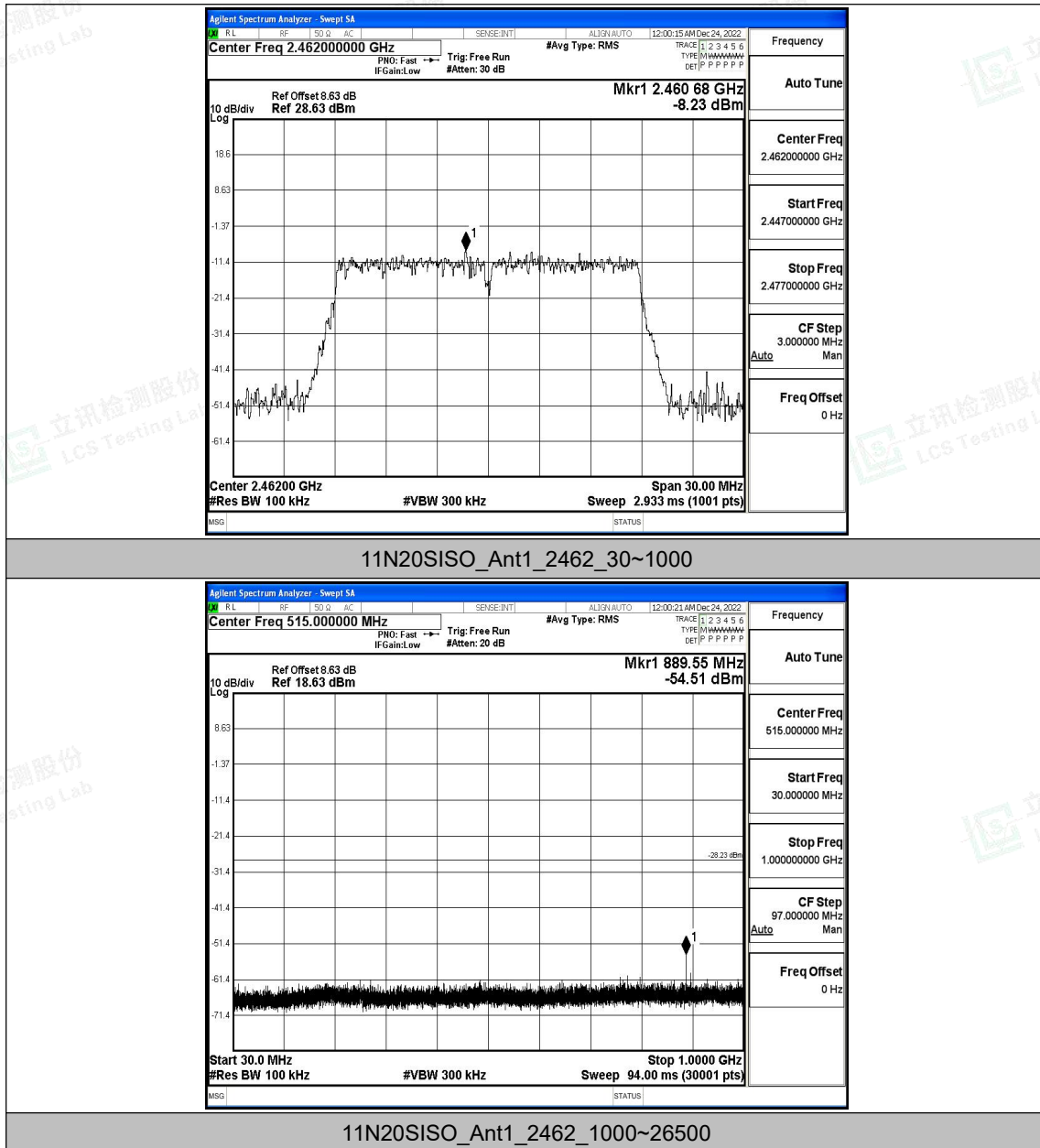


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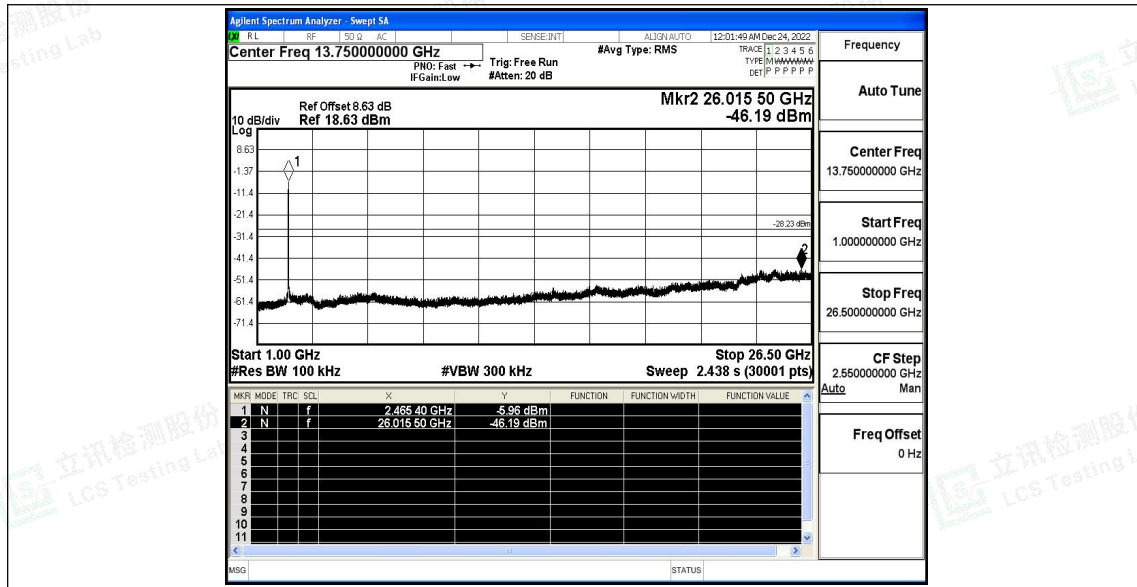


