



## Appendix B

### RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: 7.5 inch Wi-Fi/BLE smart ceiling light

Test Model: LMFFM714SMWH

#### Environmental Conditions

|                    |            |
|--------------------|------------|
| Temperature:       | 23.1° C    |
| Relative Humidity: | 52.3%      |
| ATM Pressure:      | 100.0 kPa  |
| Test Engineer:     | Paddi Chen |
| Supervised by:     | Nick Peng  |





## B.1 -6dB Bandwidth

### Test Result

| TestMode  | Antenna | Freq(MHz) | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|-----------|--------------|----------|----------|------------|---------|
| 11B       | Ant     | 2412      | 9.040        | 2407.480 | 2416.520 | 0.5        | PASS    |
|           |         | 2437      | 9.040        | 2432.480 | 2441.520 | 0.5        | PASS    |
|           |         | 2462      | 9.040        | 2457.480 | 2466.520 | 0.5        | PASS    |
| 11G       | Ant     | 2412      | 16.320       | 2403.840 | 2420.160 | 0.5        | PASS    |
|           |         | 2437      | 16.320       | 2428.840 | 2445.160 | 0.5        | PASS    |
|           |         | 2462      | 16.360       | 2453.800 | 2470.160 | 0.5        | PASS    |
| 11N20SISO | Ant     | 2412      | 17.600       | 2403.200 | 2420.800 | 0.5        | PASS    |
|           |         | 2437      | 17.560       | 2428.200 | 2445.760 | 0.5        | PASS    |
|           |         | 2462      | 17.600       | 2453.200 | 2470.800 | 0.5        | PASS    |
| 11N40SISO | Ant     | 2422      | 35.600       | 2404.240 | 2439.840 | 0.5        | PASS    |
|           |         | 2437      | 36.080       | 2419.080 | 2455.160 | 0.5        | PASS    |
|           |         | 2452      | 36.080       | 2434.080 | 2470.160 | 0.5        | PASS    |



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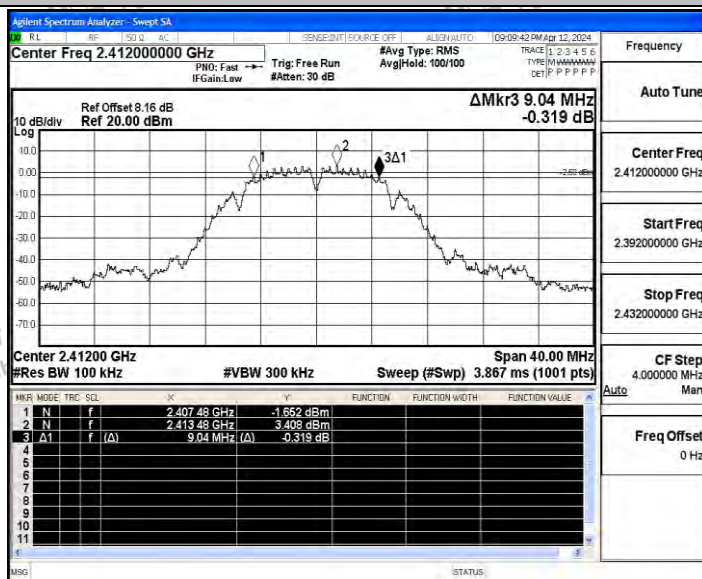
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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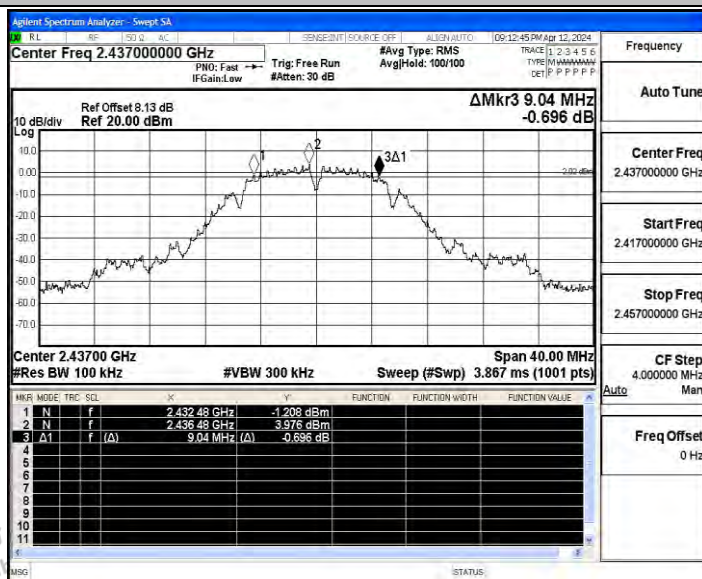


## Test Graphs

11B\_Ant\_2412



11B\_Ant\_2437



11B\_Ant\_2462

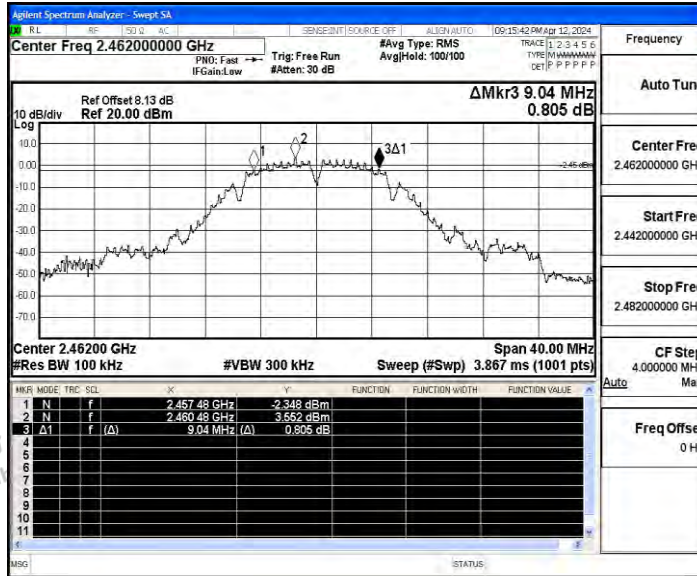


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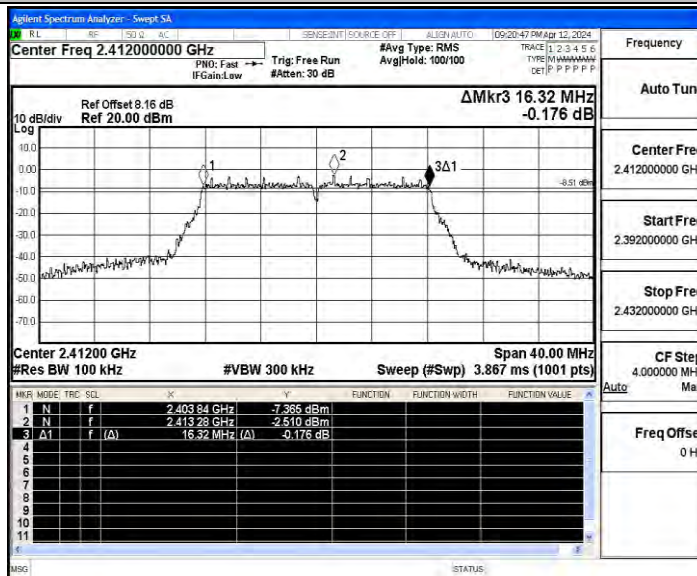
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11G\_Ant\_2412



11G\_Ant\_2437

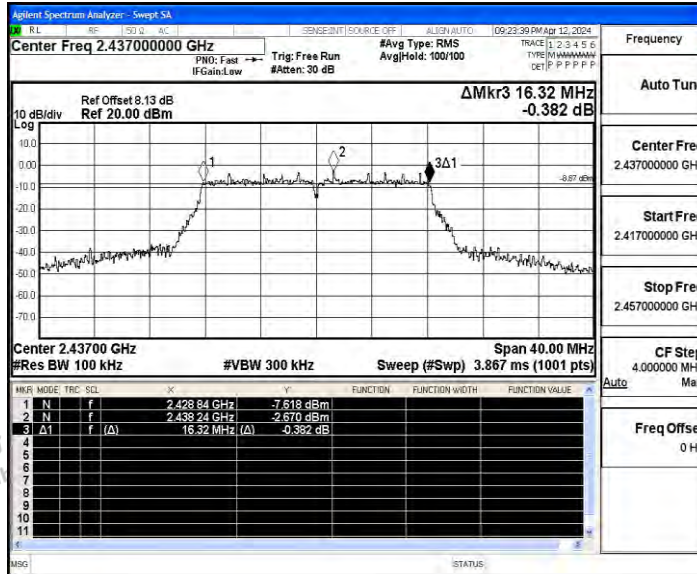


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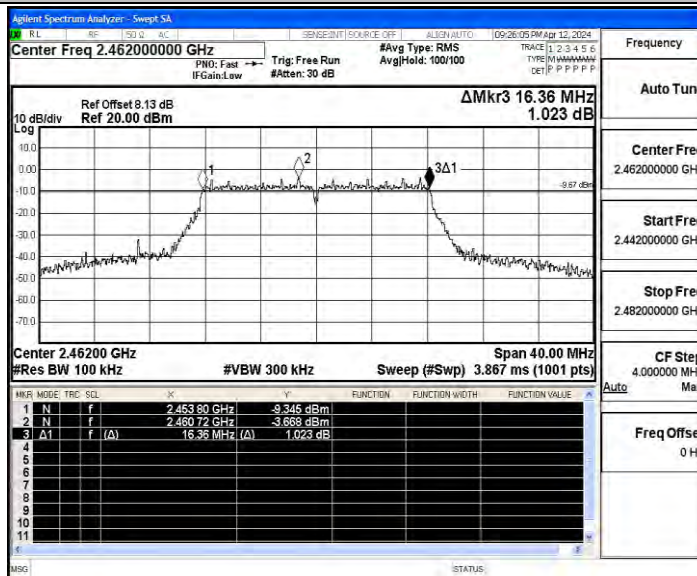
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11G\_Ant\_2462



11N20SISO\_Ant\_2412

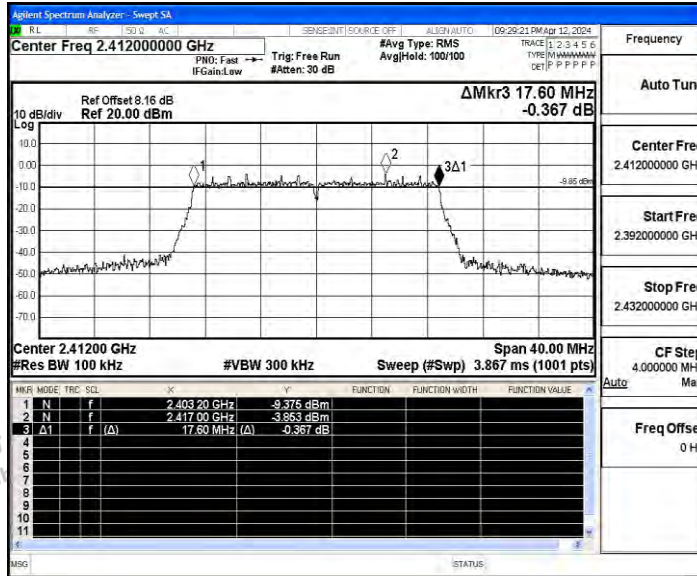


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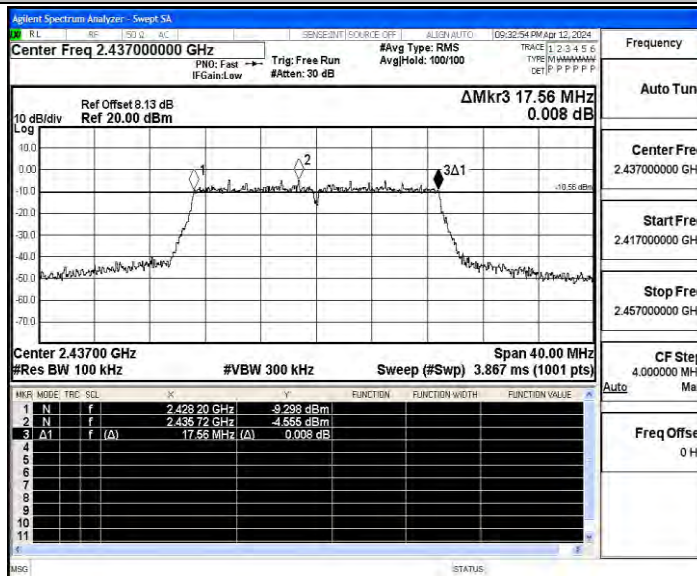
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11N20SISO\_Ant\_2437



11N20SISO\_Ant\_2462

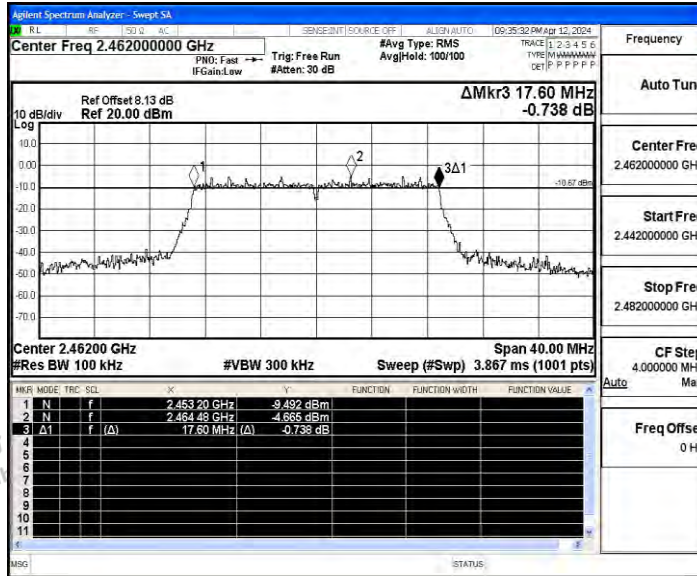


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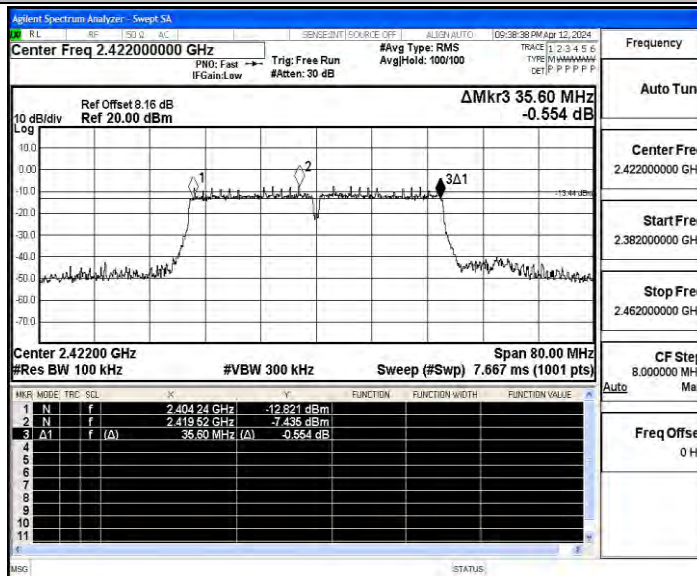
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11N40SISO\_Ant\_2422



11N40SISO\_Ant\_2437

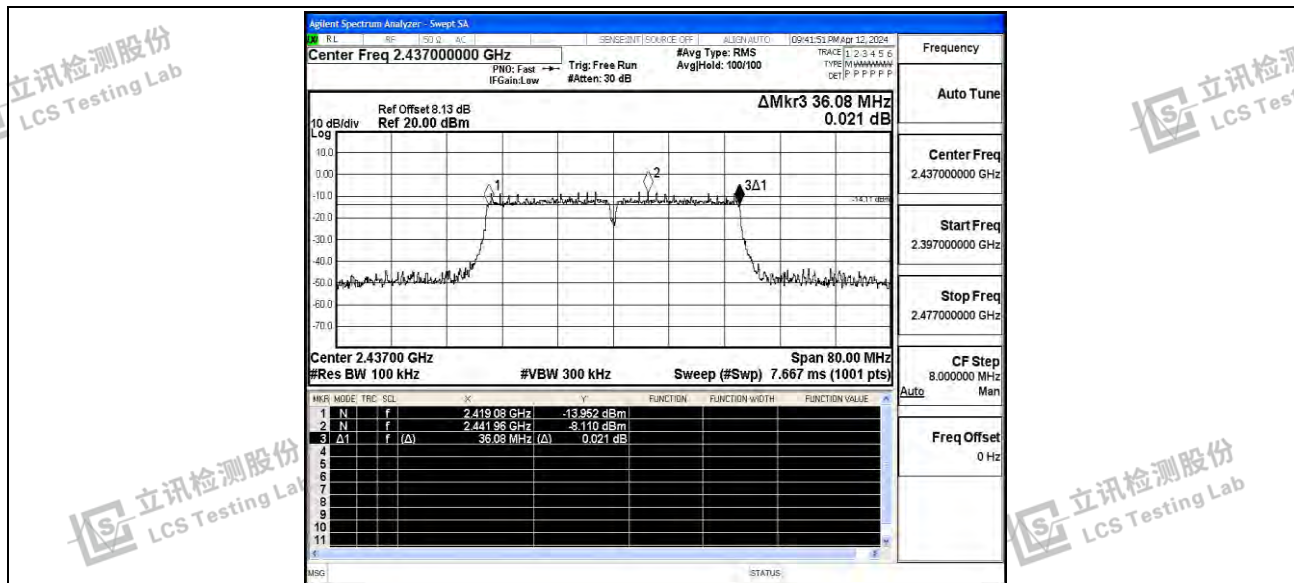


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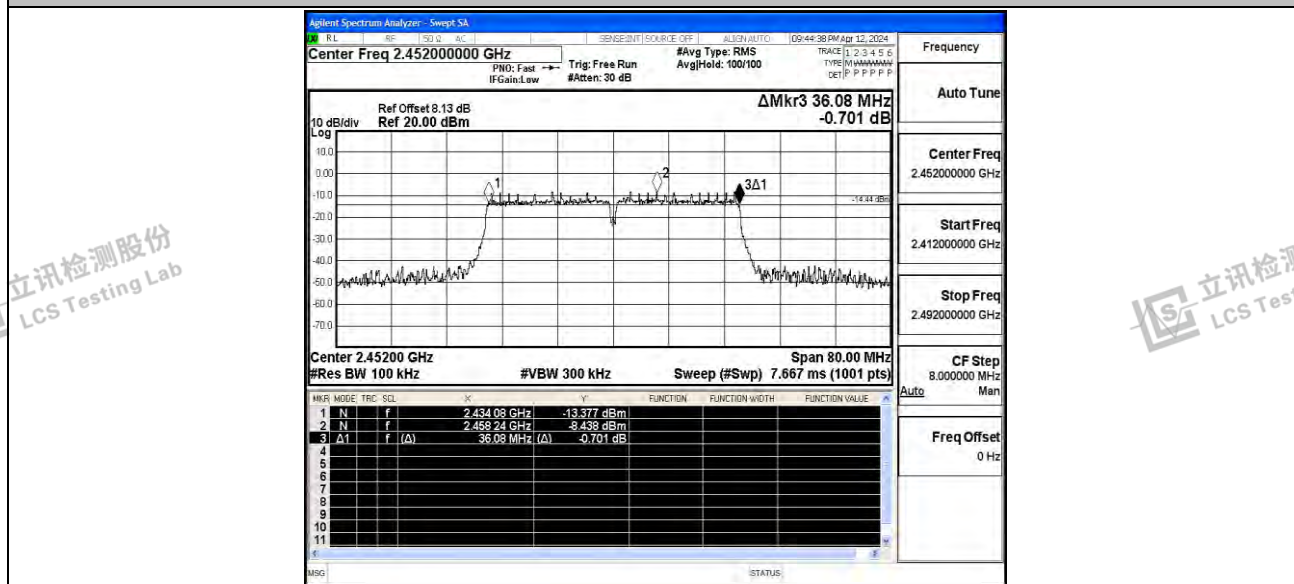
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## 11N40SISO\_Ant\_2452



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## B.2 Maximum conducted output power

### Test Result Peak

| TestMode  | Antenna | Freq(MHz) | Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|-----------|-----------------|----------------------|---------|
| 11B       | Ant     | 2412      | 15.22           | ≤30.00               | PASS    |
|           |         | 2437      | 15.68           | ≤30.00               | PASS    |
|           |         | 2462      | 15.31           | ≤30.00               | PASS    |
| 11G       | Ant     | 2412      | 14.94           | ≤30.00               | PASS    |
|           |         | 2437      | 14.55           | ≤30.00               | PASS    |
|           |         | 2462      | 14.18           | ≤30.00               | PASS    |
| 11N20SISO | Ant     | 2412      | 13.98           | ≤30.00               | PASS    |
|           |         | 2437      | 13.45           | ≤30.00               | PASS    |
|           |         | 2462      | 13.24           | ≤30.00               | PASS    |
| 11N40SISO | Ant     | 2422      | 12.76           | ≤30.00               | PASS    |
|           |         | 2437      | 12.53           | ≤30.00               | PASS    |
|           |         | 2452      | 12.19           | ≤30.00               | PASS    |



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## B.3 Maximum power spectral density

### Test Result

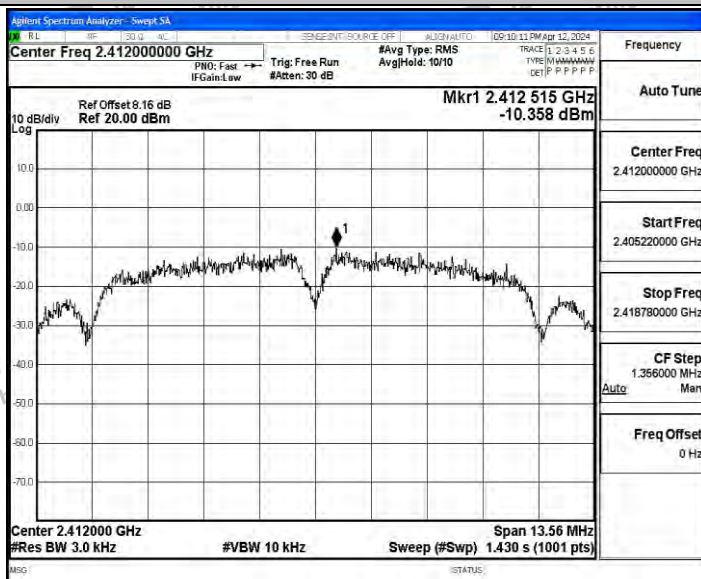
| TestMode  | Antenna | Freq(MHz) | Result<br>[dBm/3kHz] | Limit<br>[dBm/3kHz] | Verdict |
|-----------|---------|-----------|----------------------|---------------------|---------|
| 11B       | Ant     | 2412      | -10.36               | ≤8.00               | PASS    |
|           |         | 2437      | -9.12                | ≤8.00               | PASS    |
|           |         | 2462      | -10.35               | ≤8.00               | PASS    |
| 11G       | Ant     | 2412      | -16.15               | ≤8.00               | PASS    |
|           |         | 2437      | -16.67               | ≤8.00               | PASS    |
|           |         | 2462      | -17.37               | ≤8.00               | PASS    |
| 11N20SISO | Ant     | 2412      | -17.42               | ≤8.00               | PASS    |
|           |         | 2437      | -18.62               | ≤8.00               | PASS    |
|           |         | 2462      | -18.92               | ≤8.00               | PASS    |
| 11N40SISO | Ant     | 2422      | -22.15               | ≤8.00               | PASS    |
|           |         | 2437      | -22.38               | ≤8.00               | PASS    |
|           |         | 2452      | -22.19               | ≤8.00               | PASS    |



