



## Appendix M: Test Data for E-UTRA Band 13

Product Name: Mobile phone

Test Model: F31tx

### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.9° C   |
| Relative Humidity: | 52.3%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Jay Luo   |
| Supervised by:     | Nick Peng |





## M.1 Conducted Output Power Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | 24.34       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#0            | 23.46       | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#12           | 24.40       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#12           | 23.45       | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#24           | 24.42       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#24           | 23.44       | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 12RB#0           | 23.37       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 12RB#0           | 22.54       | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 12RB#6           | 23.14       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 12RB#6           | 22.42       | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 12RB#13          | 23.25       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 12RB#13          | 22.39       | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 25RB#0           | 23.17       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 25RB#0           | 22.52       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | 24.07       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#0            | 22.84       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#12           | 24.02       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#12           | 22.80       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#24           | 23.98       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#24           | 22.72       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 12RB#0           | 23.26       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 12RB#0           | 22.52       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 12RB#6           | 23.27       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 12RB#6           | 22.52       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 12RB#13          | 23.18       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 12RB#13          | 22.45       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 25RB#0           | 23.21       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 25RB#0           | 22.54       | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | 23.85       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#0            | 23.67       | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#12           | 23.73       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#12           | 23.49       | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#24           | 23.50       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#24           | 23.21       | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 12RB#0           | 23.25       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 12RB#0           | 22.43       | PASS    |



Shenzhen LCS 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 | Web: www.lcs-cert.com

Scan code to check authenticity



|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band13 | 5MHz  | QPSK  | 23255 | 12RB#6  | 23.11 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 12RB#6  | 22.43 | PASS |
| Band13 | 5MHz  | QPSK  | 23255 | 12RB#13 | 22.99 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 12RB#13 | 22.24 | PASS |
| Band13 | 5MHz  | QPSK  | 23255 | 25RB#0  | 23.10 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 25RB#0  | 22.37 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 1RB#0   | 23.60 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#0   | 22.75 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 1RB#24  | 23.38 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#24  | 22.62 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 1RB#49  | 23.12 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#49  | 22.36 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 25RB#0  | 22.58 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 25RB#0  | 21.82 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 25RB#12 | 22.58 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 25RB#12 | 21.82 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 25RB#25 | 22.49 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 25RB#25 | 21.63 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 50RB#0  | 22.57 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 50RB#0  | 21.81 | PASS |



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



## M.2 Peak-to-Average Ratio(CCDF)

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | 4.63       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#0            | 5.36       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 25RB#0           | 5.53       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 25RB#0           | 6.16       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | 4.81       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#0            | 5.43       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 25RB#0           | 5.54       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 25RB#0           | 6.21       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | 4.74       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#0            | 5.35       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 25RB#0           | 5.55       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 25RB#0           | 6.20       | 13        | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 1RB#0            | 4.68       | 13        | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 1RB#0            | 5.26       | 13        | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 50RB#0           | 5.55       | 13        | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 50RB#0           | 6.19       | 13        | PASS    |



Shenzhen LCS Compliance Testing Laboratory Ltd.

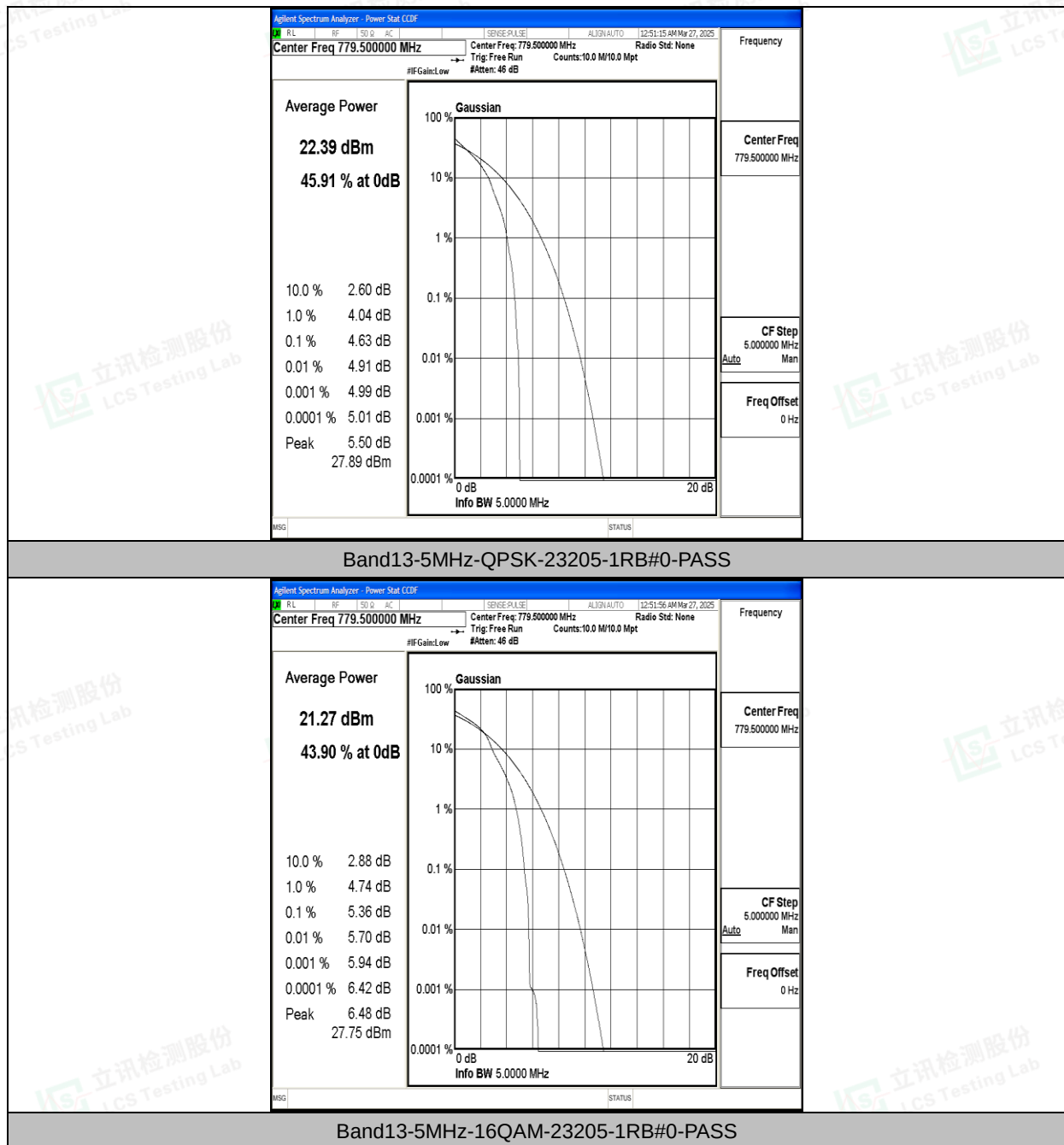
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