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## A.6 Duty Cycle

### Test Result

| Test Mode | Antenna | Freq<br>(MHz) | Transmissio<br>n Duration<br>[ms] | Transmission<br>Period [ms] | Duty<br>Cycle<br>[%] | Factor | 1/T[kHz] |
|-----------|---------|---------------|-----------------------------------|-----------------------------|----------------------|--------|----------|
| 11B       | Ant1    | 2412          | 8.38                              | 8.41                        | 99.64                | 0.02   | 0.1      |
|           |         | 2437          | 8.39                              | 8.42                        | 99.64                | 0.02   | 0.1      |
|           |         | 2462          | 8.38                              | 8.41                        | 99.64                | 0.02   | 0.1      |
| 11G       | Ant1    | 2412          | 1.39                              | 1.43                        | 97.20                | 0.12   | 0.72     |
|           |         | 2437          | 1.39                              | 1.43                        | 97.20                | 0.12   | 0.72     |
|           |         | 2462          | 1.39                              | 1.43                        | 97.20                | 0.12   | 0.72     |
| 11N20SISO | Ant1    | 2412          | 1.30                              | 1.34                        | 97.01                | 0.13   | 0.77     |
|           |         | 2437          | 1.30                              | 1.33                        | 97.74                | 0.10   | 0.77     |
|           |         | 2462          | 1.30                              | 1.33                        | 97.74                | 0.10   | 0.77     |



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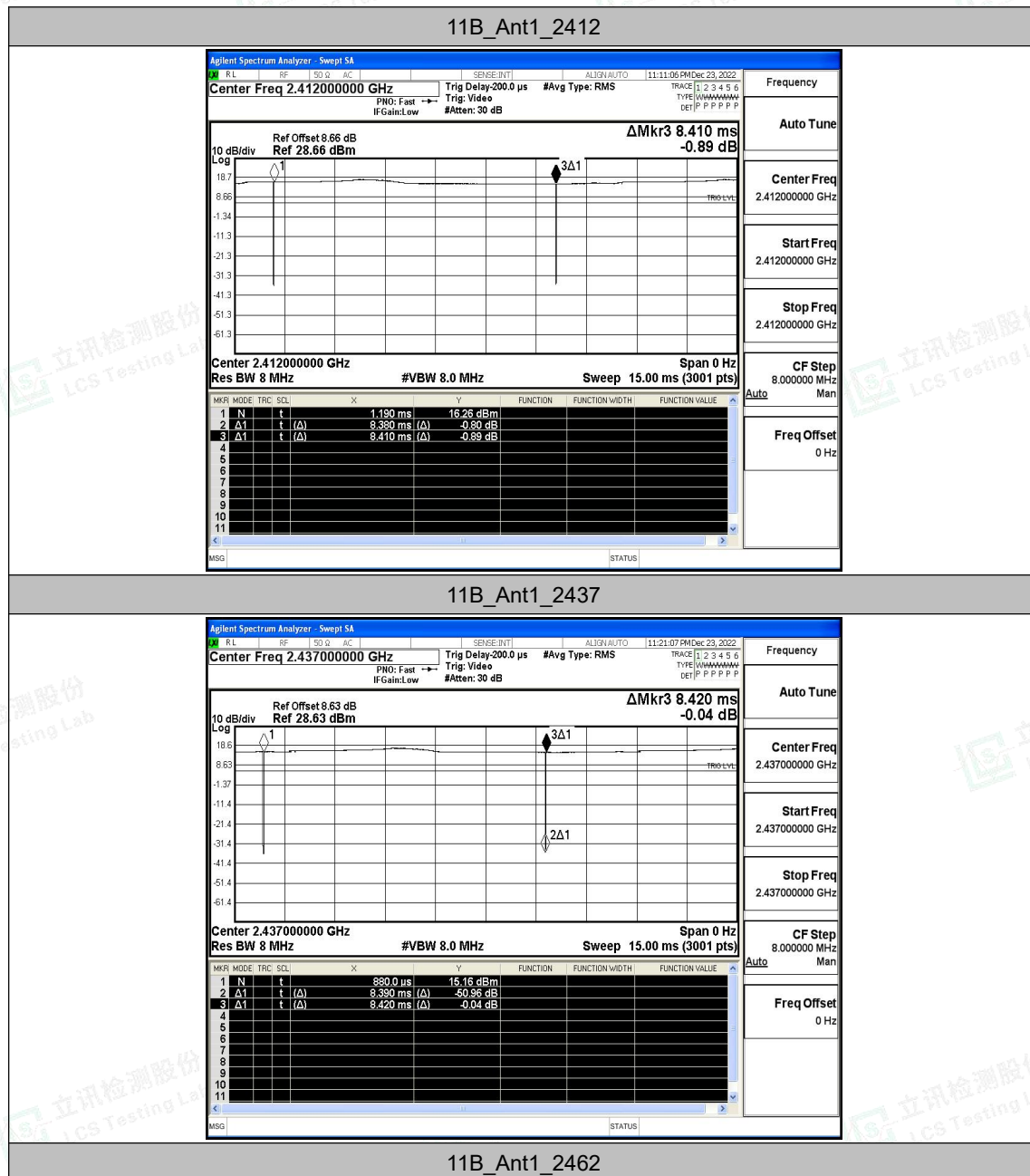
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## Test Graphs

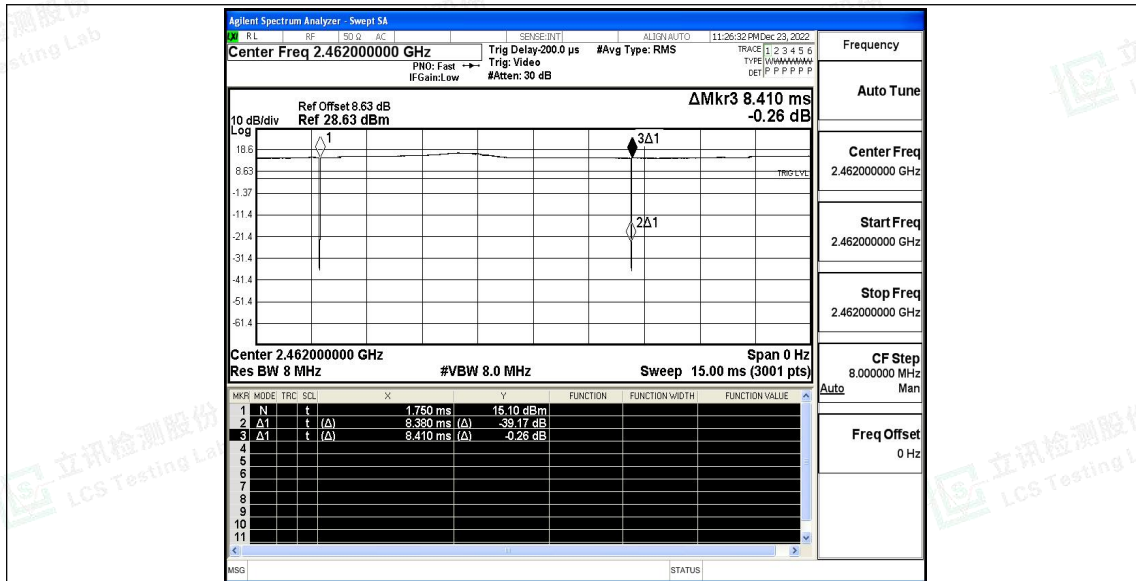


Shenzhen LCS Compliance Testing Laboratory Ltd.