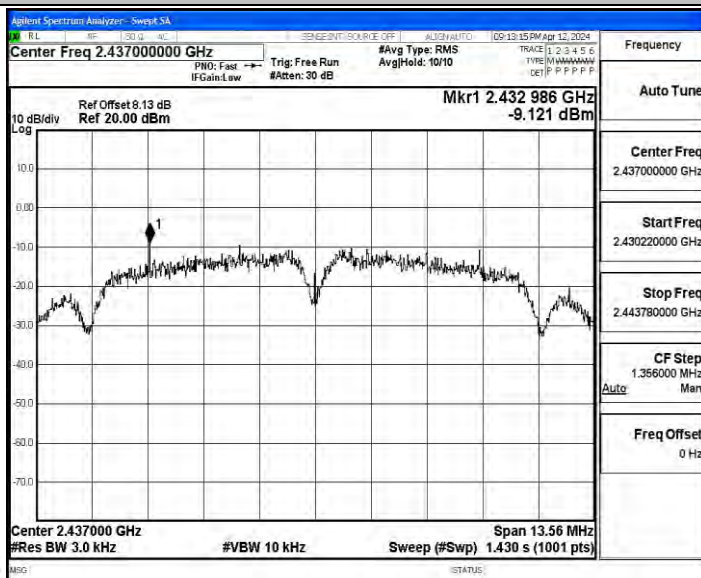


## Test Graphs

11B\_Ant\_2412



11B\_Ant\_2437



11B\_Ant\_2462

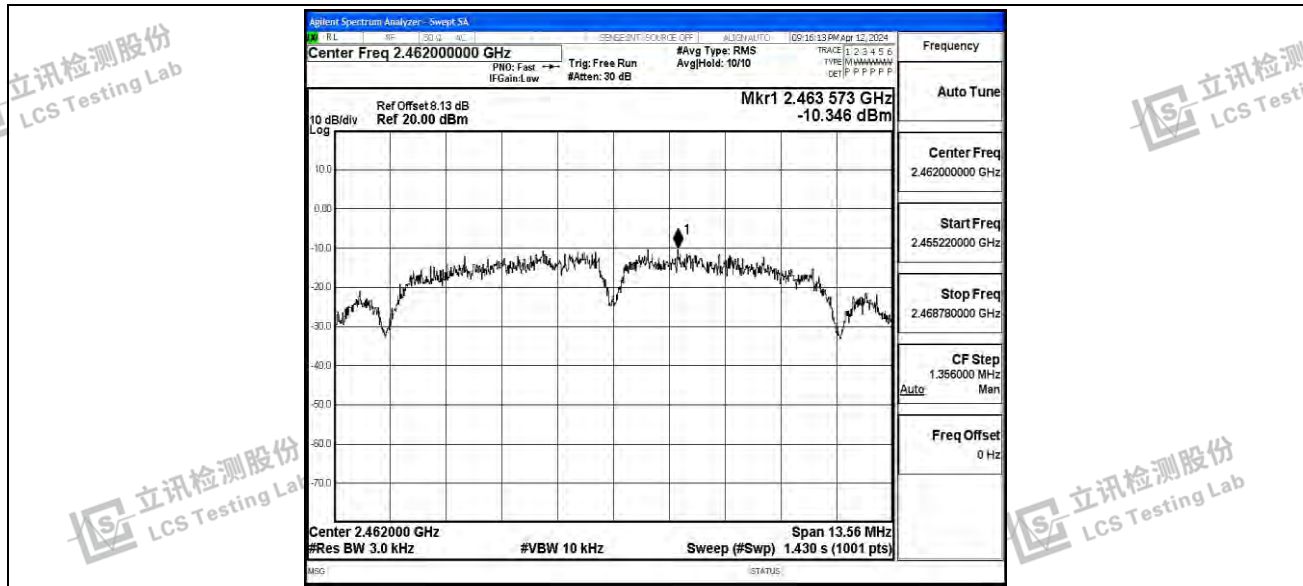


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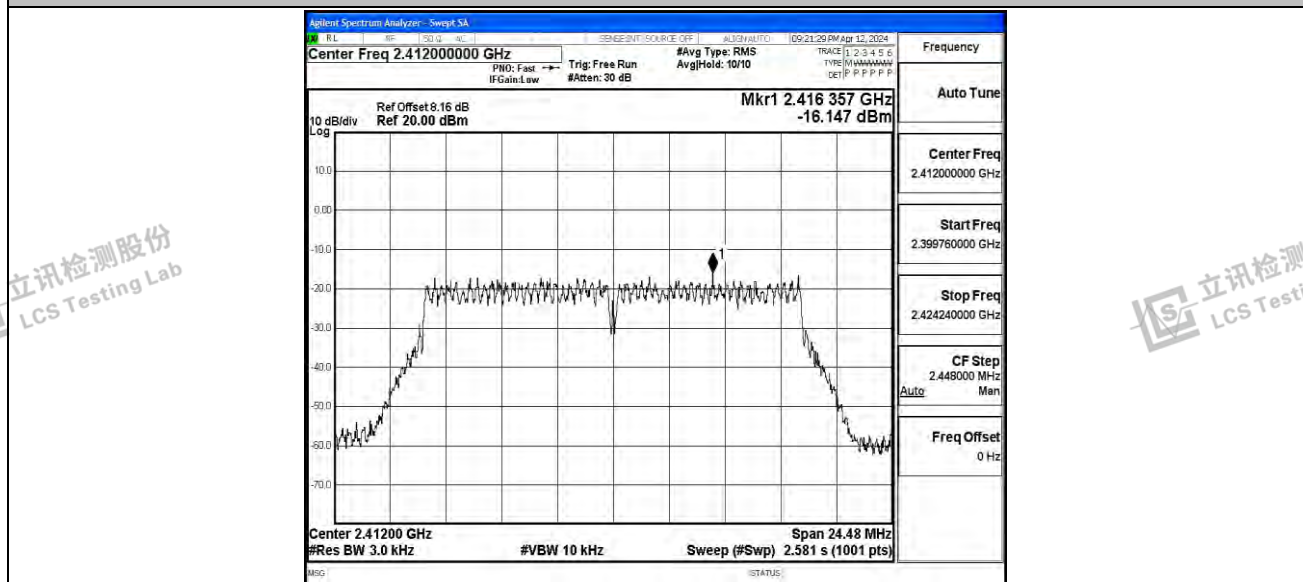
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11G\_Ant\_2412



11G\_Ant\_2437

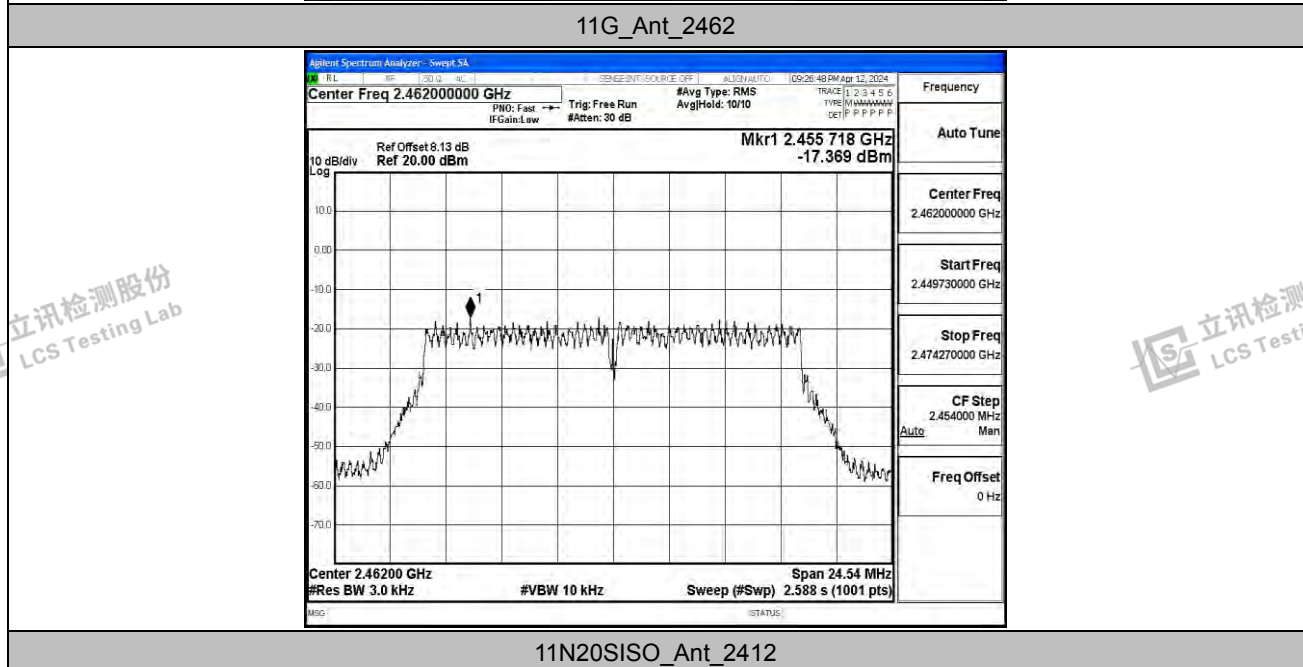
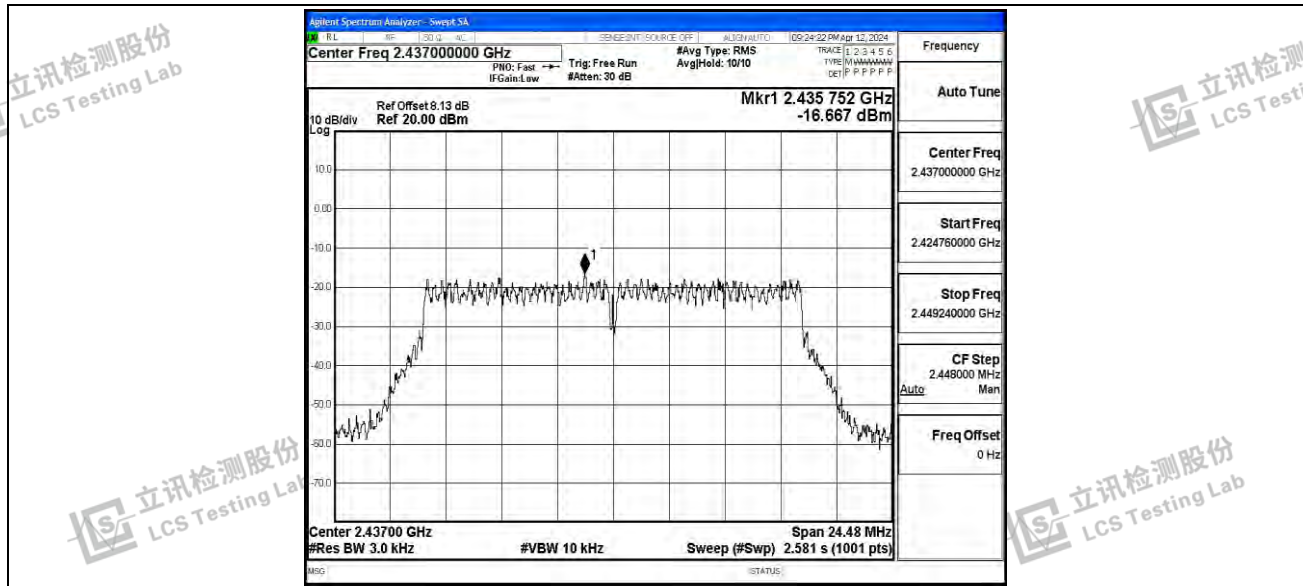


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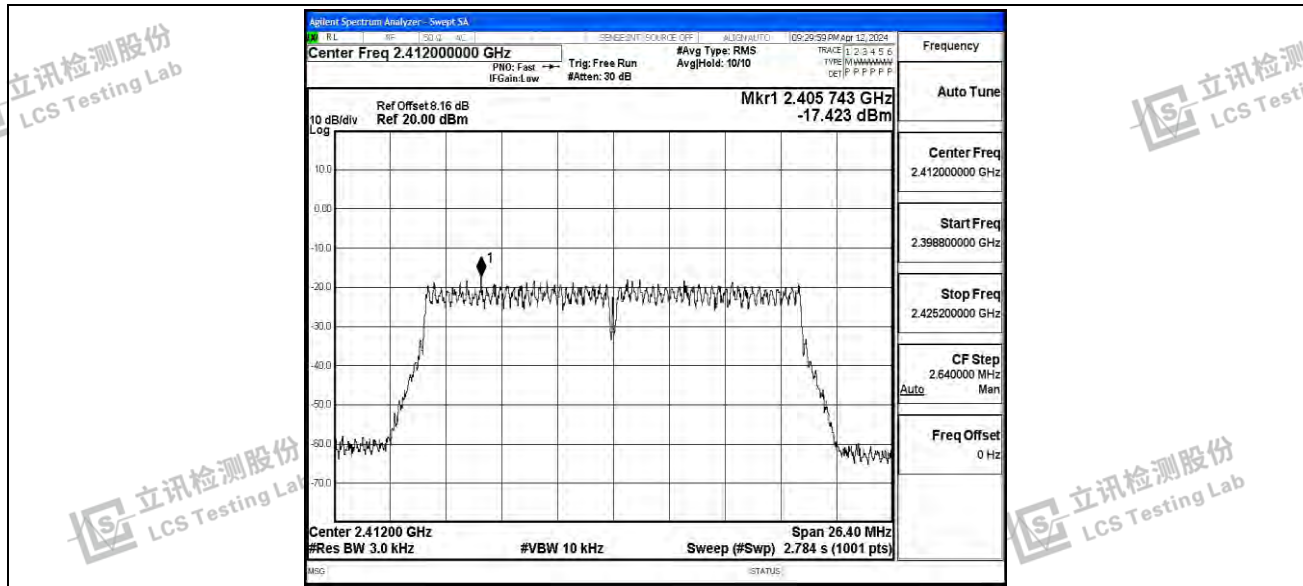


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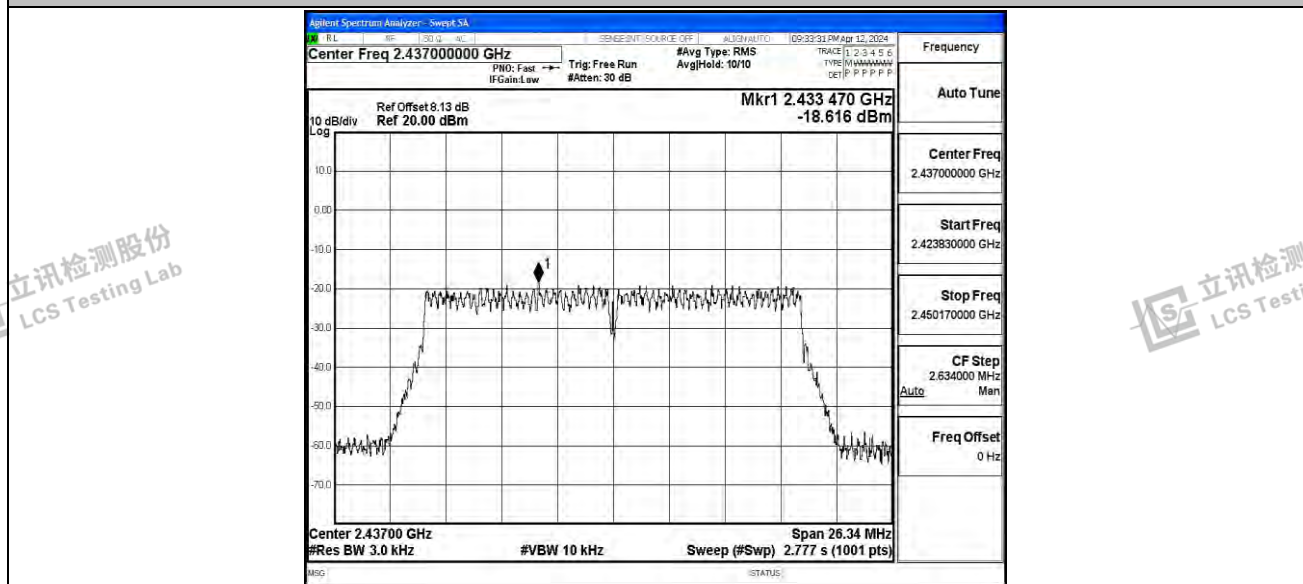
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11N20SISO\_Ant\_2437



11N20SISO\_Ant\_2462

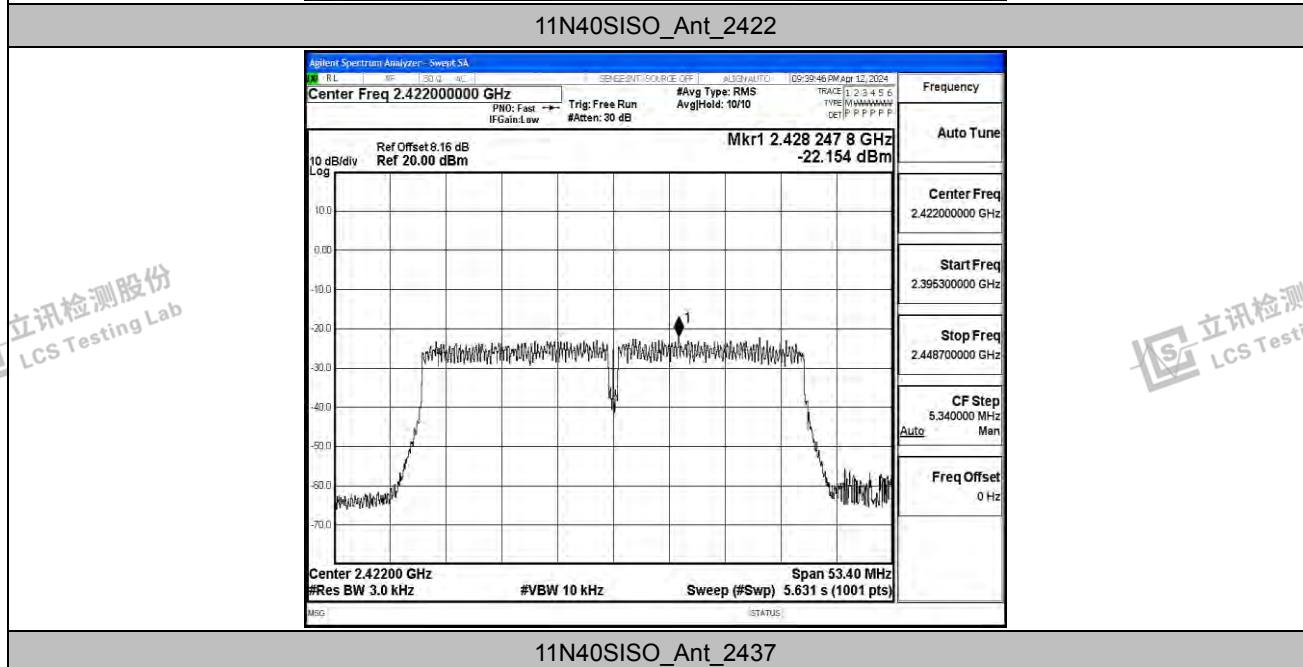
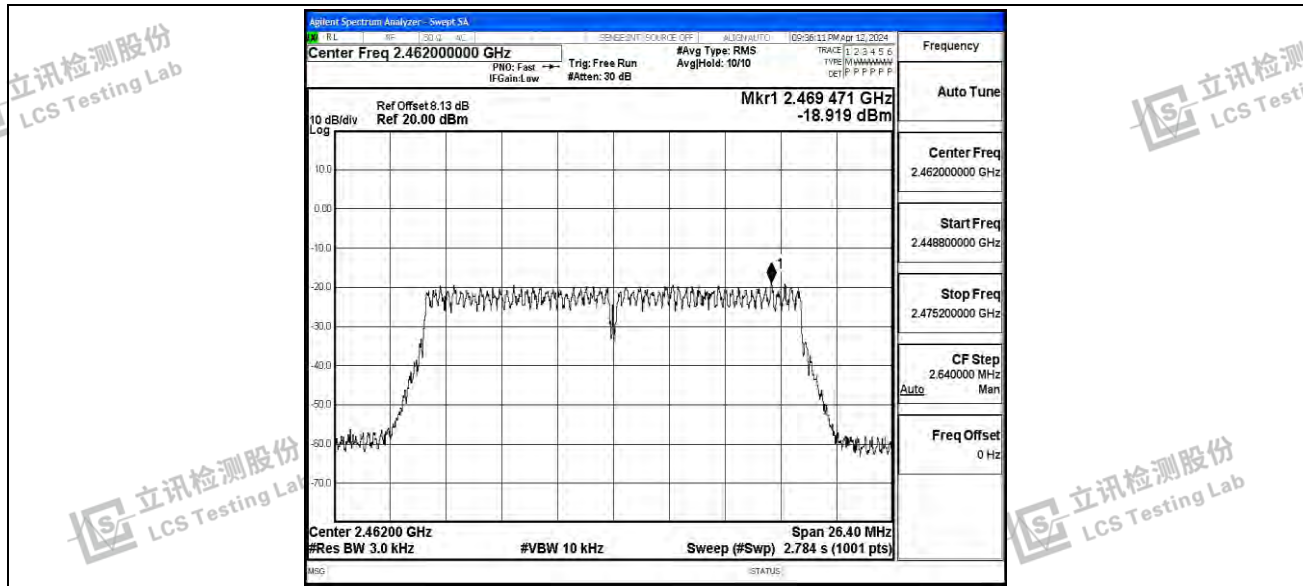


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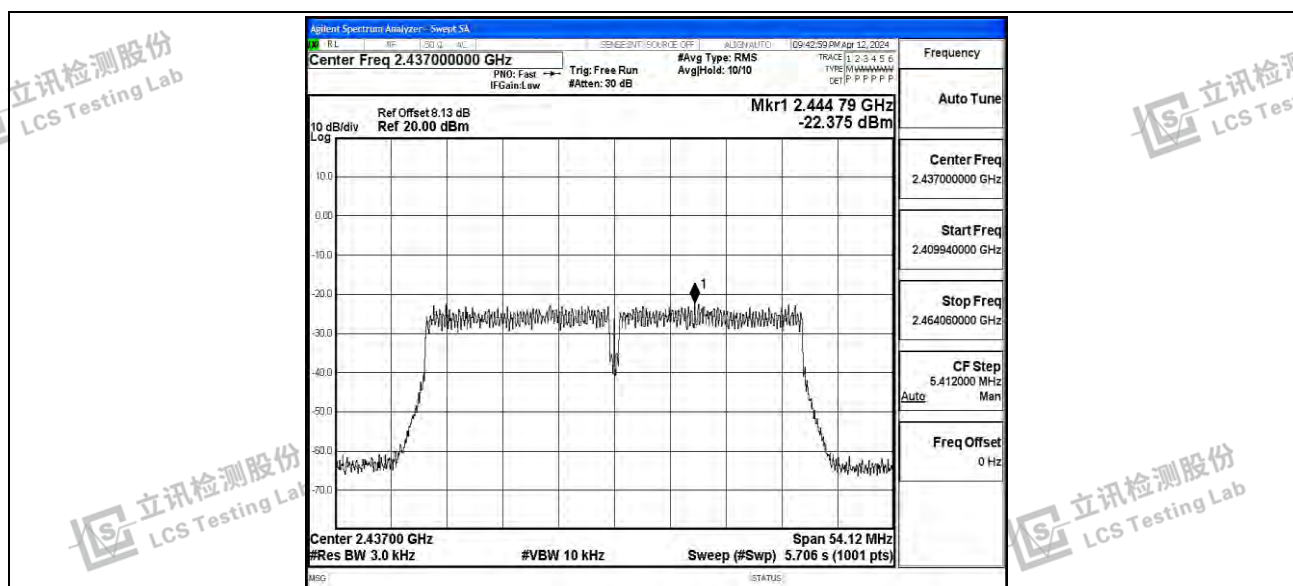


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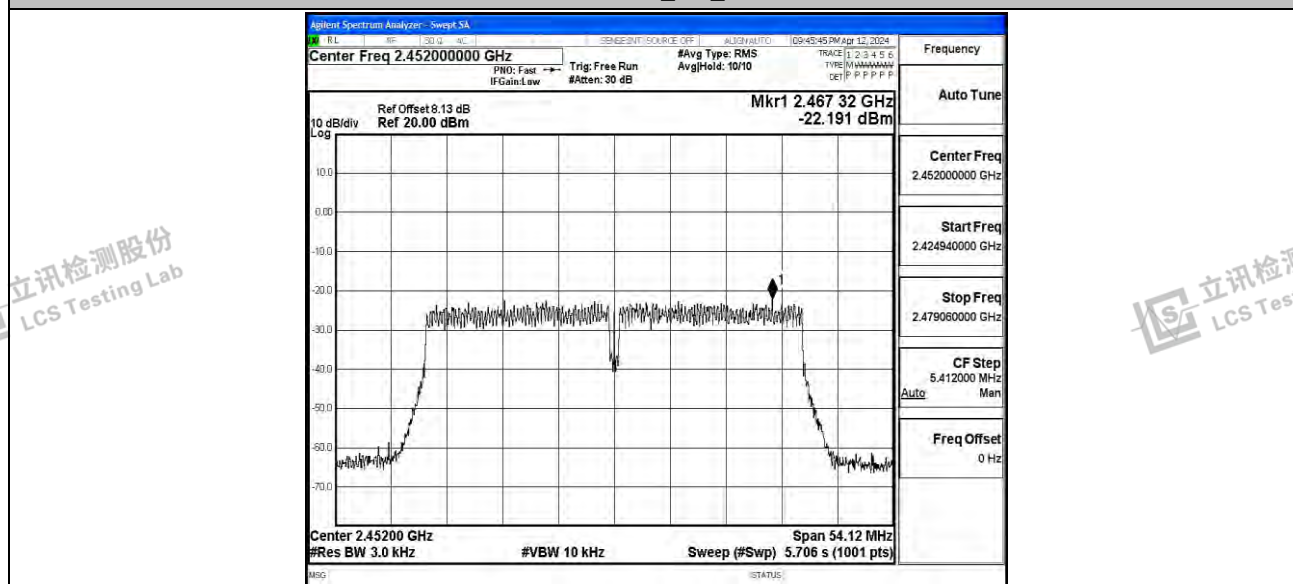
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11N40SISO Ant 2452





## B.4 Band edge measurements

### Test Result

| TestMode  | Antenna | ChName | Freq(MHz) | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|-----------|---------------|-------------|---------------|---------|
| 11B       | Ant     | Low    | 2412      | 3.13          | -42.49      | $\leq -16.87$ | PASS    |
|           |         | High   | 2462      | 3.76          | -50.14      | $\leq -16.24$ | PASS    |
| 11G       | Ant     | Low    | 2412      | -2.78         | -39.42      | $\leq -22.78$ | PASS    |
|           |         | High   | 2462      | -3.23         | -47.78      | $\leq -23.23$ | PASS    |
| 11N20SISO | Ant     | Low    | 2412      | -3.86         | -40.86      | $\leq -23.86$ | PASS    |
|           |         | High   | 2462      | -4.61         | -48.71      | $\leq -24.61$ | PASS    |
| 11N40SISO | Ant     | Low    | 2422      | -7.96         | -44.84      | $\leq -27.96$ | PASS    |
|           |         | High   | 2452      | -8.44         | -44.34      | $\leq -28.44$ | PASS    |