## Test Graphs

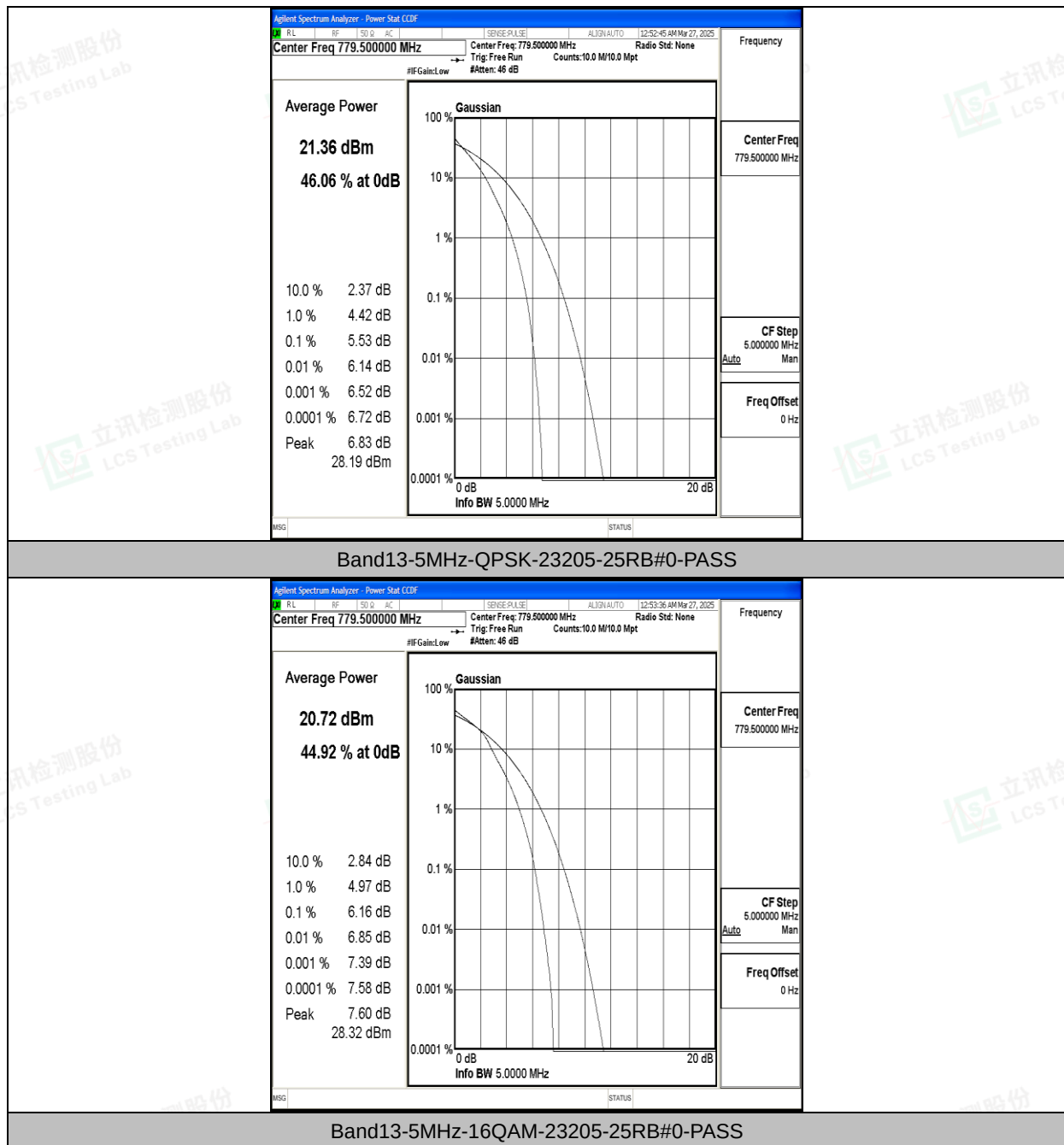


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

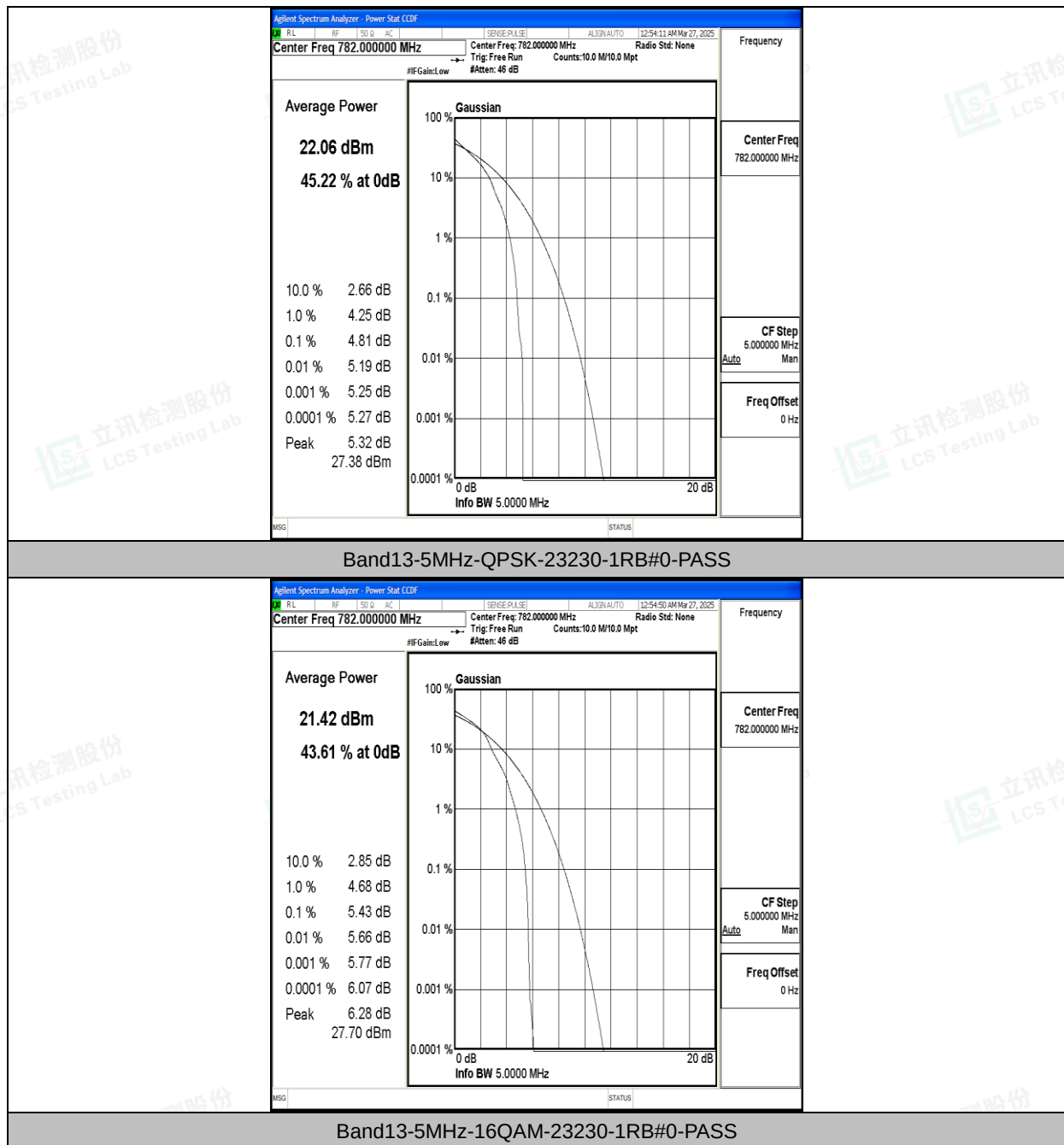


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

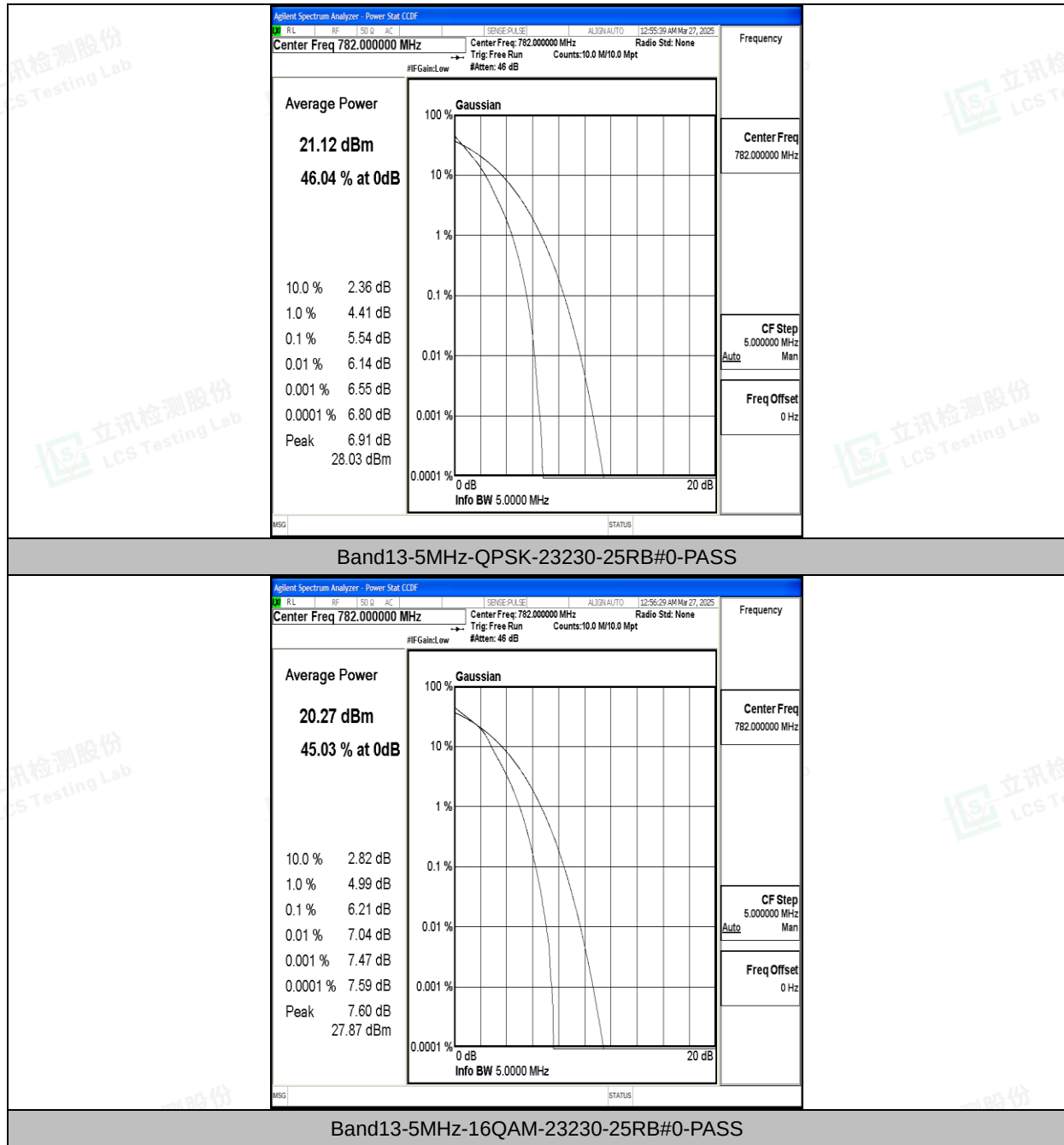


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

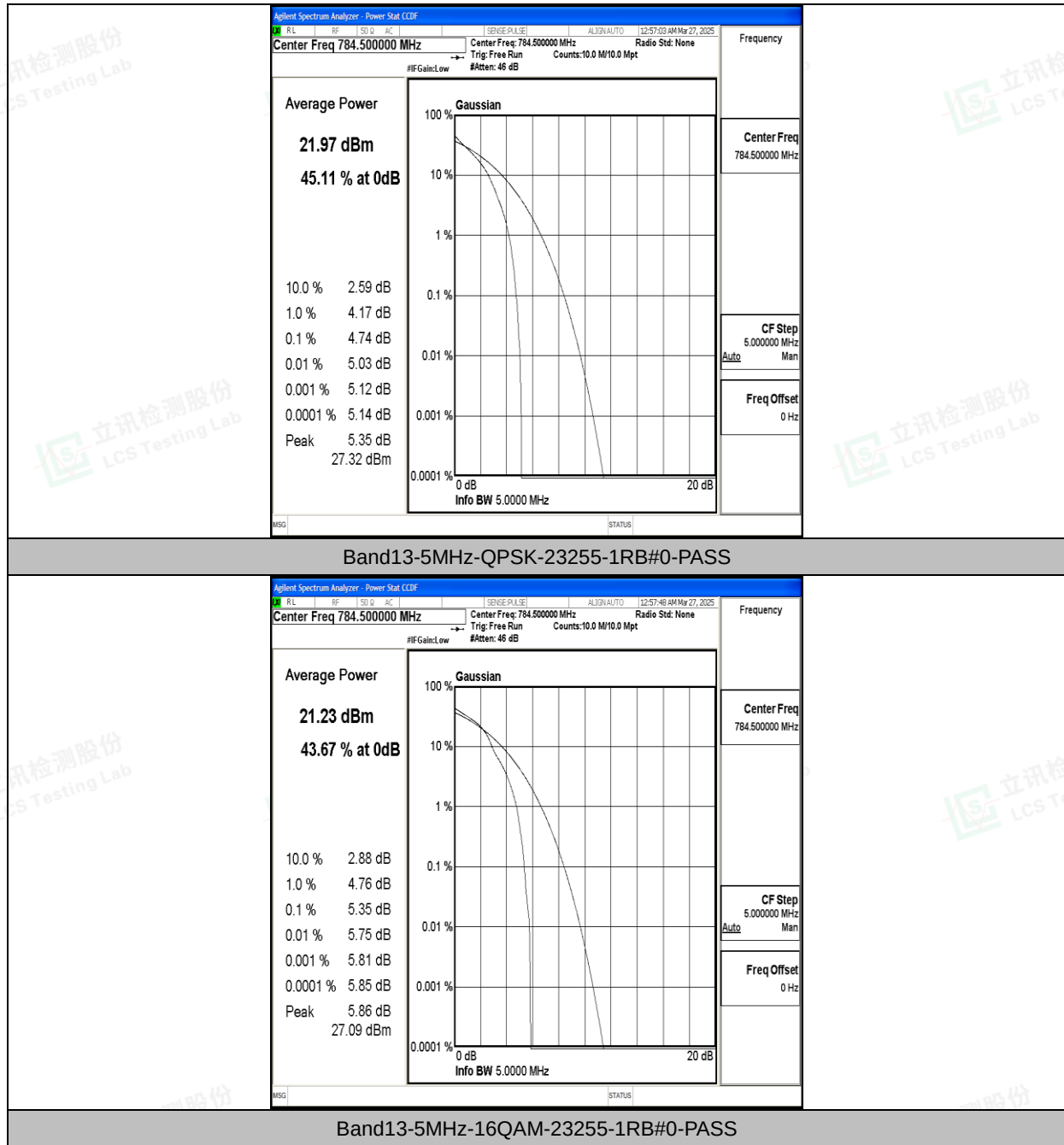


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

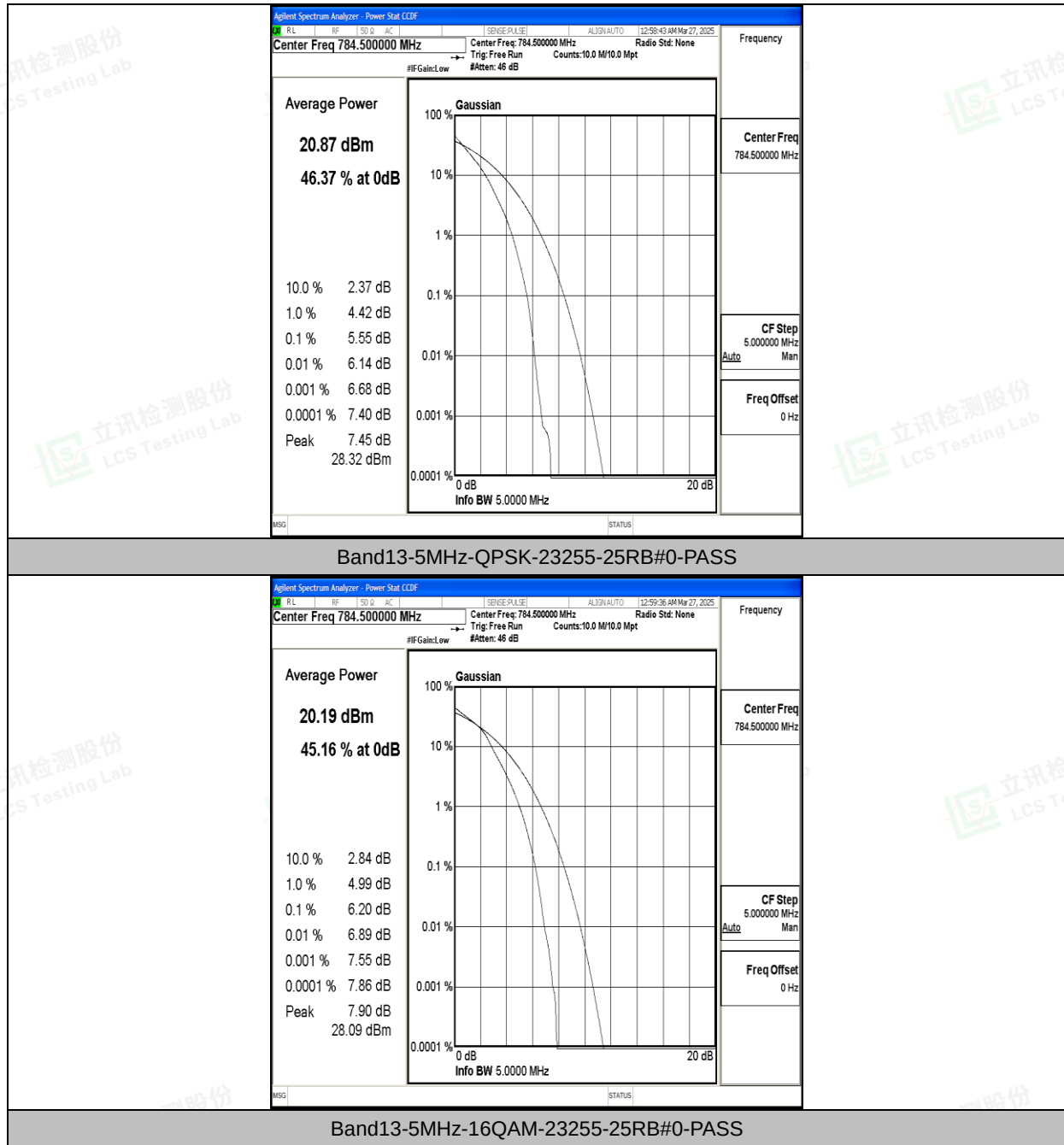


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

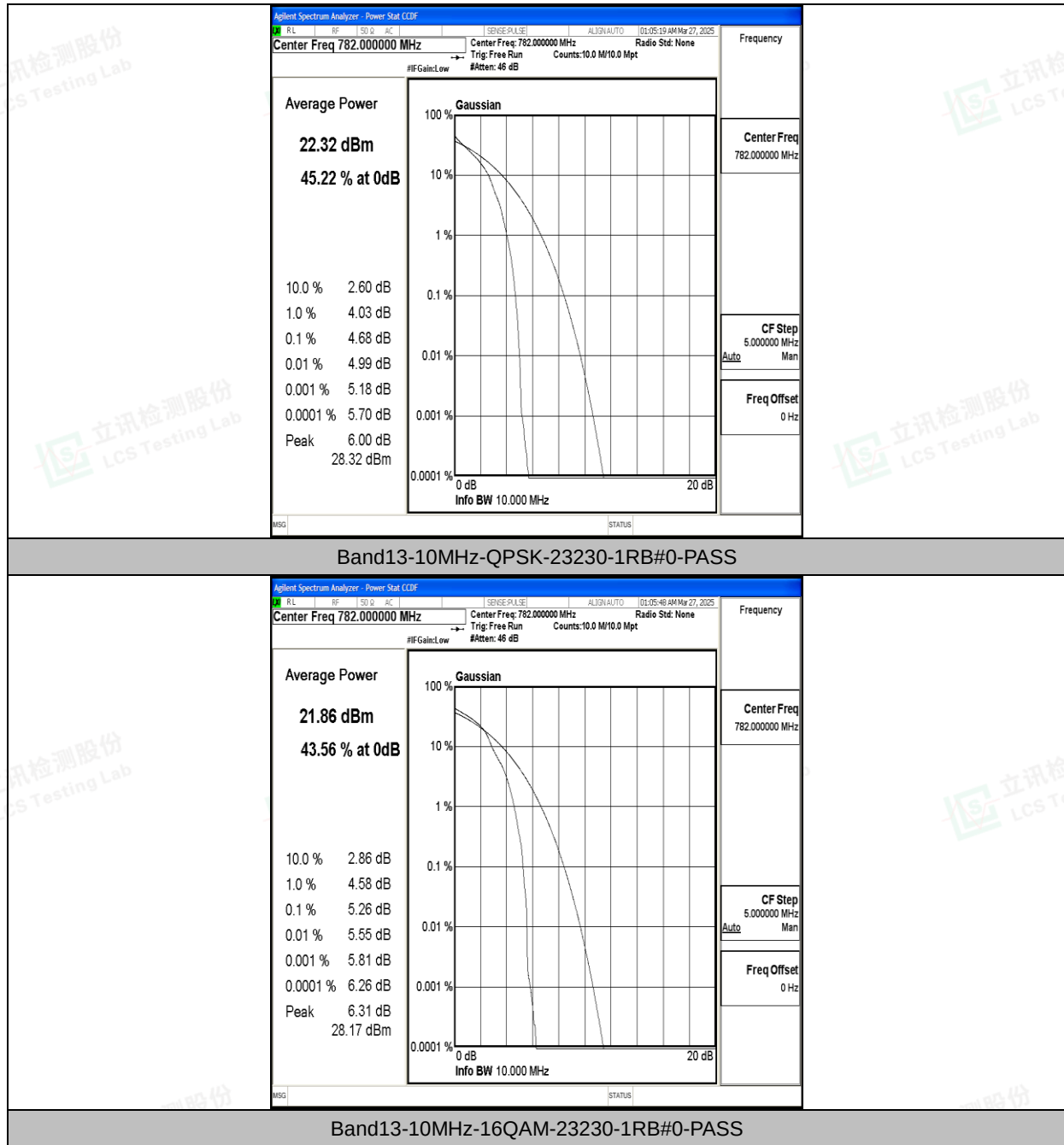


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

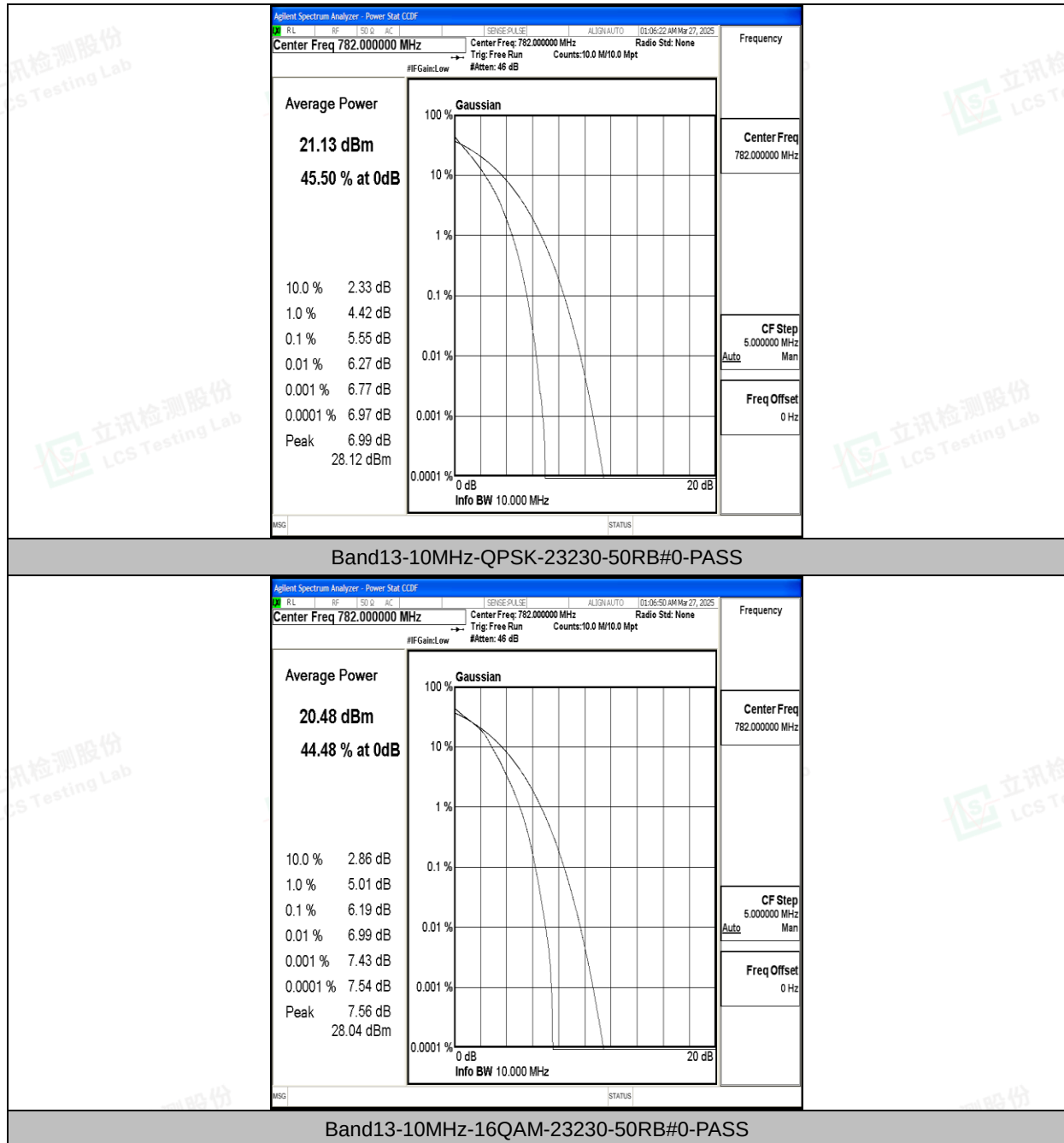


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



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



### M.3 26dB Bandwidth and Occupied Bandwidth

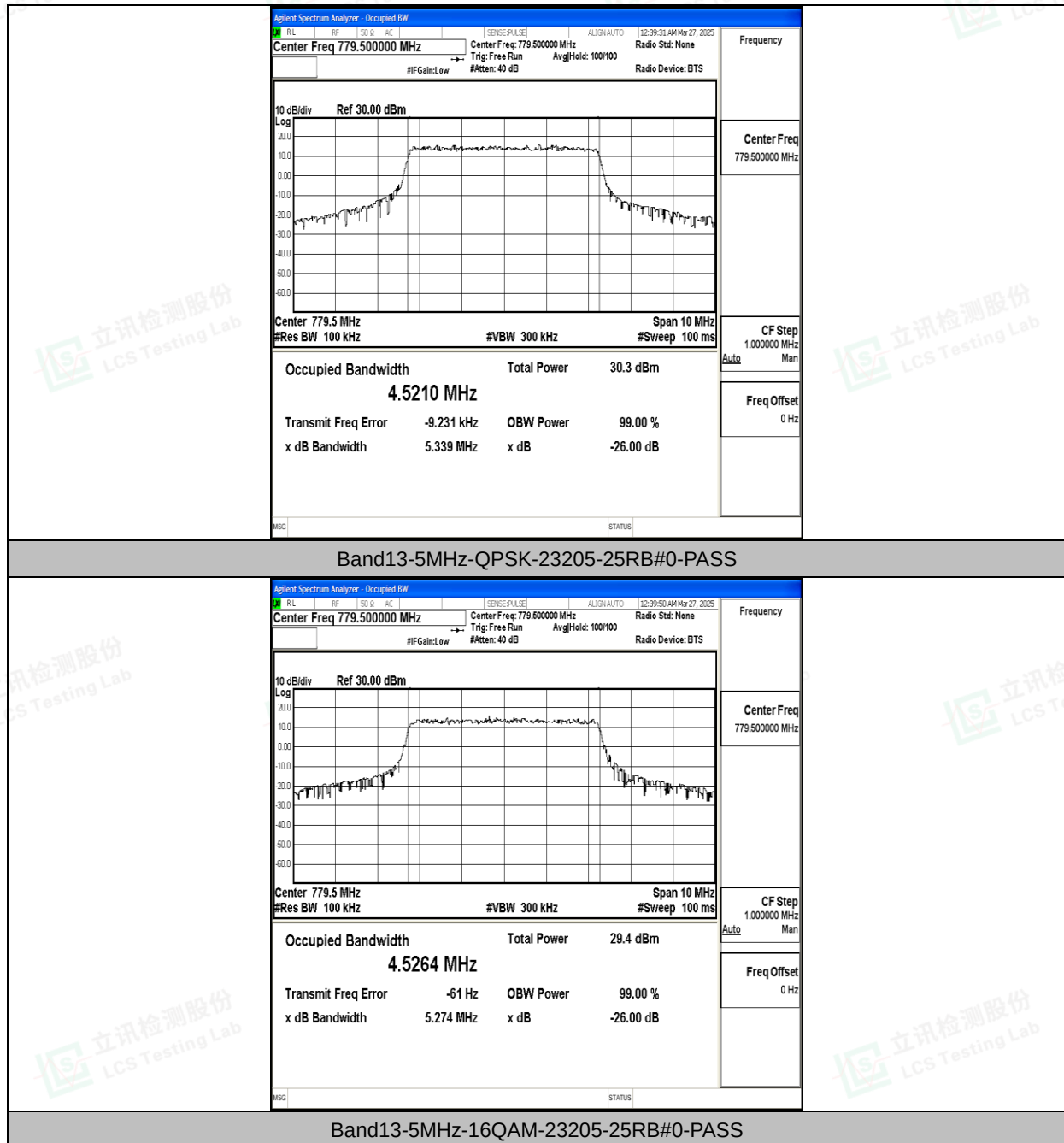
#### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 25RB#0           | 4.5210                   | 5.339                | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 25RB#0           | 4.5264                   | 5.274                | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 25RB#0           | 4.5156                   | 5.376                | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 25RB#0           | 4.5268                   | 5.446                | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 25RB#0           | 4.5211                   | 5.201                | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 25RB#0           | 4.5491                   | 5.414                | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 50RB#0           | 8.9881                   | 10.06                | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 50RB#0           | 8.9864                   | 10.03                | PASS    |