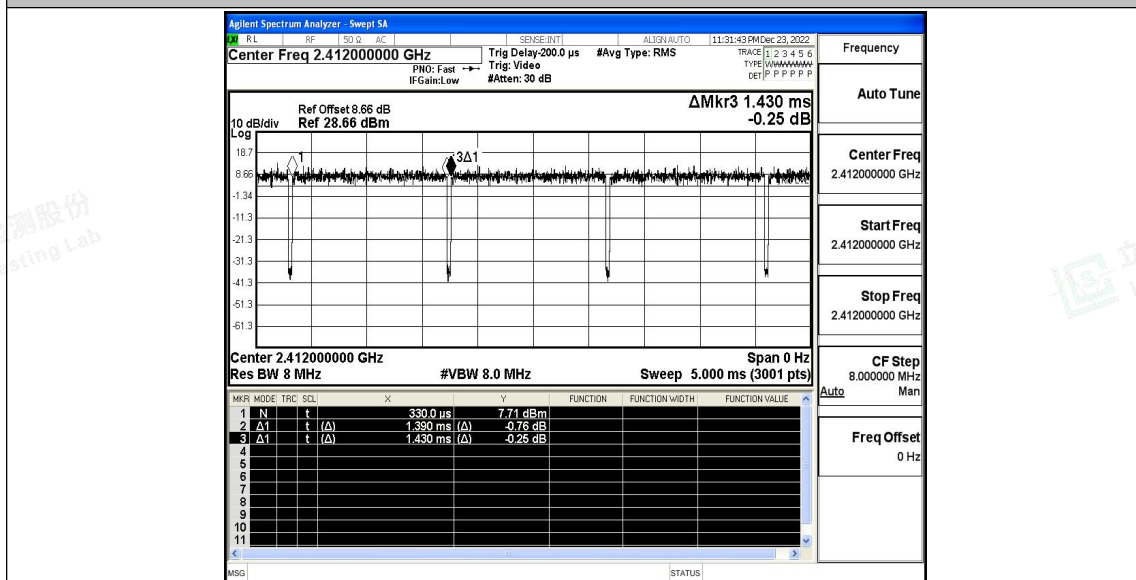
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11G\_Ant1\_2412