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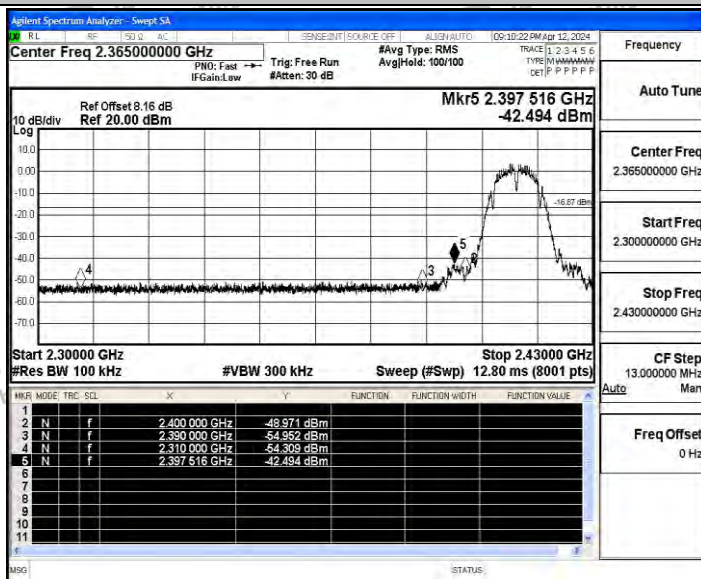
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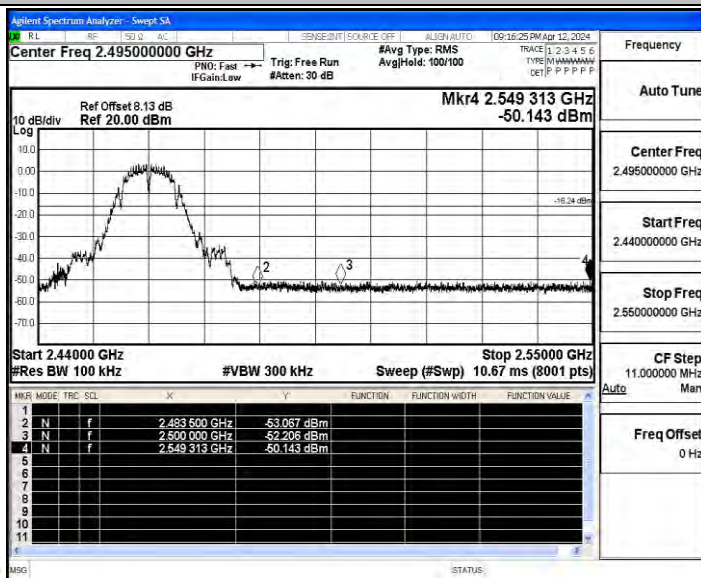


## Test Graphs

11B\_Ant\_Low\_2412



11B\_Ant\_High\_2462



11G\_Ant\_Low\_2412

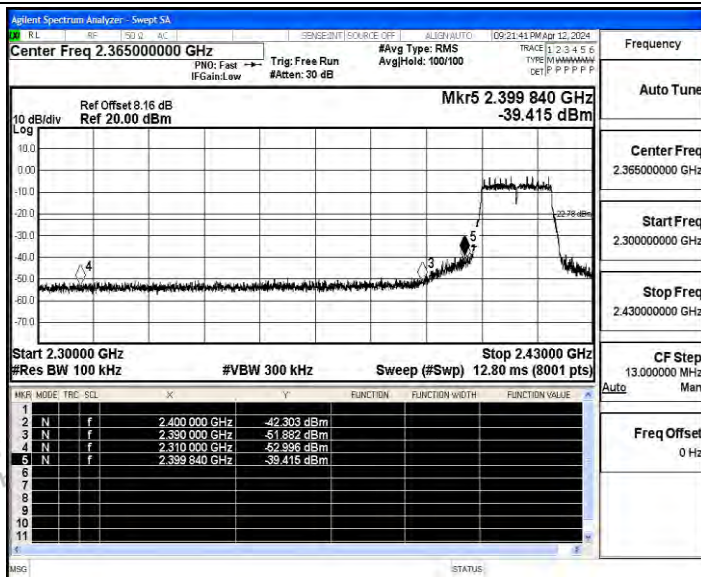


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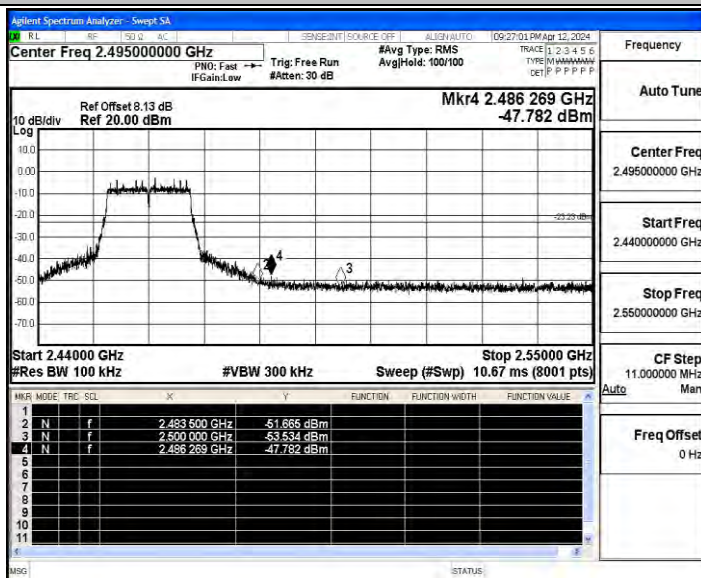
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11G\_Ant\_High\_2462



11N20SISO\_Ant\_Low\_2412

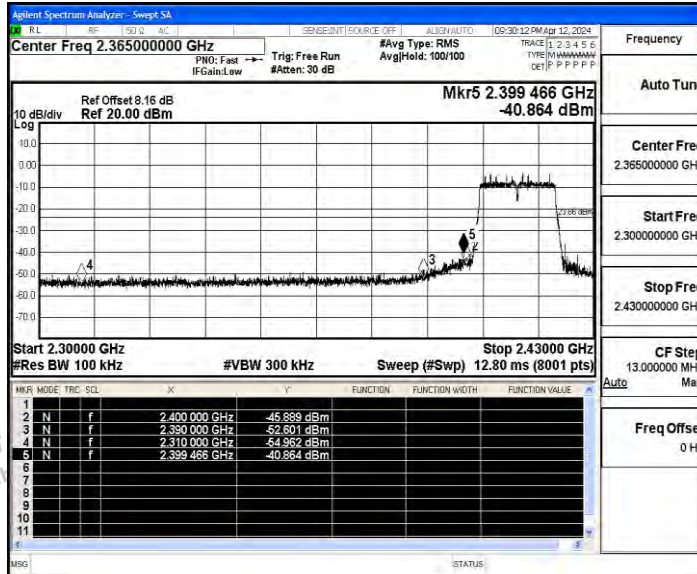


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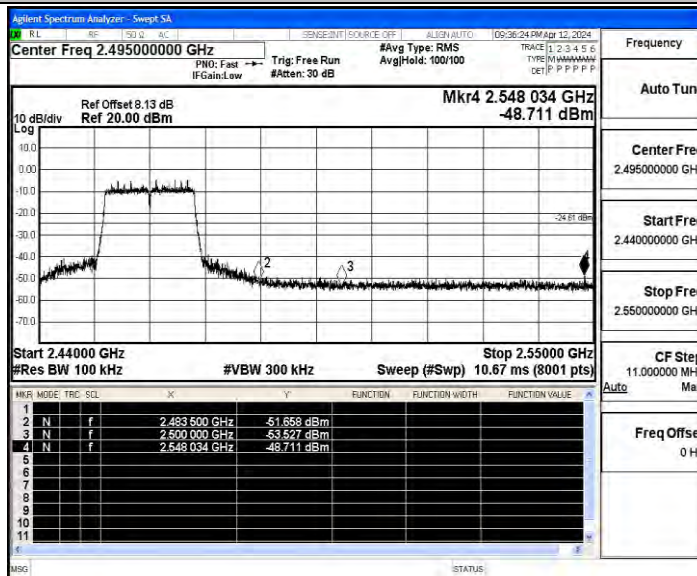
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11N20SISO\_Ant\_High\_2462



11N40SISO\_Ant\_Low\_2422

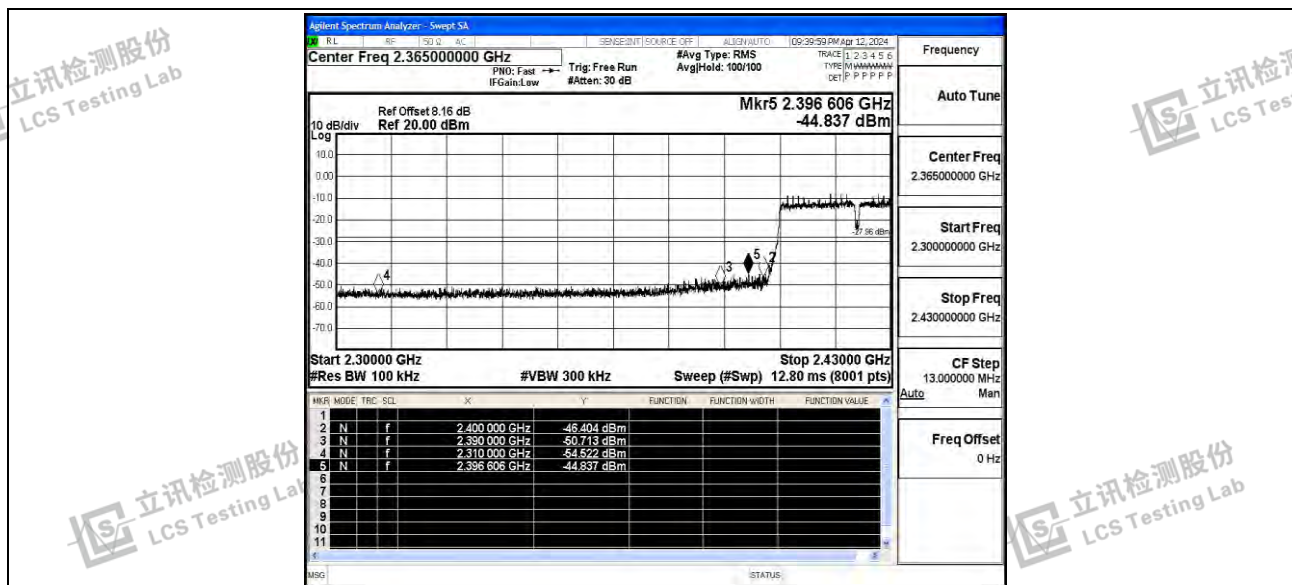


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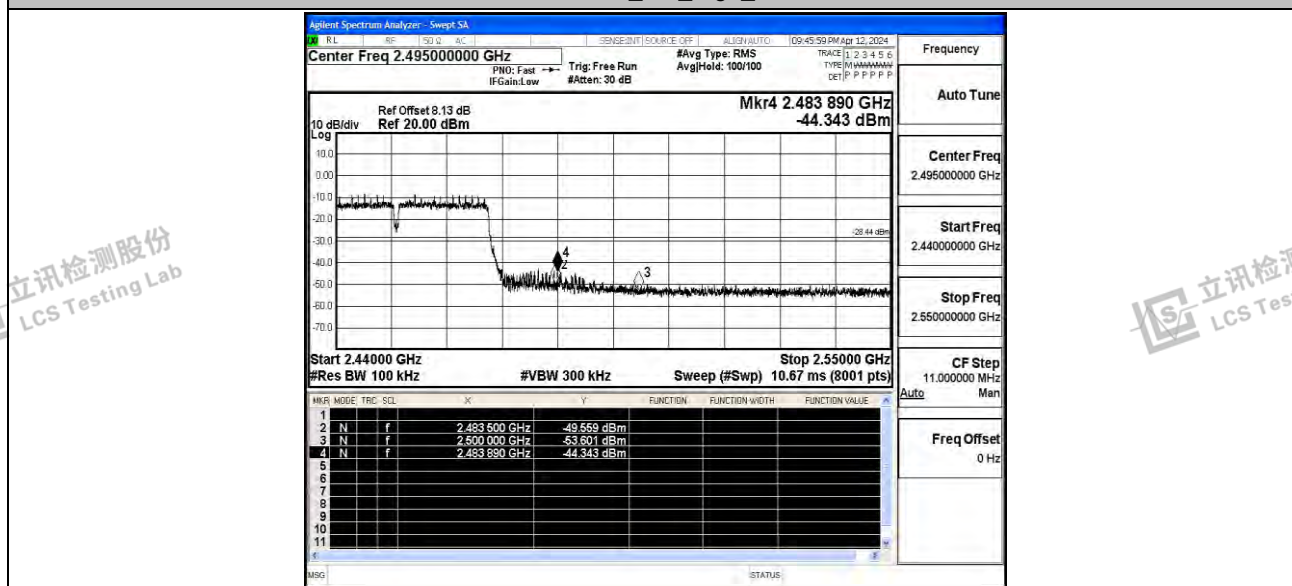
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## 11N40SISO\_Ant\_High\_2452



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## B.5 Conducted Spurious Emission

### Test Result

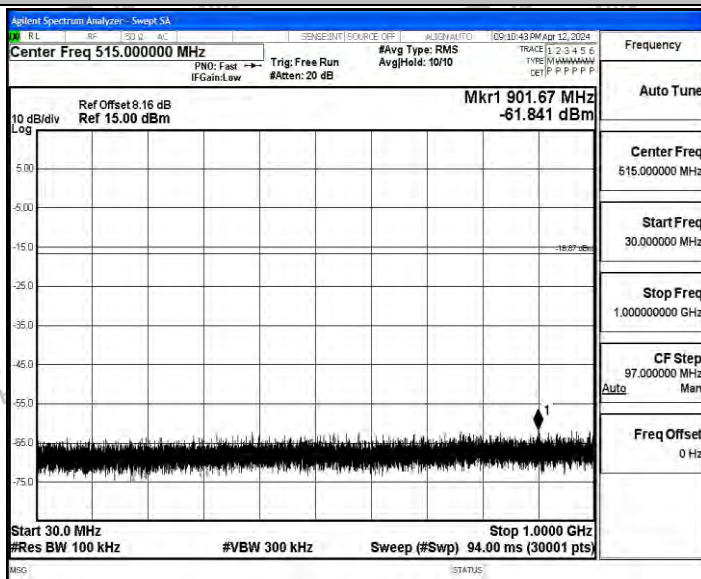
| TestMode  | Antenna | Freq(MHz) | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|---------|-----------|--------------------|-------------------|-----------------|----------------|---------|
| 11B       | Ant     | 2412      | 30~1000            | 3.13              | -61.84          | ≤-16.87        | PASS    |
|           |         |           | 1000~26500         | 3.13              | -49.3           | ≤-16.87        | PASS    |
|           |         | 2437      | 30~1000            | 3.54              | -61.83          | ≤-16.46        | PASS    |
|           |         |           | 1000~26500         | 3.54              | -49.01          | ≤-16.46        | PASS    |
|           |         | 2462      | 30~1000            | 3.76              | -61.96          | ≤-16.24        | PASS    |
|           |         |           | 1000~26500         | 3.76              | -49.09          | ≤-16.24        | PASS    |
| 11G       | Ant     | 2412      | 30~1000            | -2.78             | -61.22          | ≤-22.78        | PASS    |
|           |         |           | 1000~26500         | -2.78             | -49.36          | ≤-22.78        | PASS    |
|           |         | 2437      | 30~1000            | -3.09             | -61.19          | ≤-23.09        | PASS    |
|           |         |           | 1000~26500         | -3.09             | -48.54          | ≤-23.09        | PASS    |
|           |         | 2462      | 30~1000            | -3.23             | -61.69          | ≤-23.23        | PASS    |
|           |         |           | 1000~26500         | -3.23             | -47.9           | ≤-23.23        | PASS    |
| 11N20SISO | Ant     | 2412      | 30~1000            | -3.86             | -61.65          | ≤-23.86        | PASS    |
|           |         |           | 1000~26500         | -3.86             | -48.89          | ≤-23.86        | PASS    |
|           |         | 2437      | 30~1000            | -4.51             | -61.6           | ≤-24.51        | PASS    |
|           |         |           | 1000~26500         | -4.51             | -48.98          | ≤-24.51        | PASS    |
|           |         | 2462      | 30~1000            | -4.61             | -61.73          | ≤-24.61        | PASS    |
|           |         |           | 1000~26500         | -4.61             | -48.79          | ≤-24.61        | PASS    |
| 11N40SISO | Ant     | 2422      | 30~1000            | -7.96             | -61.29          | ≤-27.96        | PASS    |
|           |         |           | 1000~26500         | -7.96             | -49.54          | ≤-27.96        | PASS    |
|           |         | 2437      | 30~1000            | -8.14             | -61.16          | ≤-28.14        | PASS    |
|           |         |           | 1000~26500         | -8.14             | -49.26          | ≤-28.14        | PASS    |
|           |         | 2452      | 30~1000            | -8.44             | -61.78          | ≤-28.44        | PASS    |
|           |         |           | 1000~26500         | -8.44             | -49.43          | ≤-28.44        | PASS    |



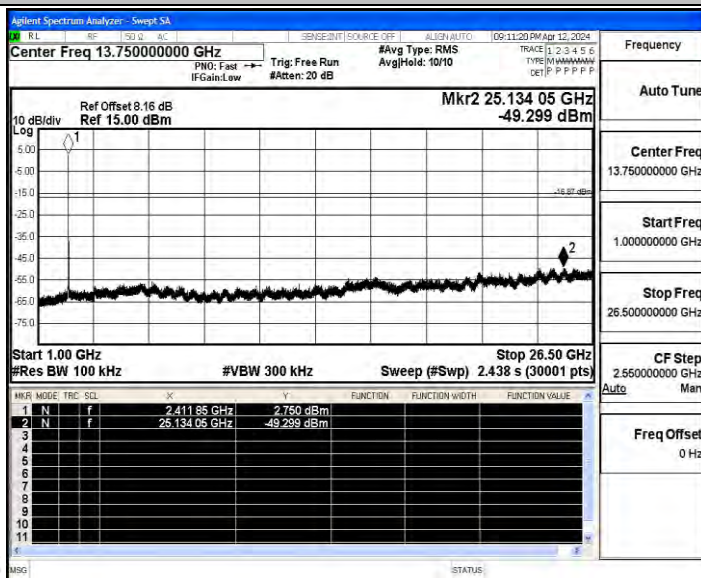


## Test Graphs

11B\_Ant\_2412\_30~1000



11B\_Ant\_2412\_1000~26500



11B\_Ant\_2437\_30~1000

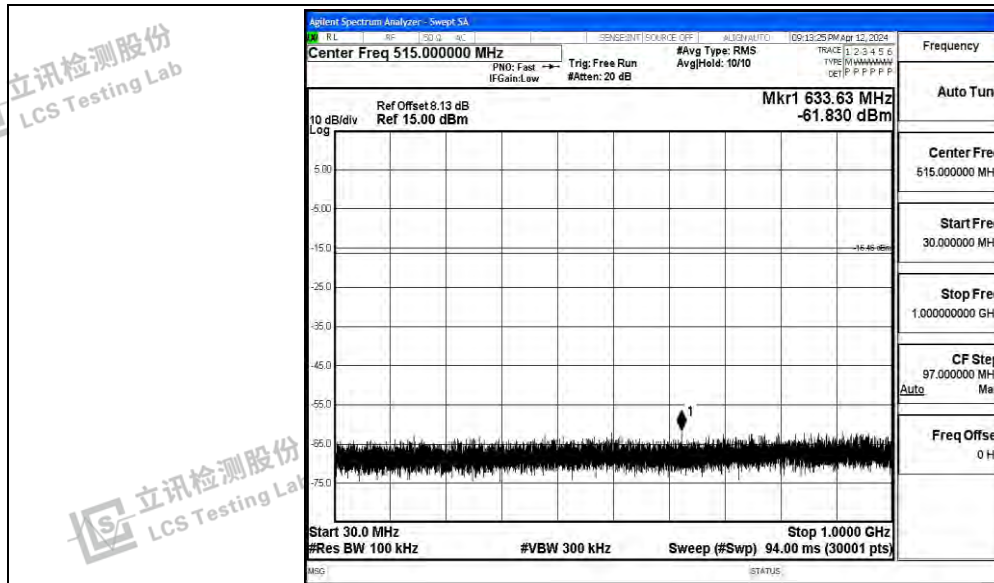


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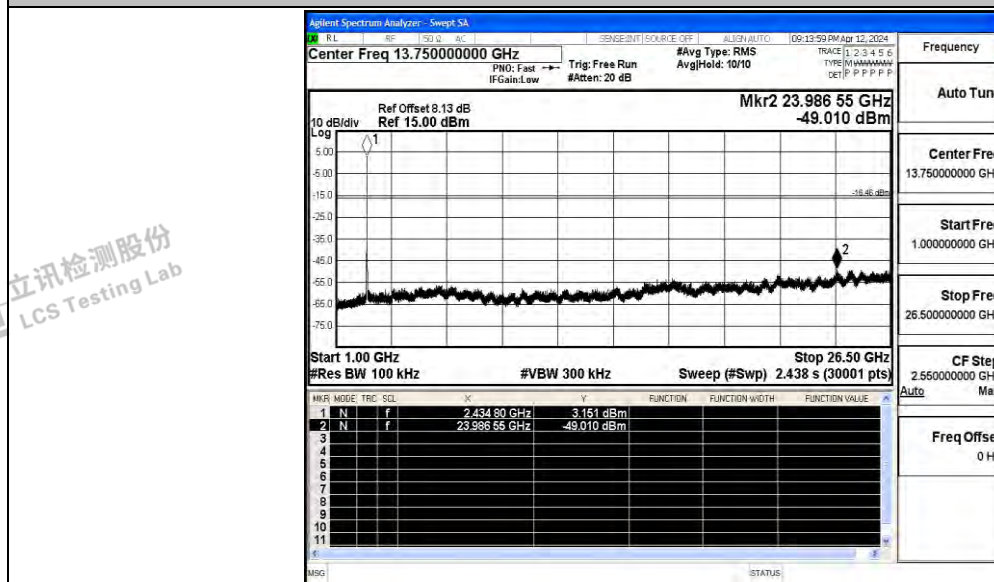
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

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11B\_Ant\_2437\_1000~26500



11B\_Ant\_2462\_30~1000

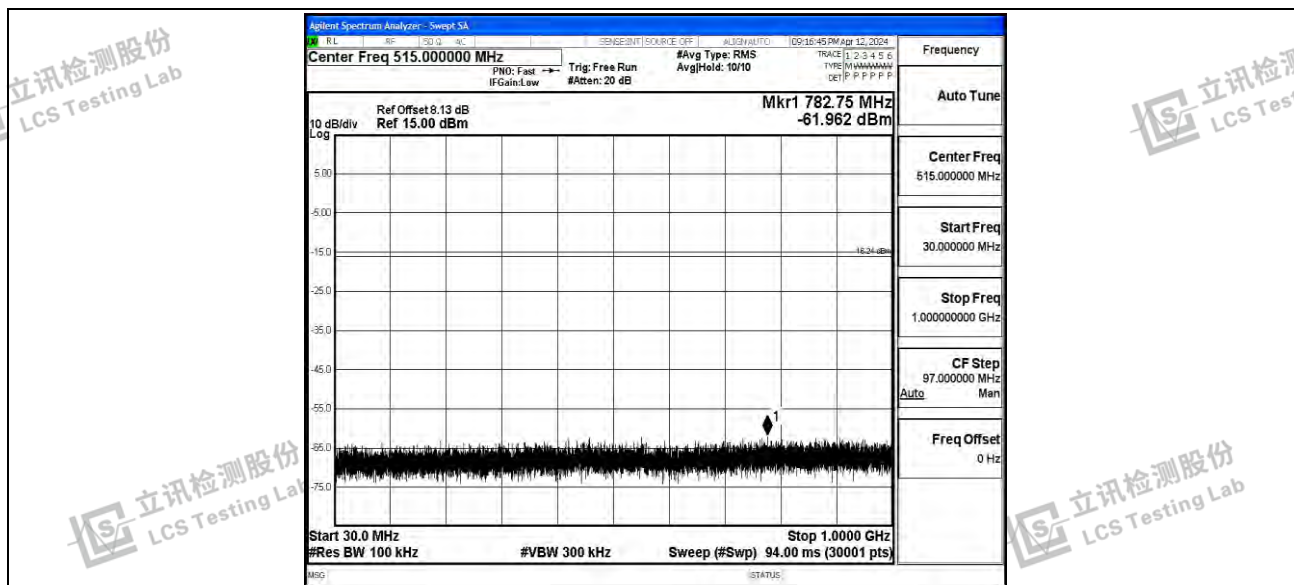


Shenzhen LCS Compliance Testing Laboratory Ltd.