## Test Graphs

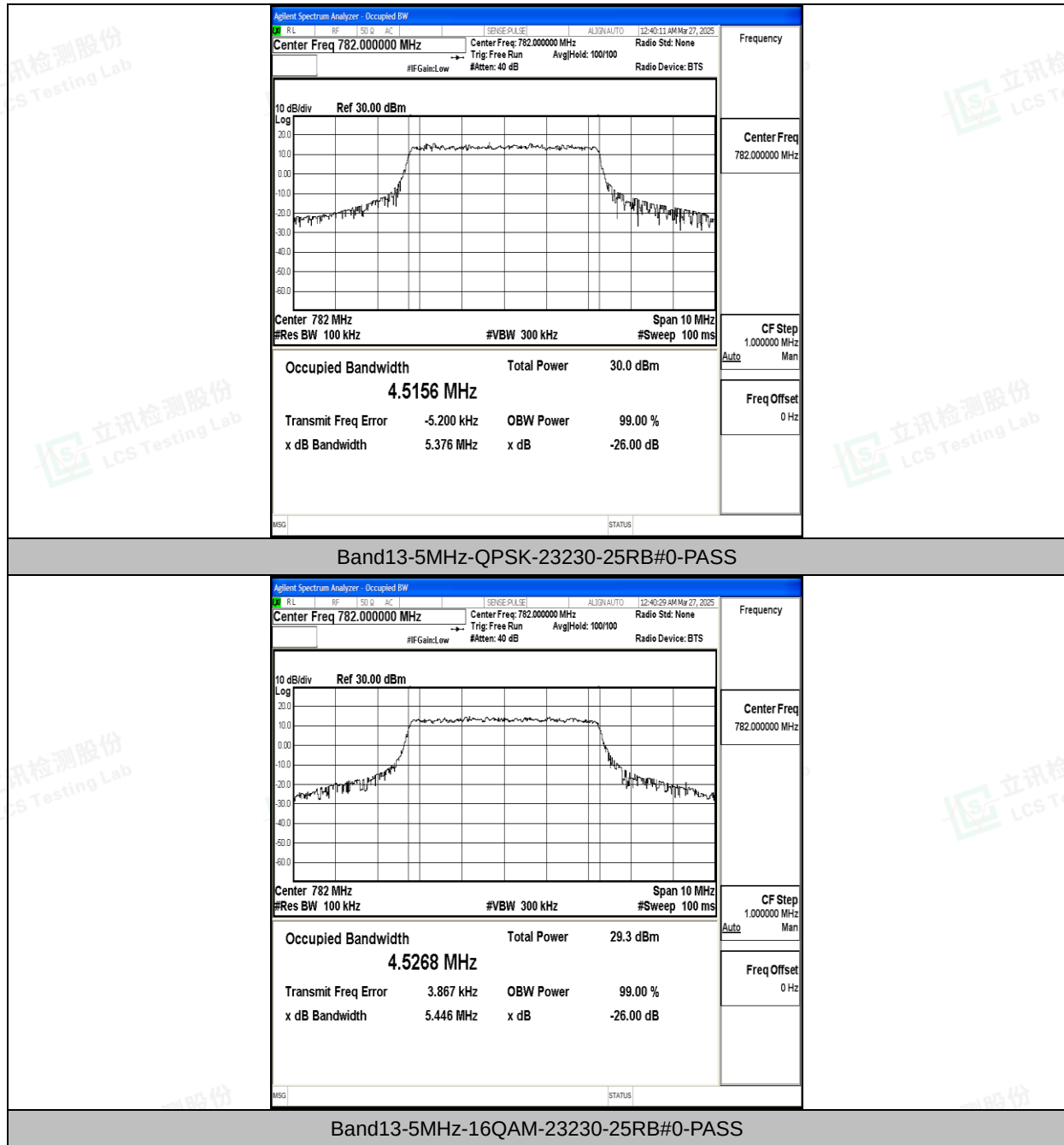


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

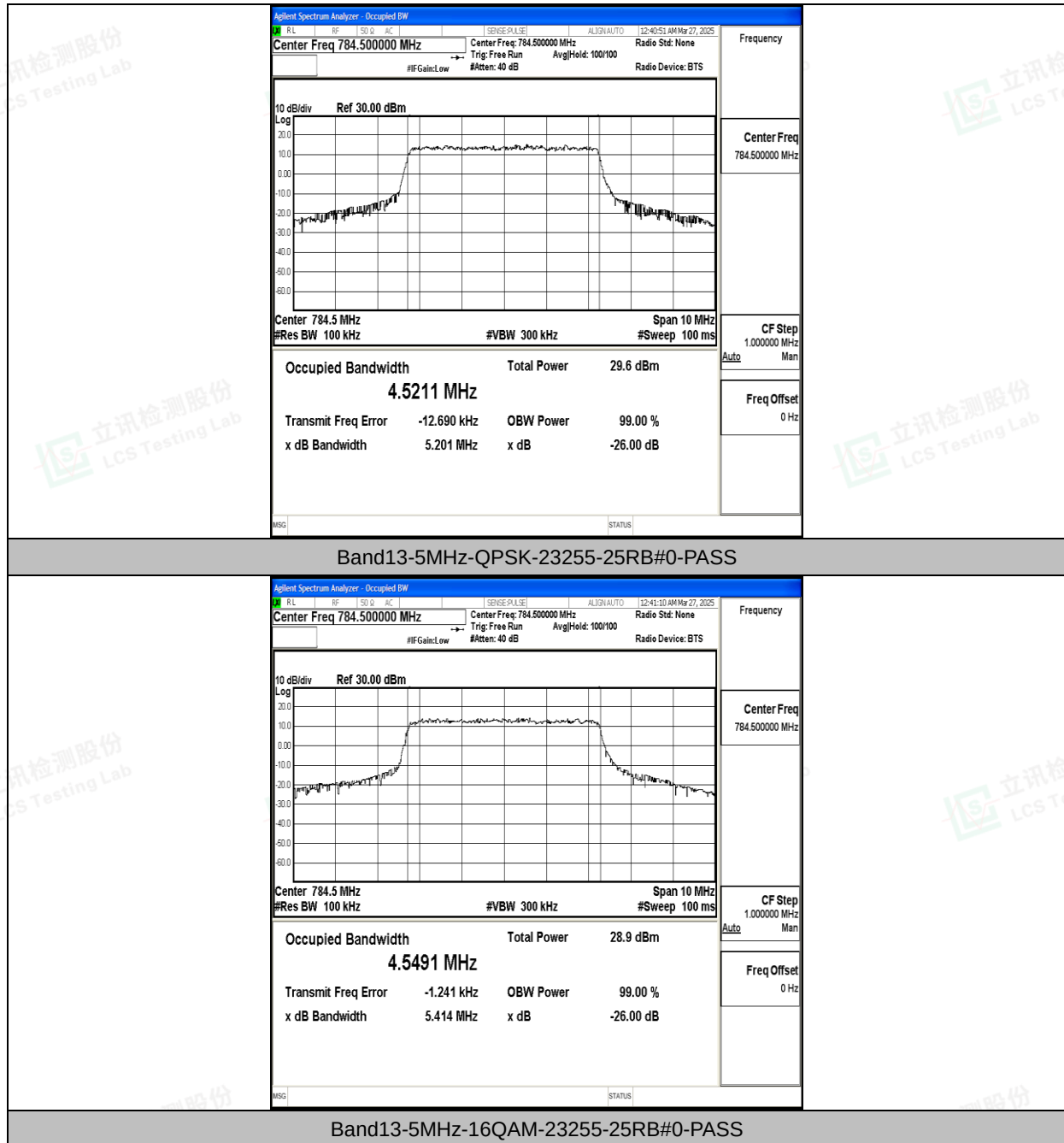


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

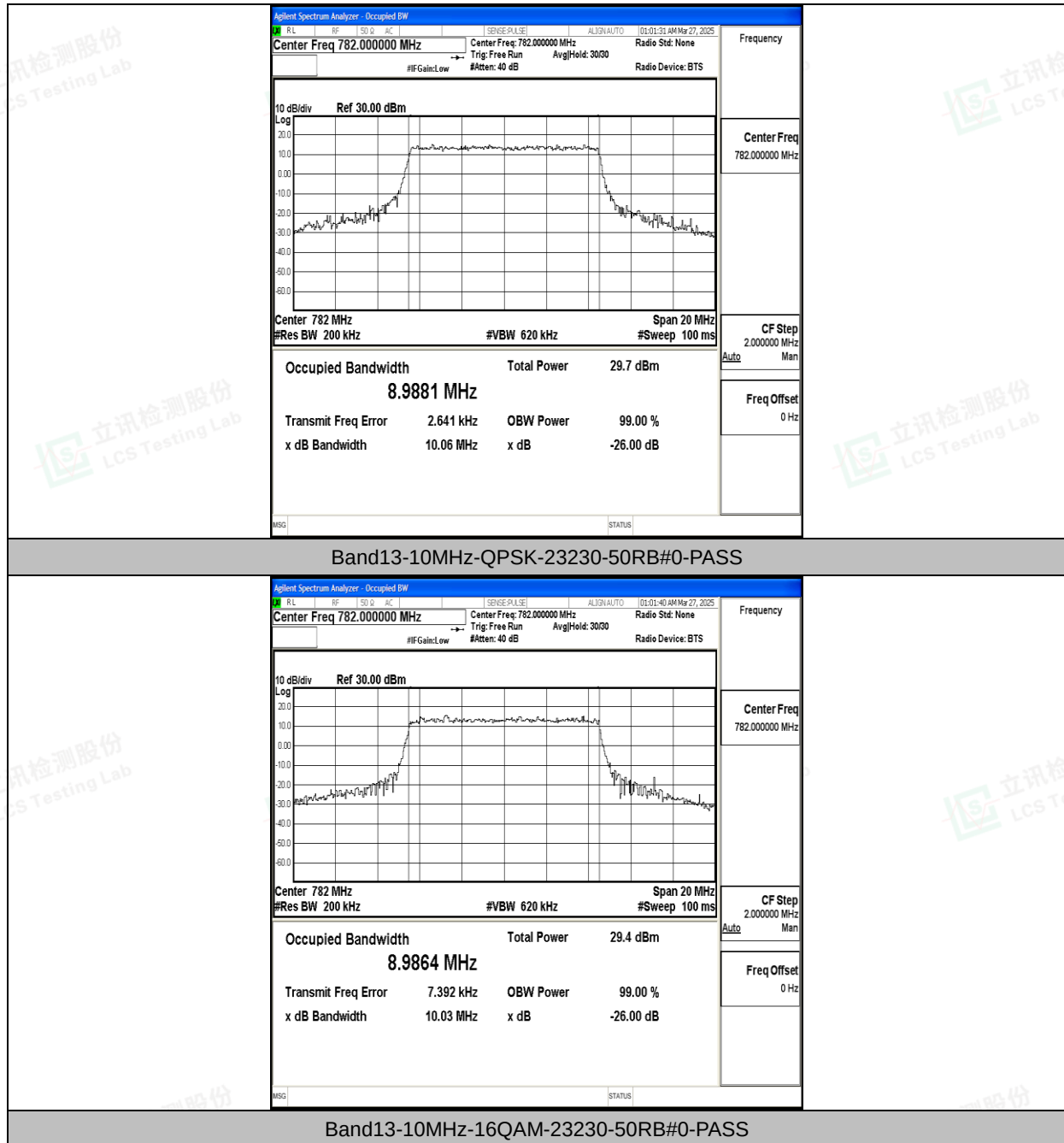


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



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

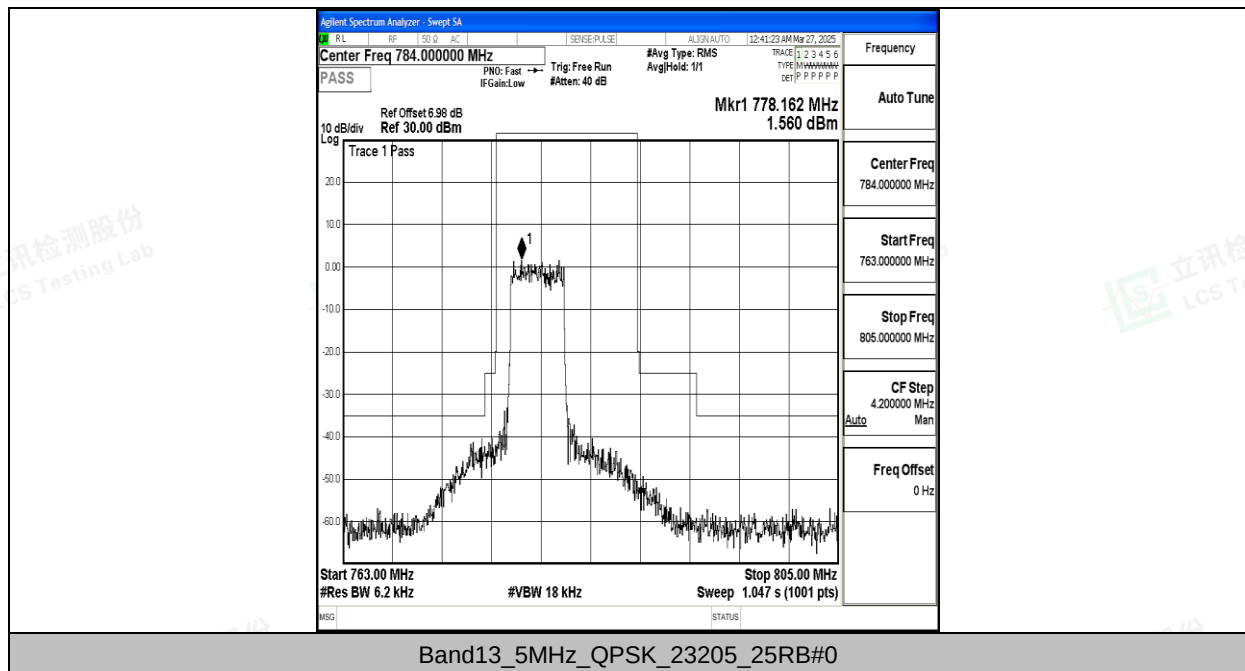


## M.4 Band Edge

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Peak Frequency | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------|-------------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 25RB#0           | 774.80         | -40.47      | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 25RB#0           | 774.84         | -40.90      | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 25RB#0           | 774.80         | -50.77      | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 25RB#0           | 788.12         | -42.94      | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 50RB#0           | 774.38         | -44.54      | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 50RB#0           | 774.30         | -44.34      | PASS    |