11G\_Ant1\_2437

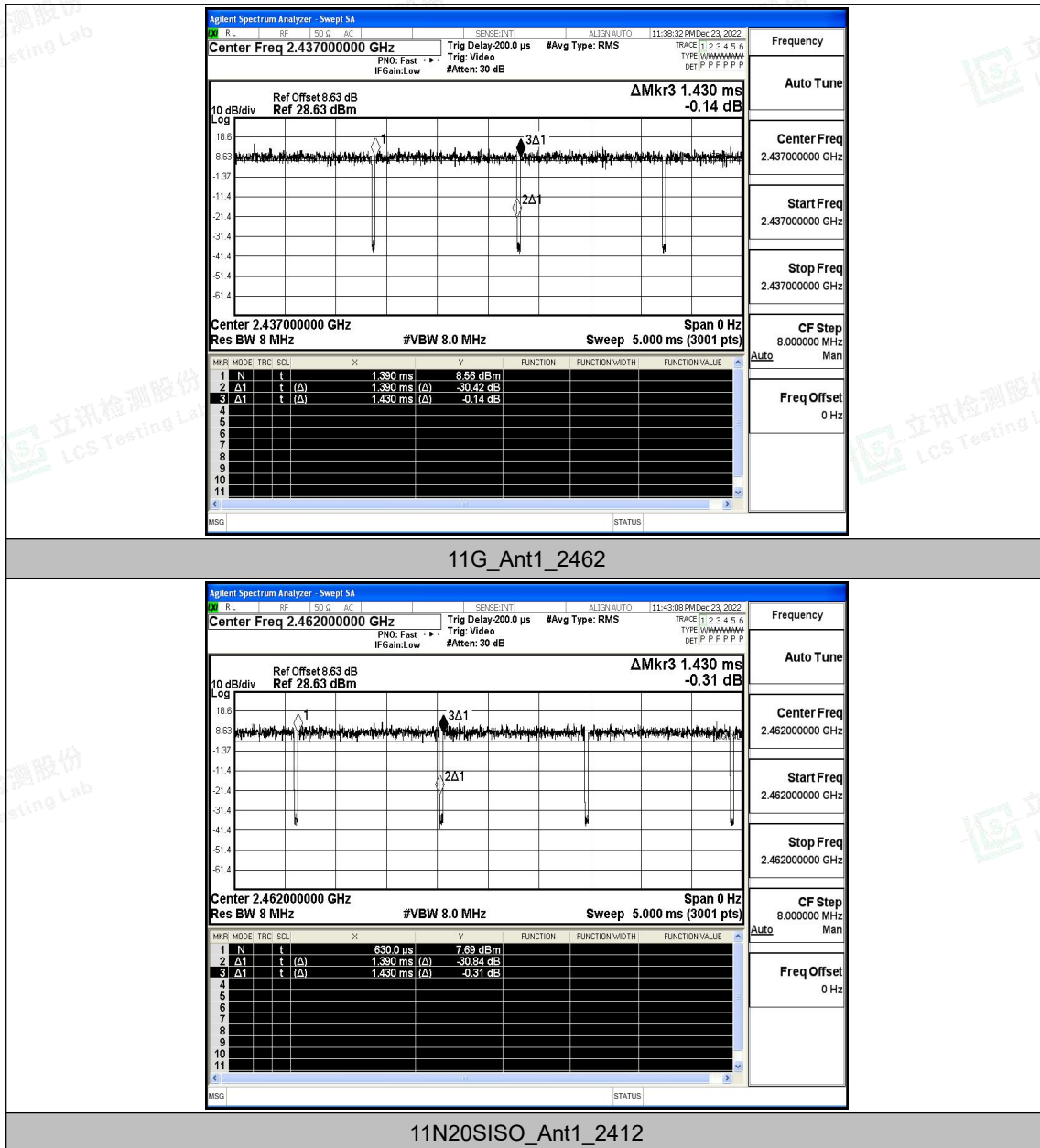


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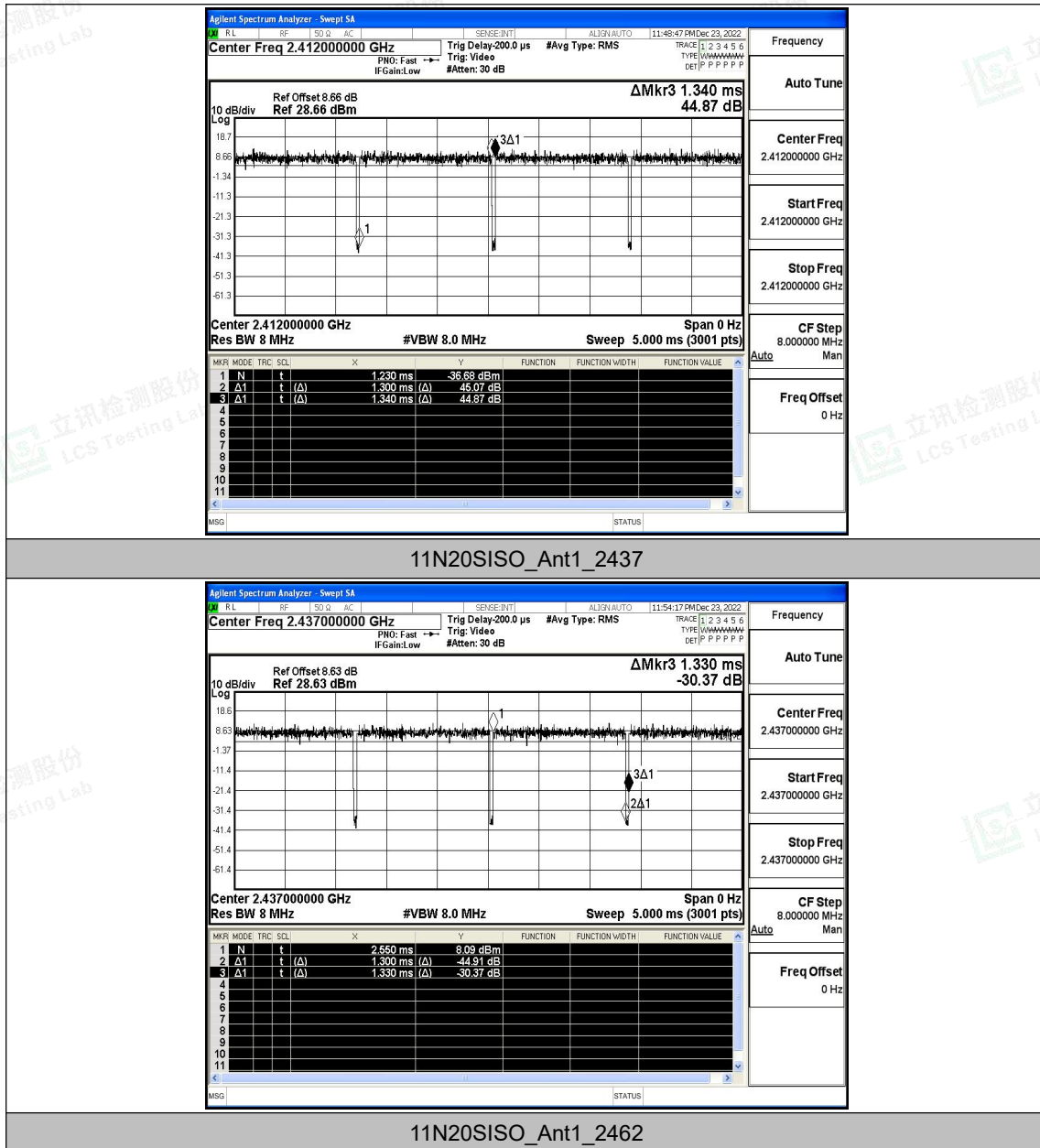


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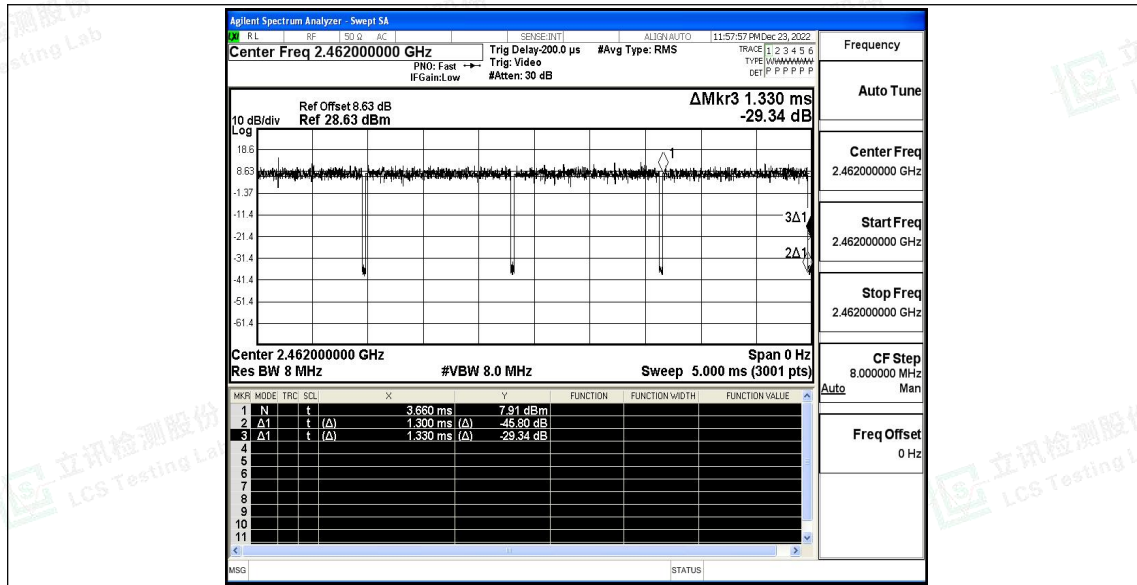


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## A.7 Emissions in Restricted Bands

