

ShenZhen City Flink Wi Technology CO., LTD.

SPECIFICATION FOR APPROVED

CUSTOMER: \_\_\_\_\_

PRODUCTS: \_\_\_\_\_ Antenna \_\_\_\_\_

PART NO: \_\_\_\_\_

Spec. : \_\_\_\_\_ YL-S8-60-V2 \_\_\_\_\_

Data: \_\_\_\_\_ 2025. 08. 11 \_\_\_\_\_

| SUPPLIER    |            |             |
|-------------|------------|-------------|
| PREPARED BY | CHECKED BY | APPROVED BY |
|             |            |             |

| CUSTOMER    |            |             |
|-------------|------------|-------------|
| ACCEPTED BY | CHECKED BY | APPROVED BY |
|             |            |             |

REMARK: Please send us one(or copy) of this approval with stamp after accepting, other copies filed by the customer.

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## ANTENNASPECIFICATION

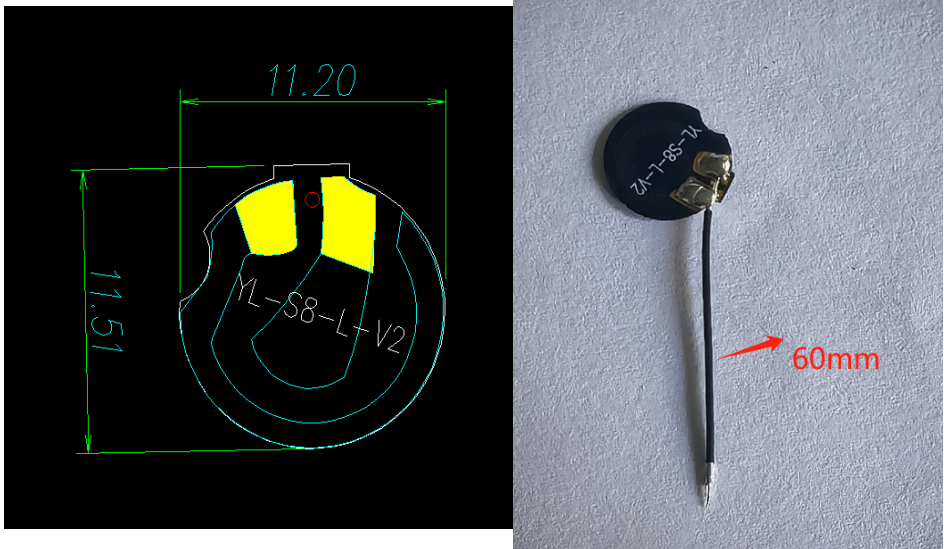
### Revision history

| VERSIONS | DATE       | STATE         |
|----------|------------|---------------|
| V1       | 2025-08-10 | First Version |
|          |            |               |
|          |            |               |
|          |            |               |

# ANTENNASPECIFICATION

## 1. Project Information

### 1.1. Appearance and Dimensions

| Test point         | Specifications                                                                      | Test result |
|--------------------|-------------------------------------------------------------------------------------|-------------|
| Overall dimensions | 11.2mm*11.5mm                                                                       | OK          |
|                    |                                                                                     | OK          |
|                    |                                                                                     |             |
| Drawing            |  |             |

| Inspection items       |                                     | Inspection results |
|------------------------|-------------------------------------|--------------------|
| Material specification | 25um copper+12.5um glue+12.5umPI    | OK                 |
| Material               | Half and half (Electrolytic copper) | OK                 |
| Material               | gummed paper (3M300LSE)             | OK                 |
| Electroplate           | Gold plating                        | OK                 |
| Appearance             | Surface: matte black                | OK                 |