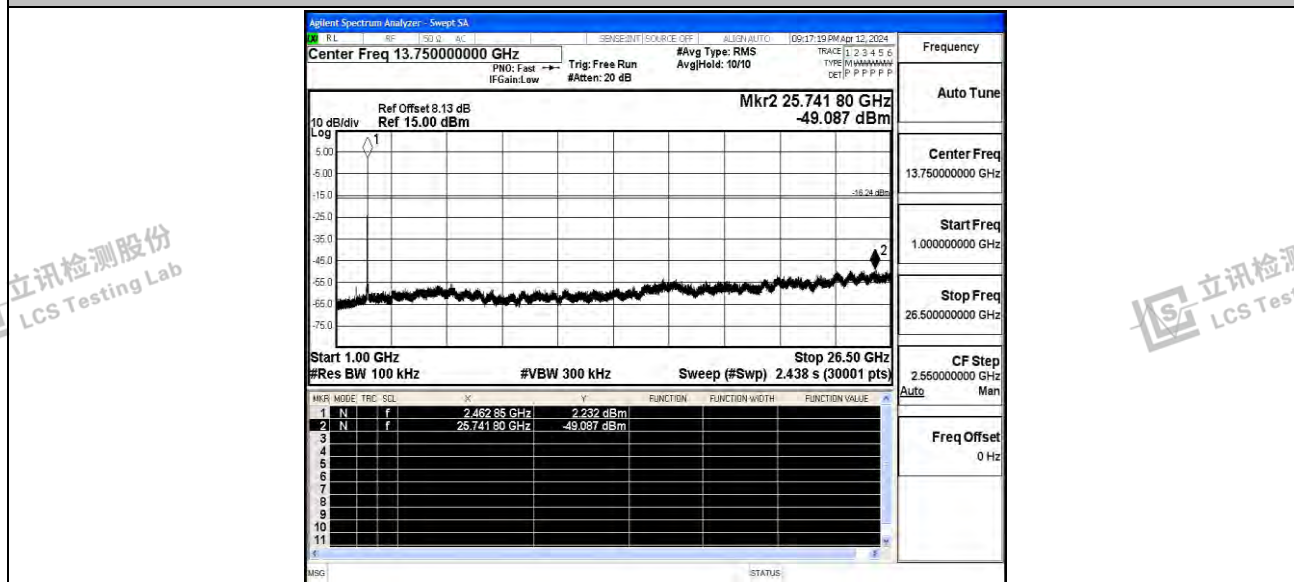
Shenzhen EEC Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen,  
518000, China

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

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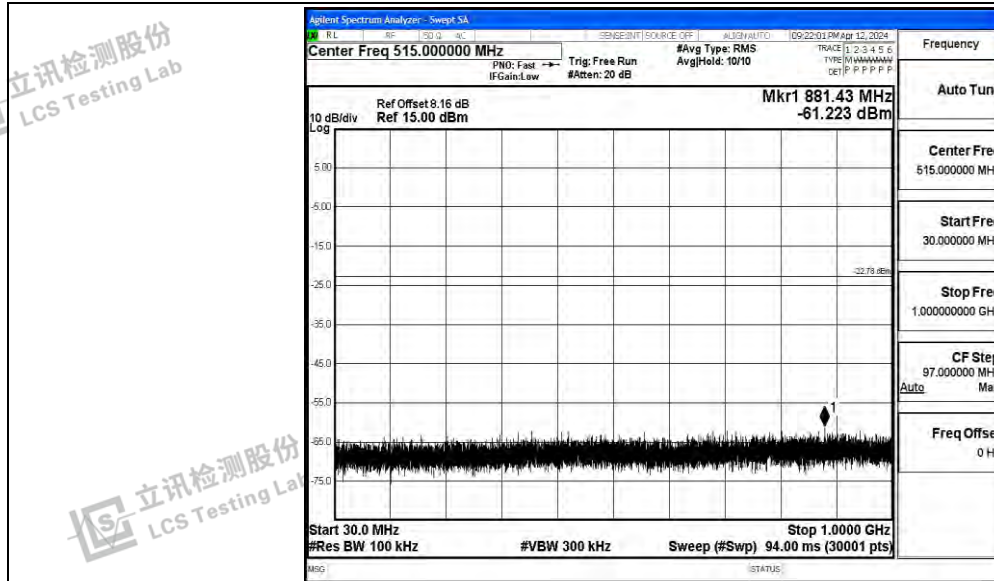


11B Ant 2462 1000~26500

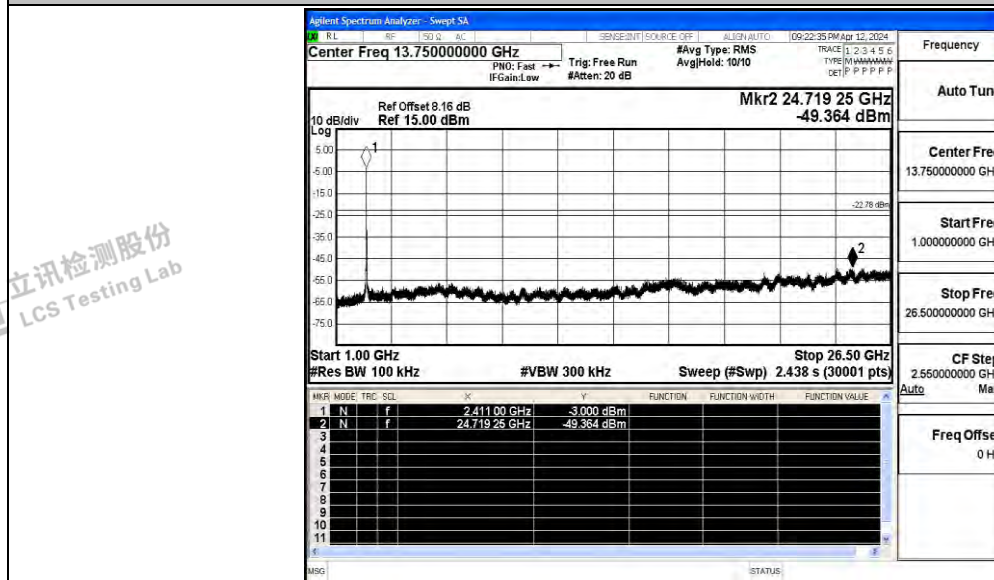


11G Ant 2412 30~1000





## 11G\_Ant\_2412\_1000~26500



## 11G\_Ant\_2437\_30~1000

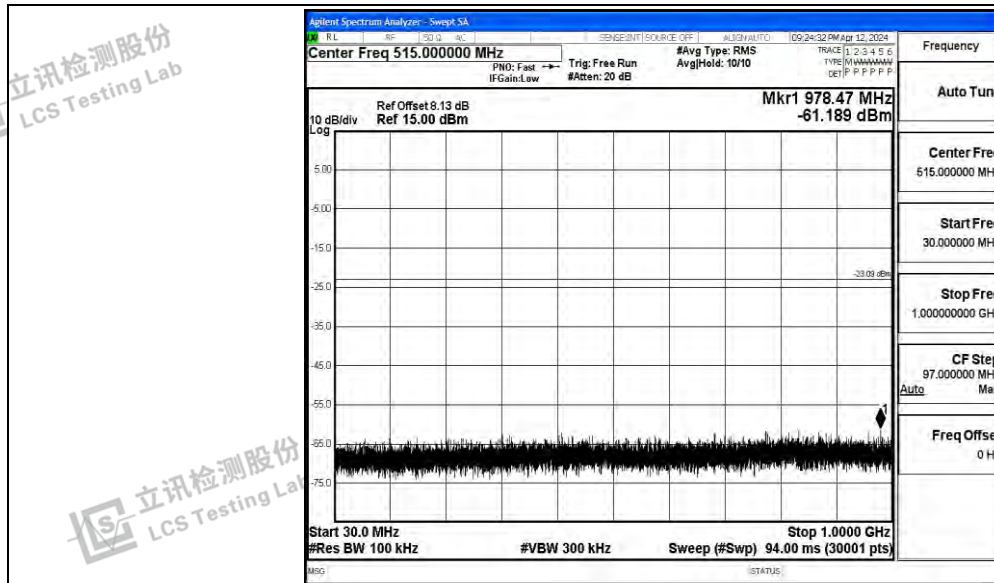


Shenzhen LCS Compliance Testing Laboratory Ltd.

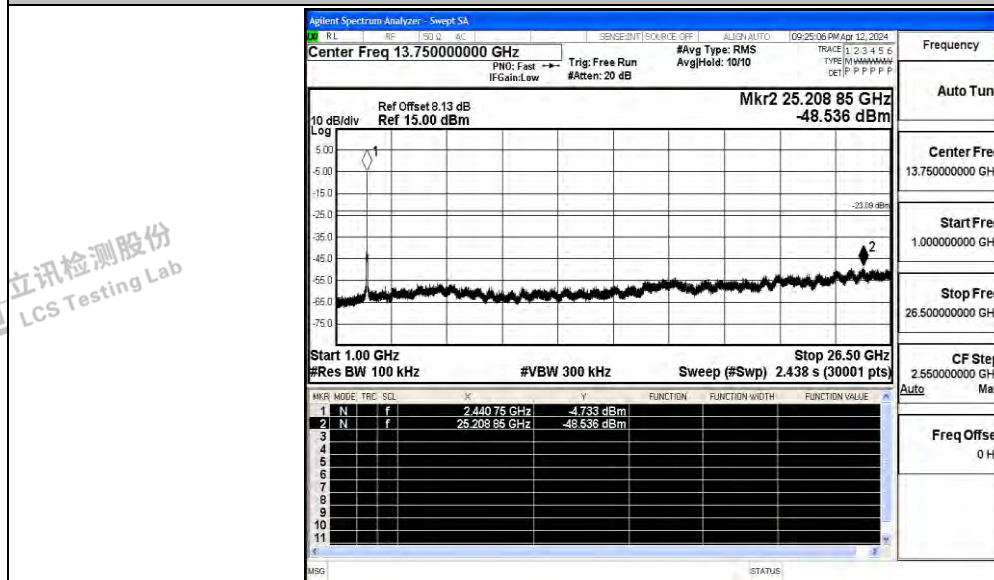
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11G\_Ant\_2437\_1000~26500



11G\_Ant\_2462\_30~1000

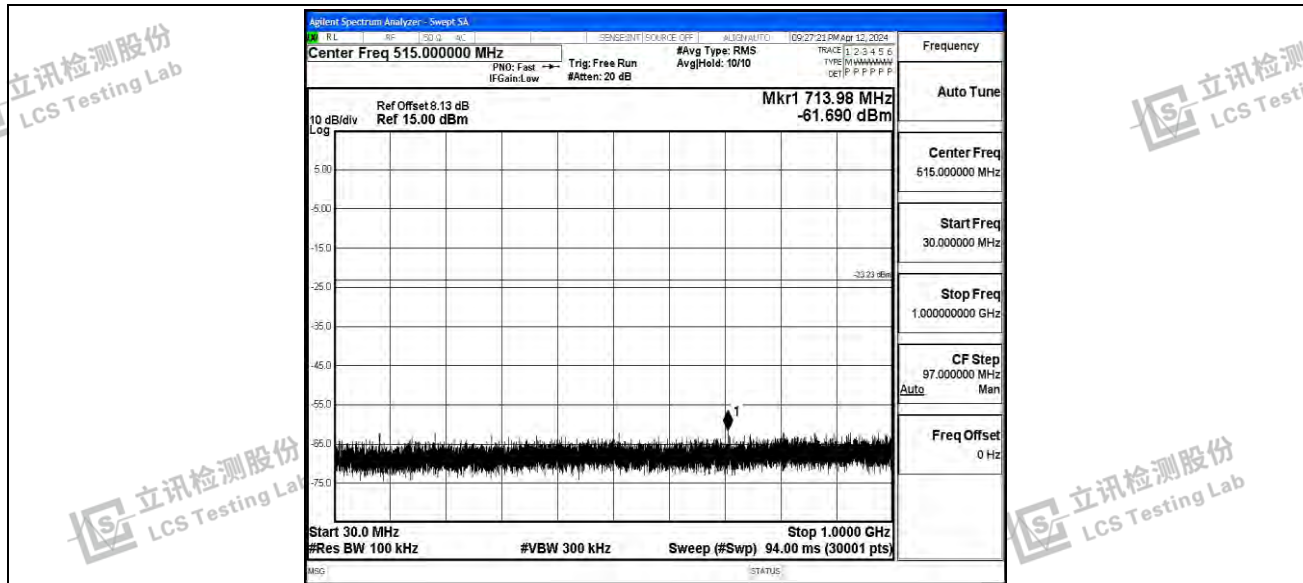


Shenzhen LCS Compliance Testing Laboratory Ltd.

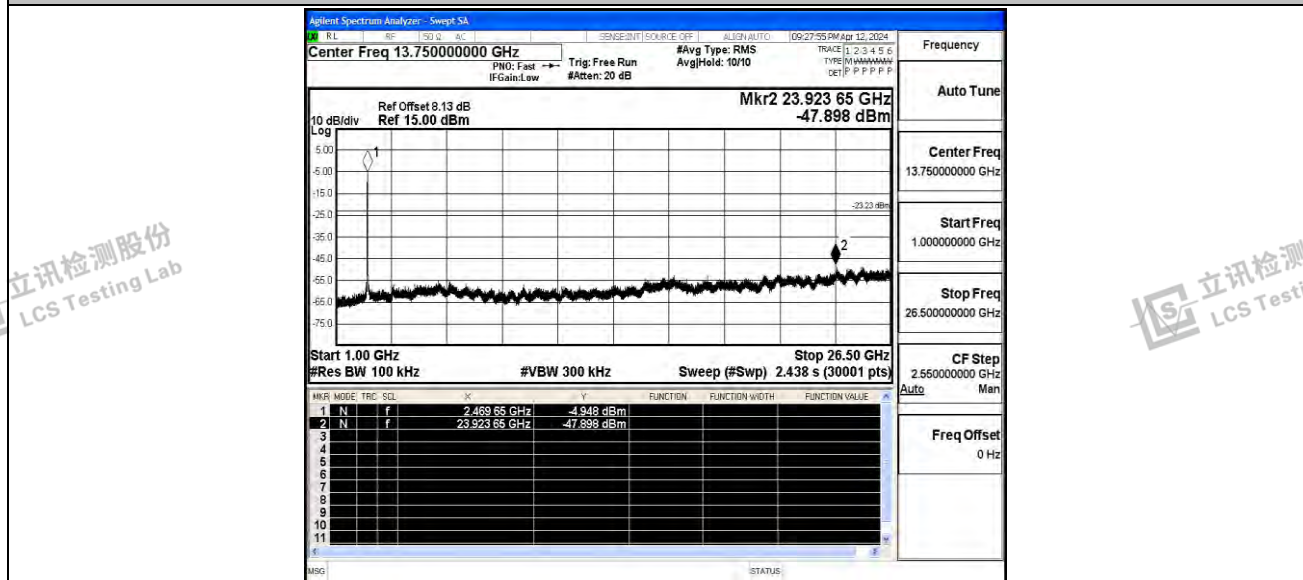
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

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11G\_Ant\_2462\_1000~26500



11N20SISO\_Ant\_2412\_30~1000

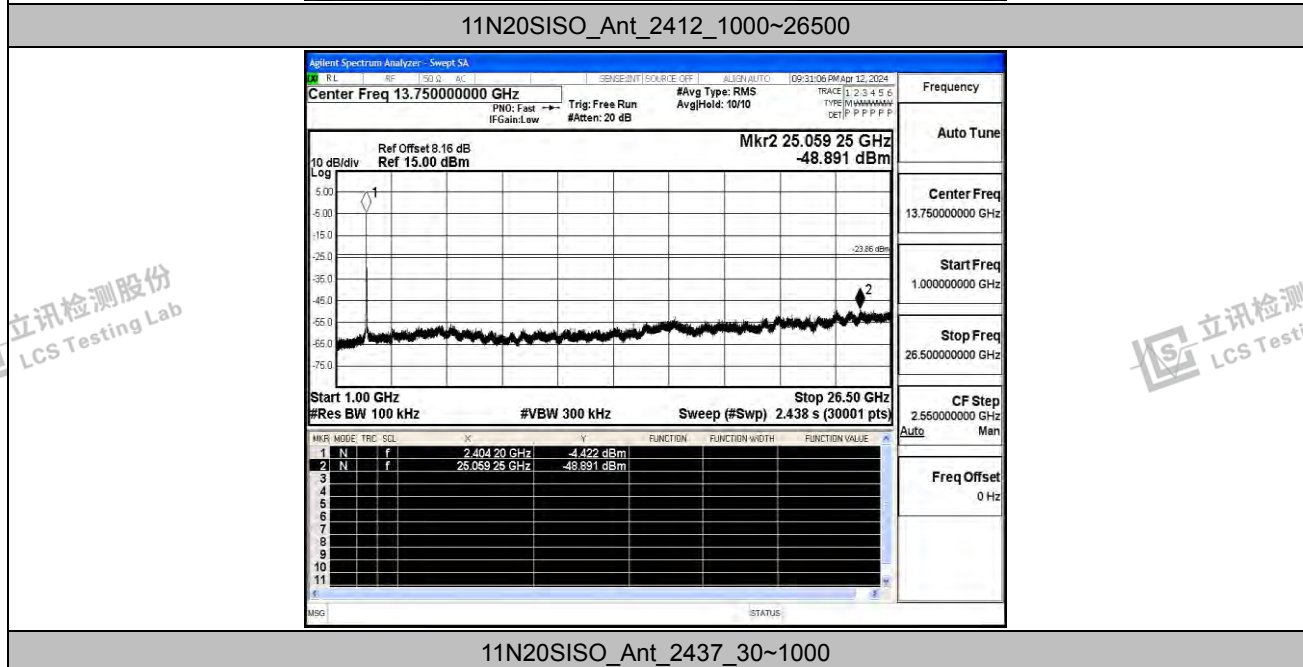
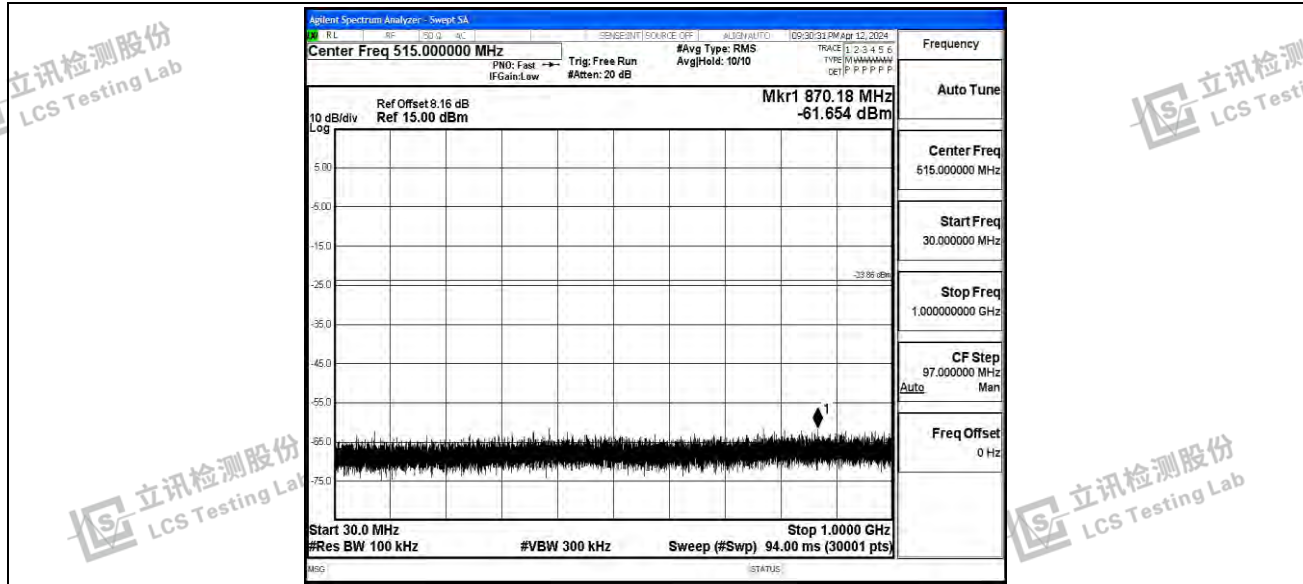


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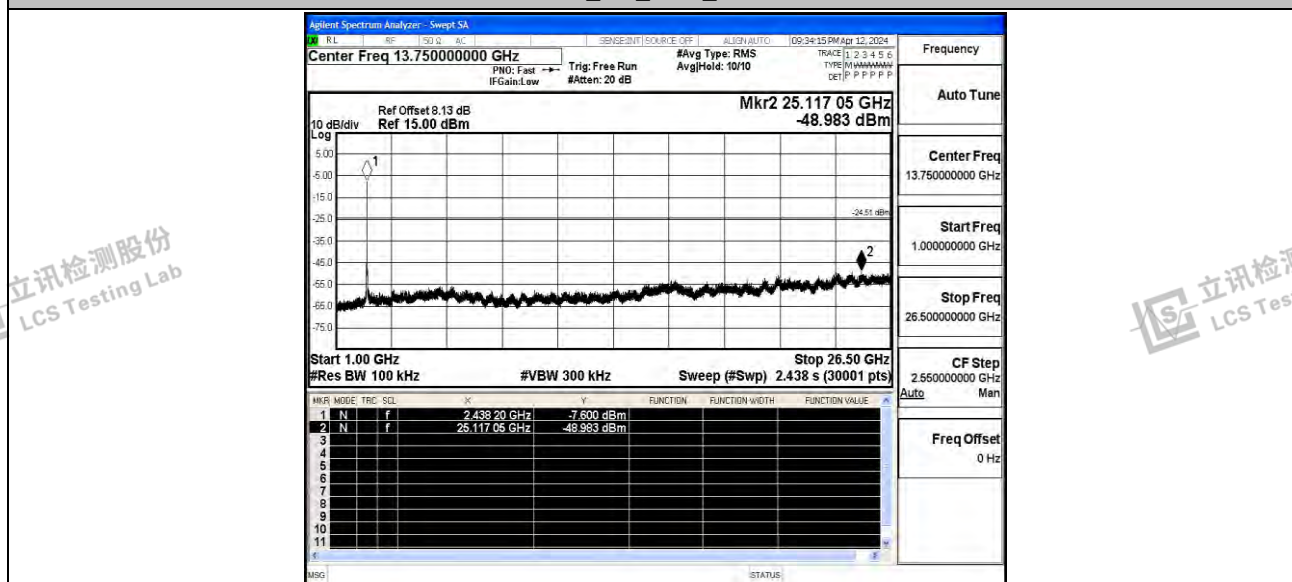
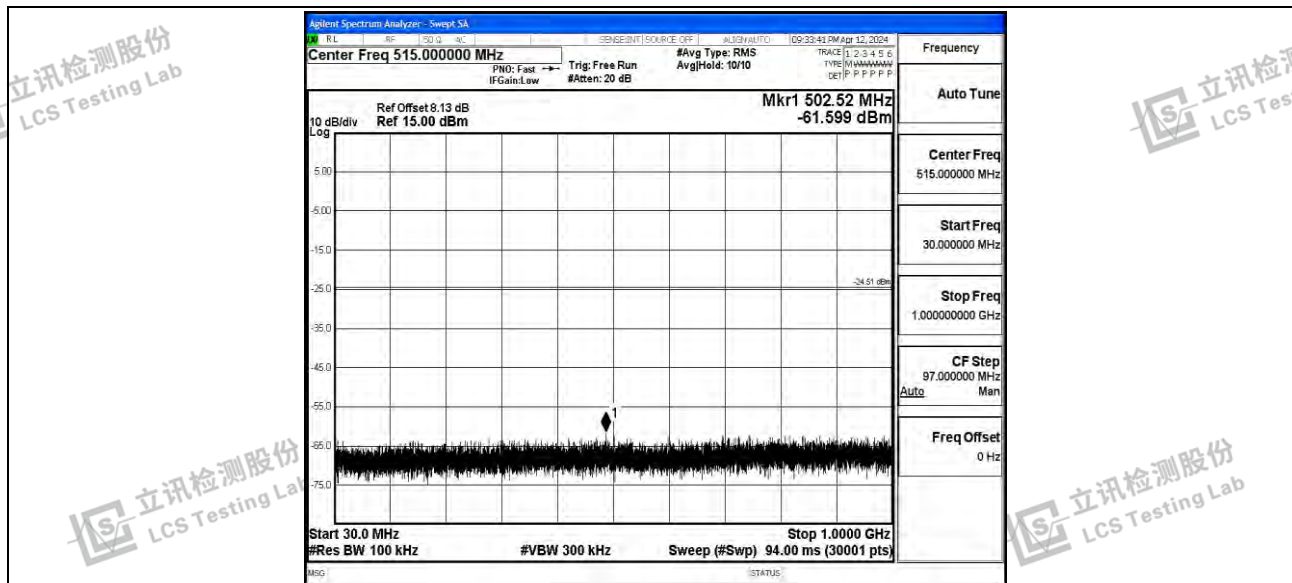


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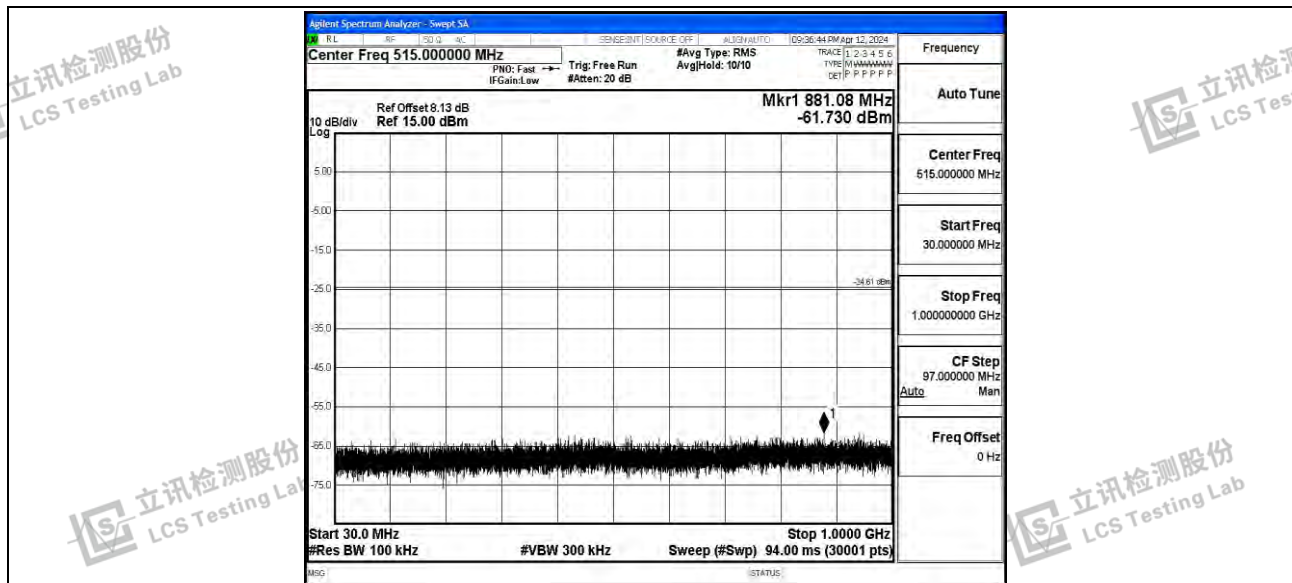


Shenzhen LCS Compliance Testing Laboratory Ltd.

