



## Appendix A

### RF Test Data for 900MHz (Conducted Measurement)

**Product Name: 1-Button Remote**

**Test Model: REM101M**

#### Environmental Conditions

|                    |            |
|--------------------|------------|
| Temperature:       | 24.5°C     |
| Relative Humidity: | 52.8%      |
| ATM Pressure:      | 100.0 kPa  |
| Test Engineer:     | Billy Yu   |
| Supervised by:     | Paddi Chen |



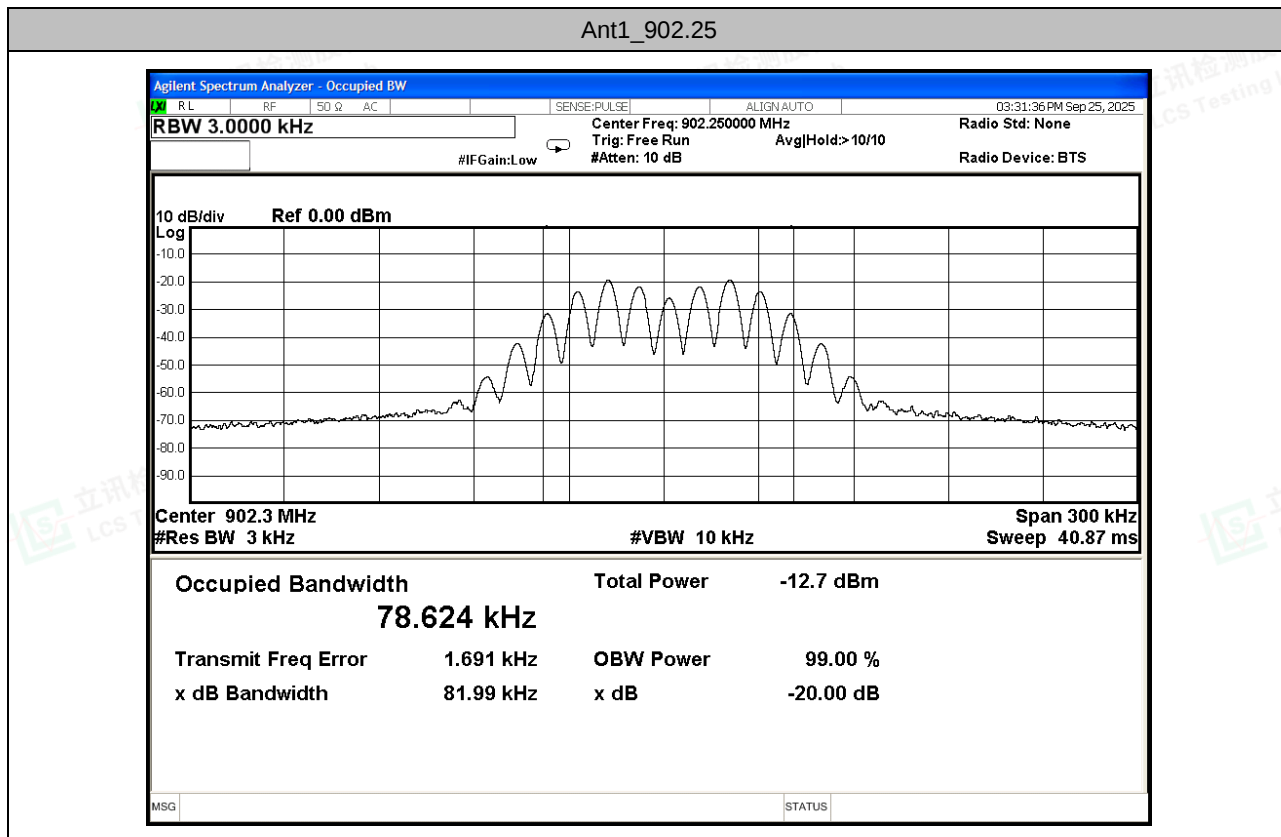


## A.1 20dB Emission Bandwidth

### Test Result

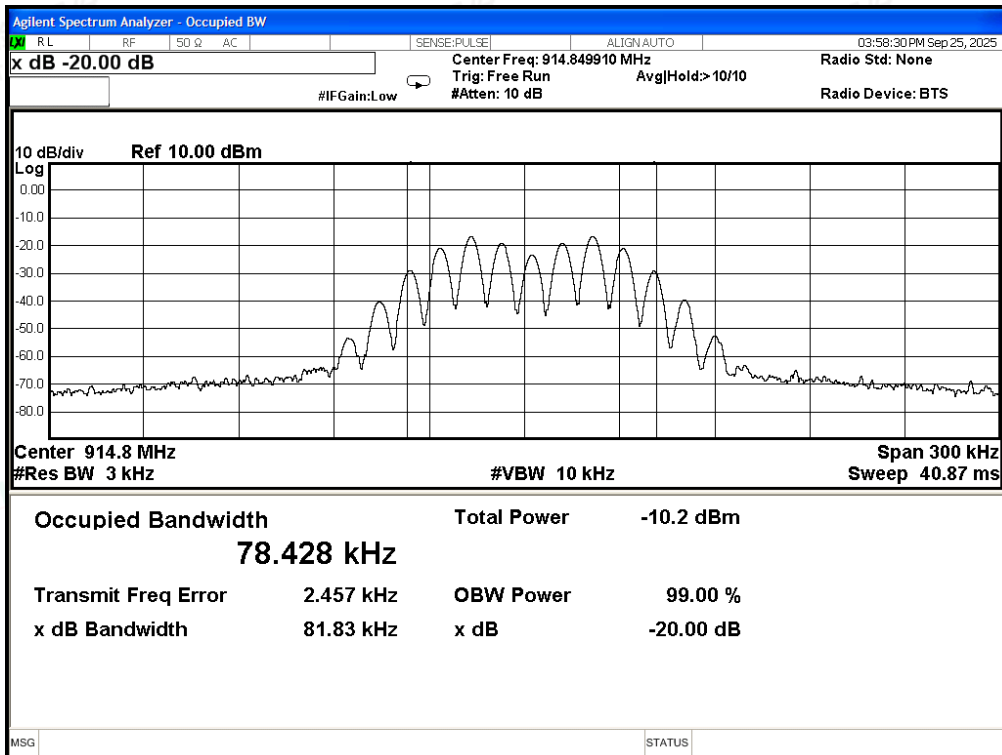
| Antenna | Channel[MHz] | 20db EBW[kHz] | Limit[MHz] | Verdict |
|---------|--------------|---------------|------------|---------|
| Ant1    | 902.25       | 81.99         | ---        | PASS    |
|         | 914.85       | 81.83         | ---        | PASS    |
|         | 927.55       | 82.03         | ---        | PASS    |