### Test Result

| TestMode      | Antenna | ChName | Freq(MHz ) | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|---------------|---------|--------|------------|----------|------------|--------------|-------------|-----------------|----------------|---------|
| 11B           | Ant1    | Low    | 2412       | AV       | 2310.000   | -58.57       | ≤-41.20     | 36.63           | ≤54            | PASS    |
|               |         |        |            | AV       | 2389.180   | -54.38       | ≤-41.20     | 40.82           | ≤54            | PASS    |
|               |         |        |            | AV       | 2390.000   | -54.66       | ≤-41.20     | 40.54           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2310.000   | -47.62       | ≤-21.20     | 47.58           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2389.830   | -43.95       | ≤-21.20     | 51.25           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2390.000   | -44.96       | ≤-21.20     | 50.24           | ≤74            | PASS    |
|               |         | High   | 2462       | AV       | 2483.500   | -54.81       | ≤-41.20     | 40.39           | ≤54            | PASS    |
|               |         |        |            | AV       | 2486.860   | -54.83       | ≤-41.20     | 40.37           | ≤54            | PASS    |
|               |         |        |            | AV       | 2500.000   | -56.69       | ≤-41.20     | 38.51           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2483.500   | -45.35       | ≤-21.20     | 49.85           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2487.410   | -44.15       | ≤-21.20     | 51.05           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2500.000   | -45.43       | ≤-21.20     | 49.77           | ≤74            | PASS    |
| 11G           | Ant1    | Low    | 2412       | AV       | 2310.000   | -57.85       | ≤-41.20     | 37.35           | ≤54            | PASS    |
|               |         |        |            | AV       | 2389.700   | -53.42       | ≤-41.20     | 41.78           | ≤54            | PASS    |
|               |         |        |            | AV       | 2390.000   | -53.47       | ≤-41.20     | 41.73           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2310.000   | -47.9        | ≤-21.20     | 47.30           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2389.830   | -39.8        | ≤-21.20     | 55.40           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2390.000   | -40.56       | ≤-21.20     | 54.64           | ≤74            | PASS    |
|               |         | High   | 2462       | AV       | 2483.500   | -51.63       | ≤-41.20     | 43.57           | ≤54            | PASS    |
|               |         |        |            | AV       | 2483.670   | -51.68       | ≤-41.20     | 43.52           | ≤54            | PASS    |
|               |         |        |            | AV       | 2500.000   | -54.24       | ≤-41.20     | 40.96           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2483.500   | -36.37       | ≤-21.20     | 58.83           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2485.210   | -35.75       | ≤-21.20     | 59.45           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2500.000   | -44.29       | ≤-21.20     | 50.91           | ≤74            | PASS    |
| 11N20SIS<br>O | Ant1    | Low    | 2412       | AV       | 2310.000   | -57.98       | ≤-41.20     | 37.22           | ≤54            | PASS    |
|               |         |        |            | AV       | 2389.960   | -51.61       | ≤-41.20     | 43.59           | ≤54            | PASS    |
|               |         |        |            | AV       | 2390.000   | -51.61       | ≤-41.20     | 43.59           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2310.000   | -48.36       | ≤-21.20     | 46.84           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2389.960   | -35.85       | ≤-21.20     | 59.35           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2390.000   | -35.85       | ≤-21.20     | 59.35           | ≤74            | PASS    |
|               |         | High   | 2462       | AV       | 2483.500   | -50.95       | ≤-41.20     | 44.25           | ≤54            | PASS    |
|               |         |        |            | AV       | 2483.670   | -51.03       | ≤-41.20     | 44.17           | ≤54            | PASS    |
|               |         |        |            | AV       | 2500.000   | -54.41       | ≤-41.20     | 40.79           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2483.500   | -34.74       | ≤-21.20     | 60.46           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2483.670   | -32.5        | ≤-21.20     | 62.70           | ≤74            | PASS    |



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|  |  |  |  |      |          |        |         |       |     |      |
|--|--|--|--|------|----------|--------|---------|-------|-----|------|
|  |  |  |  | Peak | 2500.000 | -44.11 | ≤-21.20 | 51.09 | ≤74 | PASS |
|--|--|--|--|------|----------|--------|---------|-------|-----|------|

Note:

- 1. The Antenna Gain is compensated in the graph.
- 2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.