### Test Graphs

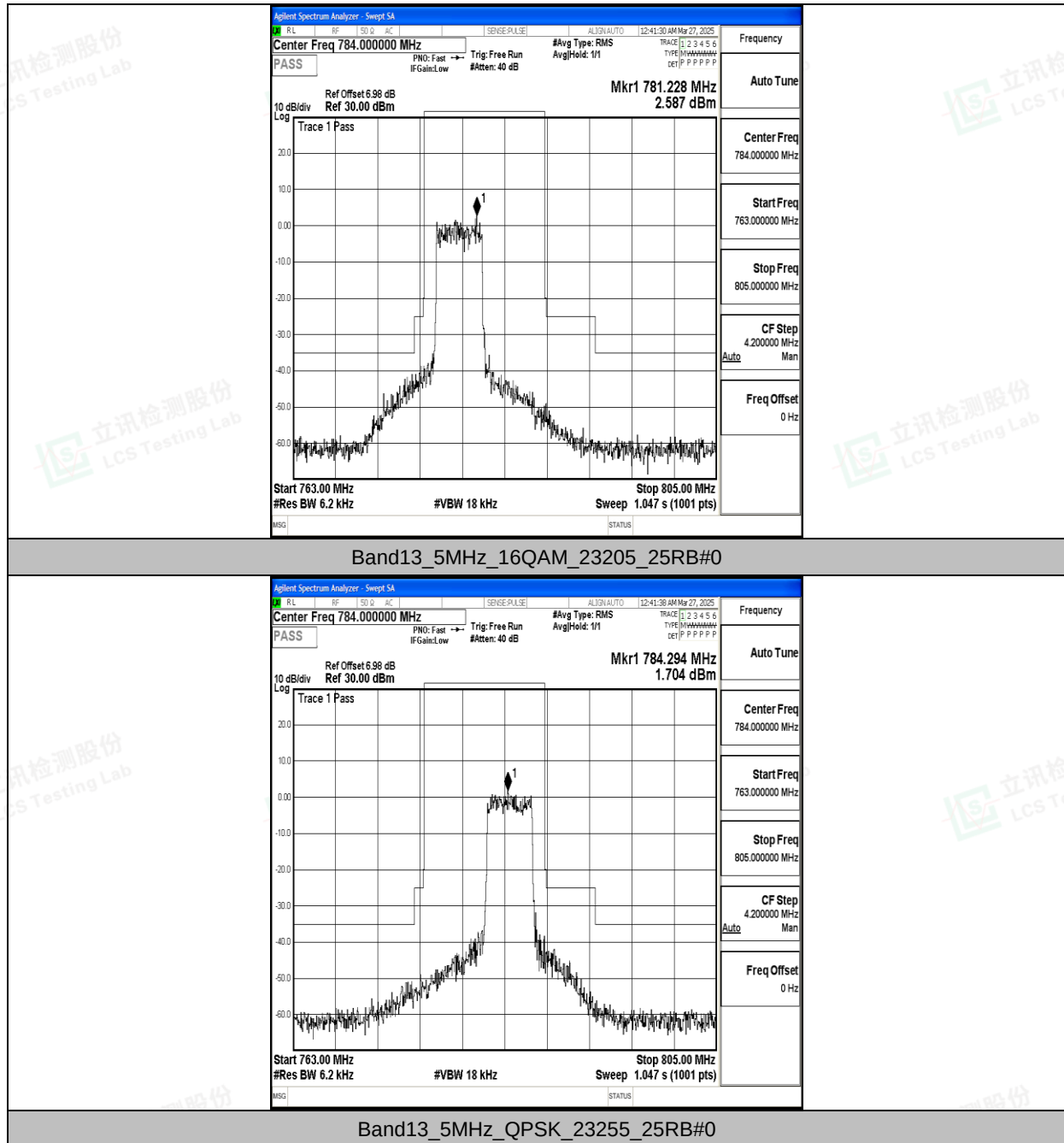


Shenzhen LCS Compliance Testing Laboratory Ltd.

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 | Web: www.lcs-cert.com

Scan code to check authenticity

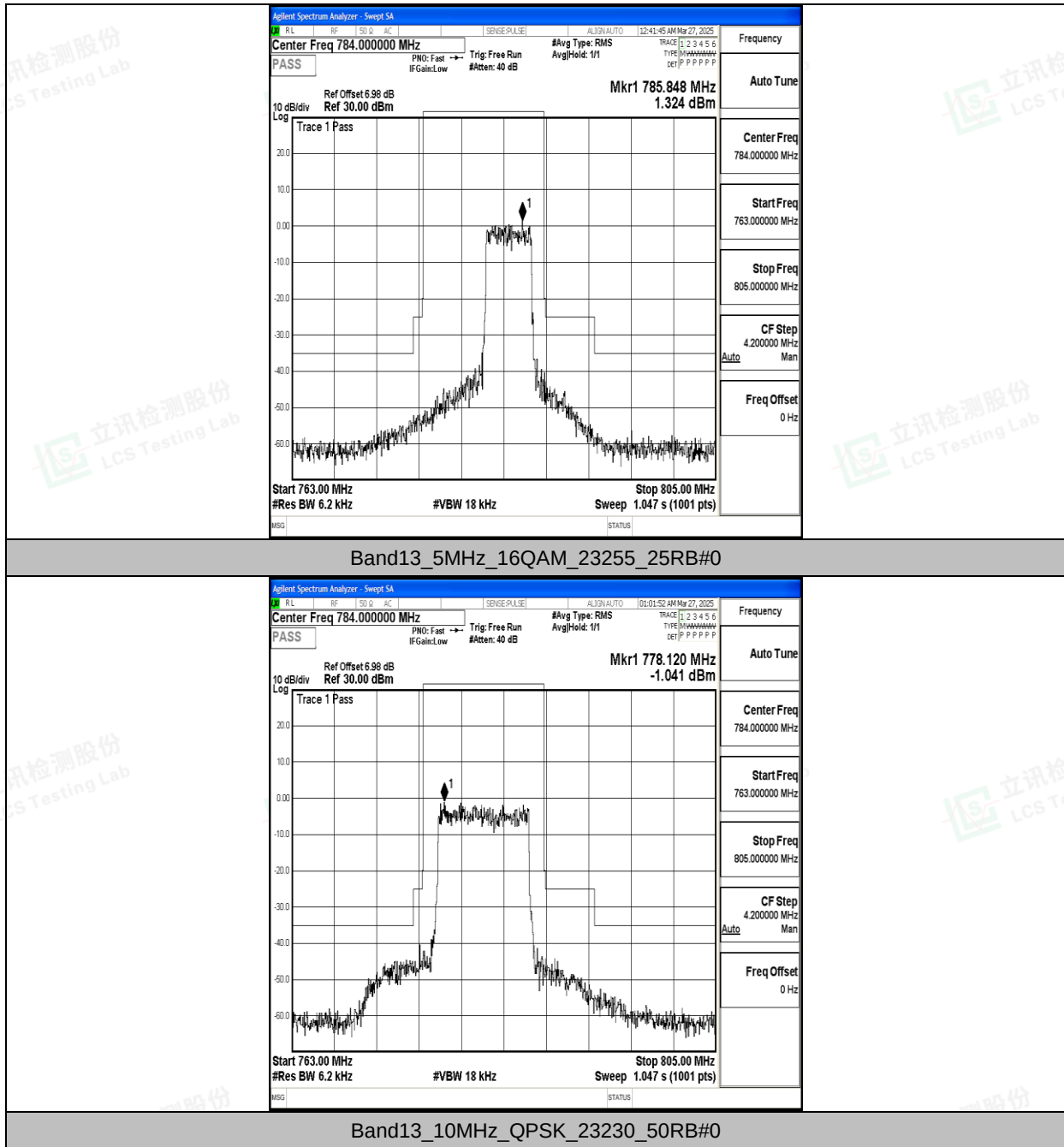


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

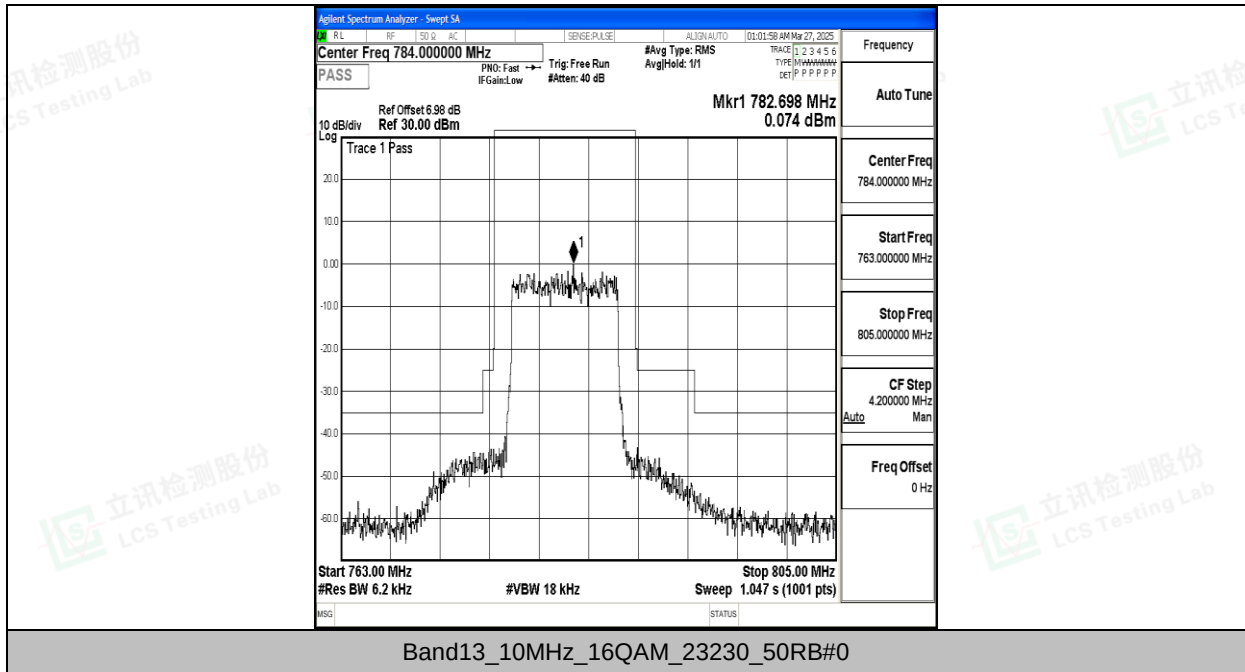


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



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



## M.5 Conducted Spurious Emission

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-----------------|--------------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | 0.009~0.15      | -56.23       | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | 0.15~30         | -46.41       | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | 30~1000         | -45.90       | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | 1000~3000       | -37.47       | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | 3000~10000      | -35.20       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#0            | 0.009~0.15      | -53.10       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#0            | 0.15~30         | -45.13       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#0            | 30~1000         | -48.66       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#0            | 1000~3000       | -38.33       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#0            | 3000~10000      | -35.41       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | 0.009~0.15      | -61.29       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | 0.15~30         | -46.53       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | 30~1000         | -52.39       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | 1000~3000       | -36.56       | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | 3000~10000      | -35.29       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#0            | 0.009~0.15      | -57.59       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#0            | 0.15~30         | -48.08       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#0            | 30~1000         | -52.22       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#0            | 1000~3000       | -38.31       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#0            | 3000~10000      | -35.51       | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | 0.009~0.15      | -57.63       | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | 0.15~30         | -45.79       | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | 30~1000         | -44.53       | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | 1000~3000       | -38.97       | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | 3000~10000      | -35.05       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#0            | 0.009~0.15      | -58.05       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#0            | 0.15~30         | -42.02       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#0            | 30~1000         | -52.40       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#0            | 1000~3000       | -37.45       | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#0            | 3000~10000      | -35.29       | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 1RB#0            | 0.009~0.15      | -59.18       | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 1RB#0            | 0.15~30         | -46.74       | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 1RB#0            | 30~1000         | -52.55       | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 1RB#0            | 1000~3000       | -37.27       | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 1RB#0            | 3000~10000      | -35.04       | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 1RB#0            | 0.009~0.15      | -60.21       | PASS    |



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

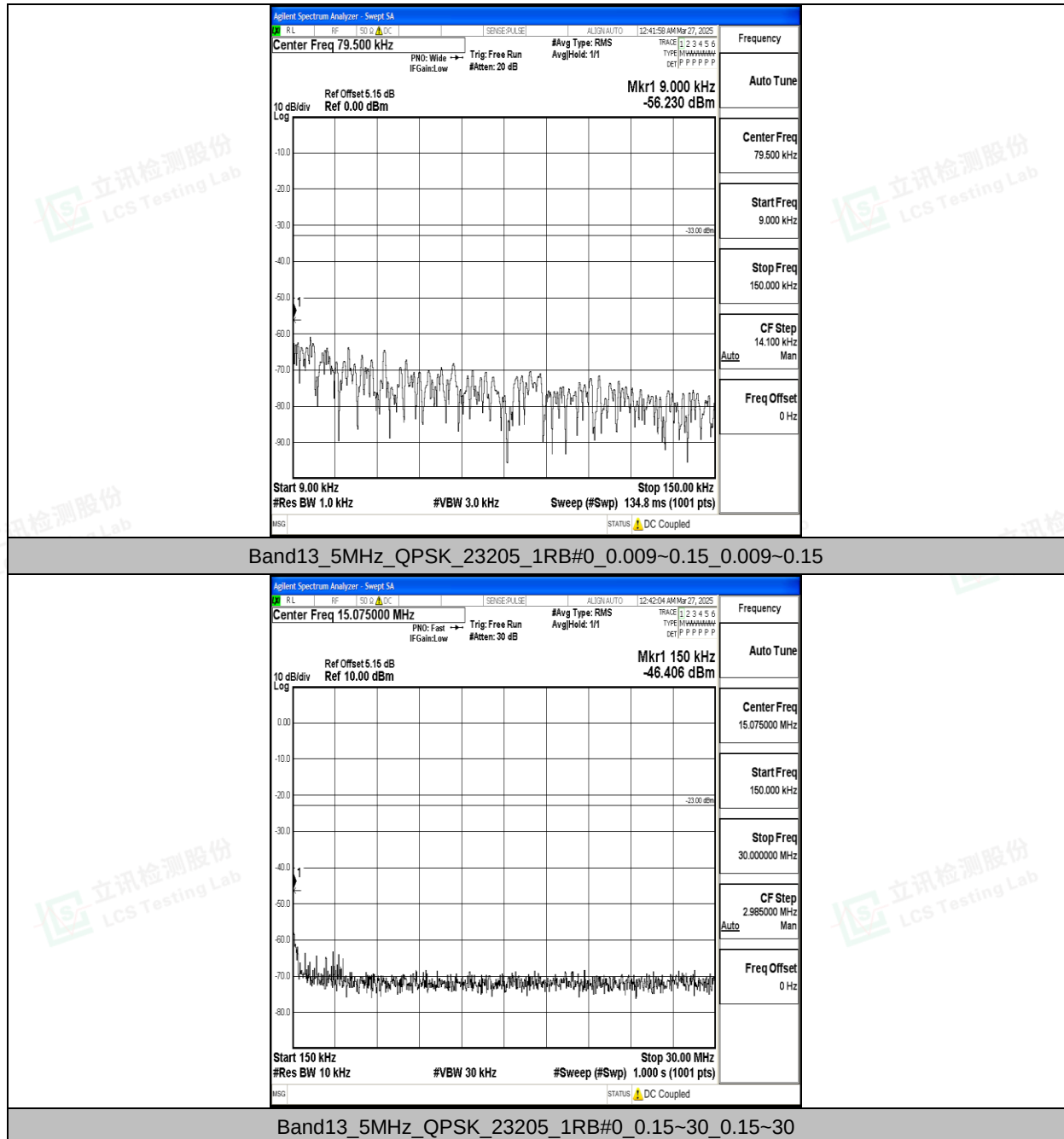
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



|        |       |       |       |       |            |        |      |
|--------|-------|-------|-------|-------|------------|--------|------|
| Band13 | 10MHz | 16QAM | 23230 | 1RB#0 | 0.15~30    | -47.36 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#0 | 30~1000    | -52.69 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#0 | 1000~3000  | -37.17 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#0 | 3000~10000 | -35.72 | PASS |