### Test Graphs

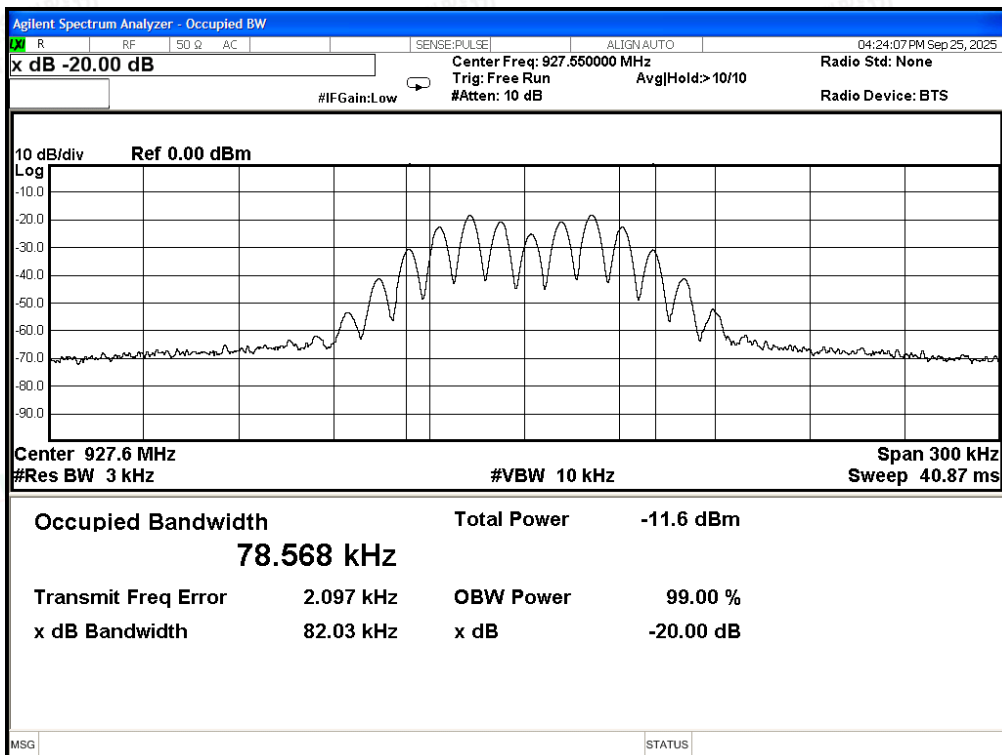




## Ant1\_914.85



## Ant1\_927.55



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



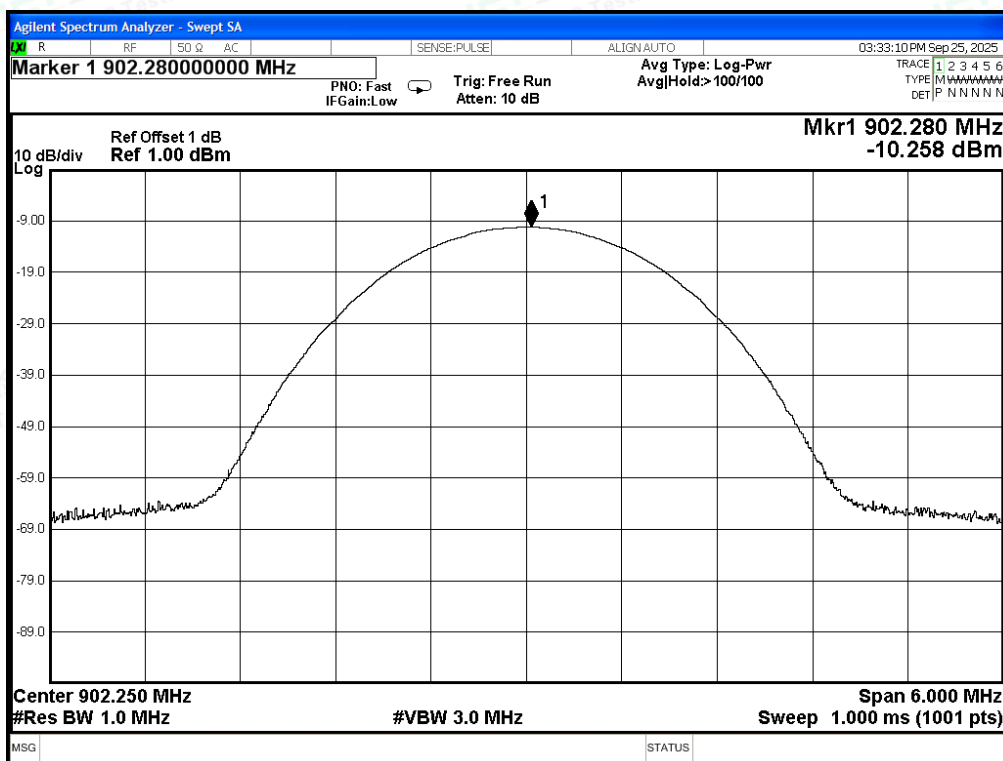
## A.2 Maximum Peak Conducted Output Power

### Test Result Peak

| Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|---------|----------------|---------------------------|----------------------|---------|
| Ant1    | 902.25         | -10.258                   | ≤30                  | PASS    |
|         | 914.85         | -12.418                   | ≤30                  | PASS    |
|         | 927.55         | -11.149                   | ≤30                  | PASS    |