## Test Graphs

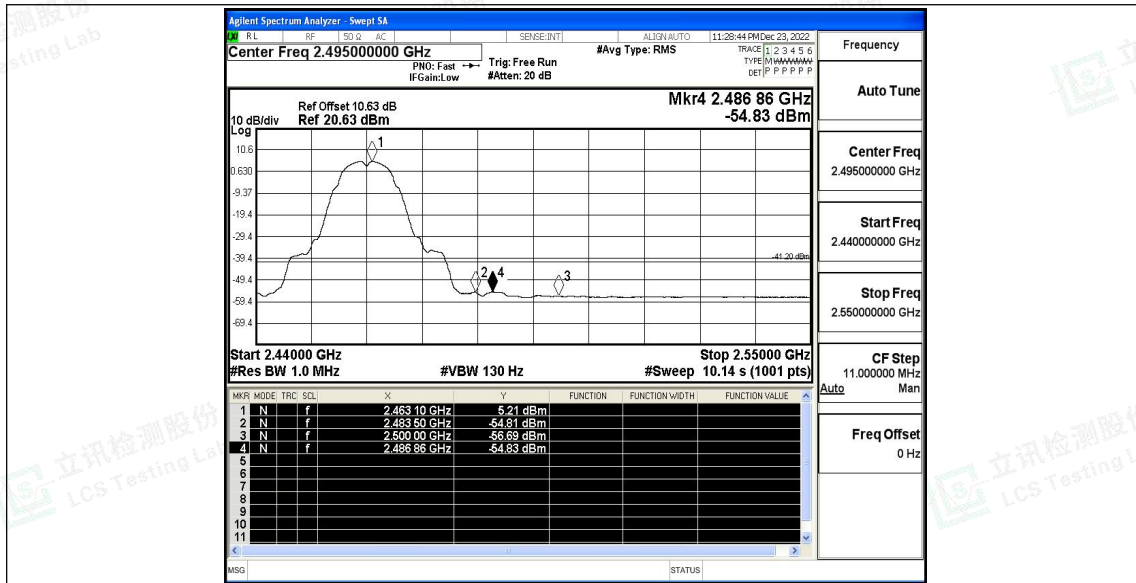


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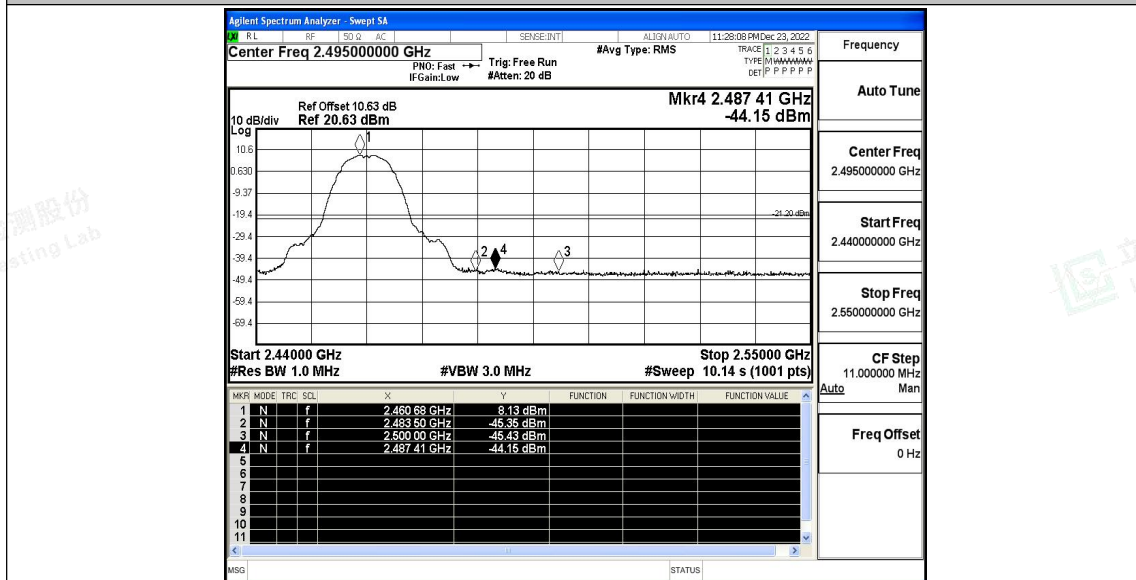
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11B\_Ant1\_High\_2462\_Peak



11G\_Ant1\_Low\_2412\_AV

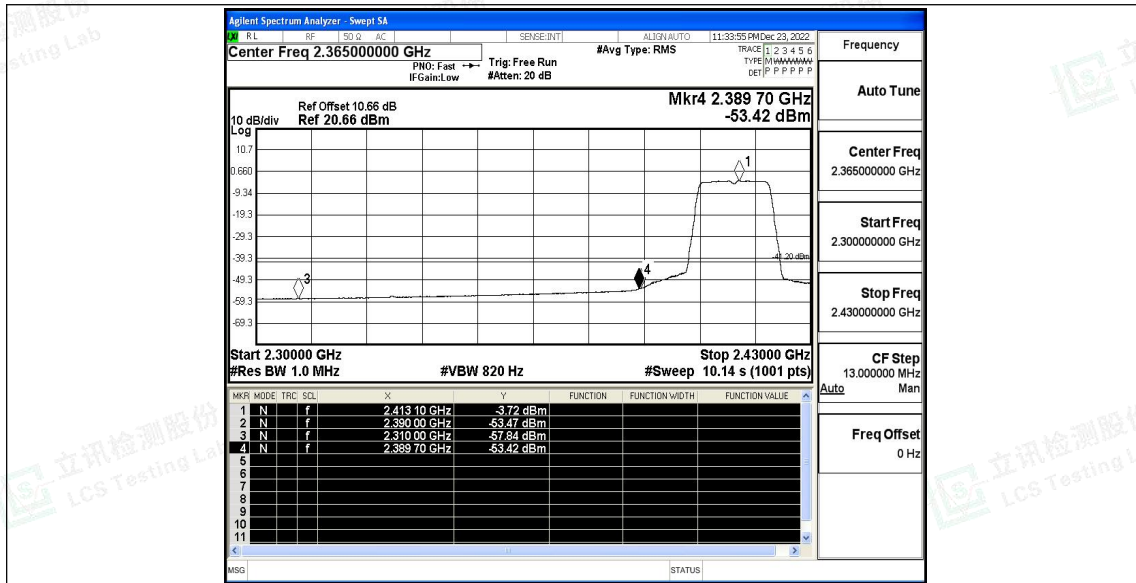


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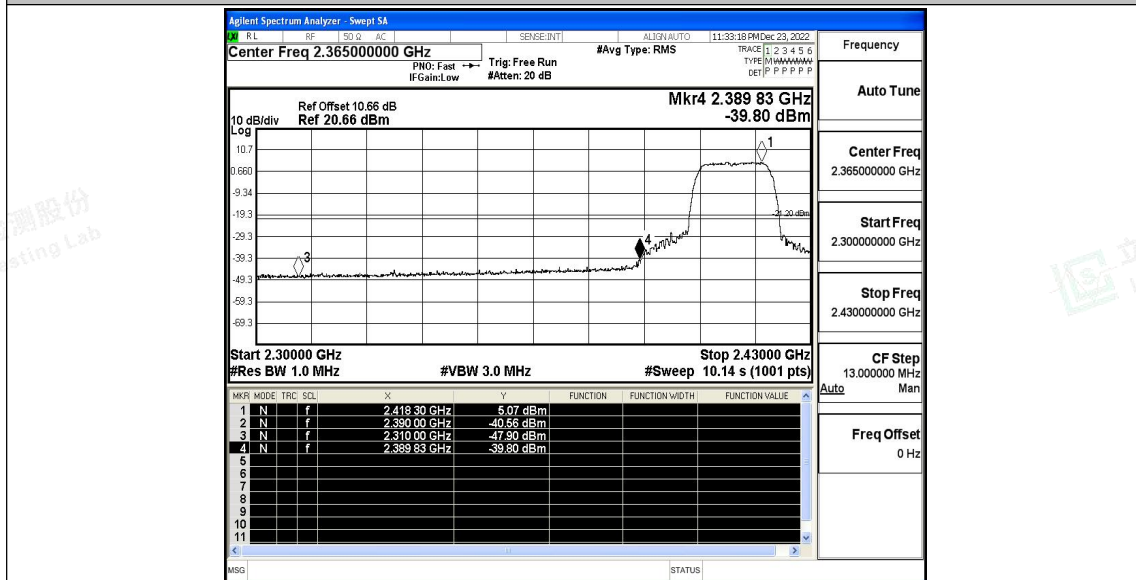
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11G\_Ant1\_Low\_2412\_Peak