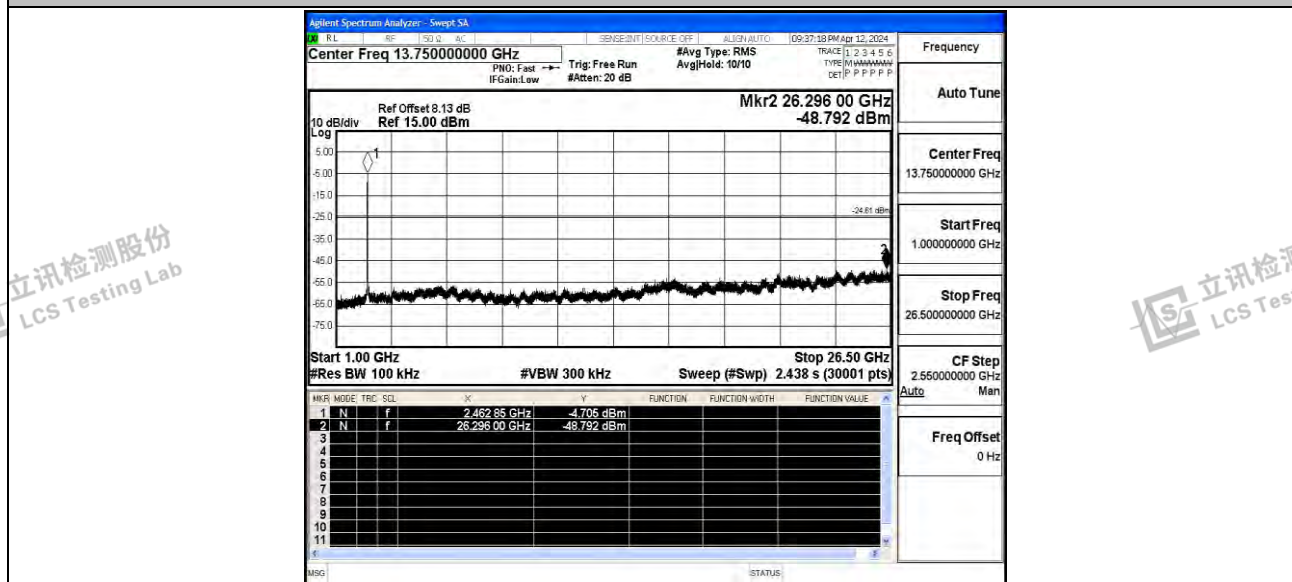
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N20SISO\_Ant\_2462\_1000~26500



11N40SISO\_Ant\_2422\_30~1000

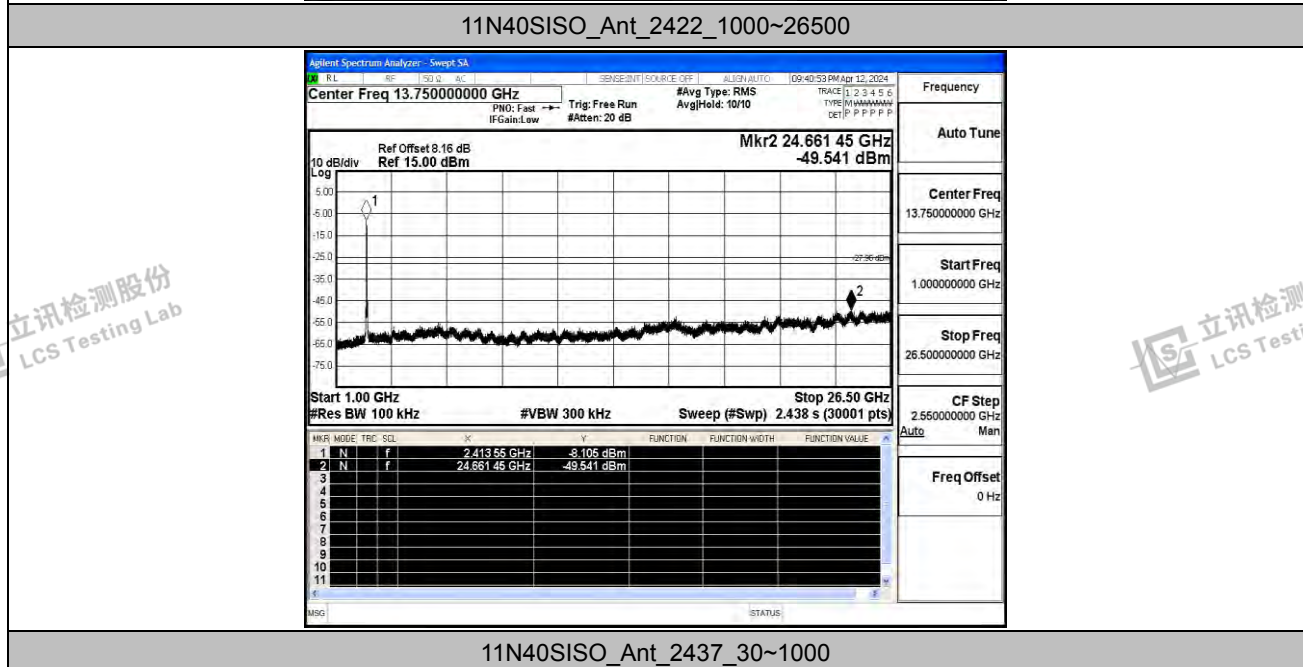
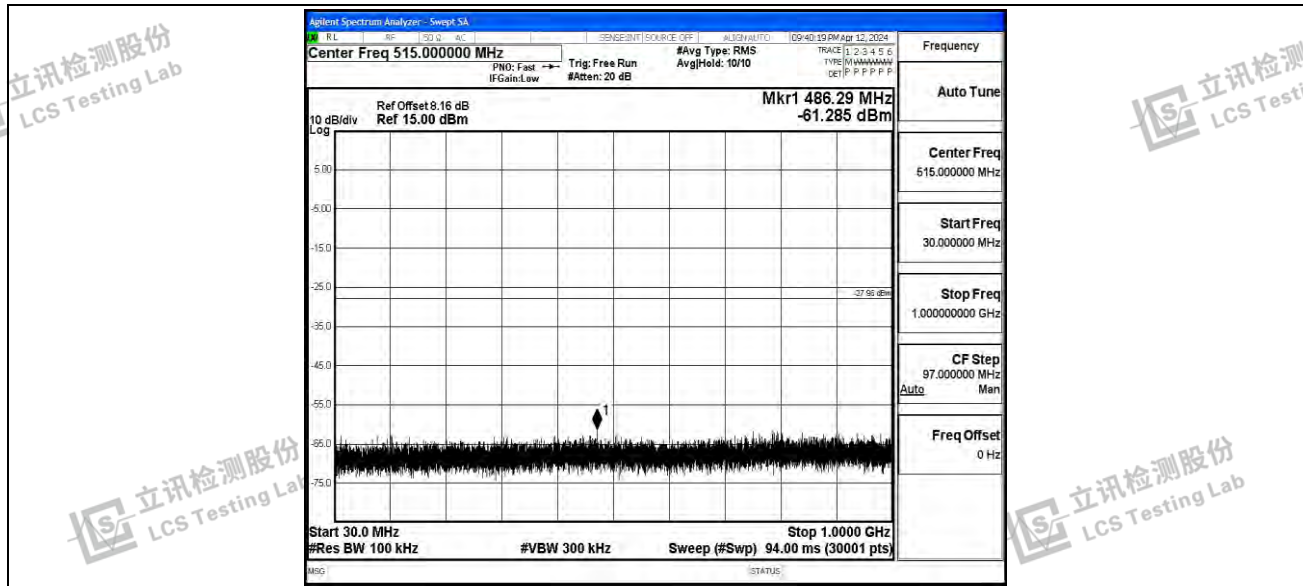


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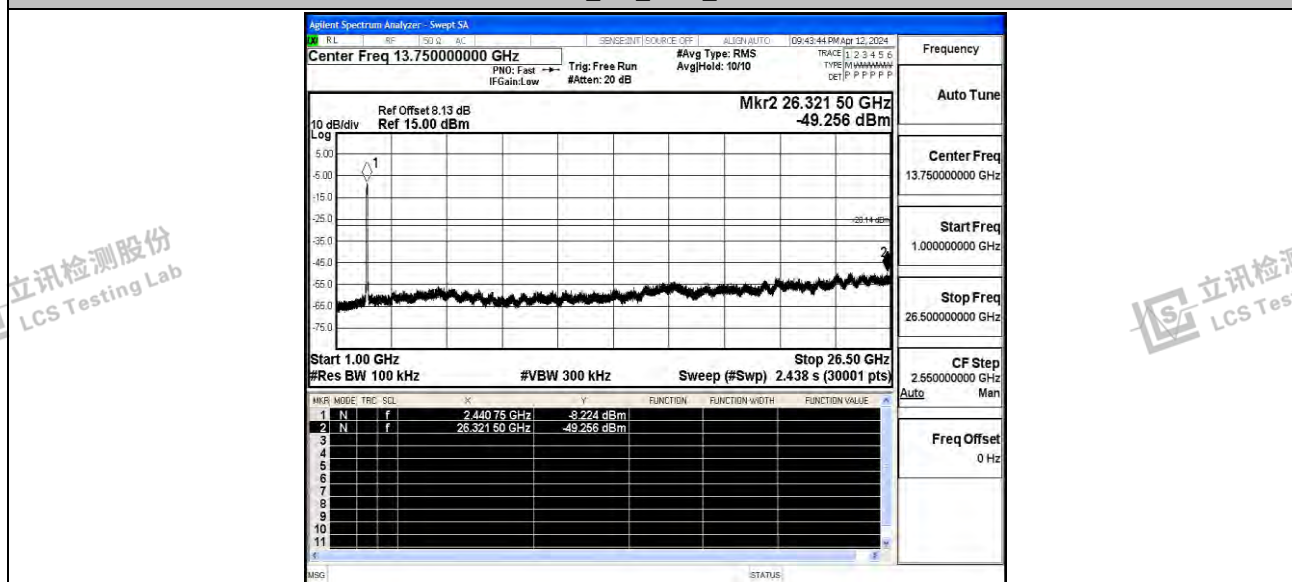
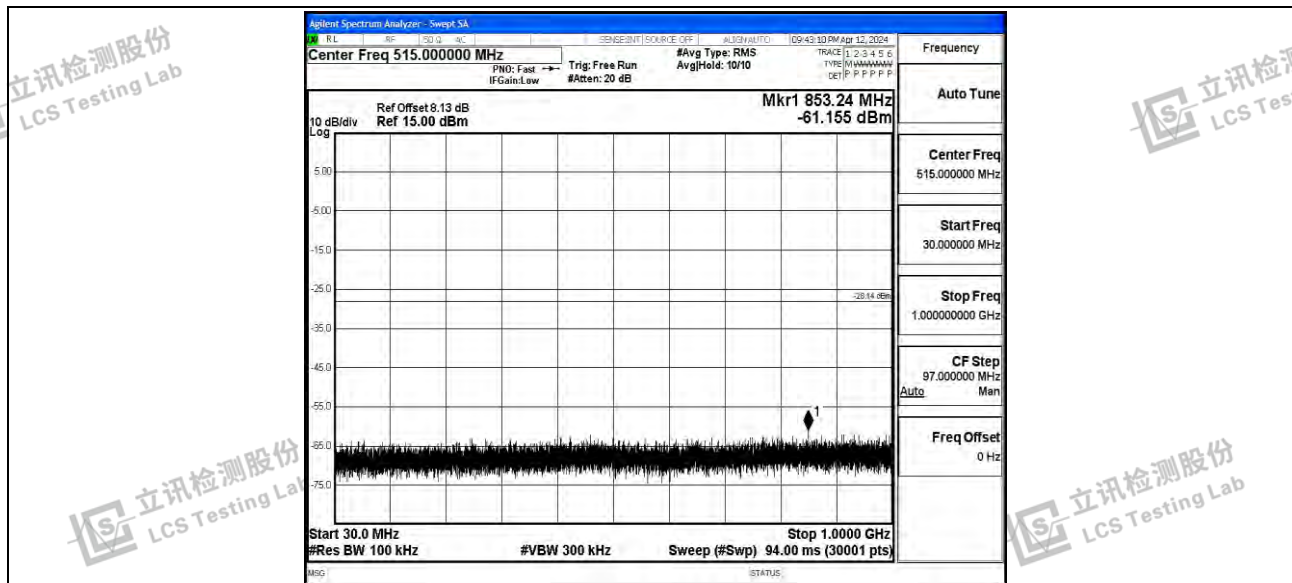


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Scan code to check authenticity

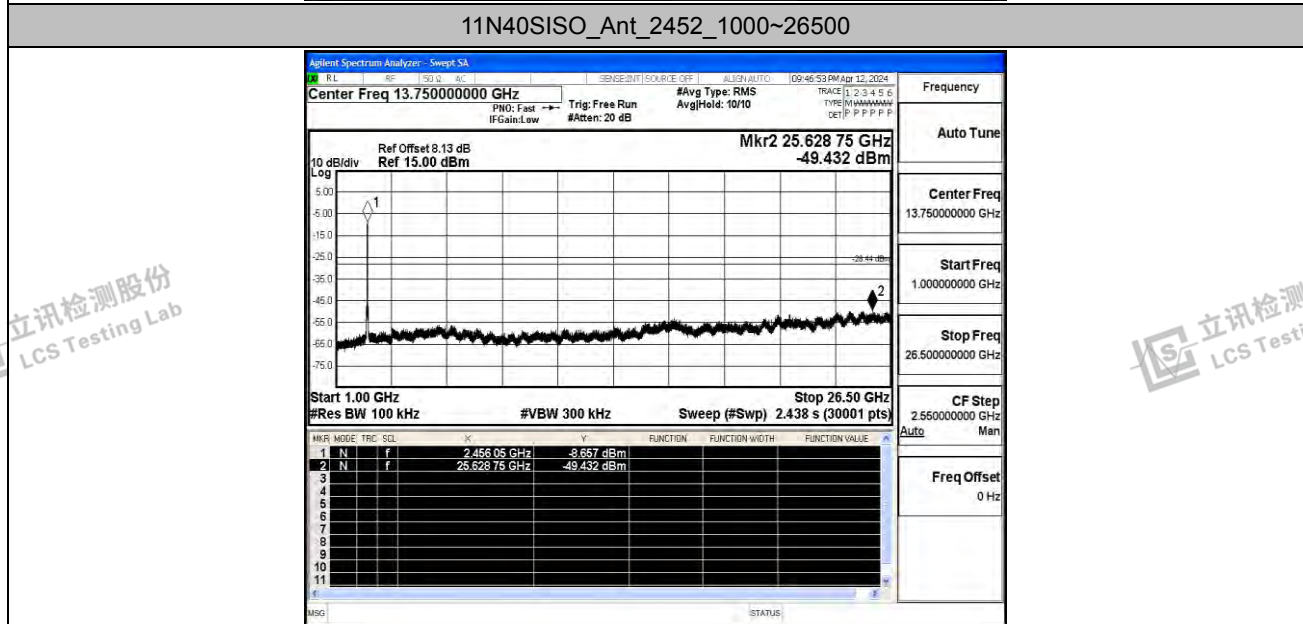
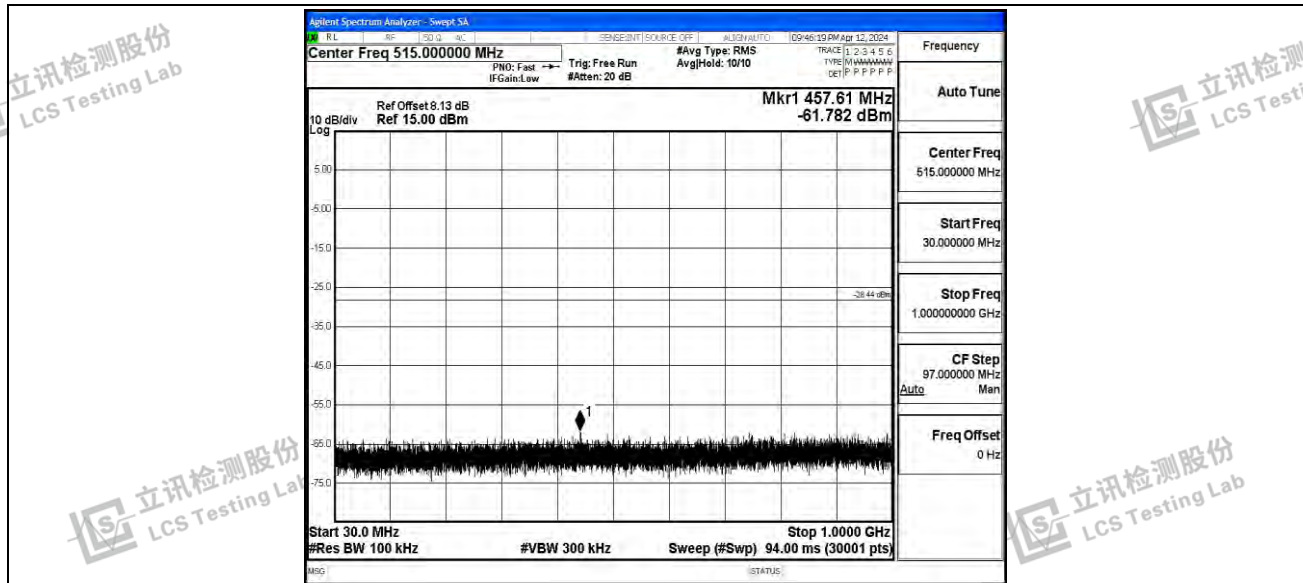


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## Reference level measurement

### Test Result

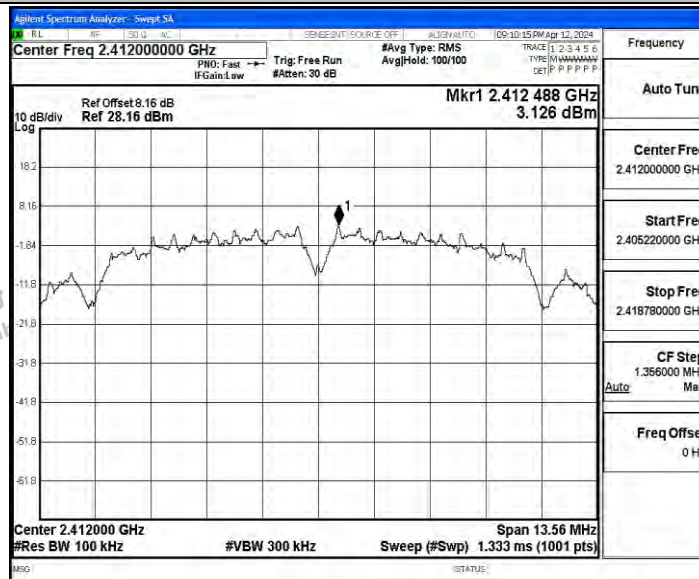
| TestMode  | Antenna | Freq(MHz) | Max.Point[MHz] | Result[dBm] |
|-----------|---------|-----------|----------------|-------------|
| 11B       | Ant     | 2412      | 2412.49        | 3.13        |
|           |         | 2437      | 2435.49        | 3.54        |
|           |         | 2462      | 2462.99        | 3.76        |
| 11G       | Ant     | 2412      | 2413.27        | -2.78       |
|           |         | 2437      | 2431.98        | -3.09       |
|           |         | 2462      | 2463.23        | -3.23       |
| 11N20SISO | Ant     | 2412      | 2416.99        | -3.86       |
|           |         | 2437      | 2442.00        | -4.51       |
|           |         | 2462      | 2464.48        | -4.61       |
| 11N40SISO | Ant     | 2422      | 2419.49        | -7.96       |
|           |         | 2437      | 2441.98        | -8.14       |
|           |         | 2452      | 2463.26        | -8.44       |



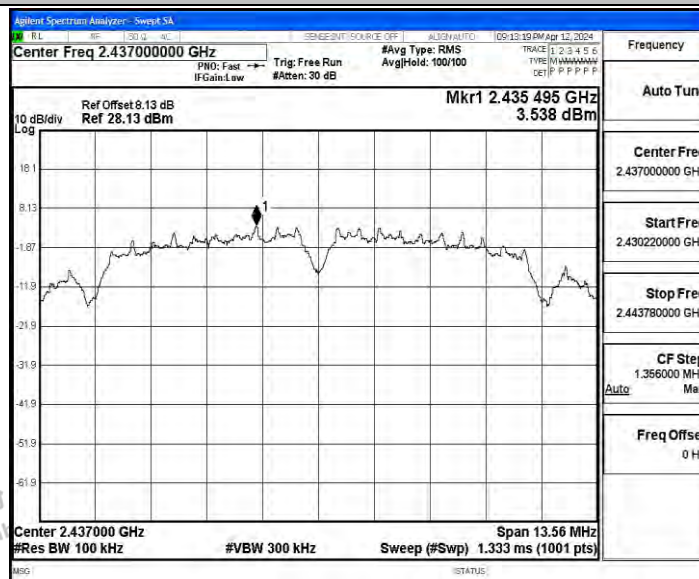


## Test Graphs

11B\_Ant\_2412



11B\_Ant\_2437



11B\_Ant\_2462

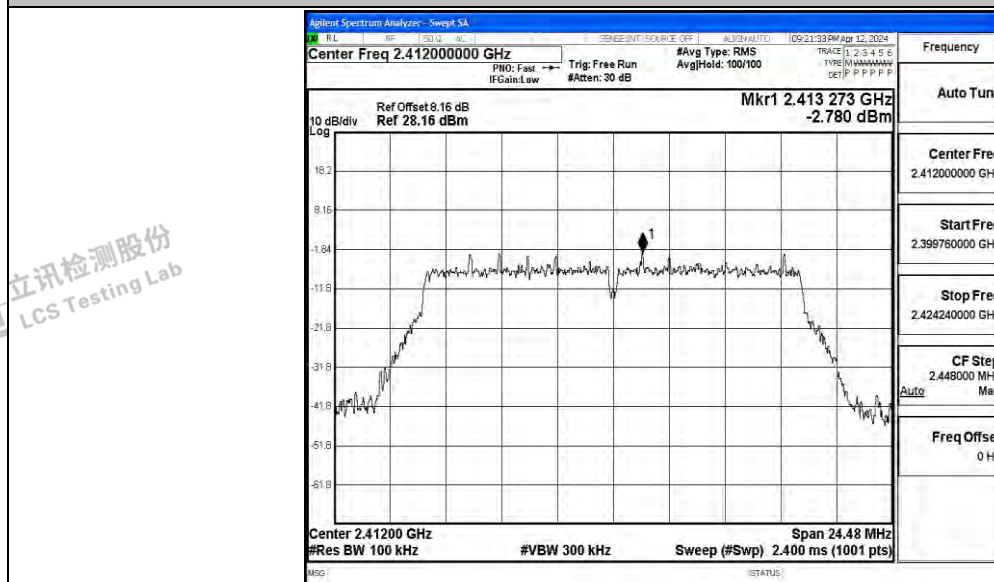
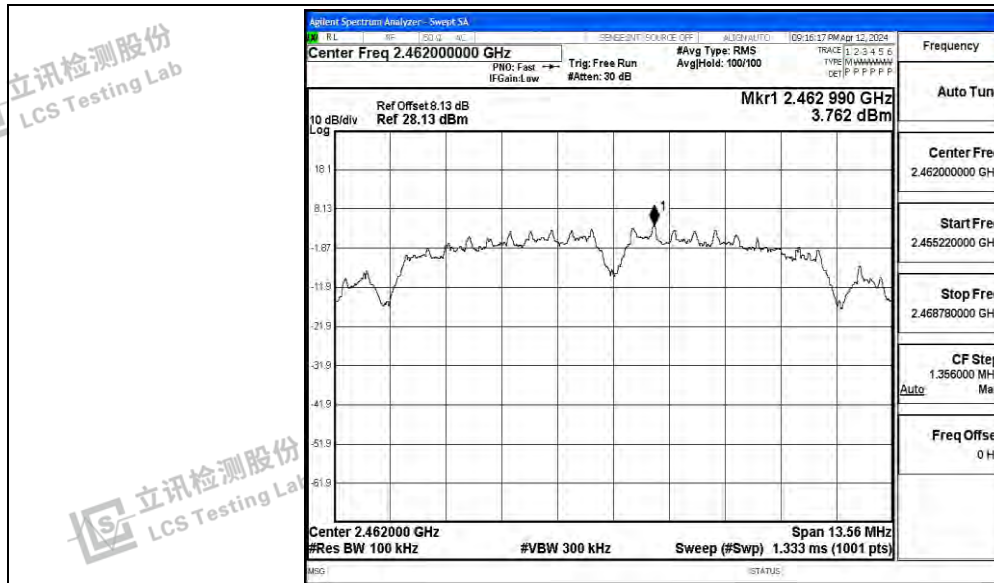


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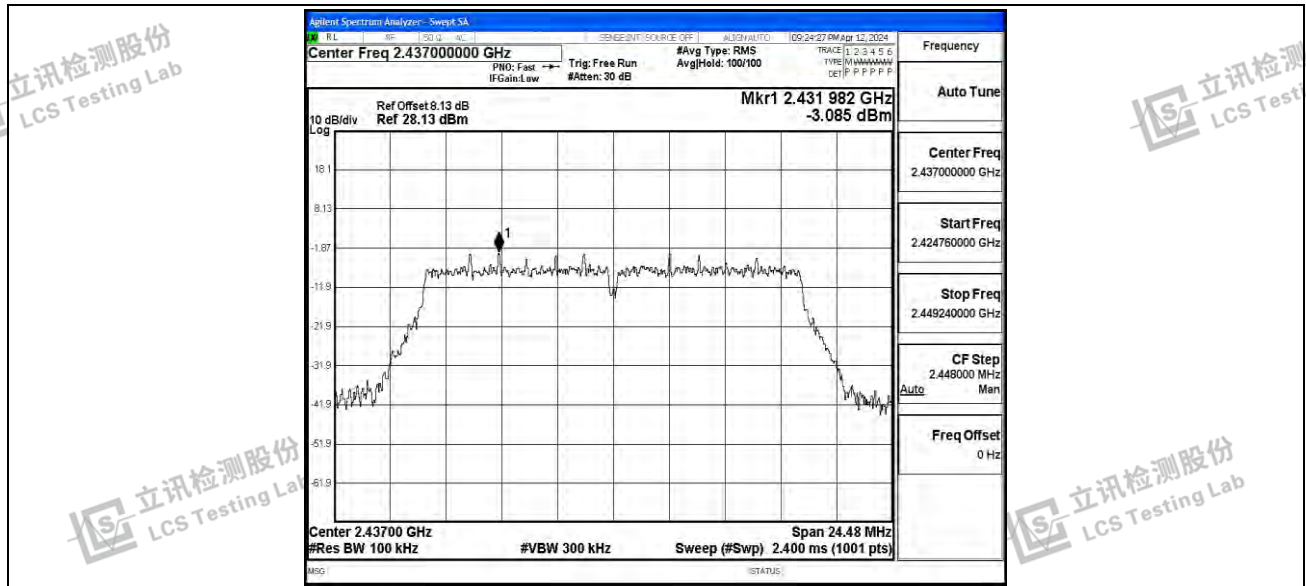


Shenzhen LCS Compliance Testing Laboratory Ltd.