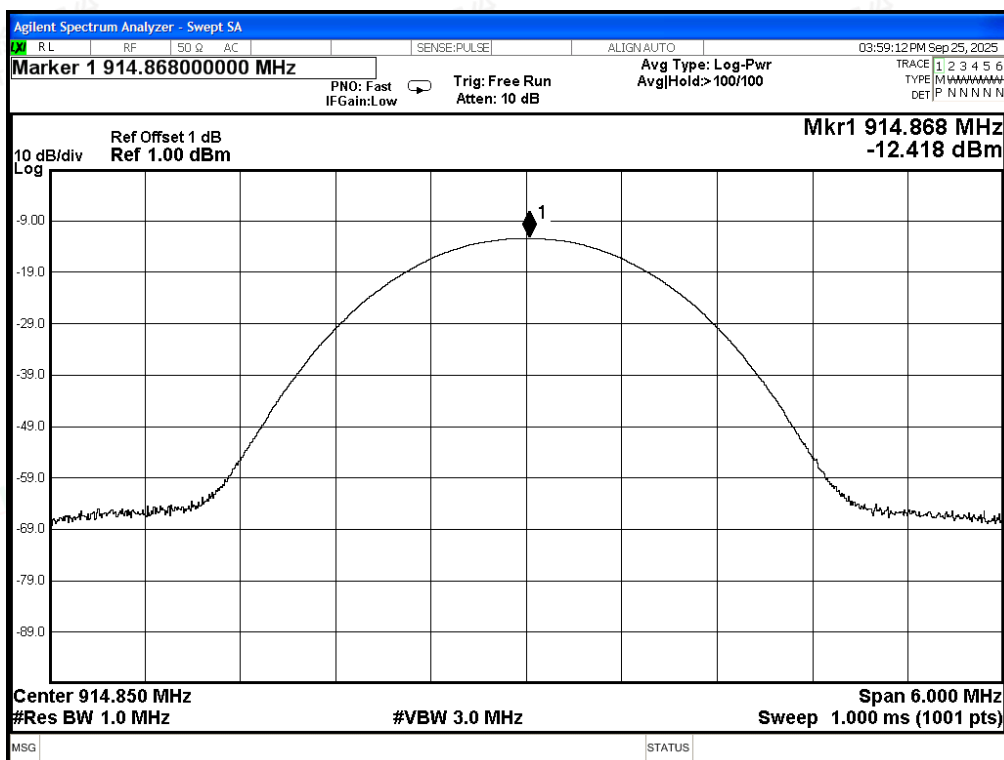
### Test Graphs

Ant1\_902.25

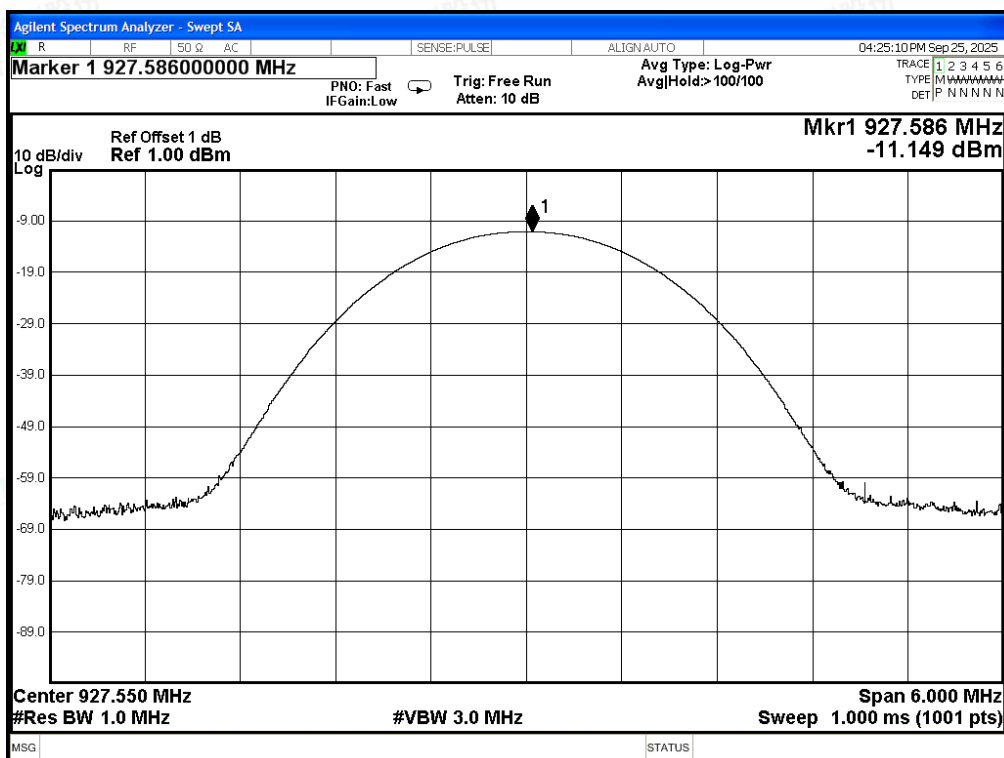




## Ant1\_914.85



## Ant1\_927.55



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



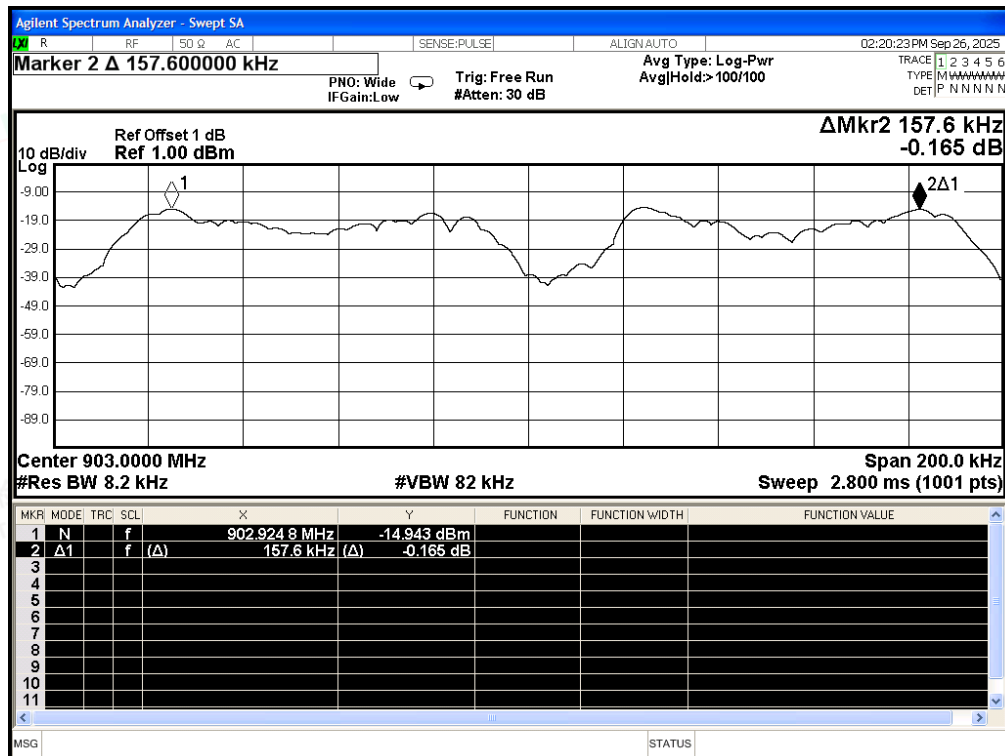
## A.3 Carrier frequency separation

### Test Result

| Antenna | Channel[MHz] | Result[kHz] | Limit[kHz] | Verdict |
|---------|--------------|-------------|------------|---------|