11G\_Ant1\_High\_2462\_AV

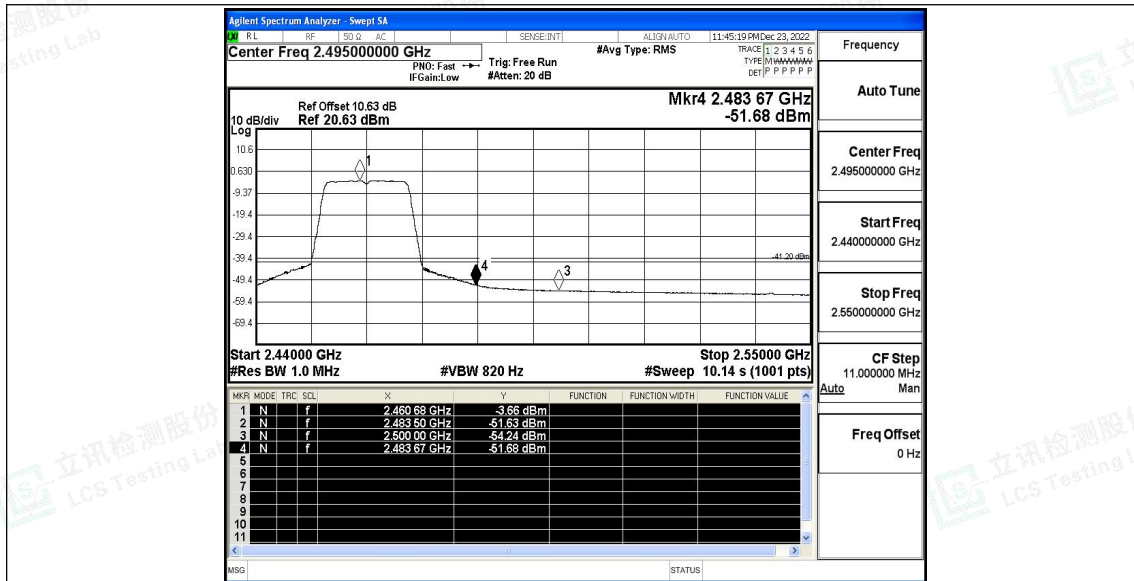


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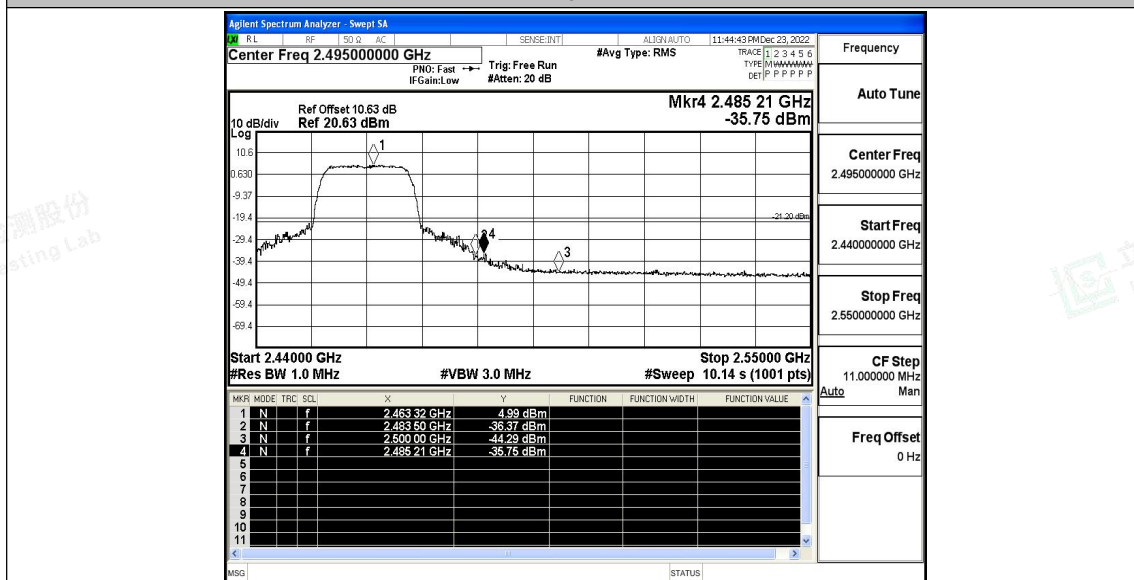
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11G\_Ant1\_High\_2462\_Peak