## Test Graphs

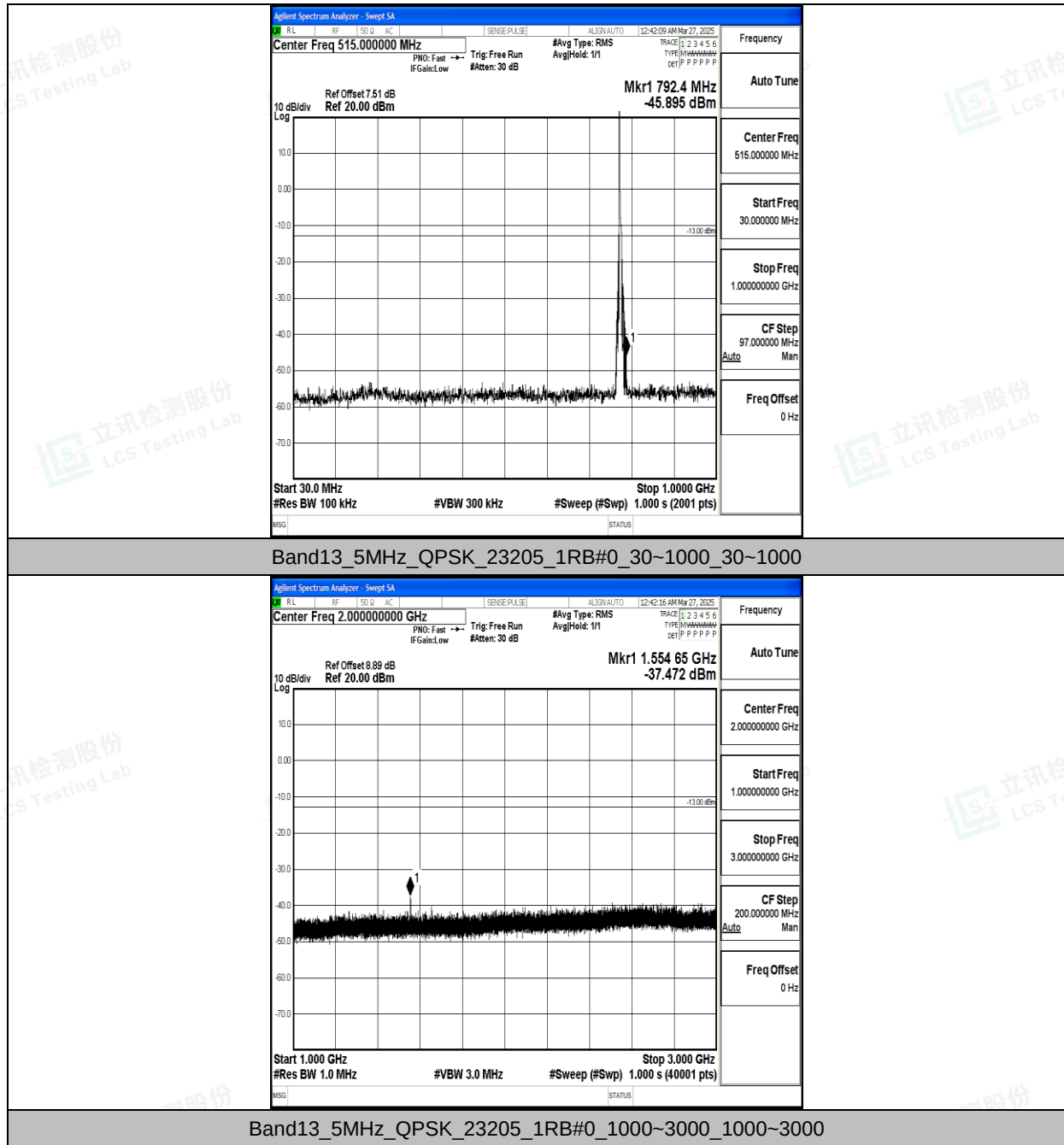


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

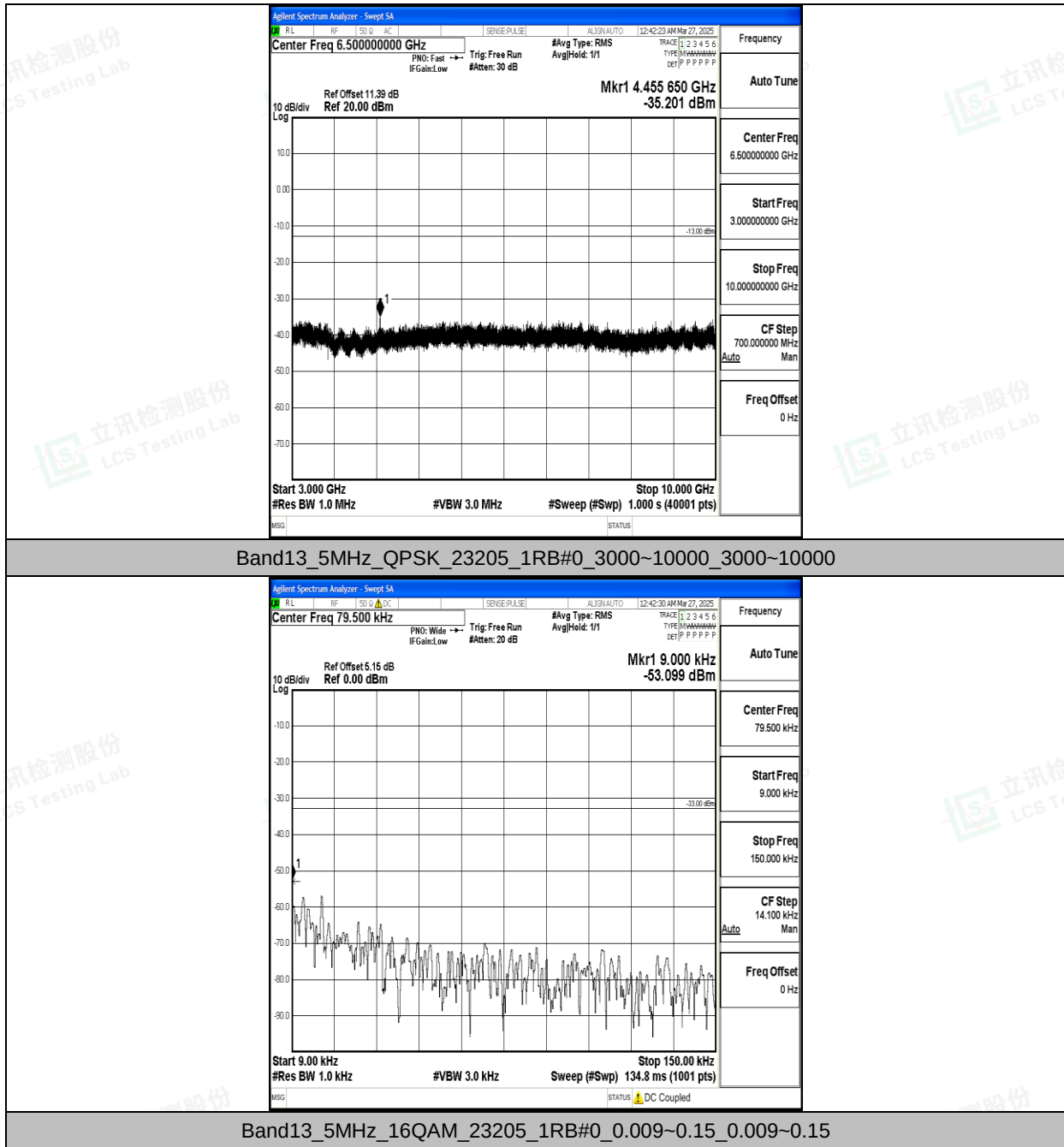


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

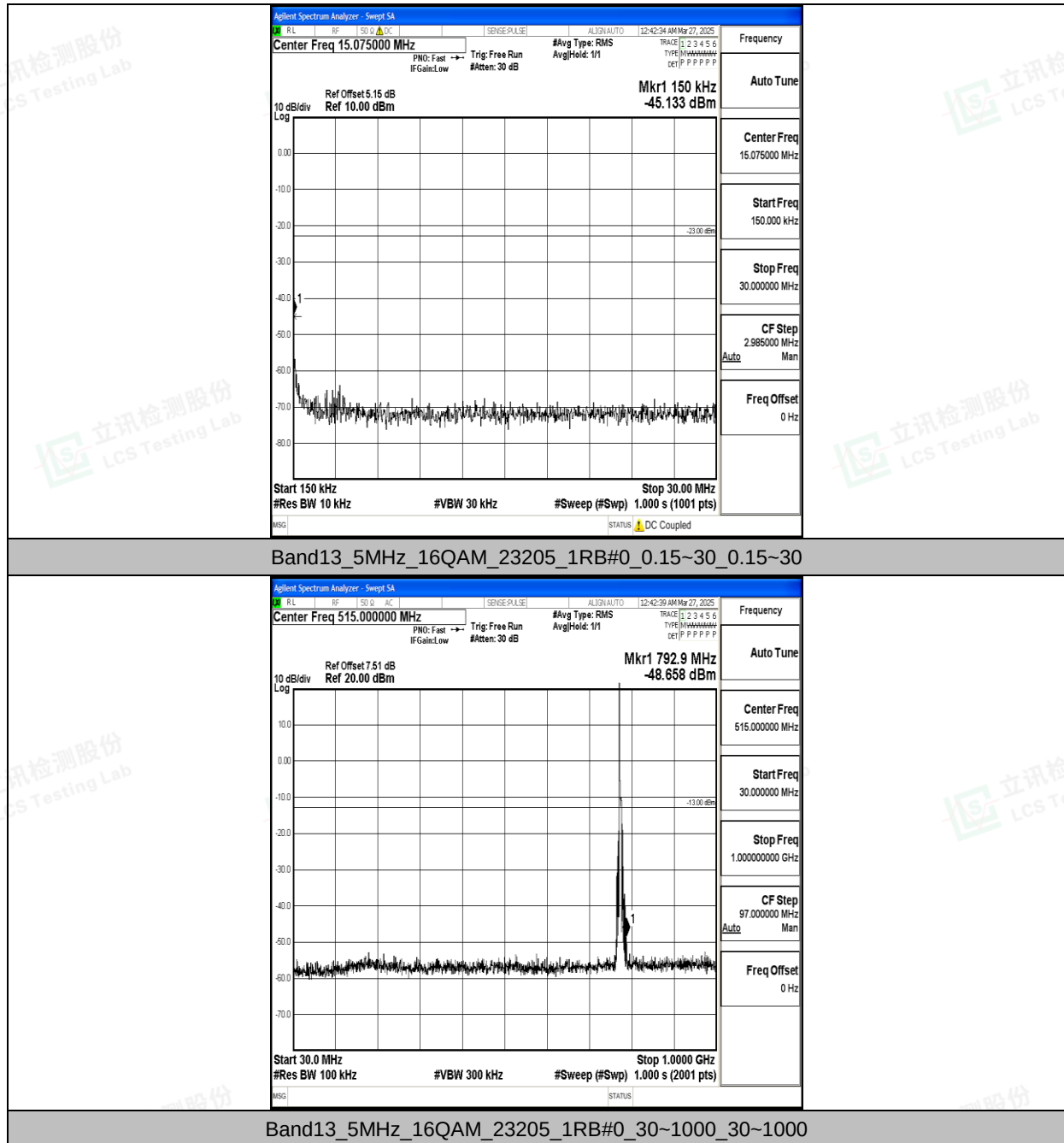


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

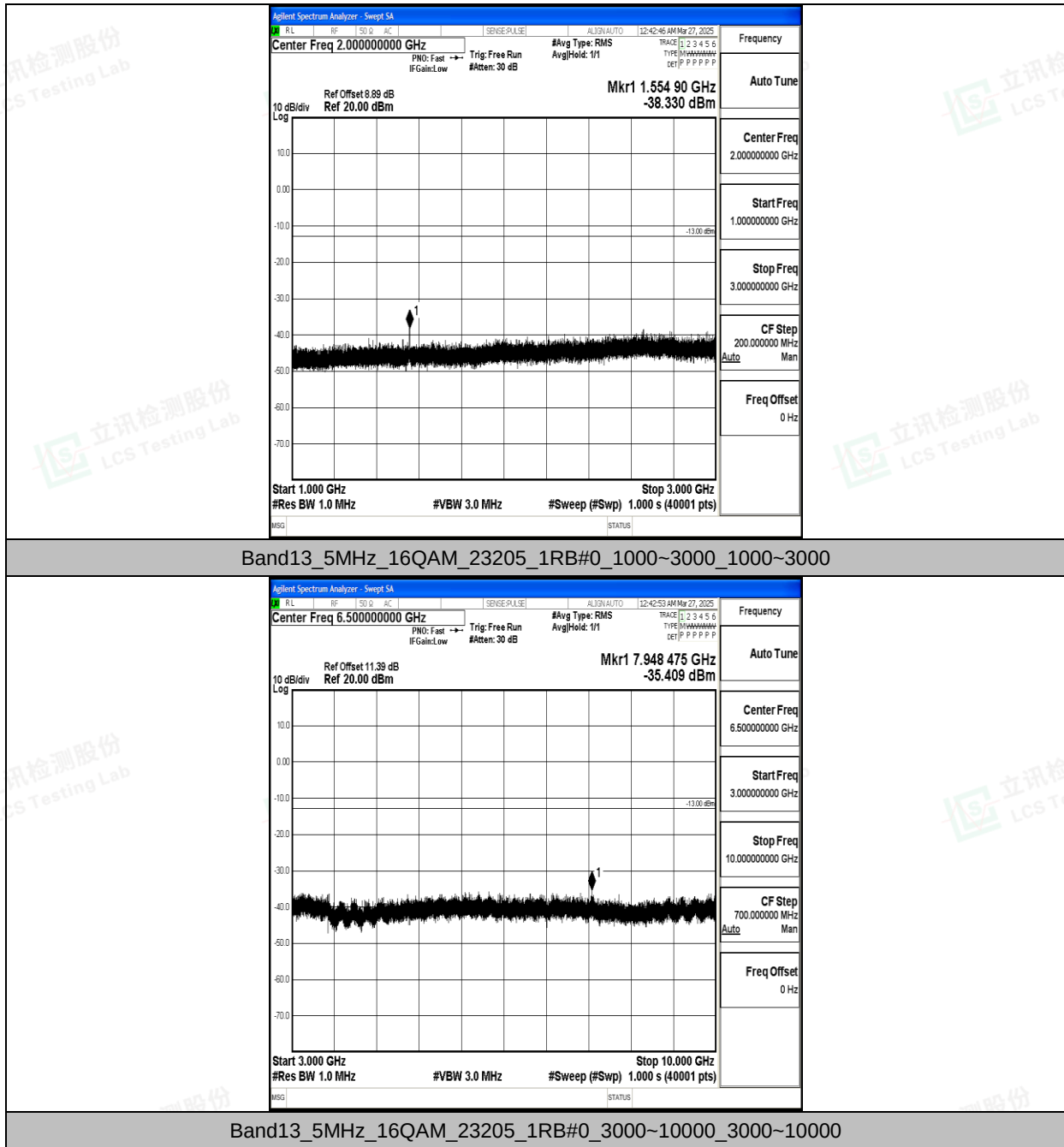


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

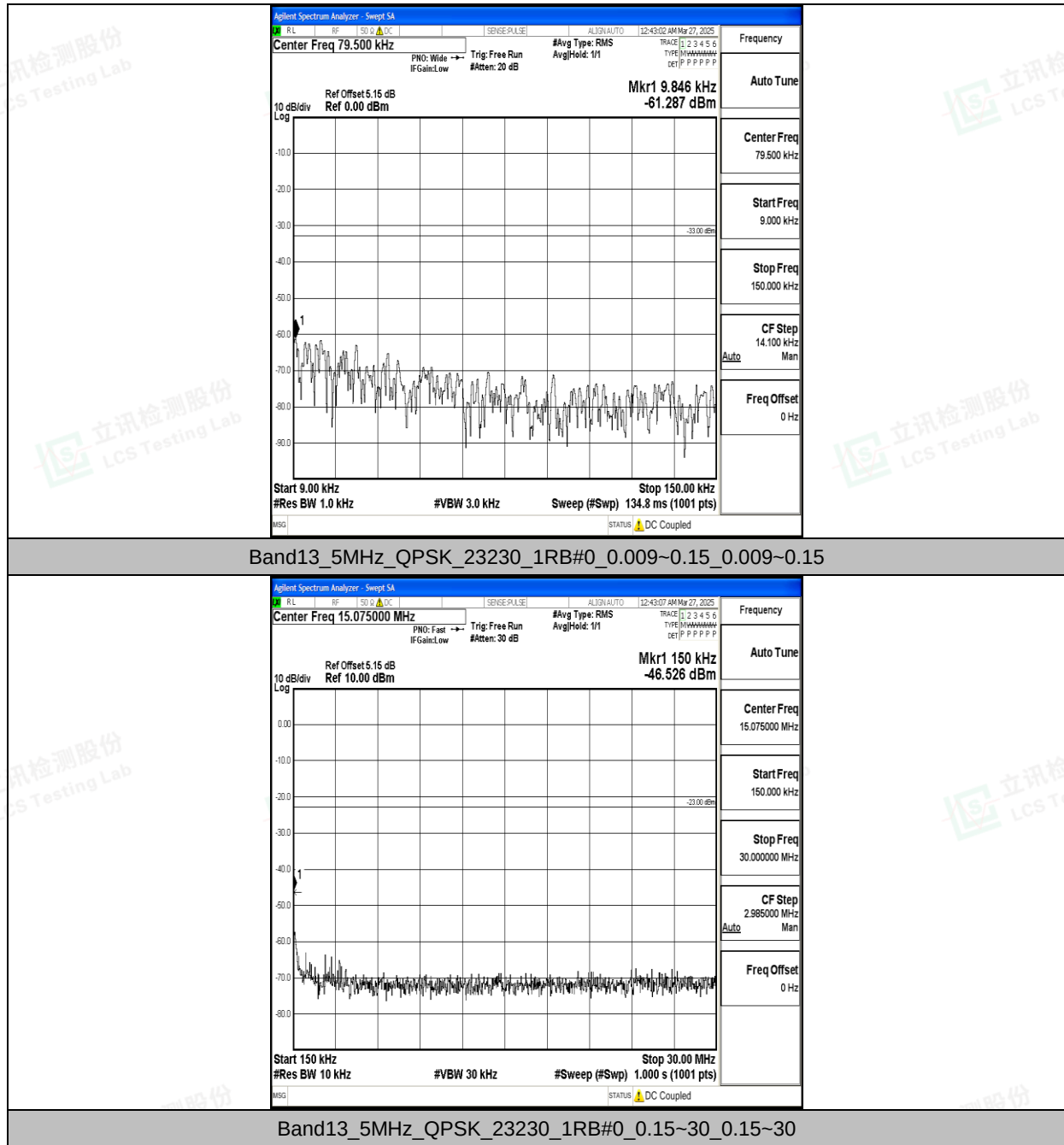


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