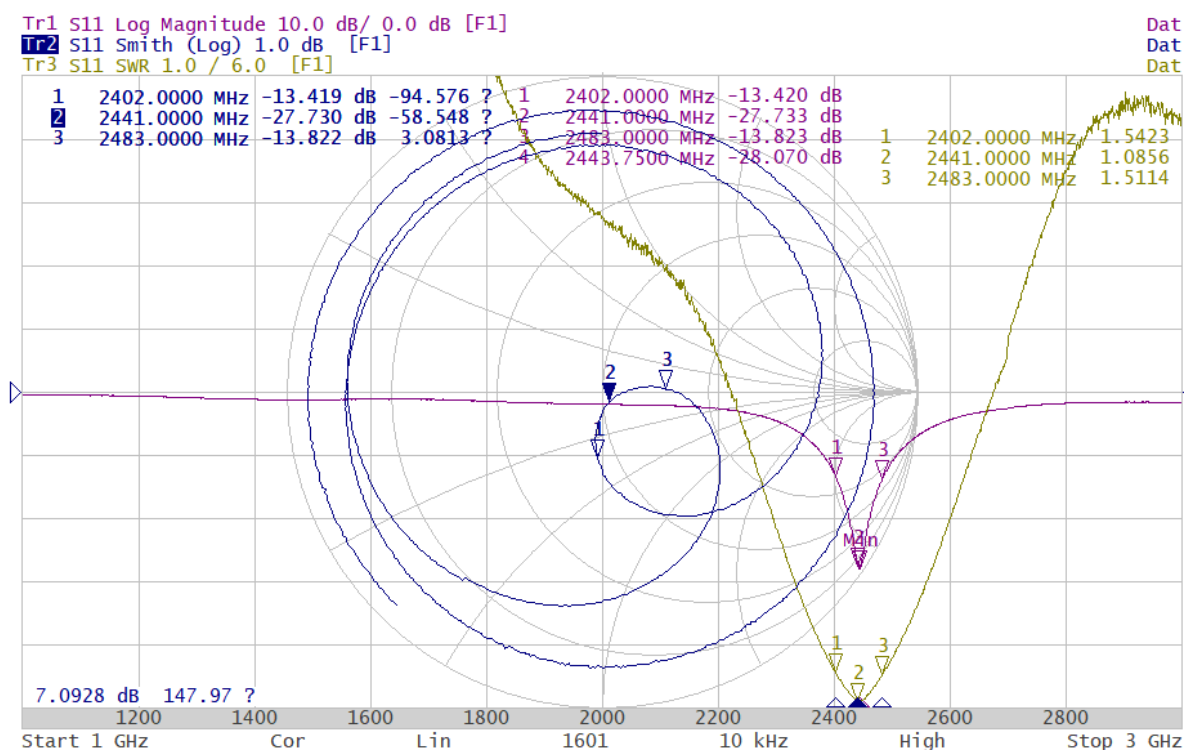
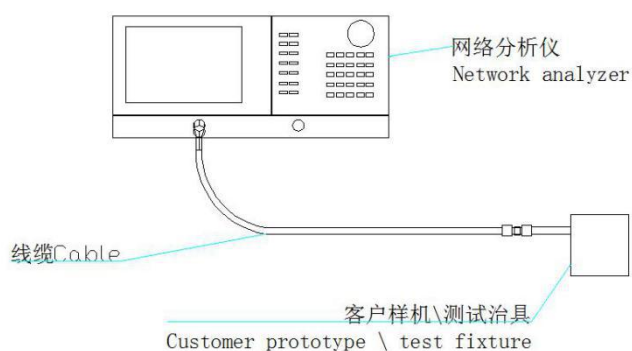
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## 2. Electrical Characteristics

### 2.1. Test Environment Conditions

|             |                                  |
|-------------|----------------------------------|
| Temperature | Ordinary Temperature (5 to 35℃)  |
| Humidity    | Ordinary Humidity (25 to 85% RH) |

### 2.2. Measurement method

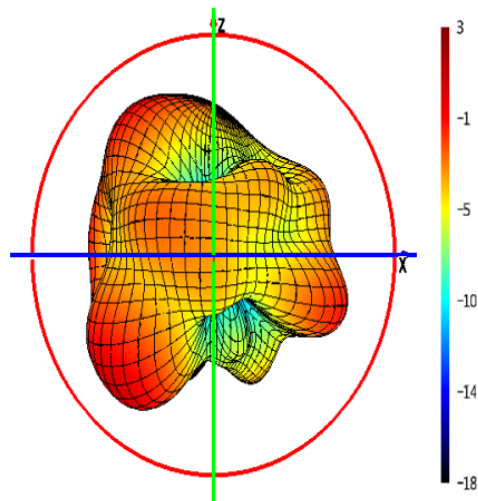




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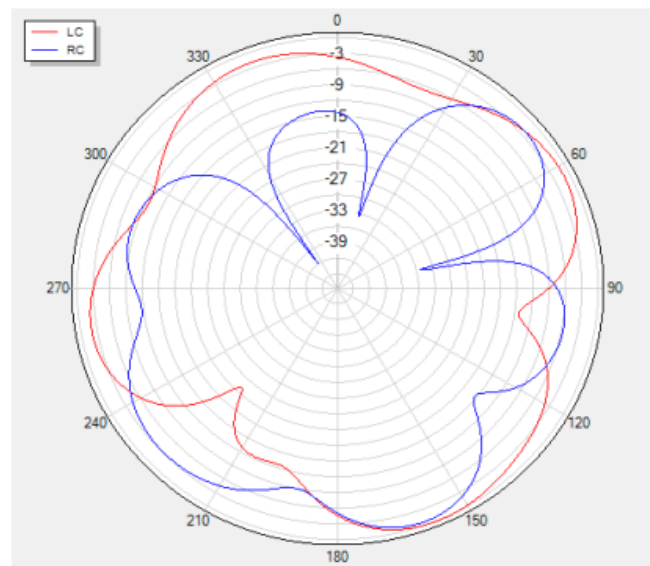
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## 2.3.3. 3D Radiation Drawing