11N20SISO\_Ant1\_Low\_2412\_AV

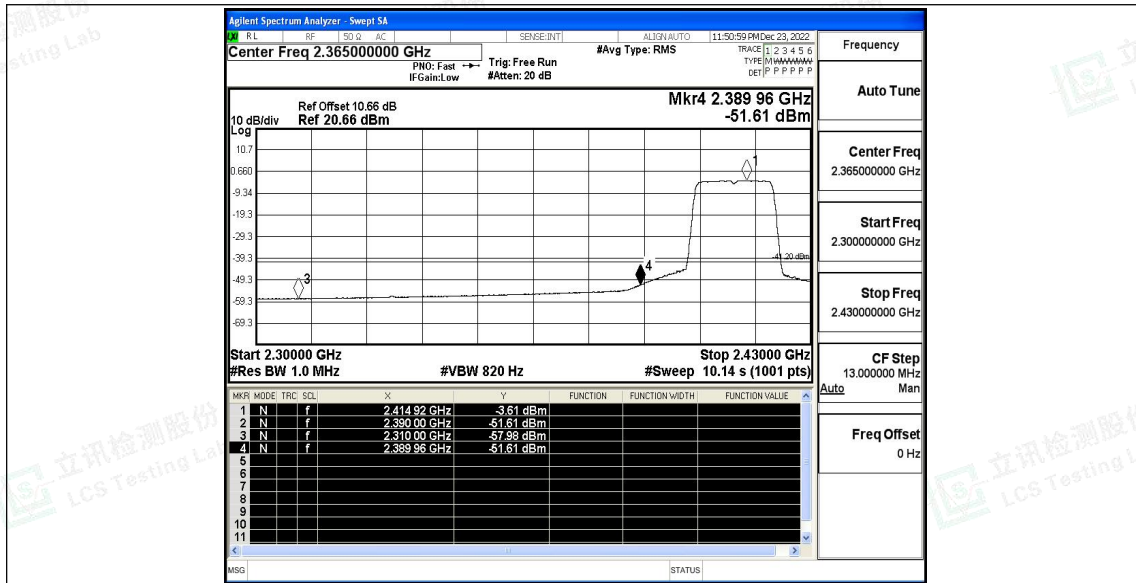


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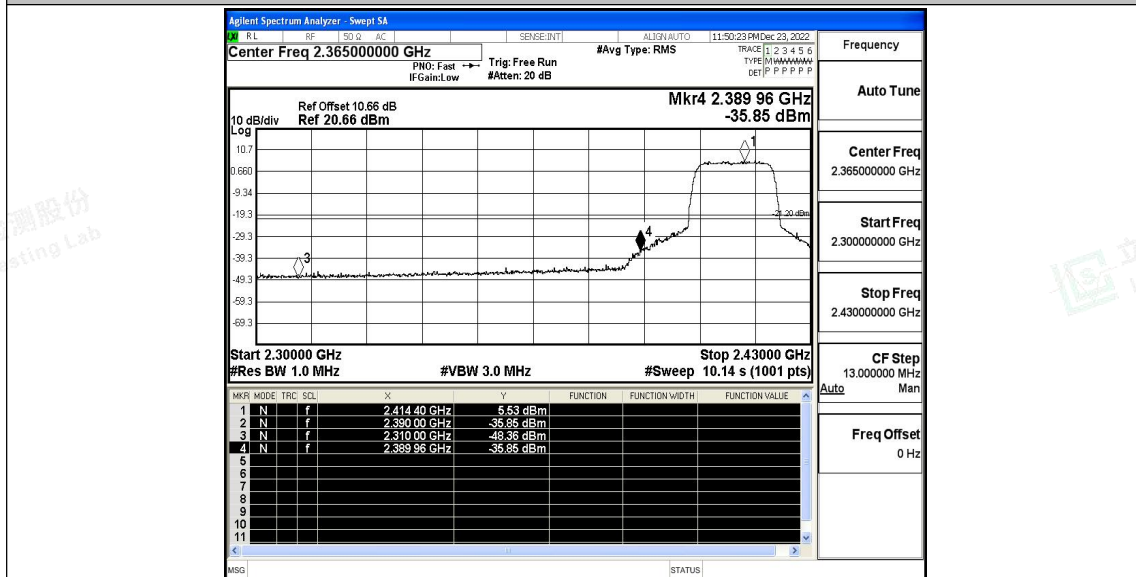
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11N20SISO\_Ant1\_Low\_2412\_Peak



11N20SISO\_Ant1\_High\_2462\_AV

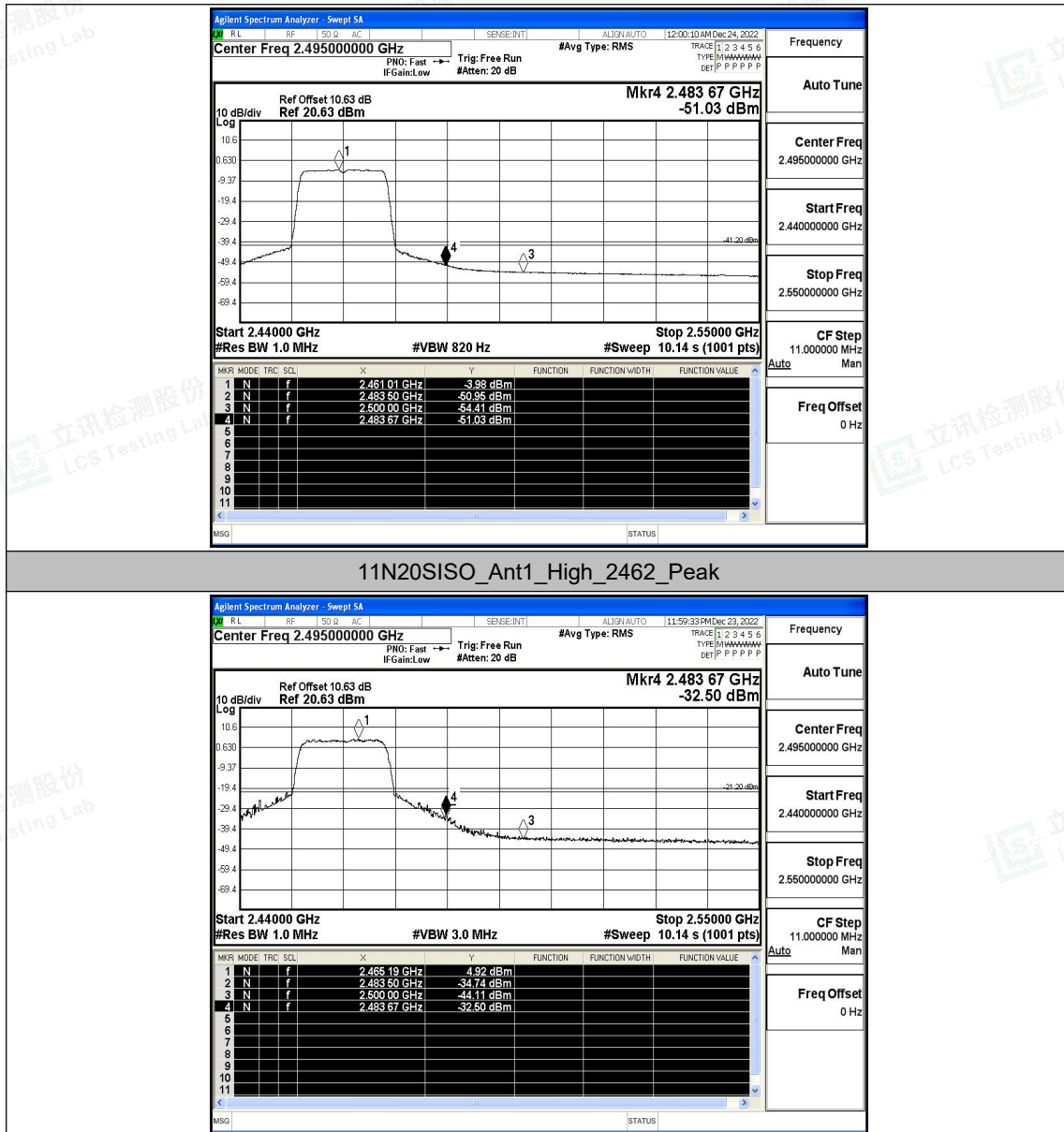


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