| Ant1    | Hop          | 157.6       | 82.03      | PASS    |

### Test Graphs

Ant1\_Hop





A.4 Time of occupancy

Test Result

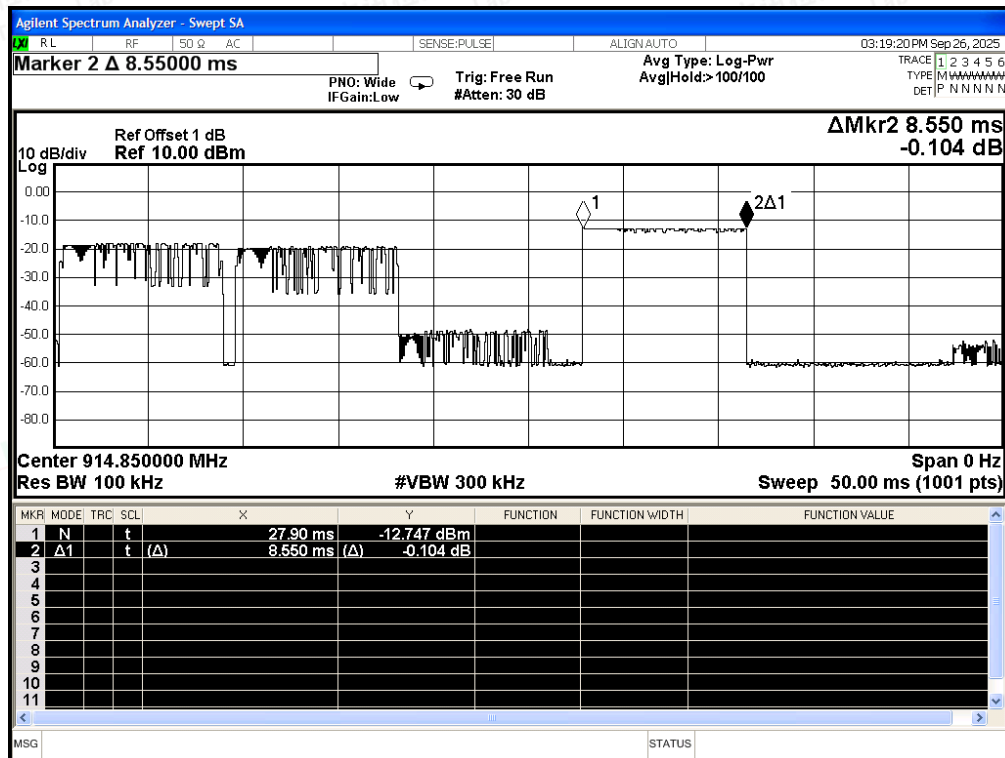
| Antenna | Channel[MHz] | Burst Width[ms] | Total Hops[Num] | Result[ms] | Limit[ms] | Verdict |
|---------|--------------|-----------------|-----------------|------------|-----------|---------|
| Ant1    | Hop          | 8.550           | 15              | 128.25     | <=400     | PASS    |