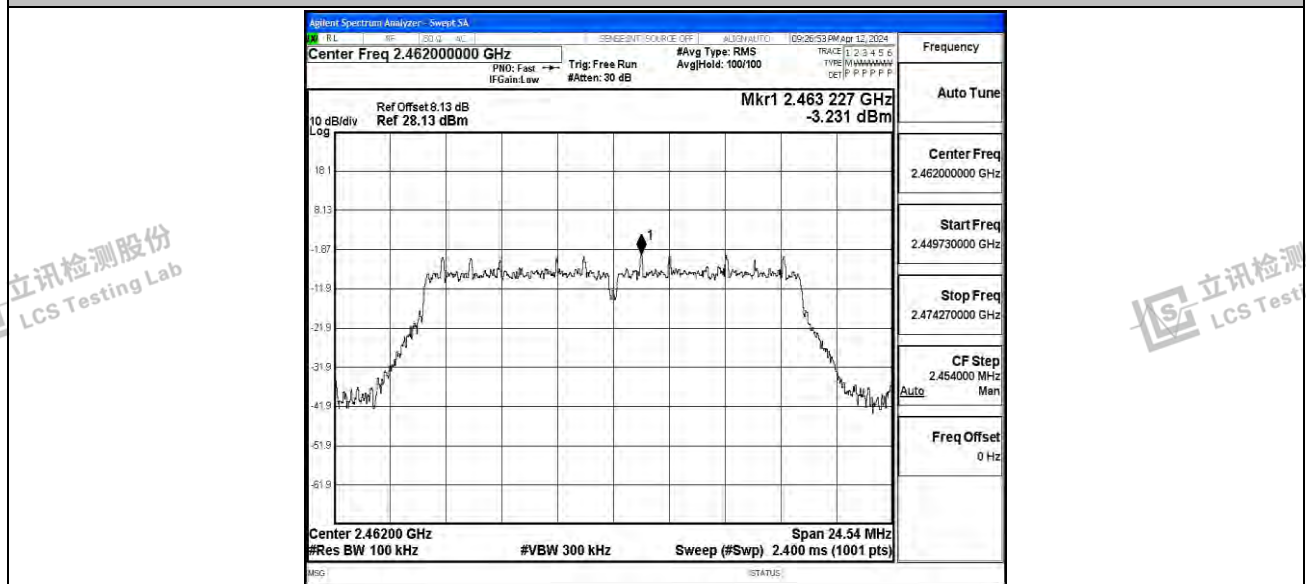
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11G\_Ant\_2462



11N20SISO\_Ant\_2412

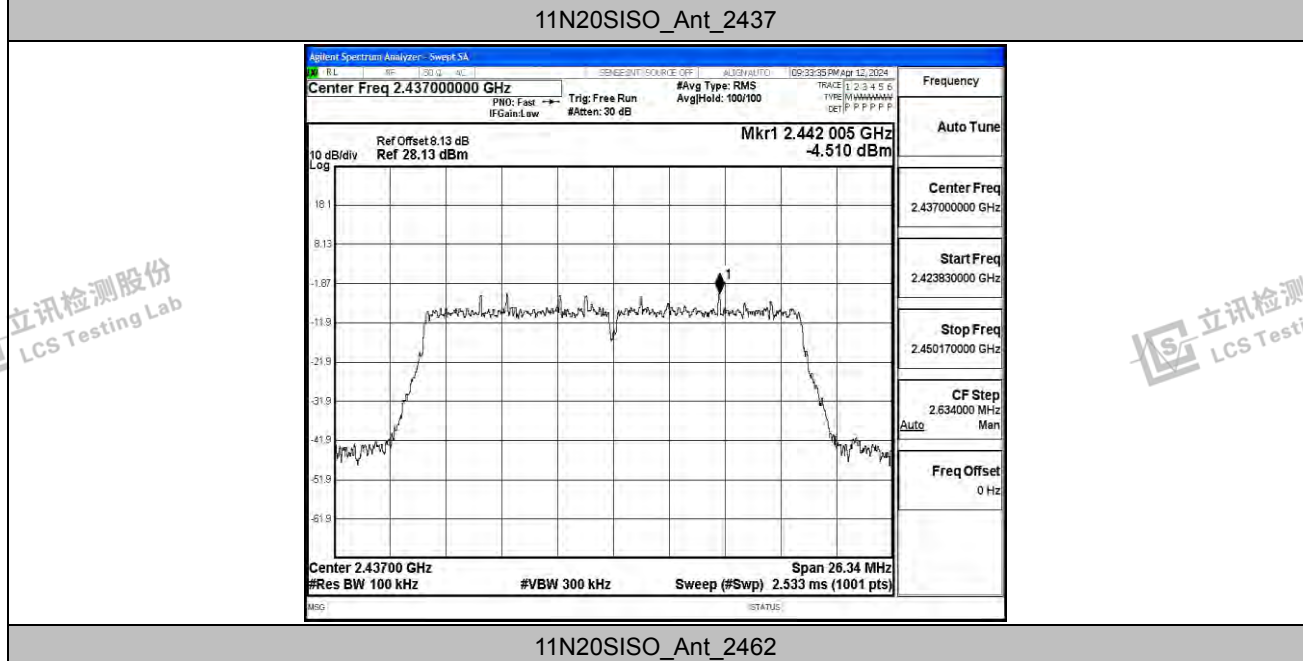
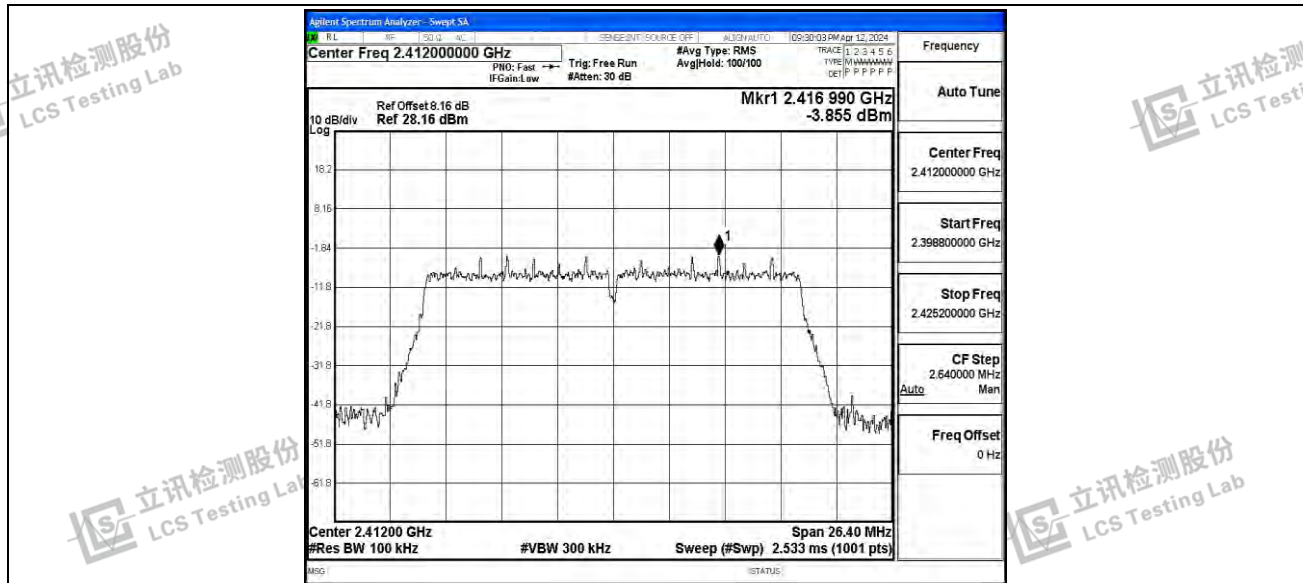


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity

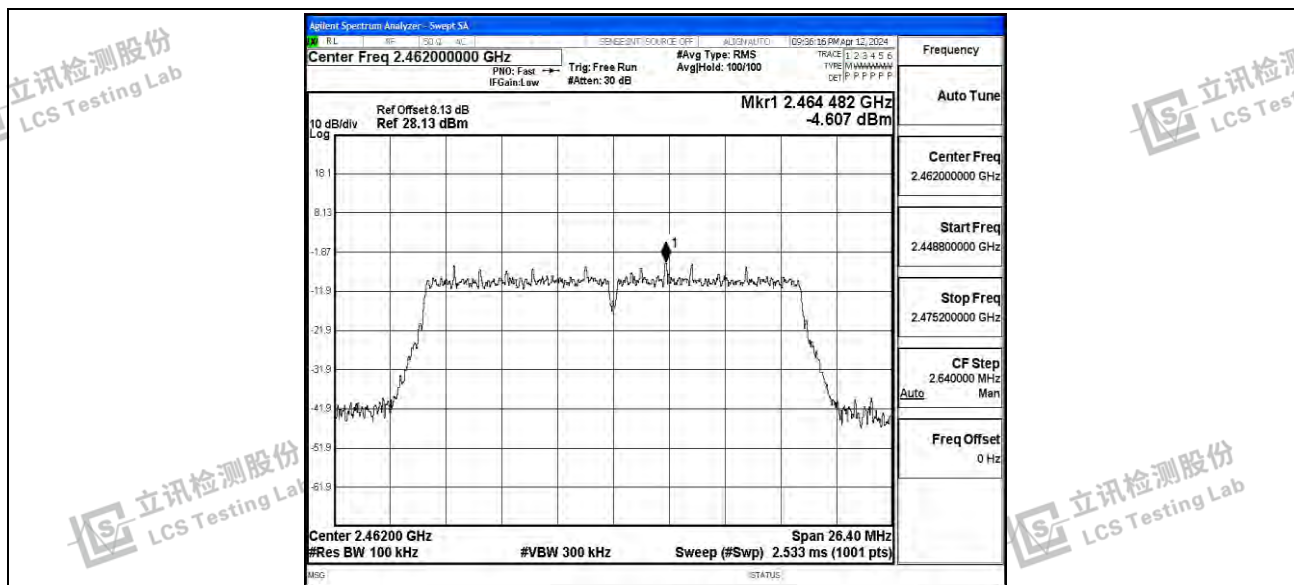


Shenzhen LCS Compliance Testing Laboratory Ltd.

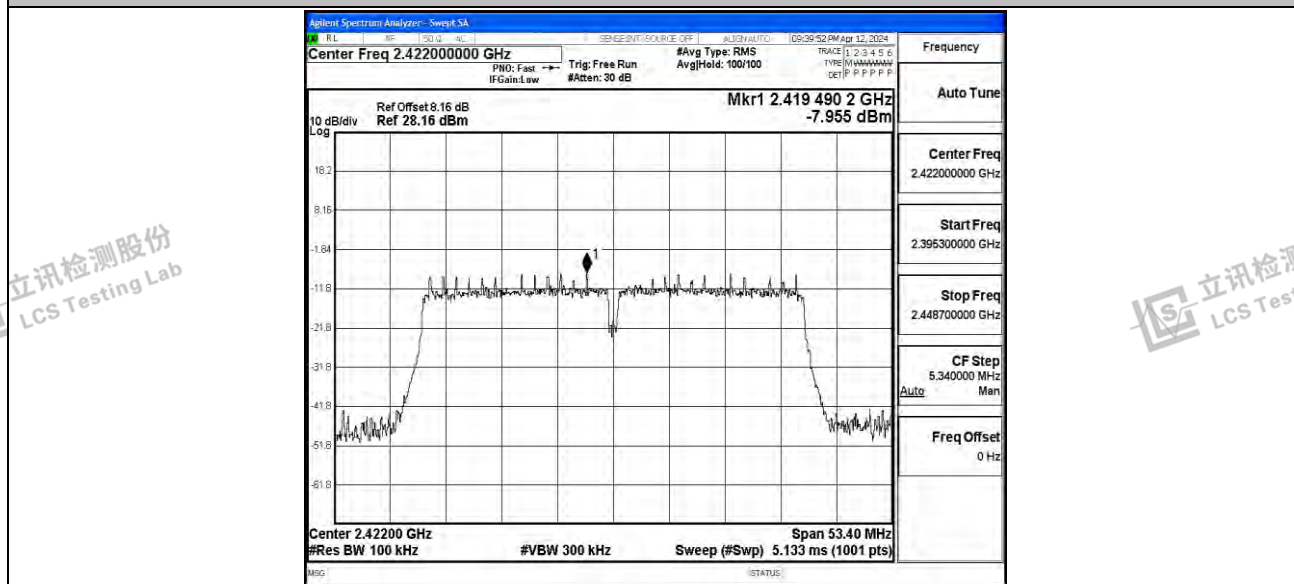
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity

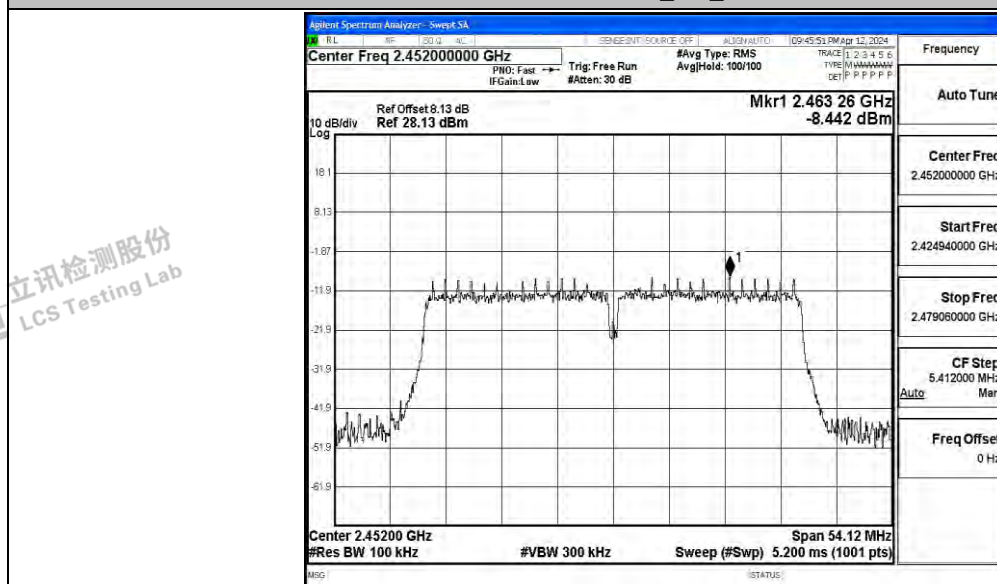
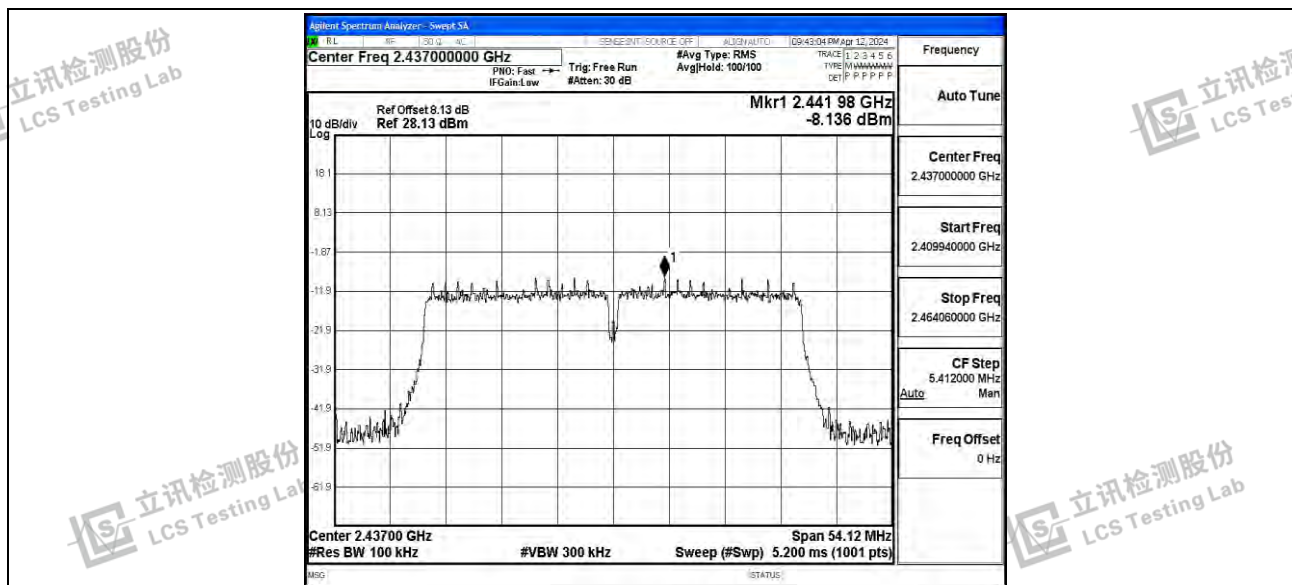


11N40SISO Ant 2422



11N40SISO\_Ant\_2437





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## B.6 Duty Cycle

### Test Result

| TestMode  | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Factor | 1/T Factor[kHz] | Verdict |
|-----------|---------|-----------|----------------------------|--------------------------|----------------|--------|-----------------|---------|
| 11B       | Ant     | 2412      | 4.19                       | 4.22                     | 99.29          | 0.03   | 0.24            | ---     |
|           |         | 2437      | 4.19                       | 4.22                     | 99.29          | 0.03   | 0.24            | ---     |
|           |         | 2462      | 4.19                       | 4.22                     | 99.29          | 0.03   | 0.24            | ---     |
| 11G       | Ant     | 2412      | 0.69                       | 0.73                     | 94.52          | 0.24   | 1.45            | ---     |
|           |         | 2437      | 0.69                       | 0.73                     | 94.52          | 0.24   | 1.45            | ---     |
|           |         | 2462      | 0.69                       | 0.73                     | 94.52          | 0.24   | 1.45            | ---     |
| 11N20SISO | Ant     | 2412      | 1.30                       | 1.34                     | 97.01          | 0.13   | 0.77            | ---     |
|           |         | 2437      | 1.30                       | 1.34                     | 97.01          | 0.13   | 0.77            | ---     |
|           |         | 2462      | 1.30                       | 1.34                     | 97.01          | 0.13   | 0.77            | ---     |
| 11N40SISO | Ant     | 2422      | 0.65                       | 0.68                     | 95.59          | 0.20   | 1.54            | ---     |
|           |         | 2437      | 0.65                       | 0.68                     | 95.59          | 0.20   | 1.54            | ---     |
|           |         | 2452      | 0.64                       | 0.68                     | 94.12          | 0.26   | 1.56            | ---     |



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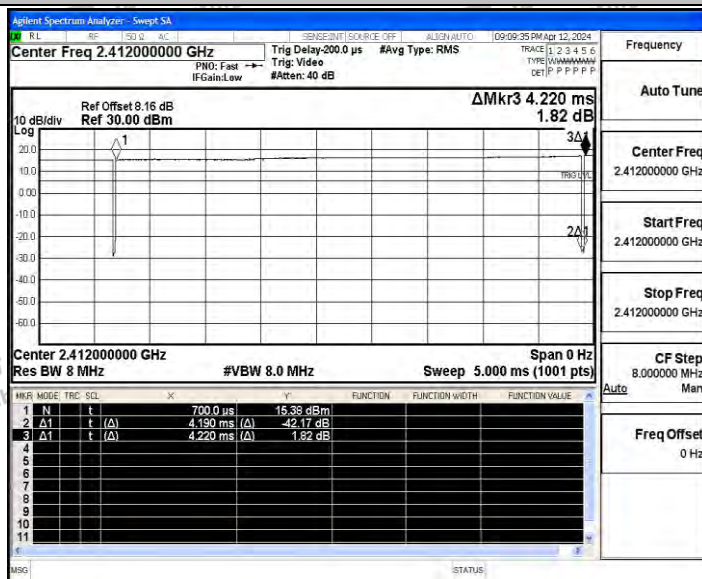
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

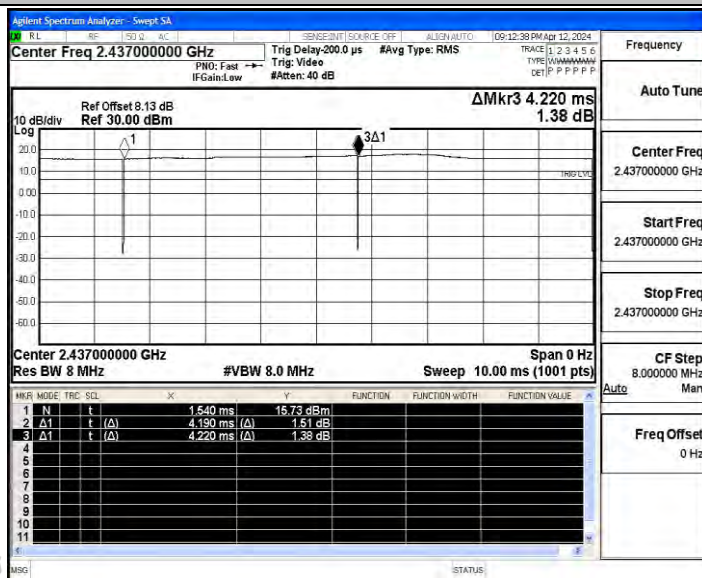


## Test Graphs

11B\_Ant\_2412



11B\_Ant\_2437



11B\_Ant\_2462

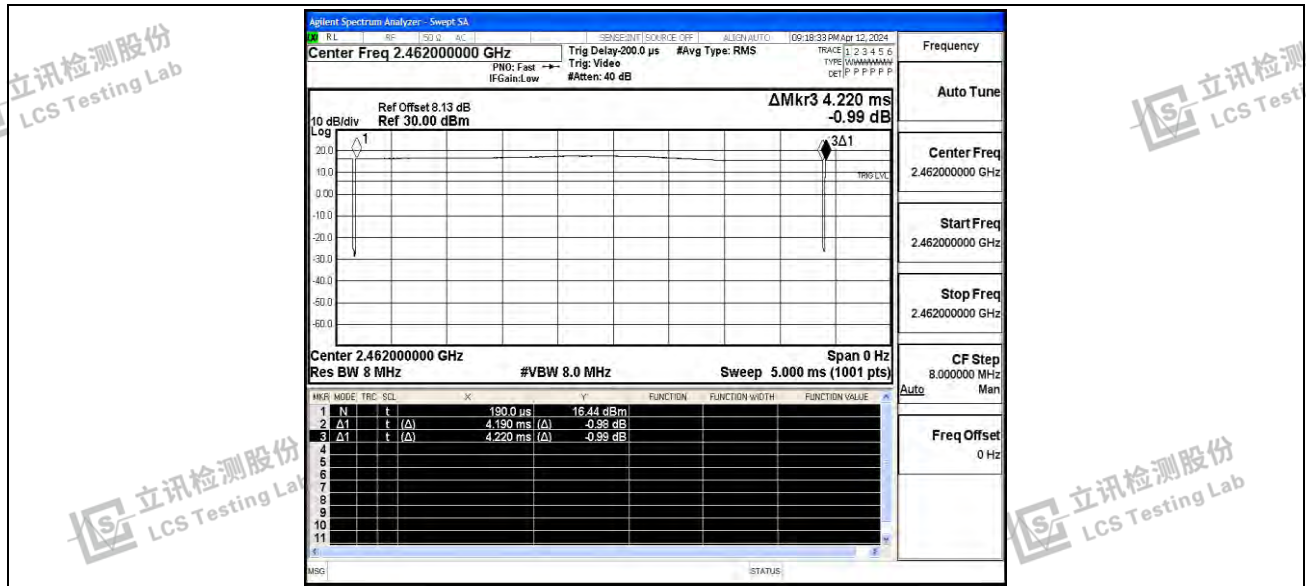


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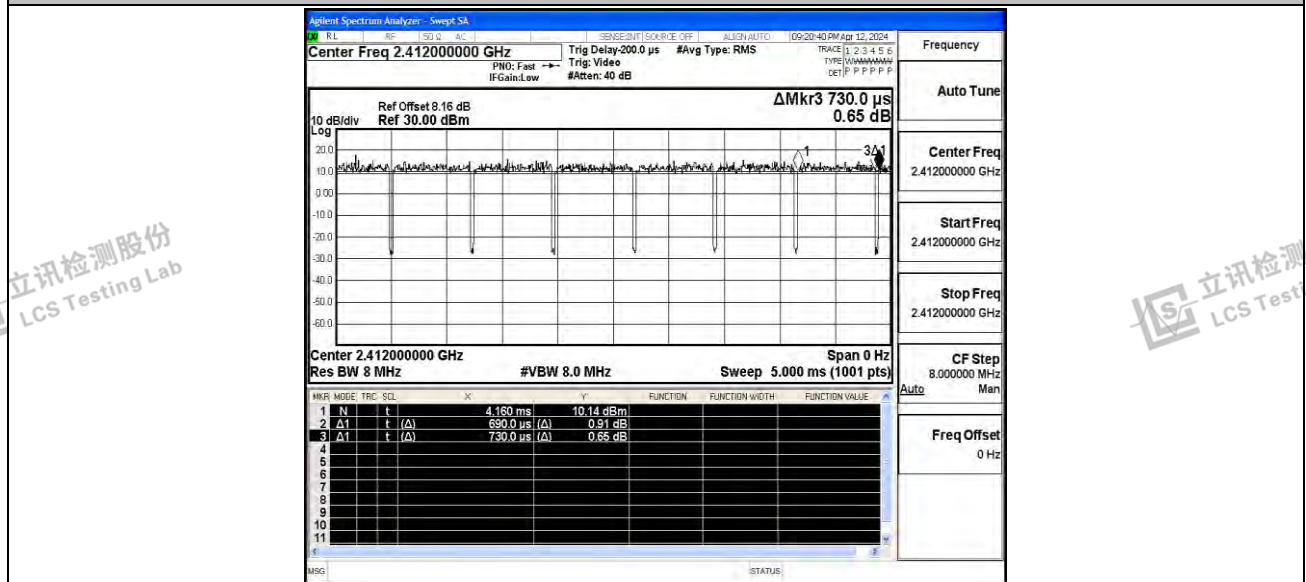
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11G\_Ant\_2412