## 2.3.4. directional drawing of horizontal plane

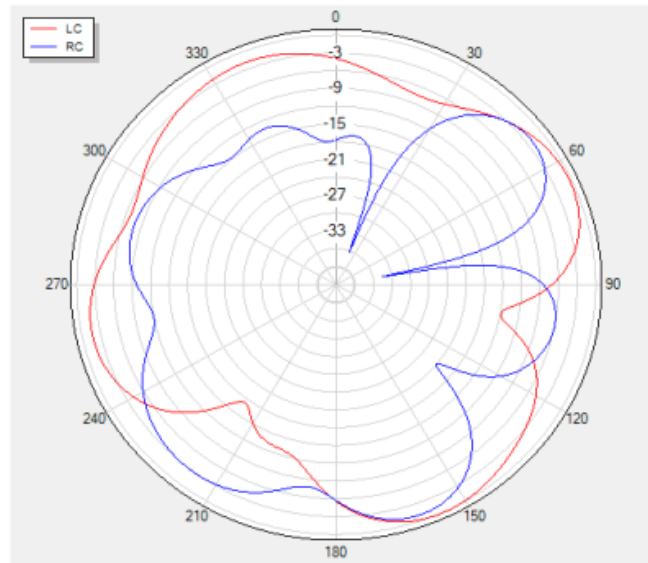
**Theta=90 freq=2400MHz**



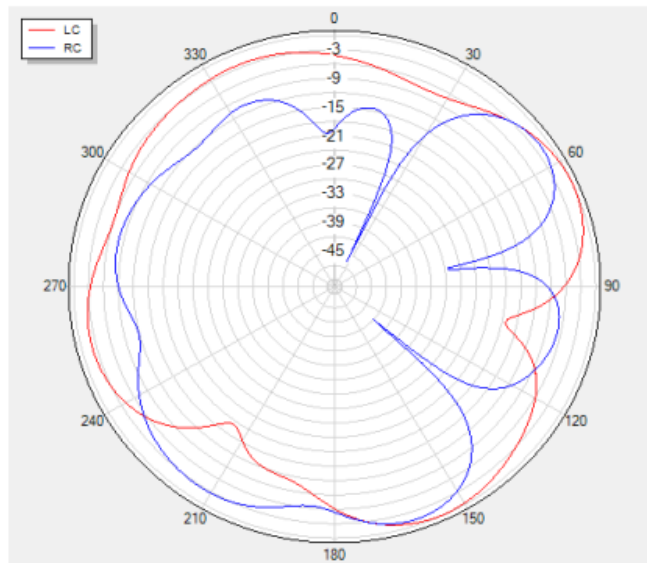
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**Theta=90 freq=2450MHz**



**Theta=90 freq=2480MHz**



### 3. Notes

- 1、Pay attention not to be too close to the metal during installation to avoid affecting the antenna performance.
- 2、This antenna is only suitable for this model, and the position of the antenna cannot be changed.



## ANTENNA SPECIFICATION

### 4. Reliability test

| Item                              | Test methods and conditions                                                                                                                                                  | Specifications and requirements                                                                          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Storage conditions                | Temperature, humidity and air pressure are as follows:<br>1、Temperature: $-30^{\circ}\text{C}\sim+80^{\circ}\text{C}$<br>2、Air pressure: 45%-85%<br>3、Pressure :86Kpa-106Kpa | There is no change in appearance, and all antenna parameters are consistent with those of previous tests |
| Salt spray test                   | salinity is in range of 5%<br>;PH6.5-7.2;Temperature $35\pm 1^{\circ}\text{C}$ ;Corrosion time 16H.                                                                          |                                                                                                          |
| Vibration test                    | 10-2000-10HZ amplitude 1.52mm Ten times along the X,Y,Z direction                                                                                                            |                                                                                                          |
| Drop Test                         | Drop from 1m onto the board                                                                                                                                                  |                                                                                                          |
| Pull test                         | Bearing capacity $\geq 4\text{N}$                                                                                                                                            |                                                                                                          |
| Constant temperature and humidity | humidity : $40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ , 90-95%RH<br>Duration: 4H<br>recovery time: 1-2H                                                                       |                                                                                                          |
| High and low temperature test     | $70^{\circ}\text{C}$ - $20^{\circ}\text{C}$ 5 cycles , Under normal conditions 1-2H                                                                                          |                                                                                                          |