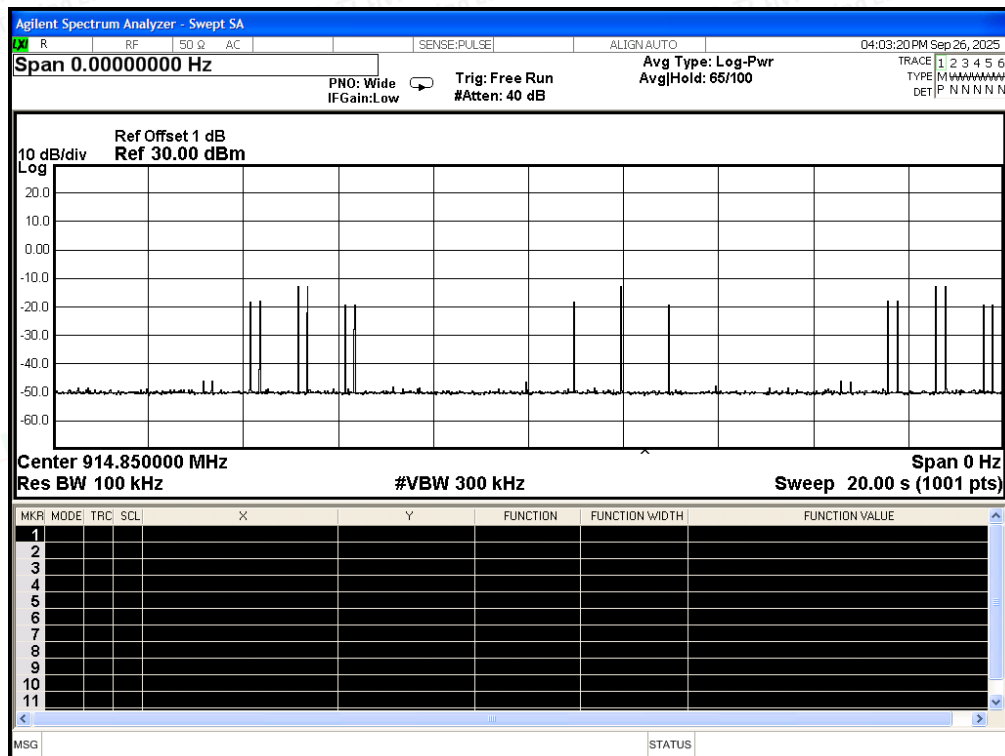


## Test Graphs

Ant1\_Hop



Ant1\_Hop



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



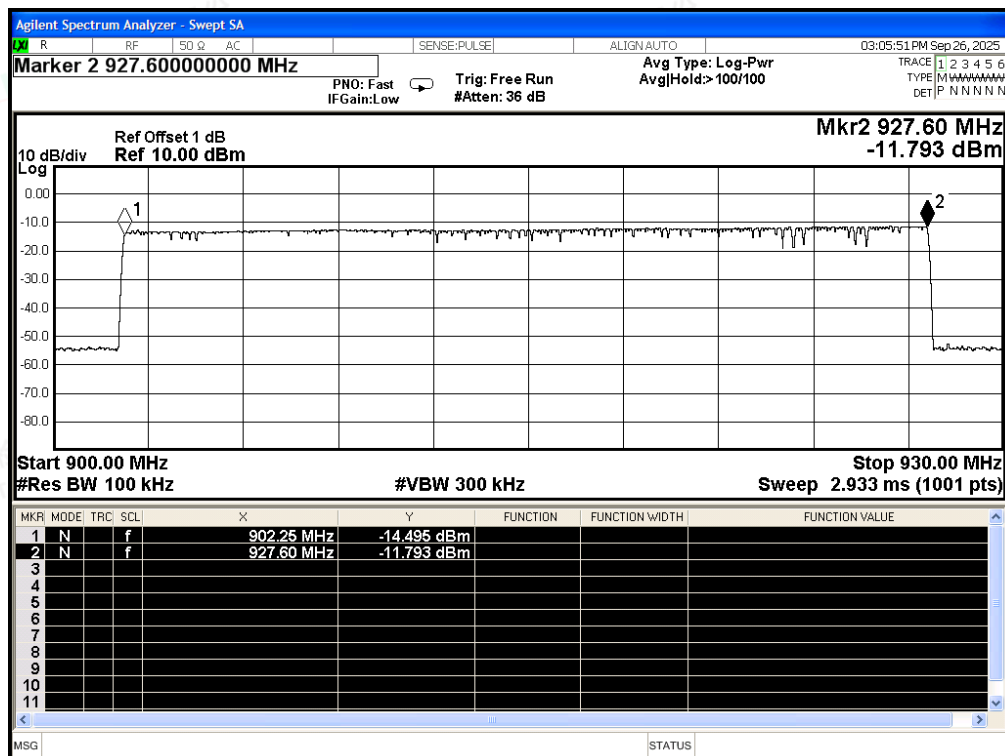
## A.5 Number of hopping channels

### Test Result

| Antenna | Channel | Result[Num] | Limit[Num] | Verdict |
|---------|---------|-------------|------------|---------|
| Ant1    | Hop     | 254         | >=50       | PASS    |