11G\_Ant\_2437

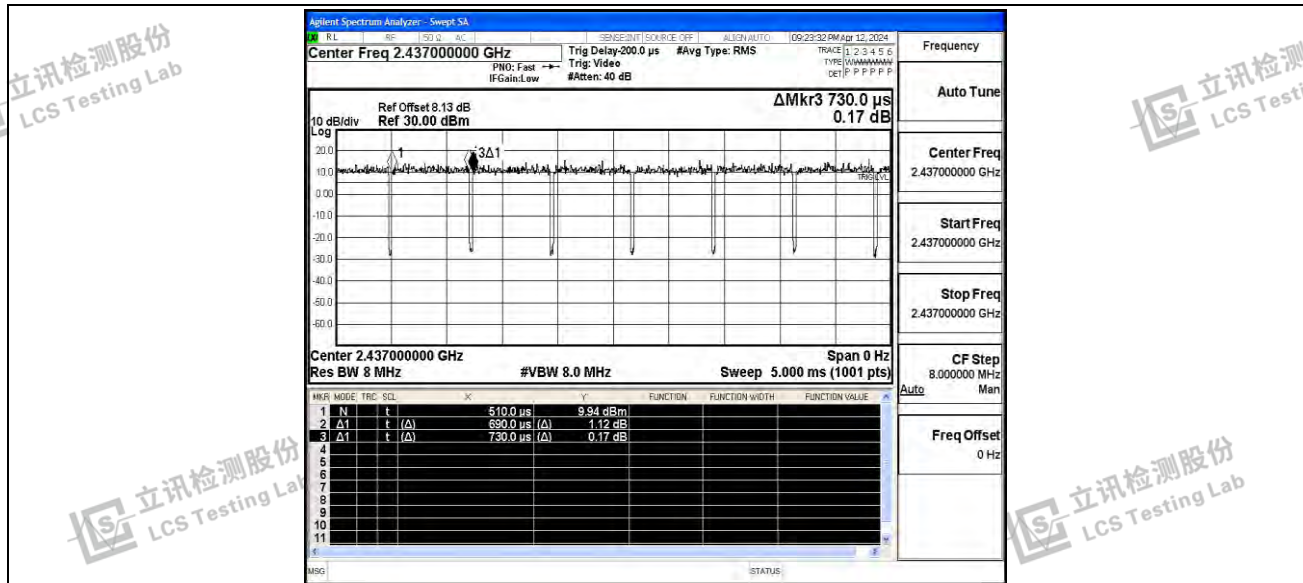


Shenzhen LCS Compliance Testing Laboratory Ltd.

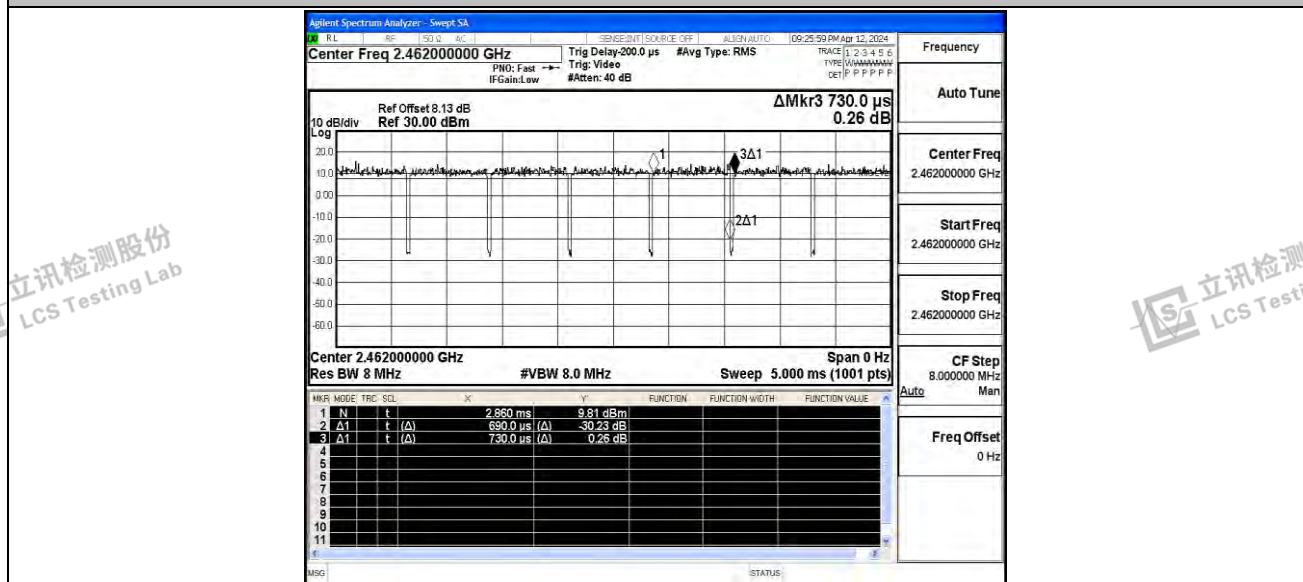
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11G\_Ant\_2462



11N20SISO\_Ant\_2412

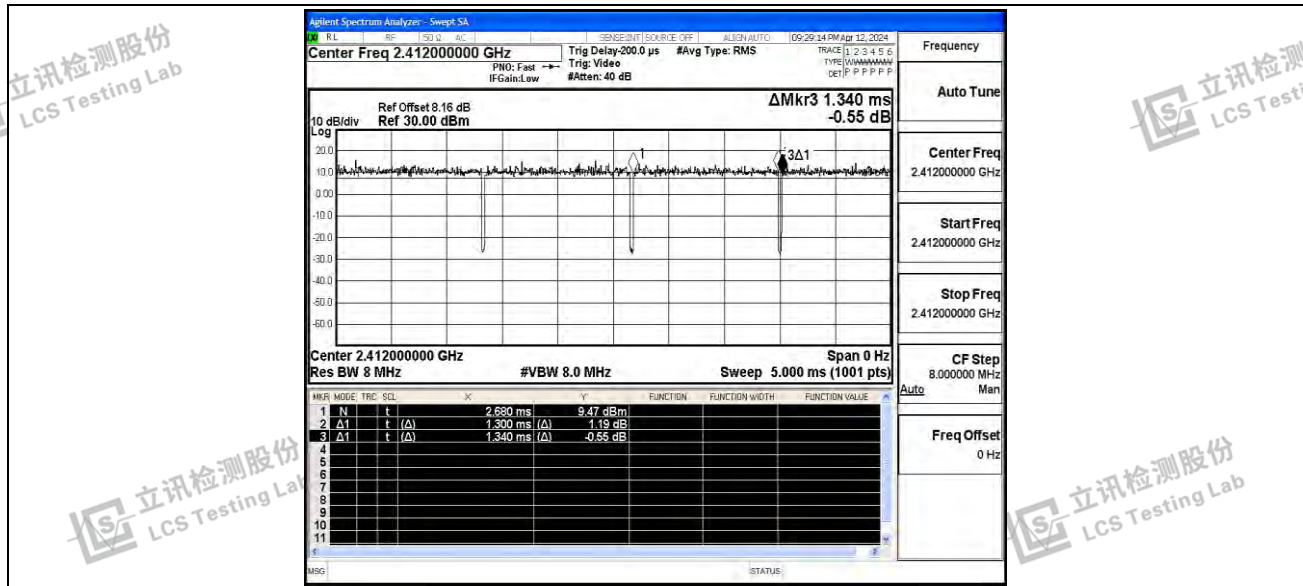


Shenzhen LCS Compliance Testing Laboratory Ltd.

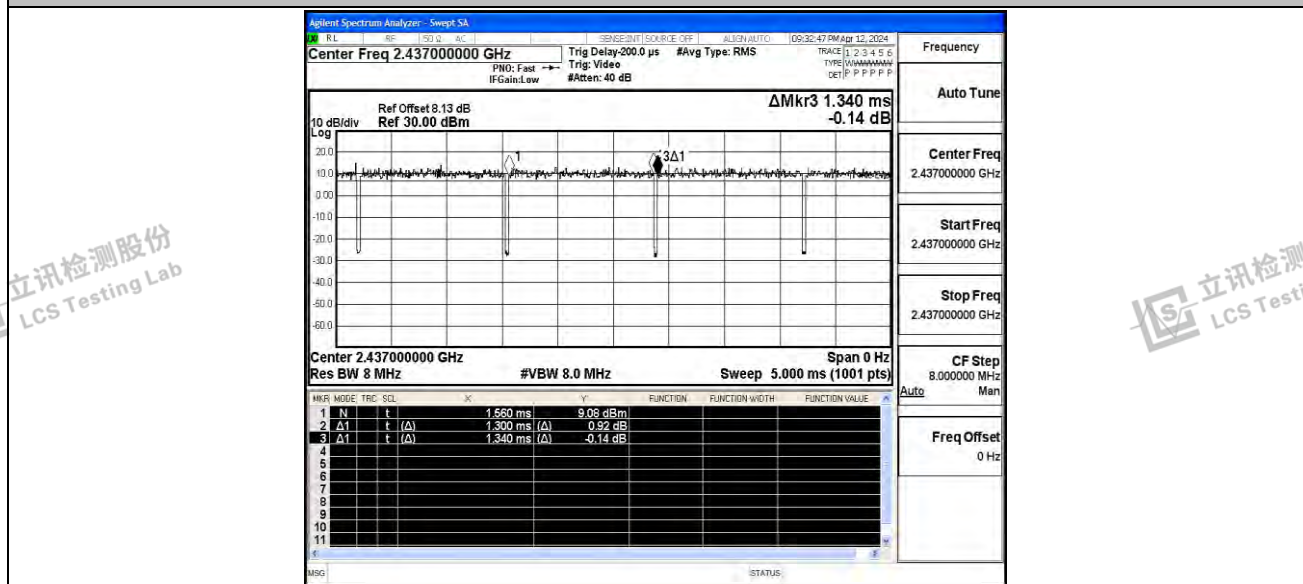
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N20SISO\_Ant\_2437



11N20SISO\_Ant\_2462

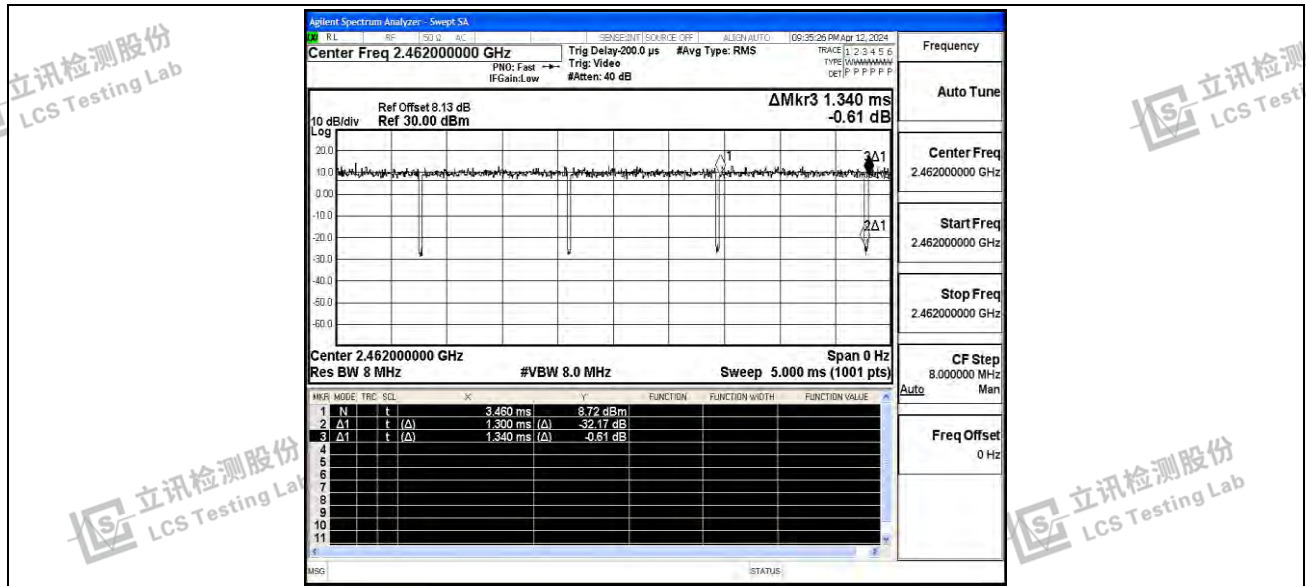


Shenzhen LCS Compliance Testing Laboratory Ltd.

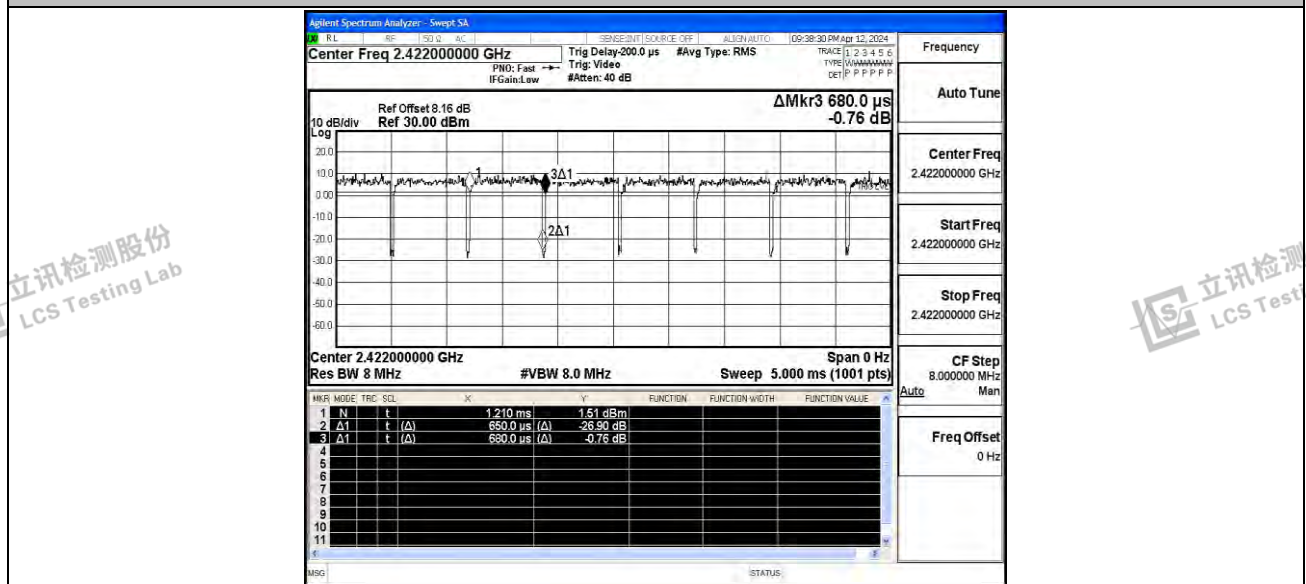
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N40SISO\_Ant\_2422



11N40SISO\_Ant\_2437

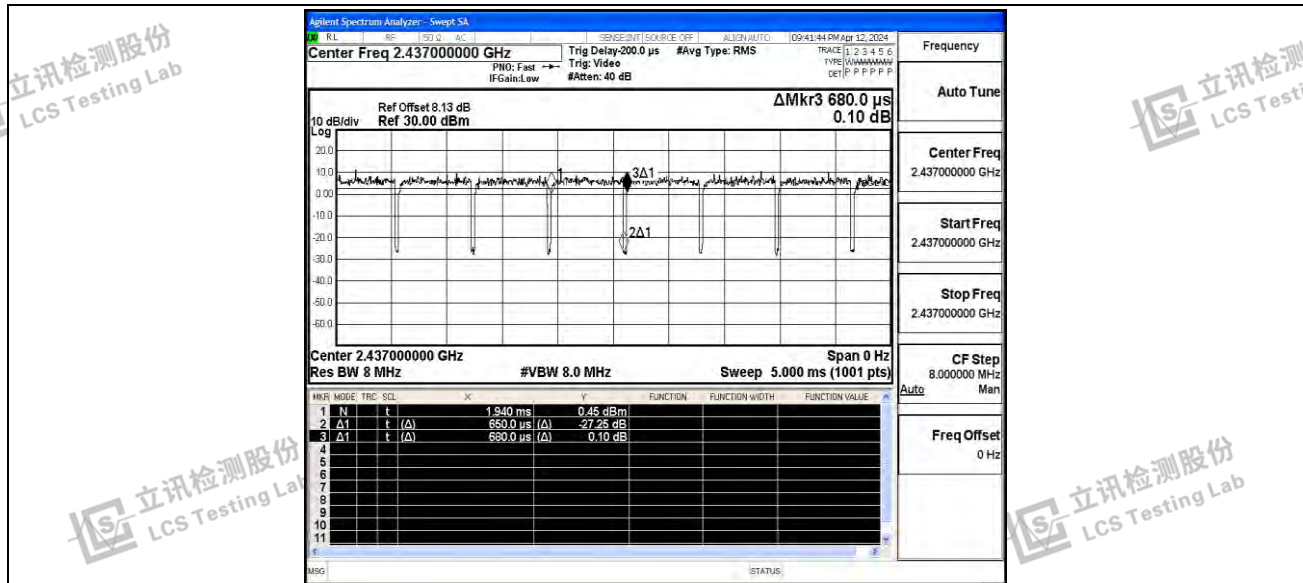


Shenzhen LCS Compliance Testing Laboratory Ltd.

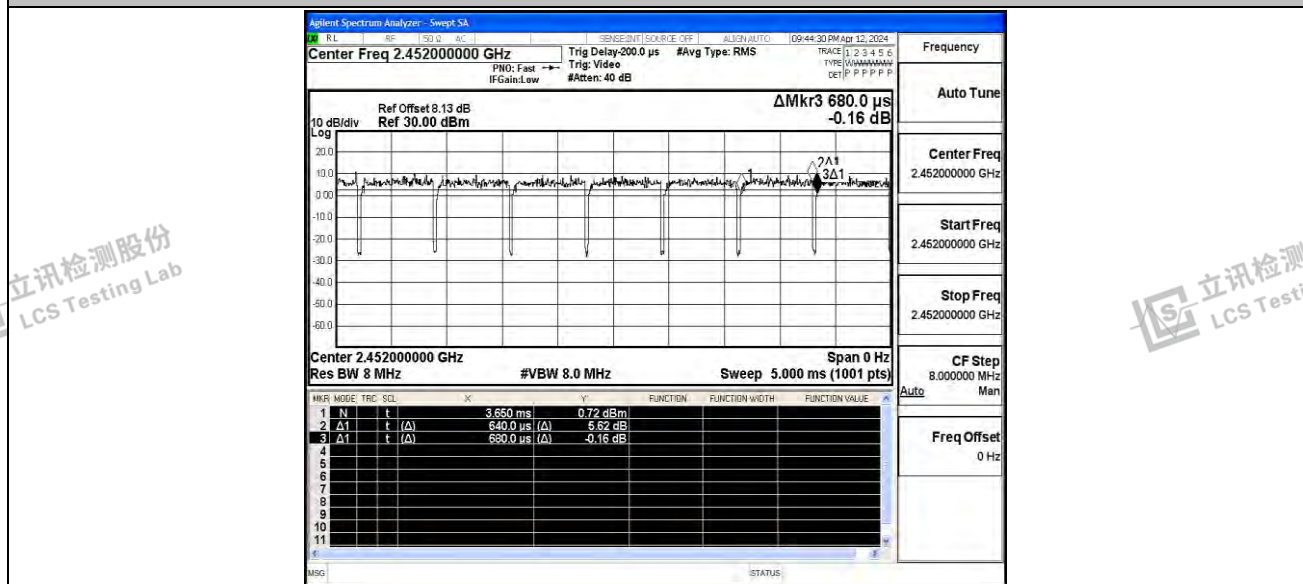
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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## 11N40SISO\_Ant\_2452



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## B.7 Emissions in Restricted Bands

### Test Result

| TestMode      | Antenna | Channel Name | Freq(MHz) | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|---------------|---------|--------------|-----------|----------|------------|--------------|-------------|-----------------|----------------|---------|
| 11B           | Ant     | Low          | 2412      | AV       | 2310.000   | -50.24       | ≤-41.20     | 44.96           | ≤54            | PASS    |
|               |         |              |           | AV       | 2389.700   | -48.31       | ≤-41.20     | 46.89           | ≤54            | PASS    |
|               |         |              |           | AV       | 2390.000   | -48.73       | ≤-41.20     | 46.47           | ≤54            | PASS    |
|               |         |              |           | Peak     | 2310.000   | -40.84       | ≤-21.20     | 54.36           | ≤74            | PASS    |
|               |         |              |           | Peak     | 2387.620   | -38.82       | ≤-21.20     | 56.38           | ≤74            | PASS    |
|               |         |              |           | Peak     | 2390.000   | -40.17       | ≤-21.20     | 55.03           | ≤74            | PASS    |
|               |         | High         | 2462      | AV       | 2483.500   | -48.36       | ≤-41.20     | 46.84           | ≤54            | PASS    |
|               |         |              |           | AV       | 2488.620   | -48.07       | ≤-41.20     | 47.13           | ≤54            | PASS    |
|               |         |              |           | AV       | 2500.000   | -49.69       | ≤-41.20     | 45.51           | ≤54            | PASS    |
|               |         |              |           | Peak     | 2483.500   | -39.97       | ≤-21.20     | 55.23           | ≤74            | PASS    |
|               |         |              |           | Peak     | 2488.620   | -38.67       | ≤-21.20     | 56.53           | ≤74            | PASS    |
| 11G           | Ant     | Low          | 2412      | AV       | 2310.000   | -50.05       | ≤-41.20     | 45.15           | ≤54            | PASS    |
|               |         |              |           | AV       | 2389.570   | -46.65       | ≤-41.20     | 48.55           | ≤54            | PASS    |
|               |         |              |           | AV       | 2390.000   | -46.77       | ≤-41.20     | 48.43           | ≤54            | PASS    |
|               |         |              |           | Peak     | 2310.000   | -42.49       | ≤-21.20     | 52.71           | ≤74            | PASS    |
|               |         |              |           | Peak     | 2389.960   | -34.4        | ≤-21.20     | 60.80           | ≤74            | PASS    |
|               |         |              |           | Peak     | 2390.000   | -34.4        | ≤-21.20     | 60.80           | ≤74            | PASS    |
|               |         | High         | 2462      | AV       | 2483.500   | -45.43       | ≤-41.20     | 49.77           | ≤54            | PASS    |
|               |         |              |           | AV       | 2483.670   | -45.15       | ≤-41.20     | 50.05           | ≤54            | PASS    |
|               |         |              |           | AV       | 2500.000   | -48.6        | ≤-41.20     | 46.60           | ≤54            | PASS    |
|               |         |              |           | Peak     | 2483.500   | -29.7        | ≤-21.20     | 65.50           | ≤74            | PASS    |
|               |         |              |           | Peak     | 2483.560   | -29.7        | ≤-21.20     | 65.50           | ≤74            | PASS    |
| 11N20SI<br>SO | Ant     | Low          | 2412      | AV       | 2310.000   | -49.7        | ≤-41.20     | 45.50           | ≤54            | PASS    |
|               |         |              |           | AV       | 2389.570   | -46.51       | ≤-41.20     | 48.69           | ≤54            | PASS    |
|               |         |              |           | AV       | 2390.000   | -47.7        | ≤-41.20     | 47.50           | ≤54            | PASS    |
|               |         |              |           | Peak     | 2310.000   | -42.51       | ≤-21.20     | 52.69           | ≤74            | PASS    |
|               |         |              |           | Peak     | 2389.570   | -34.21       | ≤-21.20     | 60.99           | ≤74            | PASS    |
|               |         |              |           | Peak     | 2390.000   | -36.33       | ≤-21.20     | 58.87           | ≤74            | PASS    |
|               |         | High         | 2462      | AV       | 2483.500   | -47.39       | ≤-41.20     | 47.81           | ≤54            | PASS    |
|               |         |              |           | AV       | 2484.440   | -46.71       | ≤-41.20     | 48.49           | ≤54            | PASS    |
|               |         |              |           | AV       | 2500.000   | -48.85       | ≤-41.20     | 46.35           | ≤54            | PASS    |
|               |         |              |           | Peak     | 2483.500   | -35.46       | ≤-21.20     | 59.74           | ≤74            | PASS    |
|               |         |              |           | Peak     | 2484.440   | -34.31       | ≤-21.20     | 60.89           | ≤74            | PASS    |
| 11N40SI       | Ant     | Low          | 2422      | AV       | 2310.000   | -49.56       | ≤-41.20     | 45.64           | ≤54            | PASS    |