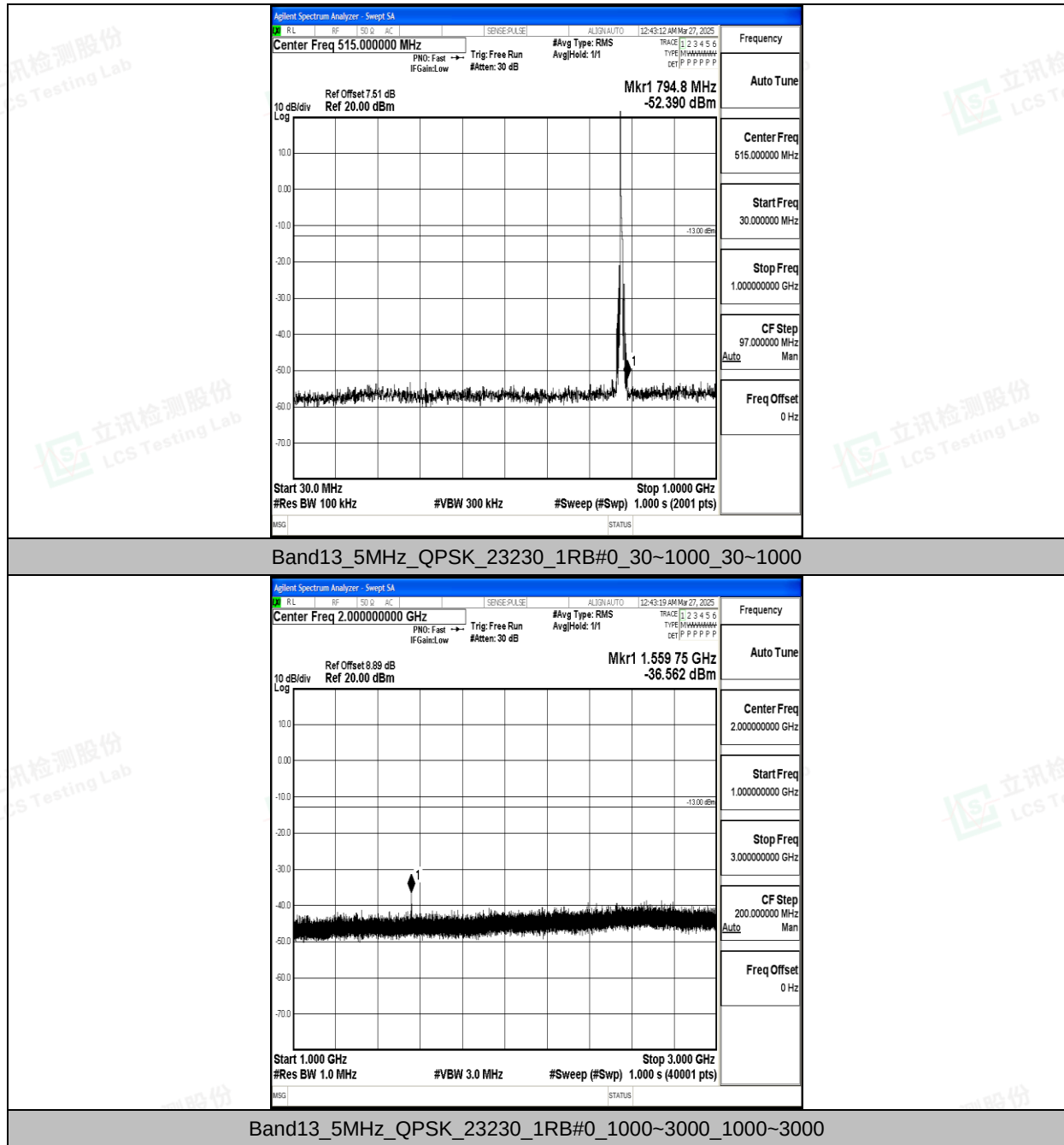


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

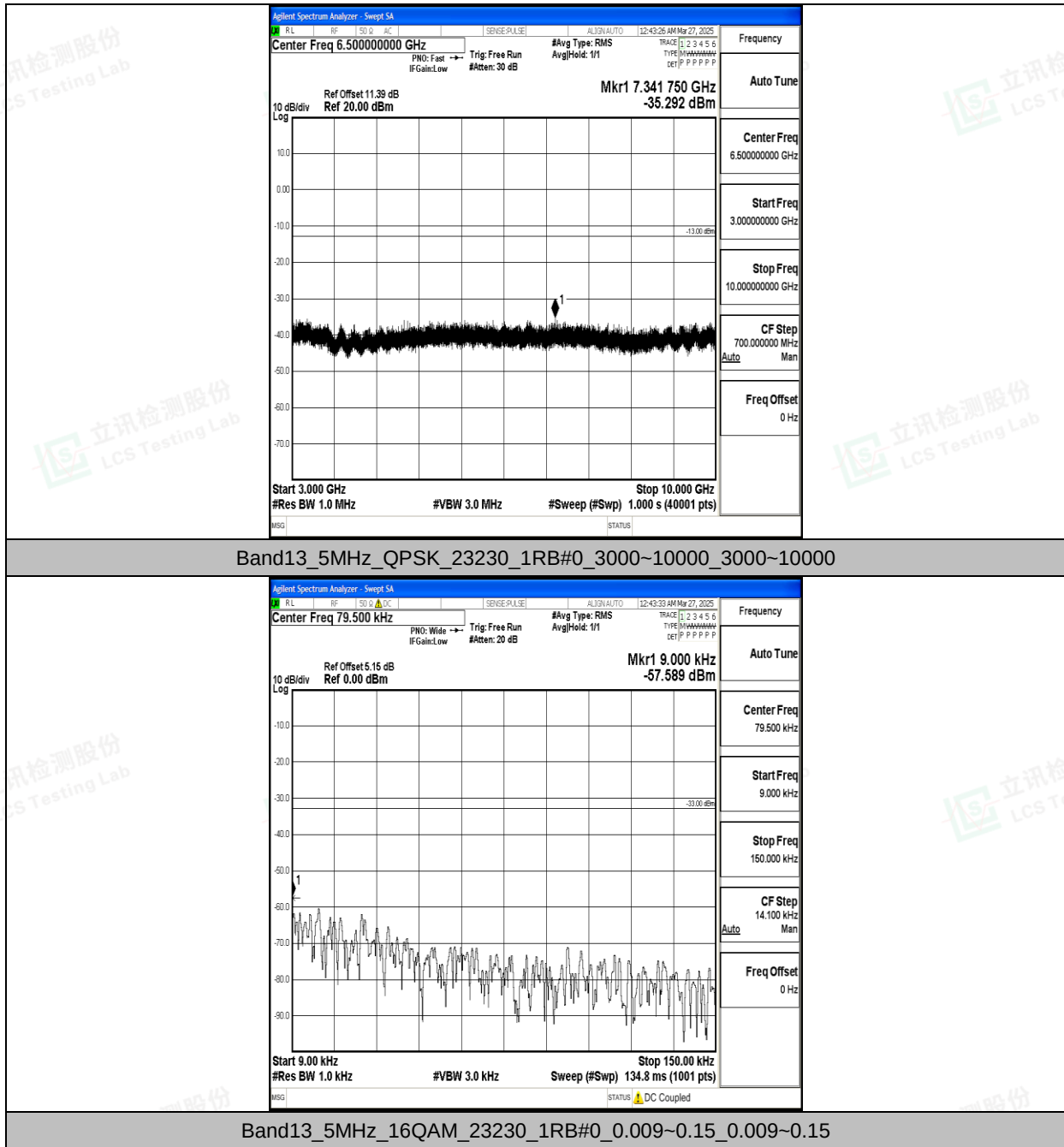


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

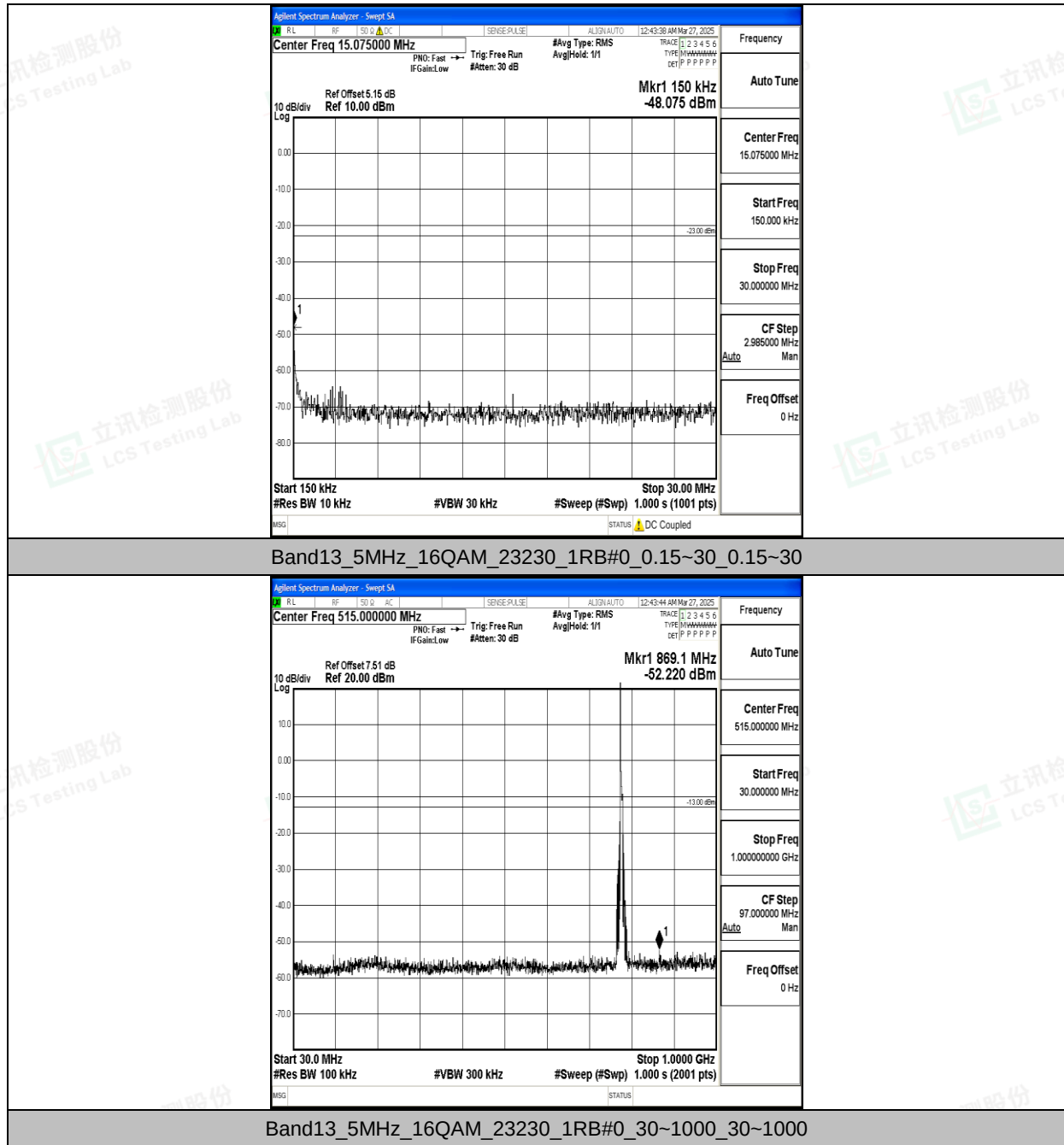


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

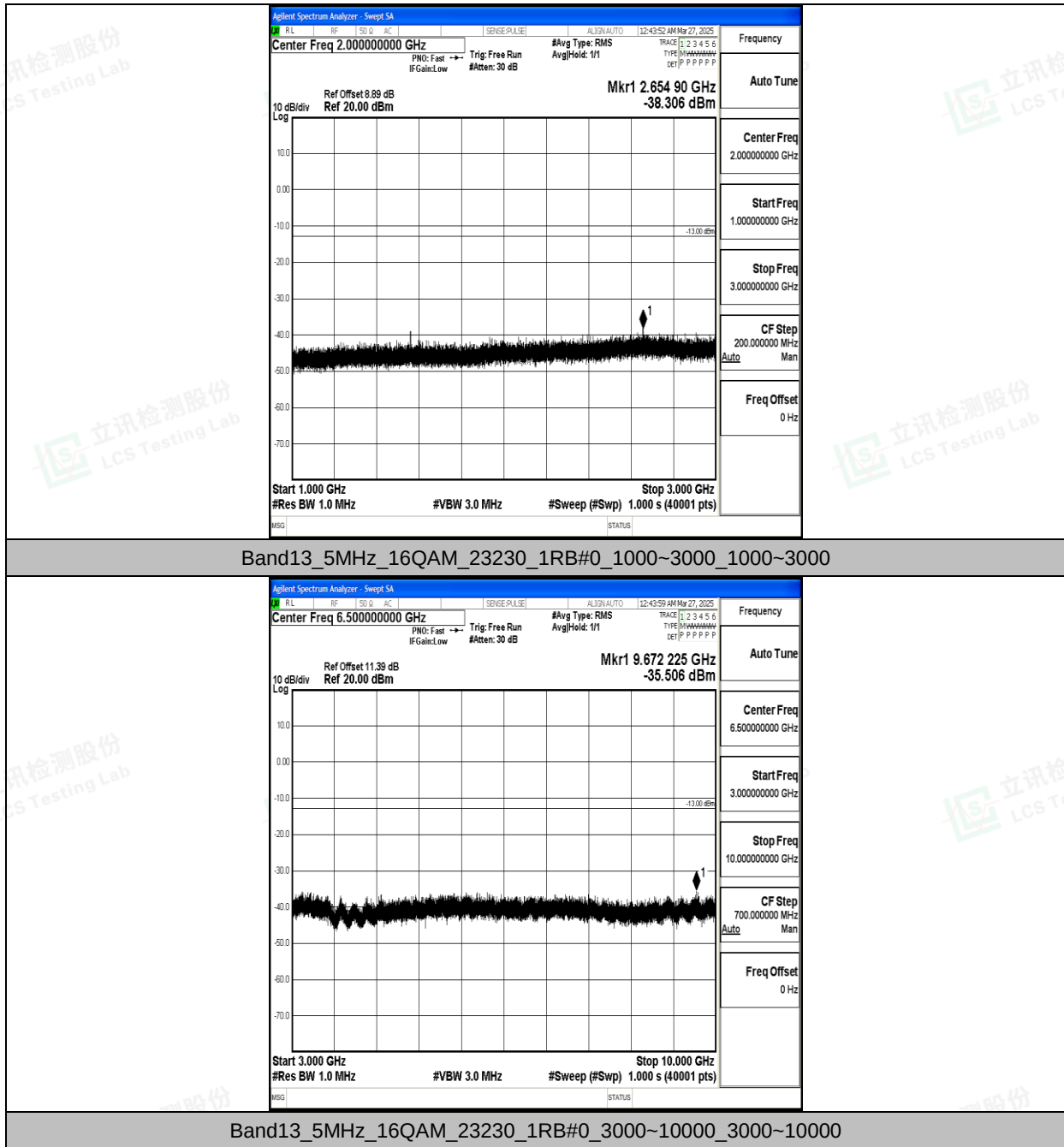


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

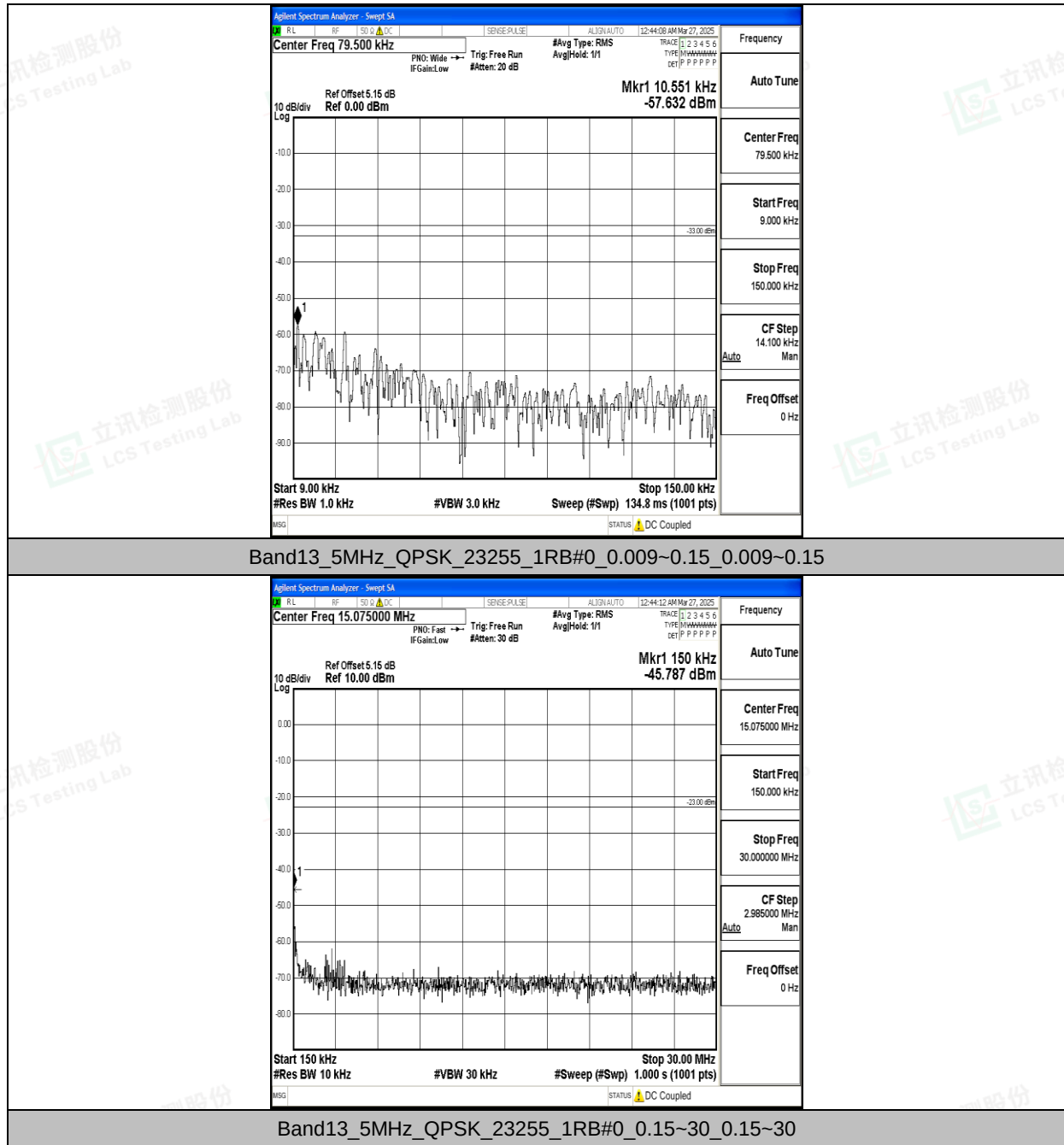