### Test Graphs

Ant1\_Hop



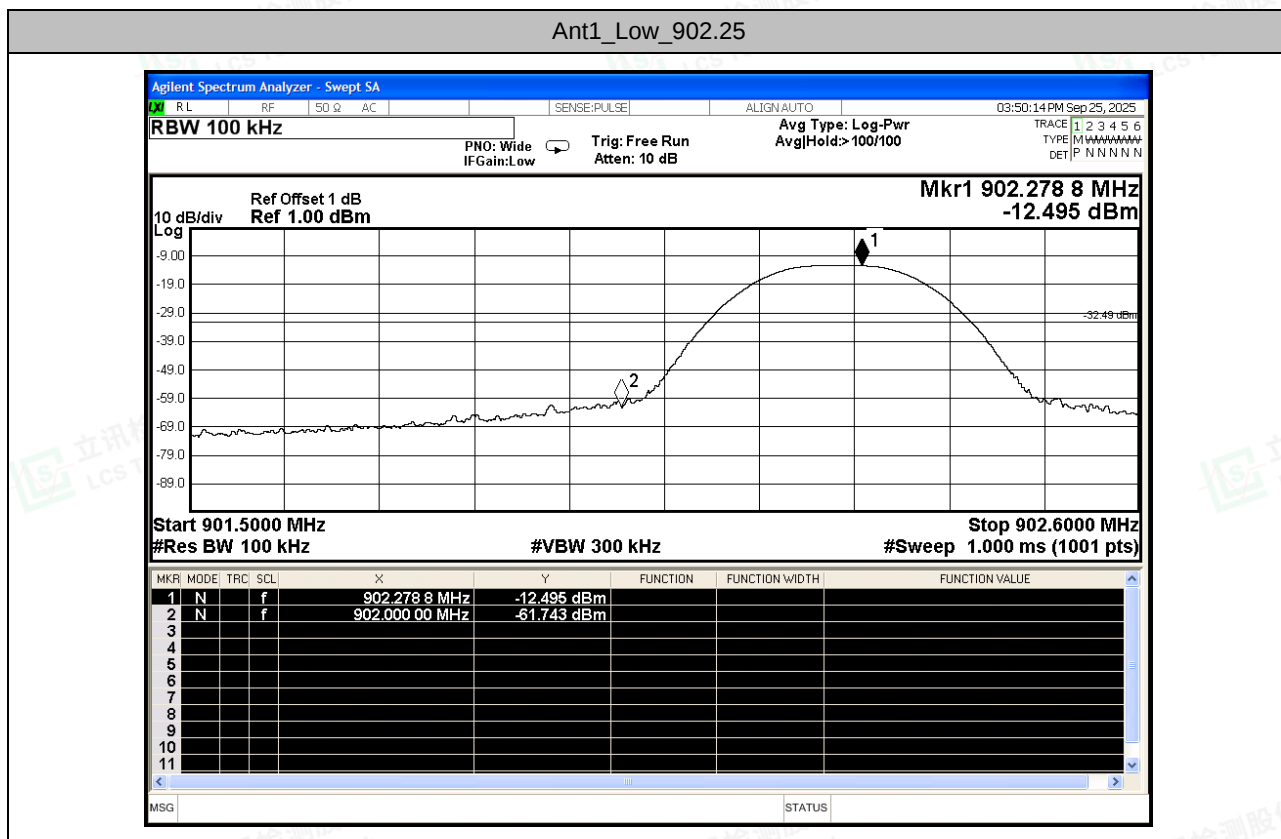


## A.6 Band edge measurements

### Test Result

| Antenna | Ch Name | Channel[MHz] | Ref Level[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|---------|---------|--------------|----------------|-------------|------------|---------|
| Ant1    | Low     | 902.25       | -12.495        | -61.743     | <=-32.49   | PASS    |
|         | High    | 927.55       | -10.114        | -56.266     | <=-30.11   | PASS    |
|         | Low     | 902.25       | -13.711        | -54.112     | <=-33.71   | PASS    |
|         | High    | 927.55       | -11.703        | -54.406     | <=-31.70   | PASS    |

### Test Graphs



Shenzhen LCS Compliance Testing Laboratory Ltd.

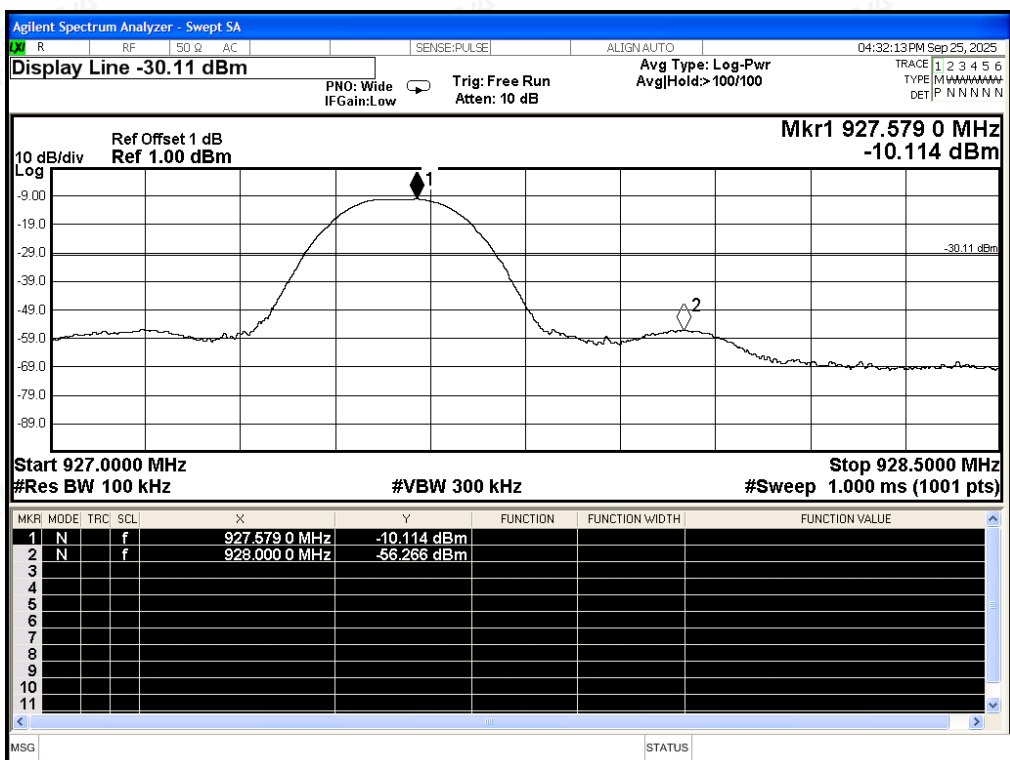
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