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|    |  |      |      |      |          |        |               |       |           |      |
|----|--|------|------|------|----------|--------|---------------|-------|-----------|------|
| SO |  |      |      | AV   | 2389.700 | -45.38 | $\leq -41.20$ | 49.82 | $\leq 54$ | PASS |
|    |  |      |      | AV   | 2390.000 | -46.04 | $\leq -41.20$ | 49.16 | $\leq 54$ | PASS |
|    |  |      |      | Peak | 2310.000 | -41.91 | $\leq -21.20$ | 53.29 | $\leq 74$ | PASS |
|    |  |      |      | Peak | 2389.050 | -30.22 | $\leq -21.20$ | 64.98 | $\leq 74$ | PASS |
|    |  |      |      | Peak | 2390.000 | -38.27 | $\leq -21.20$ | 56.93 | $\leq 74$ | PASS |
|    |  | High | 2452 | AV   | 2483.500 | -46.2  | $\leq -41.20$ | 49.00 | $\leq 54$ | PASS |
|    |  |      |      | AV   | 2484.440 | -45.32 | $\leq -41.20$ | 49.88 | $\leq 54$ | PASS |
|    |  |      |      | AV   | 2500.000 | -47.68 | $\leq -41.20$ | 47.52 | $\leq 54$ | PASS |
|    |  |      |      | Peak | 2483.500 | -30.34 | $\leq -21.20$ | 64.86 | $\leq 74$ | PASS |
|    |  |      |      | Peak | 2486.090 | -27.95 | $\leq -21.20$ | 67.25 | $\leq 74$ | PASS |
|    |  |      |      | Peak | 2500.000 | -41.36 | $\leq -21.20$ | 53.84 | $\leq 74$ | PASS |

## Note:

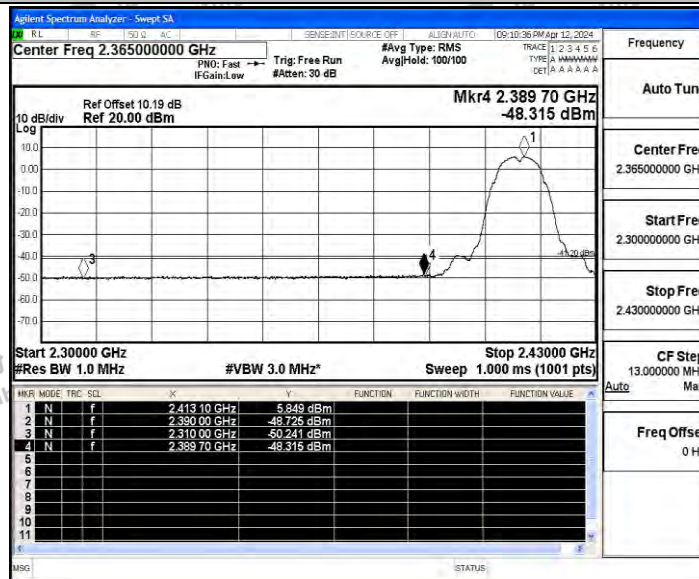
1. The Antenna Gain is compensated in the graph. The Correction Factor is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



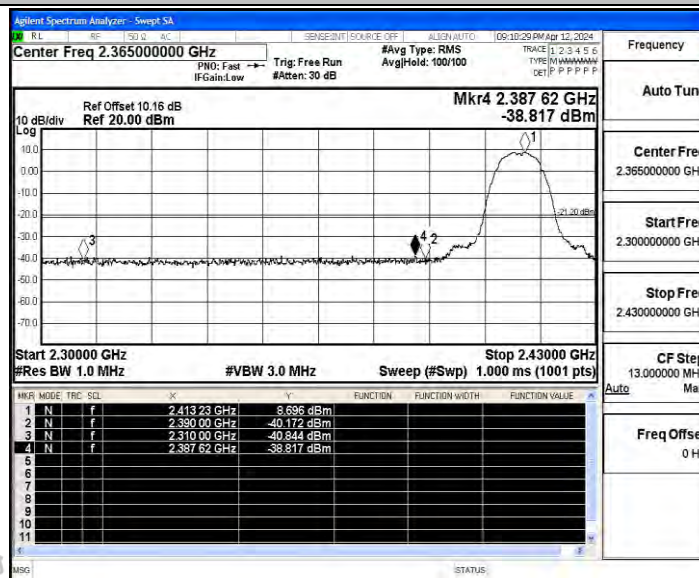


## Test Graphs

11B\_Ant\_Low\_2412\_AV



11B\_Ant\_Low\_2412\_Peak



11B\_Ant\_High\_2462\_AV

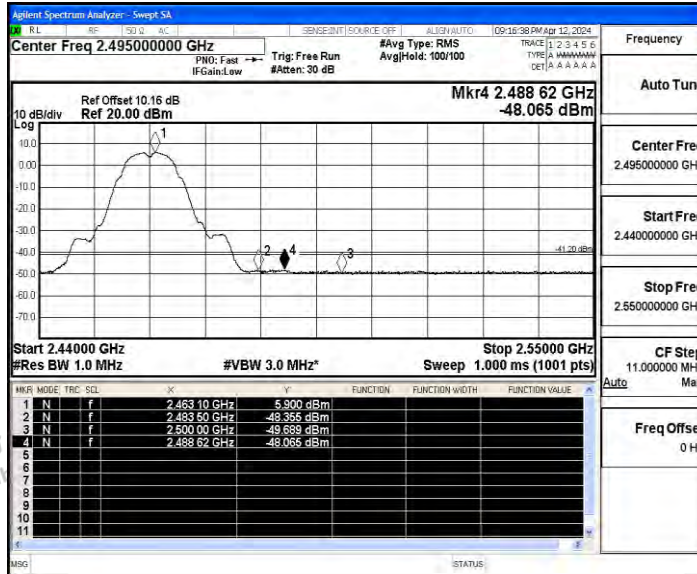


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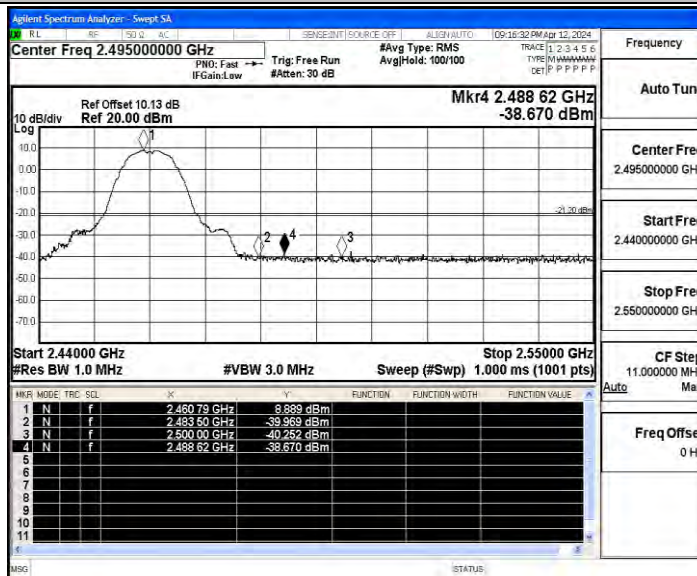
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11B\_Ant\_High\_2462\_Peak



11G\_Ant\_Low\_2412\_AV

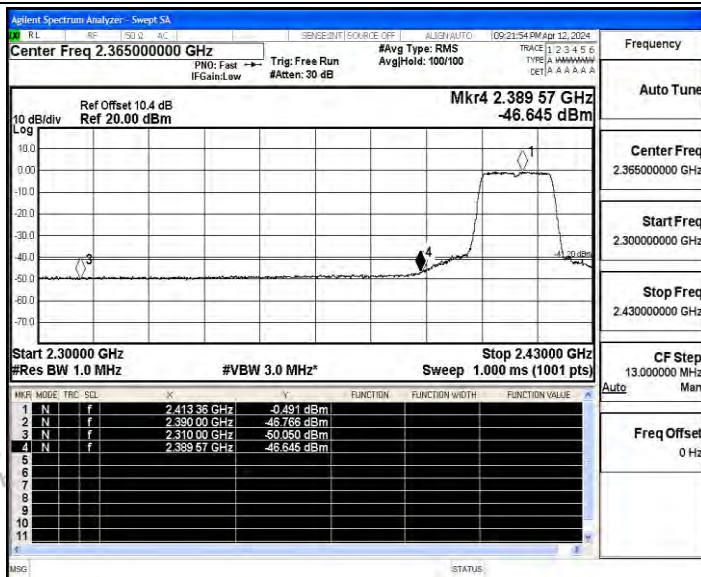


Shenzhen LCS Compliance Testing Laboratory Ltd.

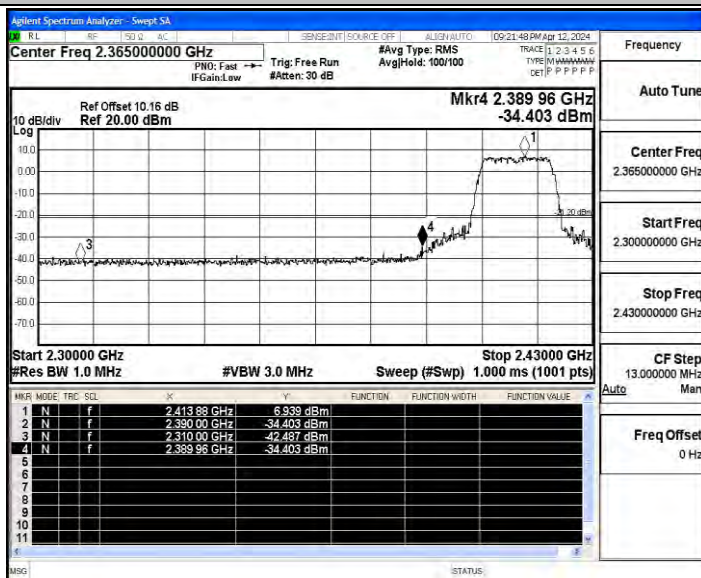
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11G\_Ant\_Low\_2412\_Peak



11G\_Ant\_High\_2462\_AV

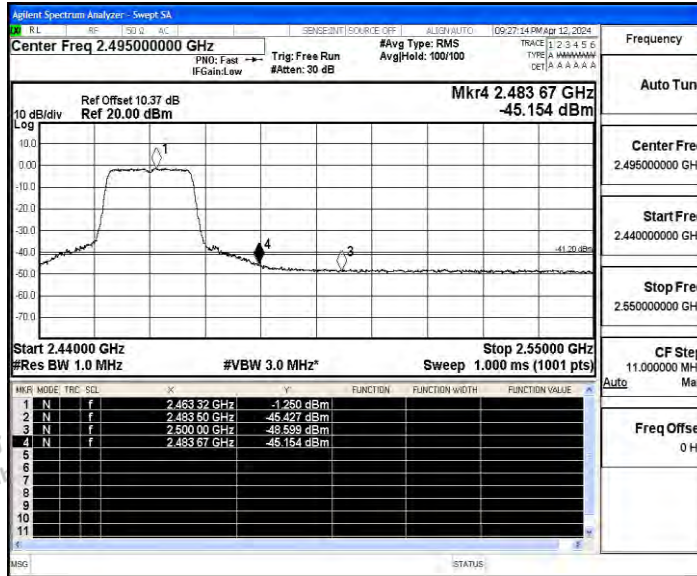


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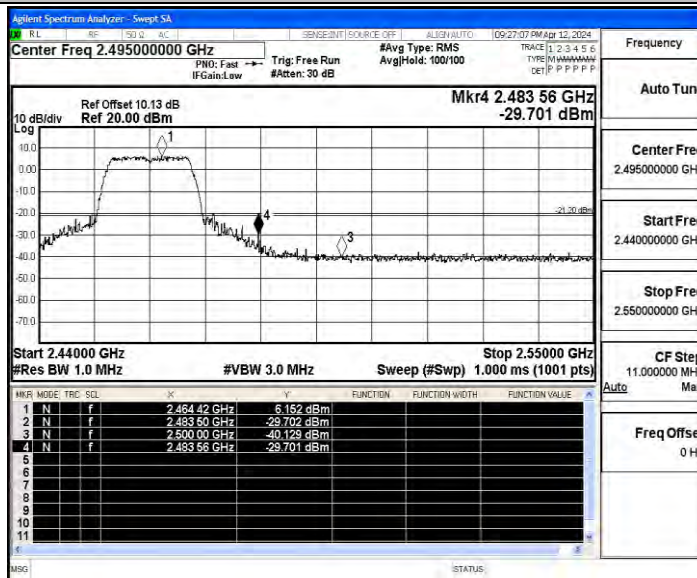
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11G\_Ant\_High\_2462\_Peak



11N20SISO\_Ant\_Low\_2412\_AV

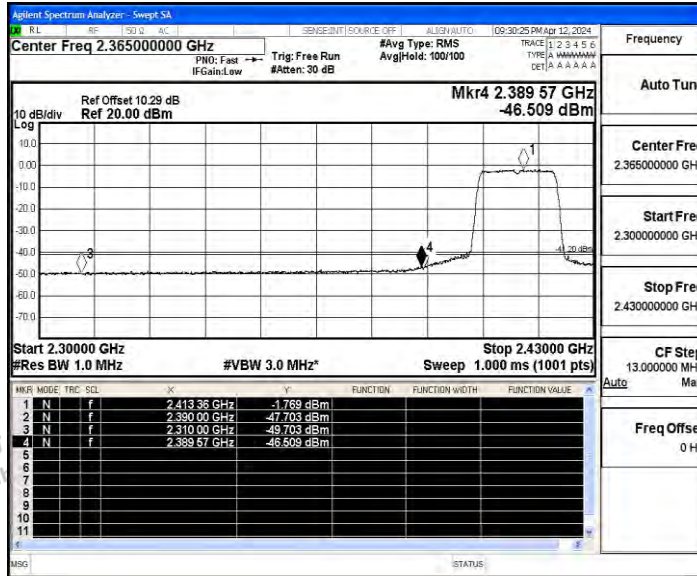


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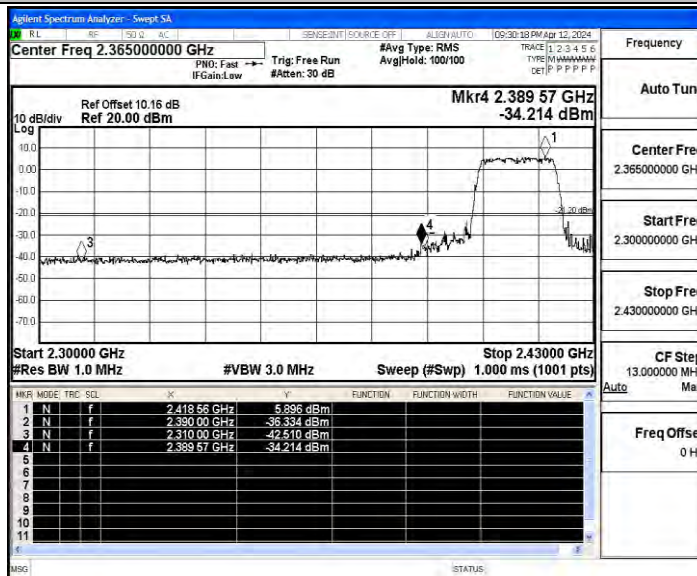
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N20SISO\_Ant\_Low\_2412\_Peak



11N20SISO\_Ant\_High\_2462\_AV

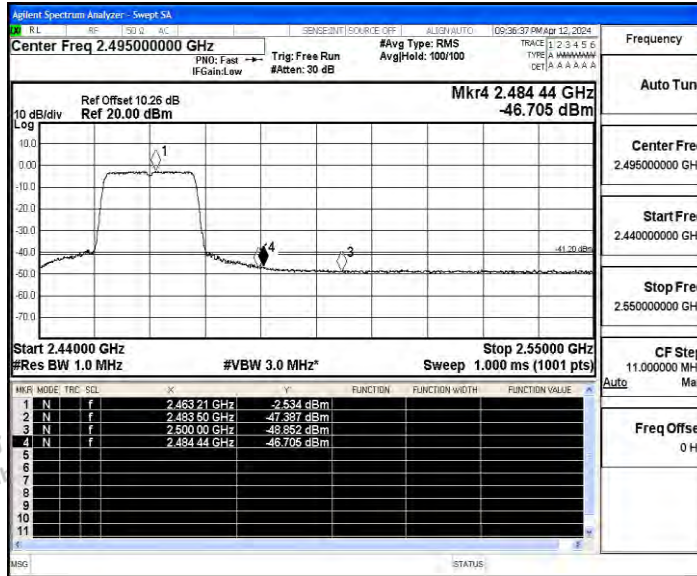


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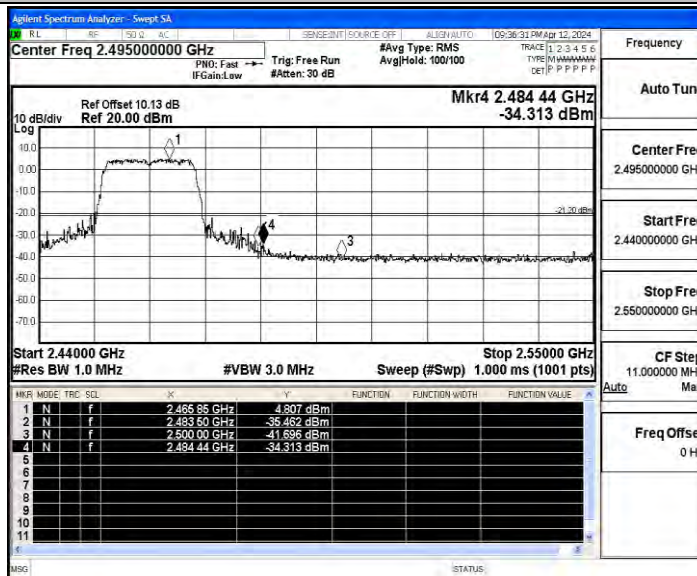
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N20SISO\_Ant\_High\_2462\_Peak



11N40SISO\_Ant\_Low\_2422\_AV

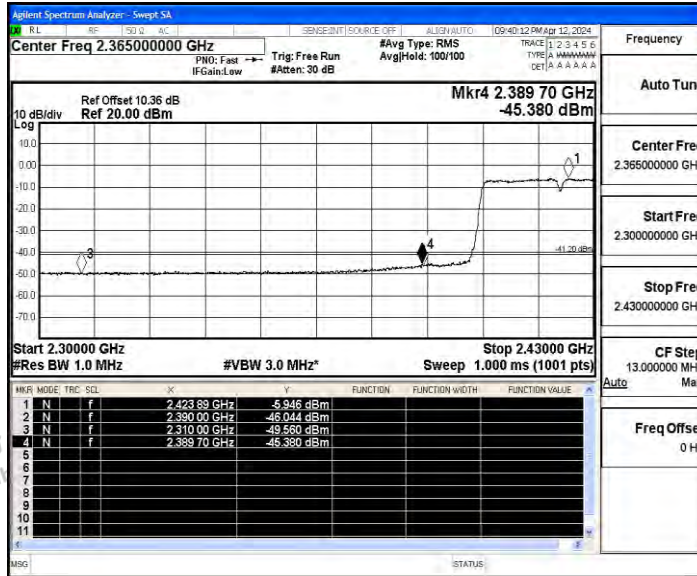


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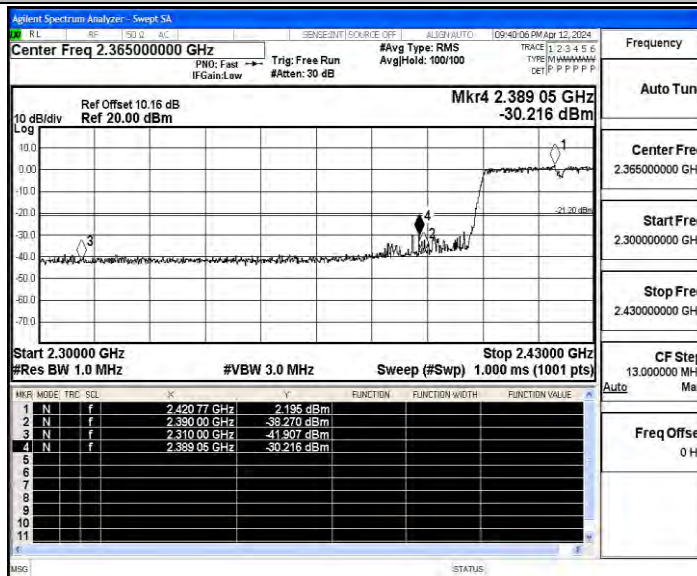
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N40SISO\_Ant\_Low\_2422\_Peak



11N40SISO\_Ant\_High\_2452\_AV

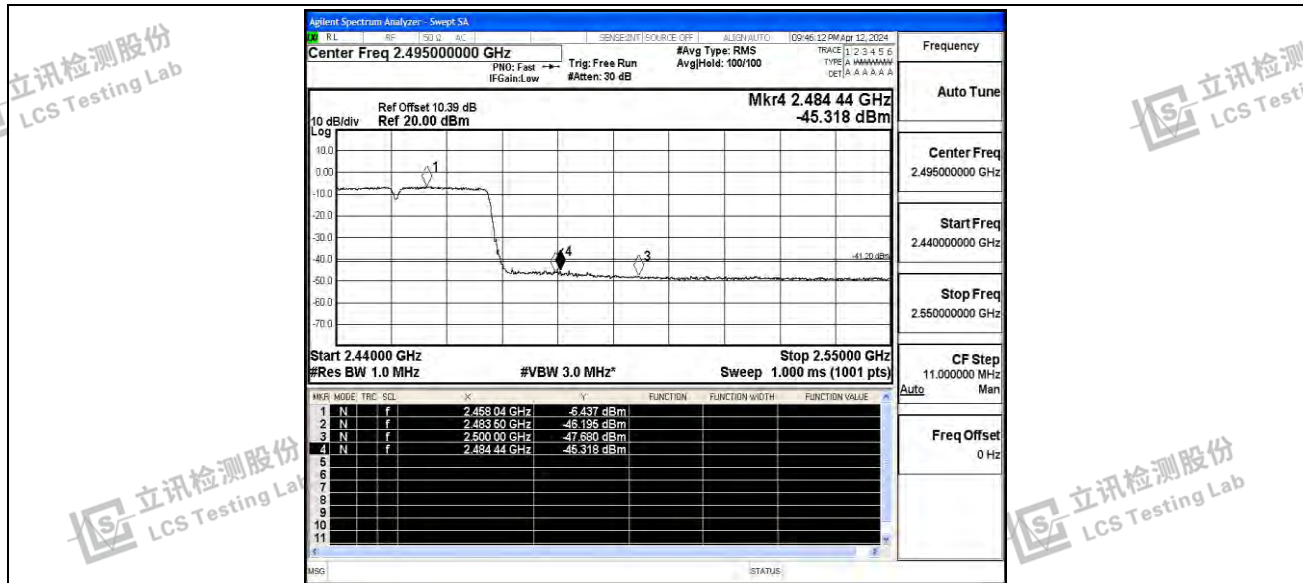


Shenzhen LCS Compliance Testing Laboratory Ltd.

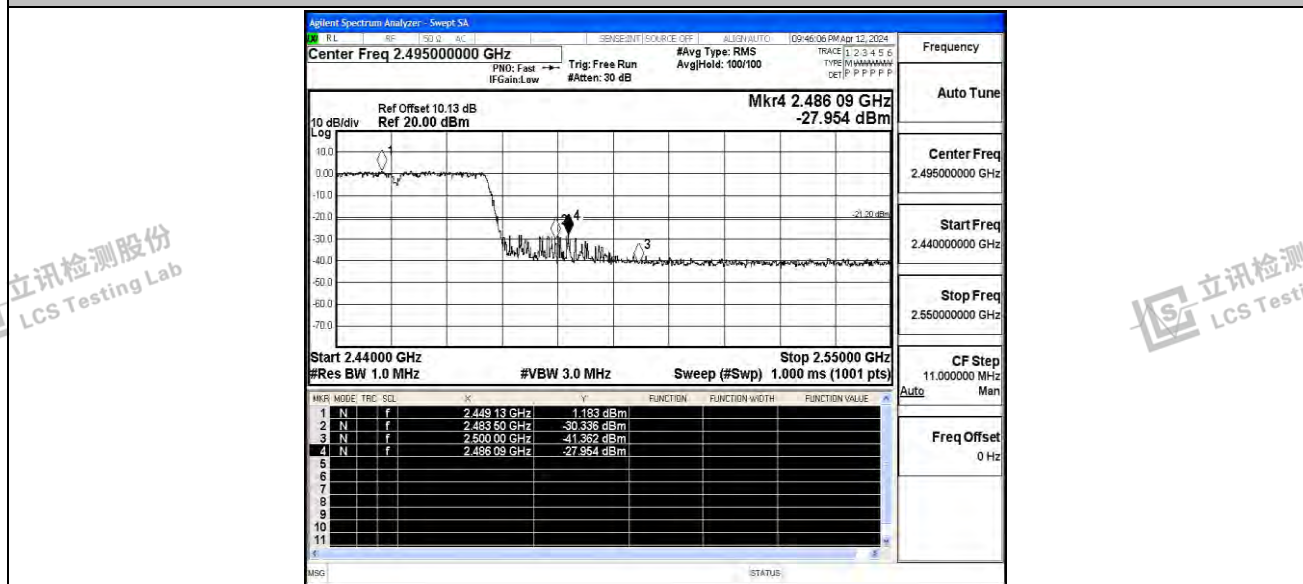
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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## 11N40SISO\_Ant\_High\_2452\_Peak



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