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

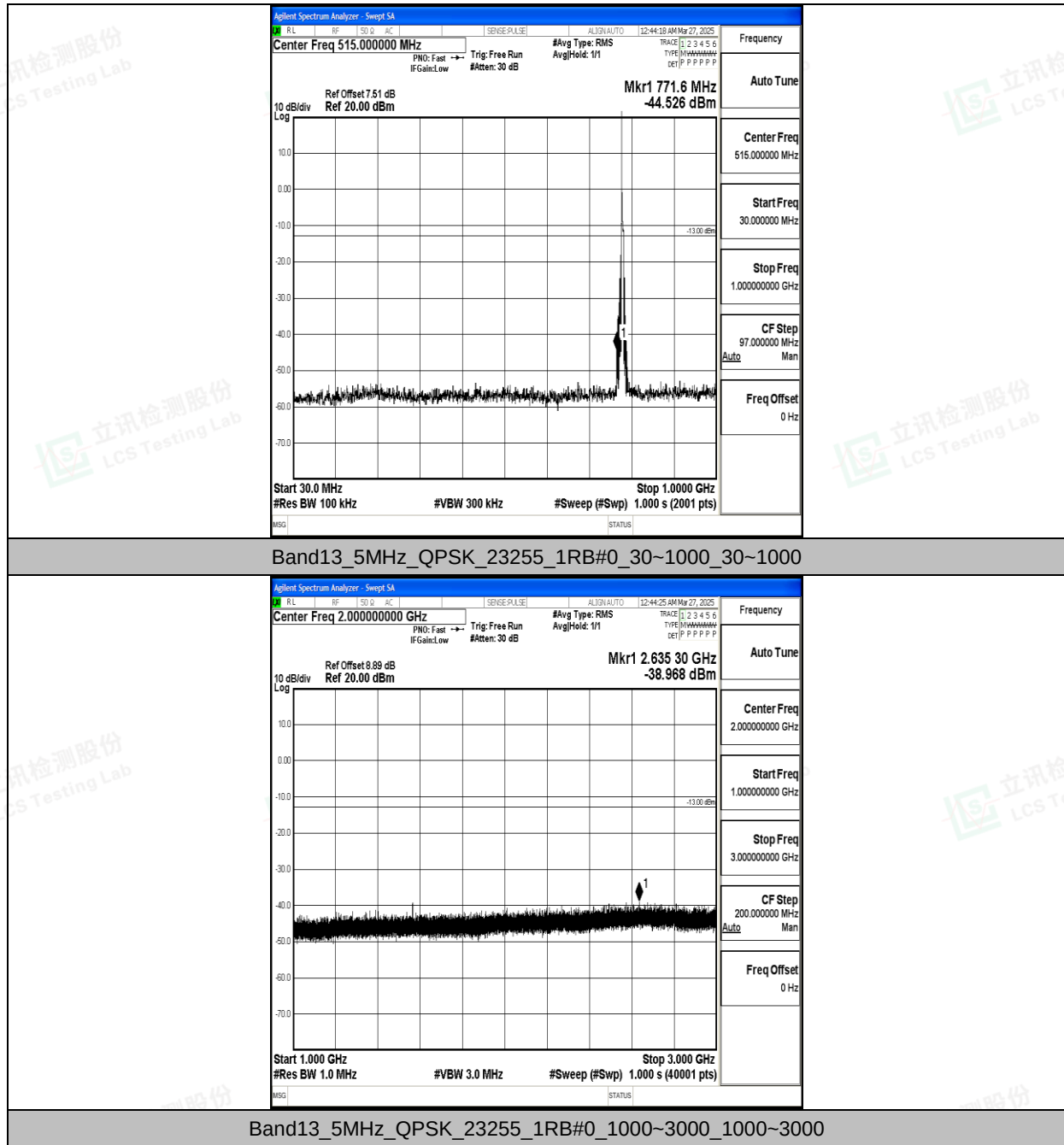


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

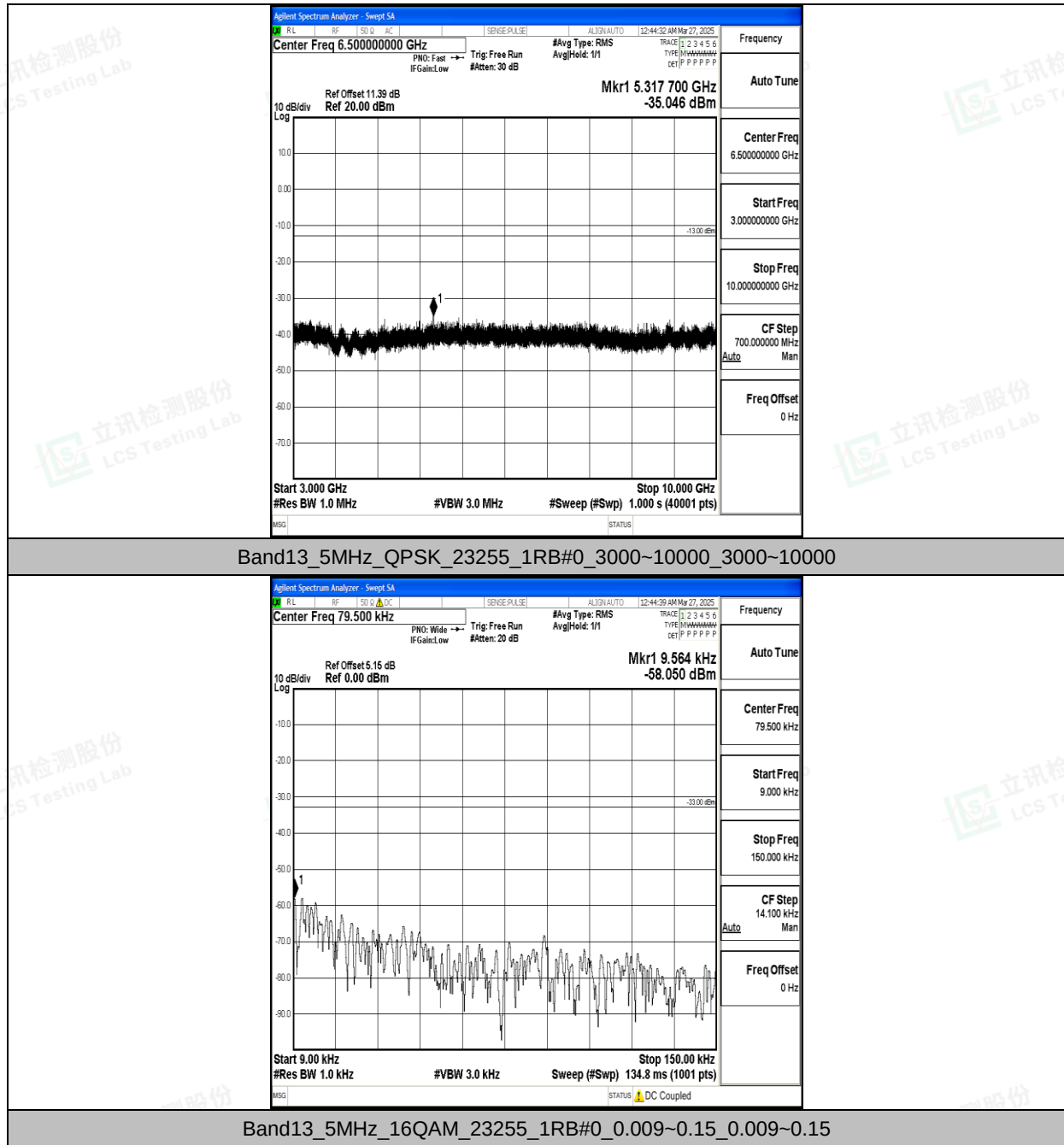


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

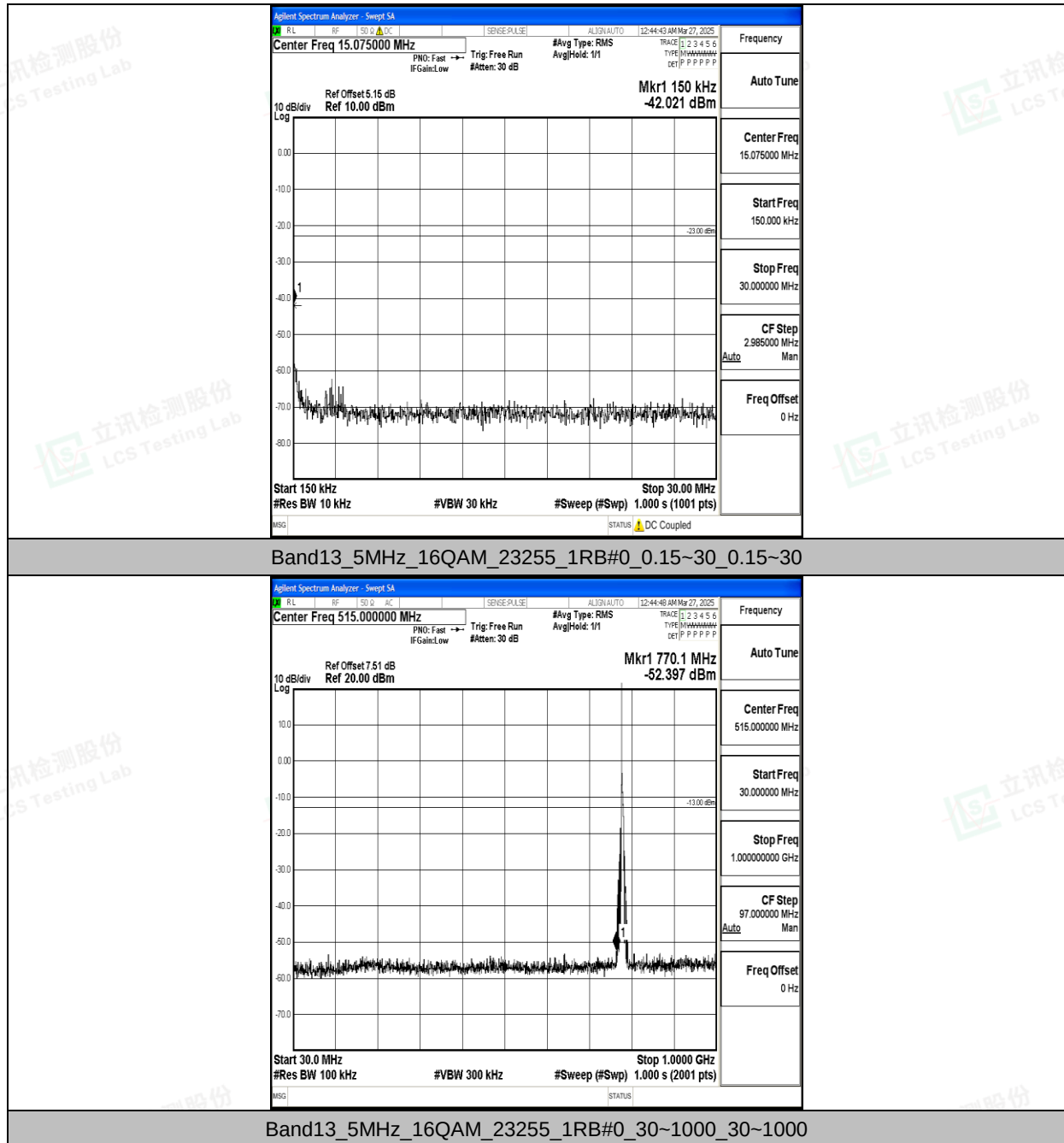


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

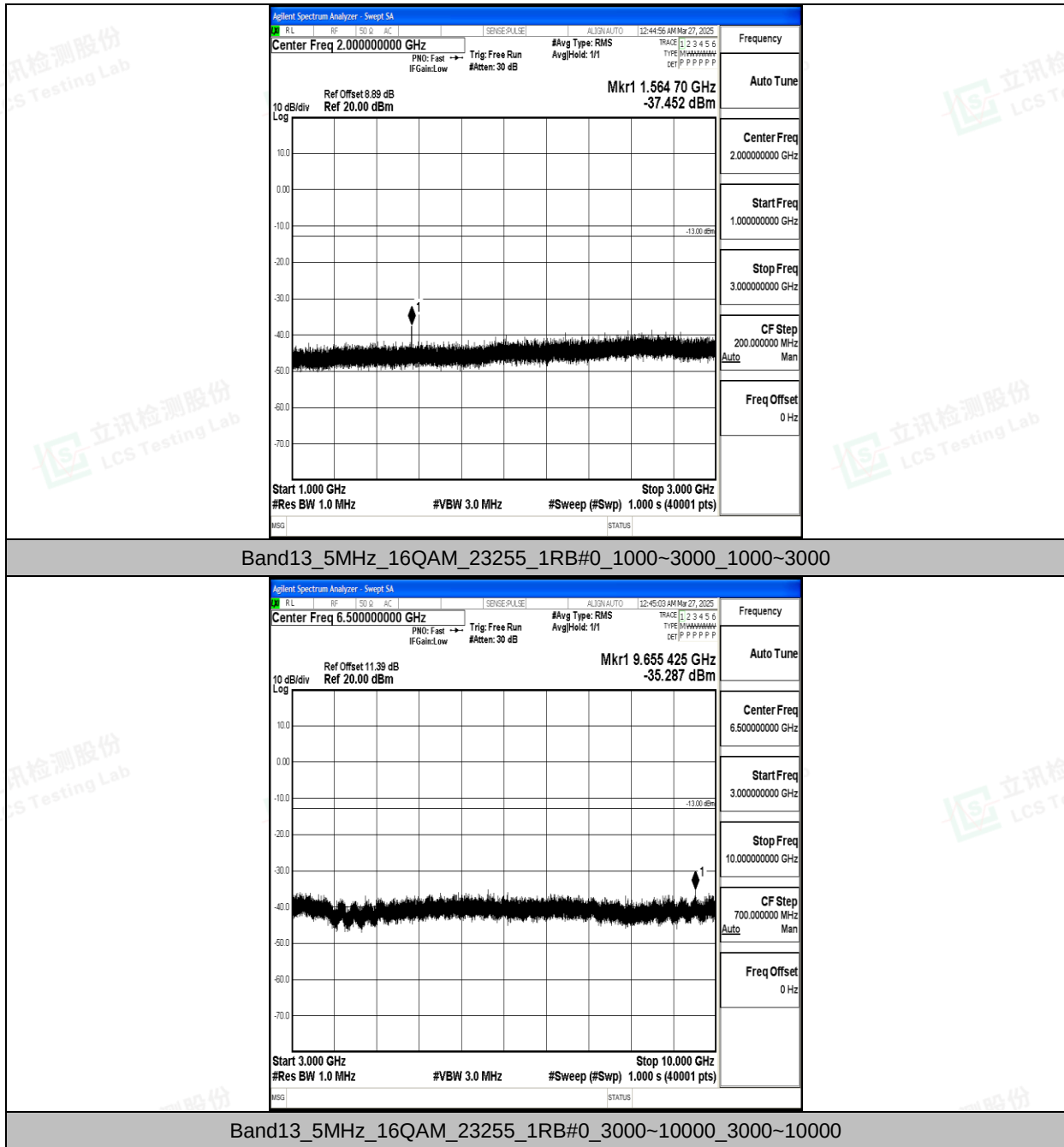


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

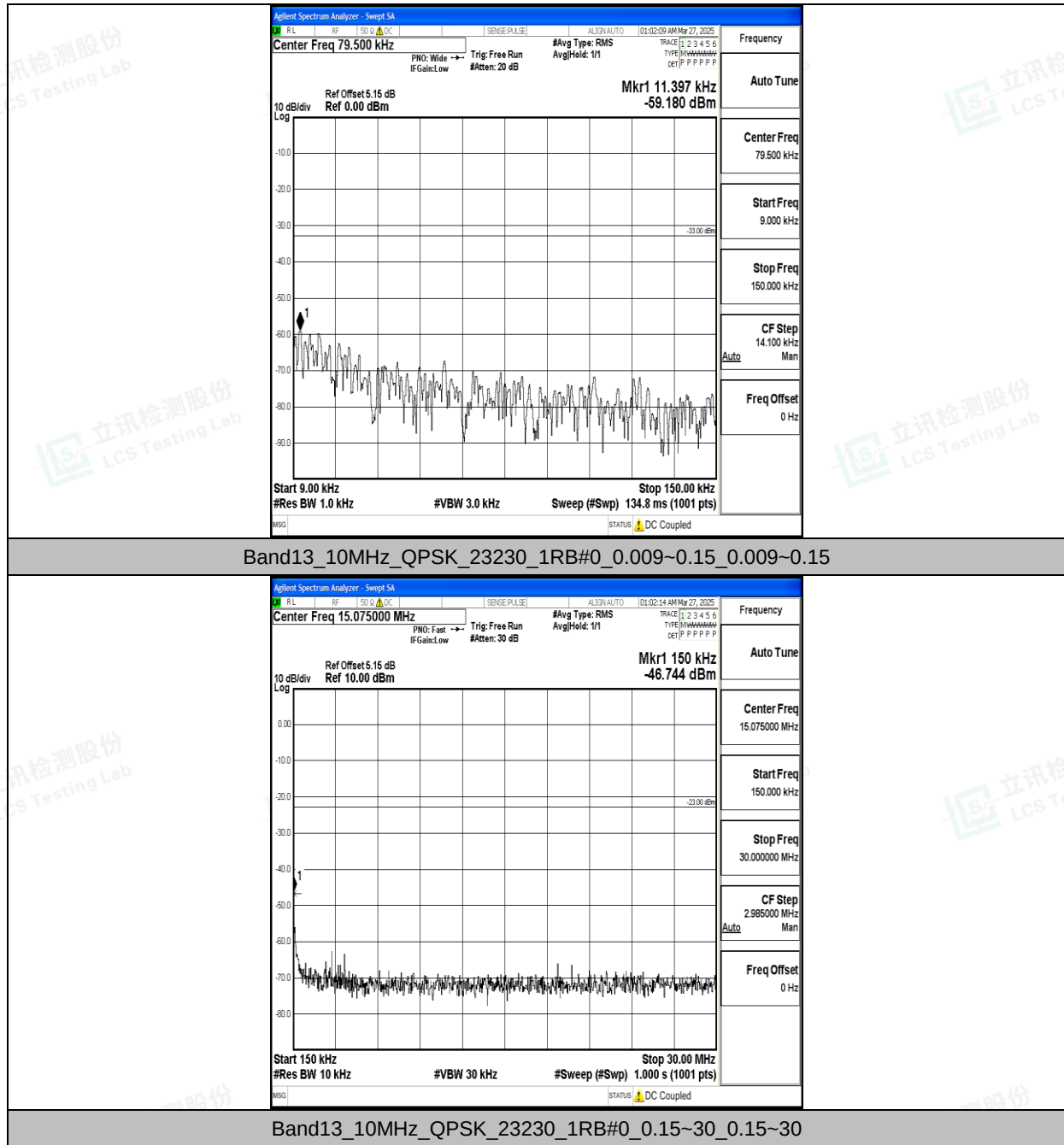