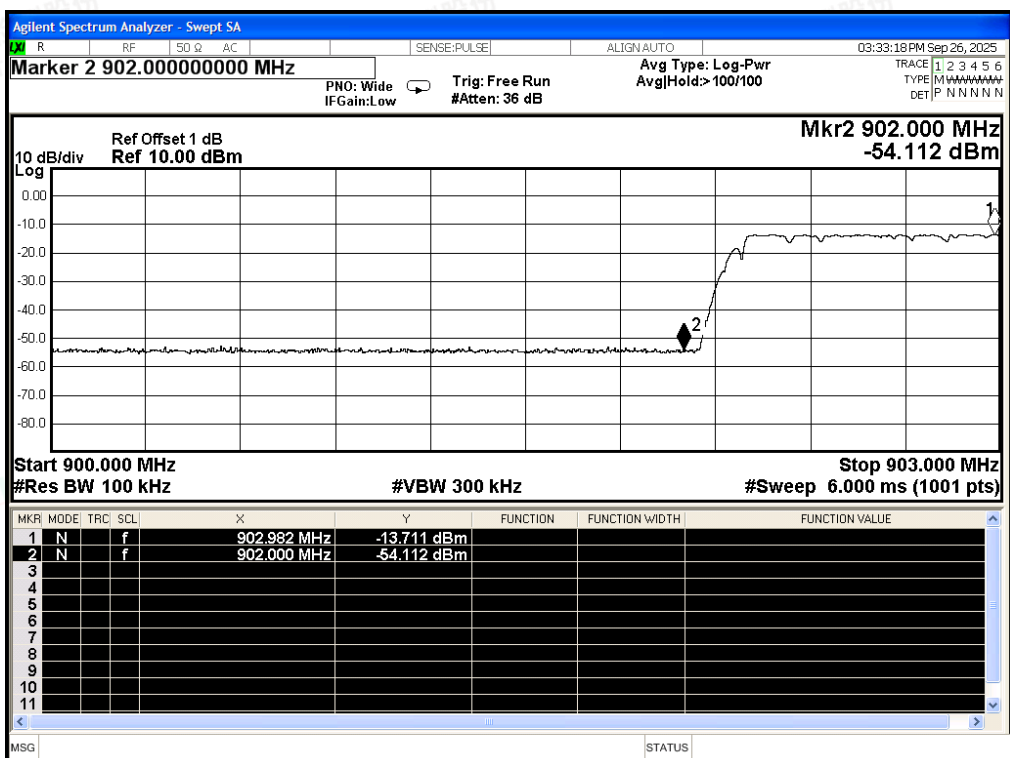
Scan code to check authenticity



## Ant1\_High\_927.55



## Ant1\_Low\_Hop\_902.25



Shenzhen LCS Compliance Testing Laboratory Ltd.

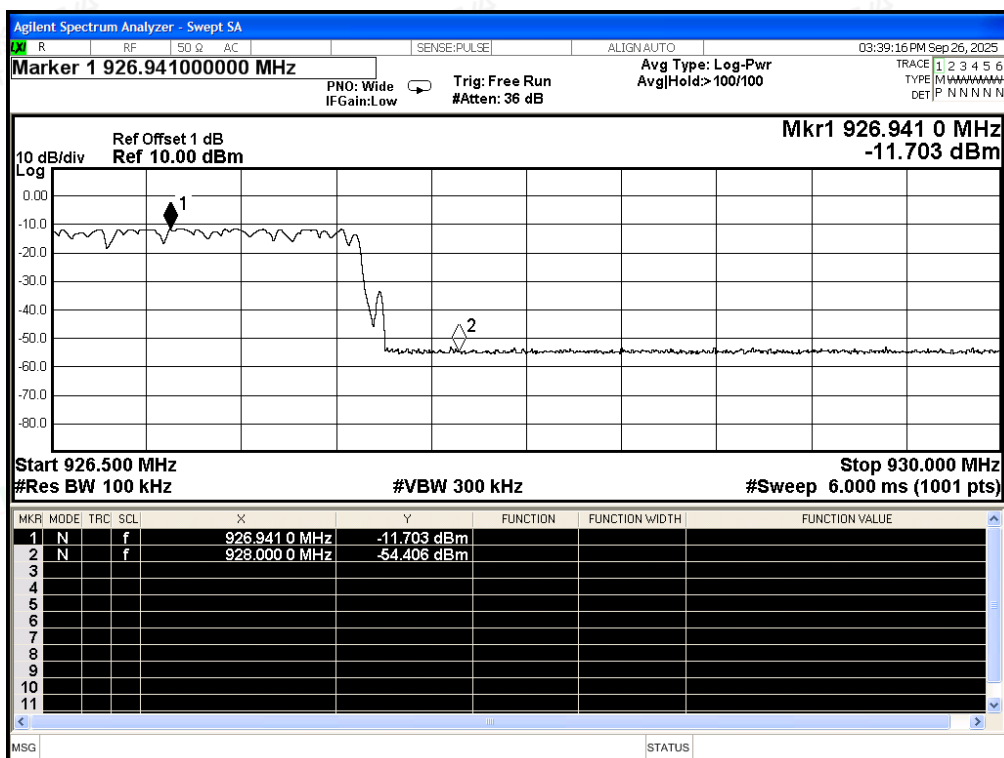
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



## Ant1\_High\_Hop\_927.55



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



## A.7 Conducted Spurious Emission

### Test Result

| Antenna | Channel[MHz] | Freq Range<br>[MHz] | Ref Level<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|---------|--------------|---------------------|--------------------|-----------------|----------------|---------|
| Ant1    | 902.25       | 30~26500            | -11.069            | -35.270         | <=-31.07       | PASS    |
|         | 914.85       | 30~26500            | -12.426            | -45.660         | <=-32.47       | PASS    |
|         | 927.55       | 30~26500            | -11.126            | -45.248         | <=-31.13       | 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

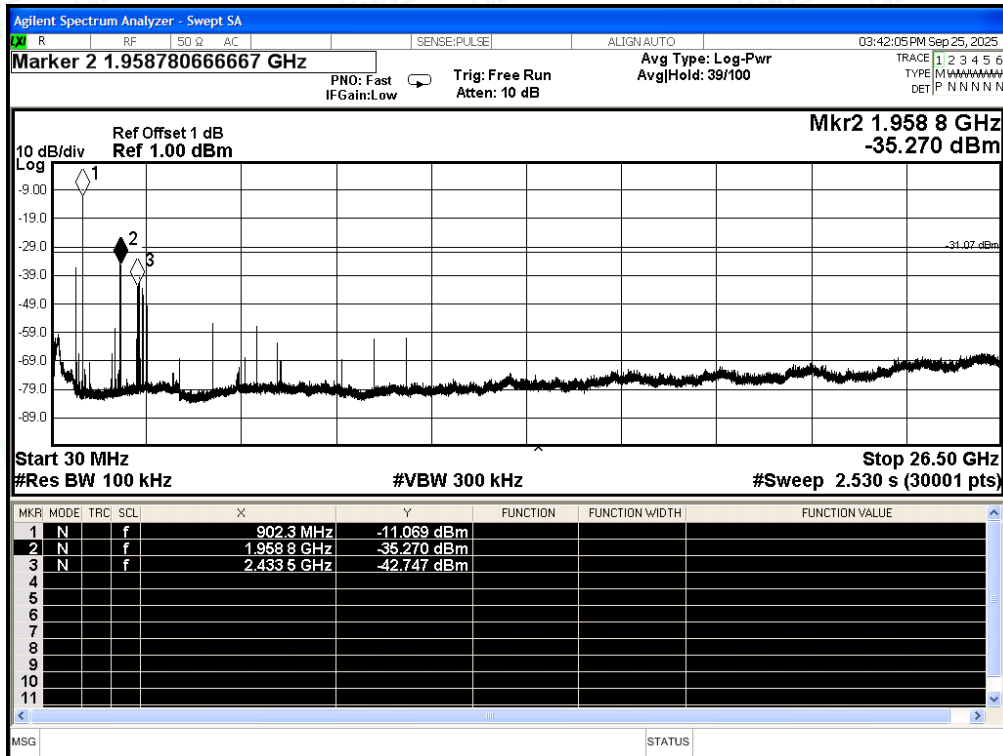
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

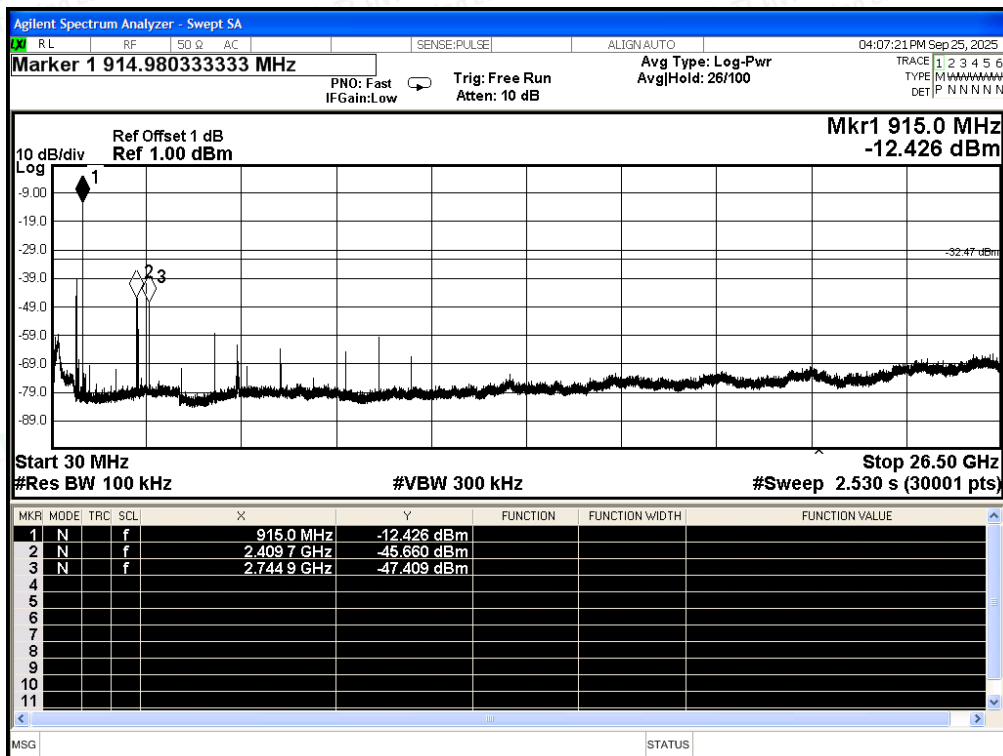


## Test Graphs

Ant1\_902.25\_30~26500



Ant1\_914.85\_30~26500



Shenzhen LCS Compliance Testing Laboratory Ltd.

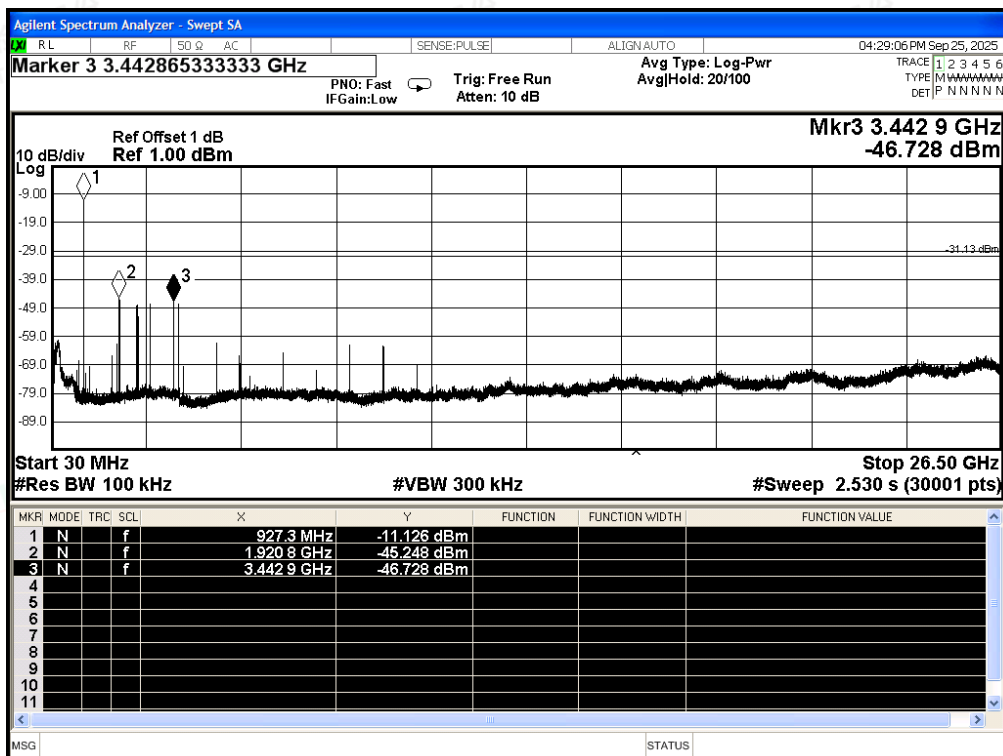
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Ant1\_927.55\_30~26500



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