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

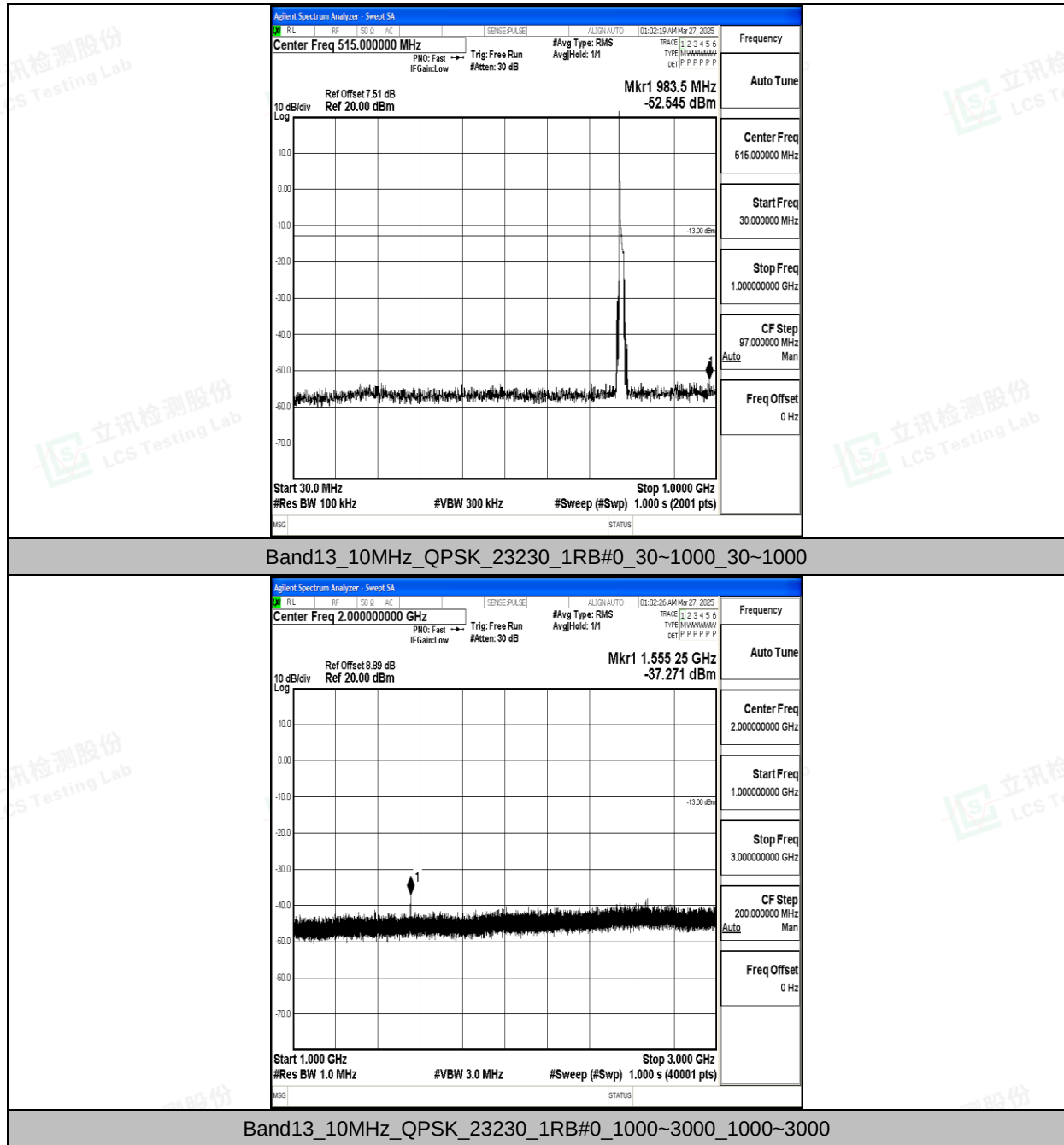


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

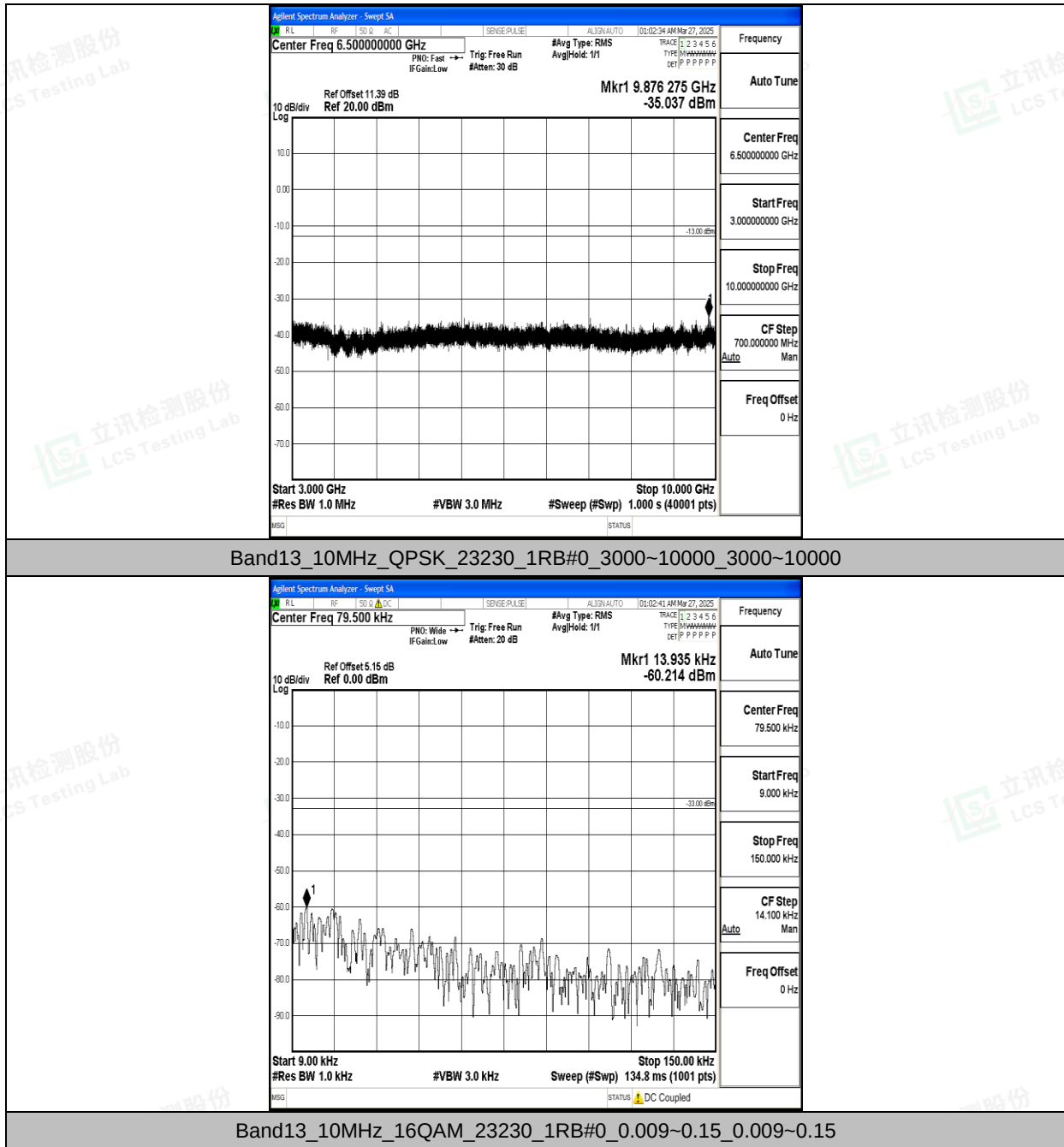


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

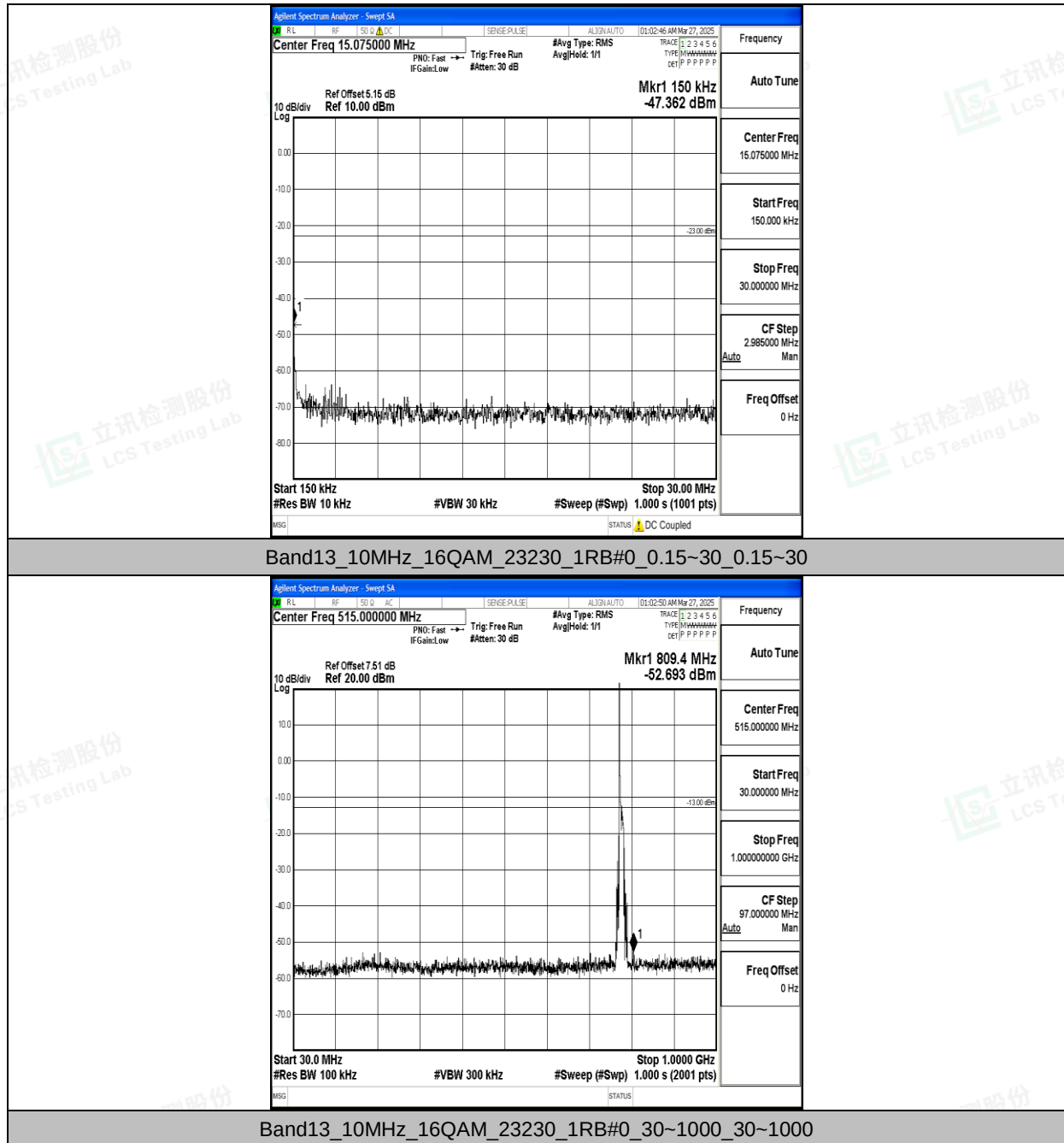


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

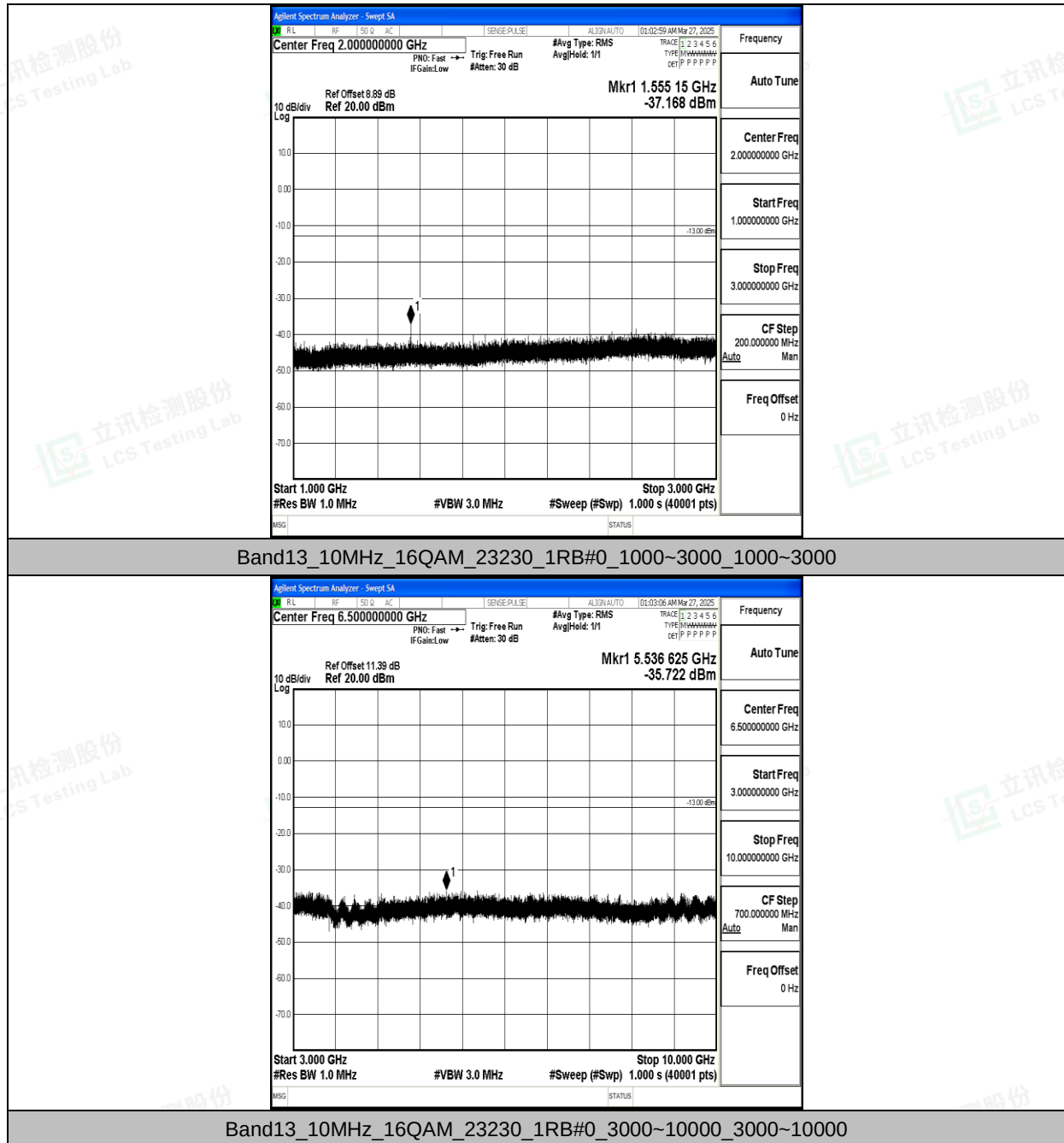


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



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