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## Revision history

| Version | date      | state         |
|---------|-----------|---------------|
| A1      | 2022-9-23 | First edition |
|         |           |               |
|         |           |               |
|         |           |               |

**change content:**

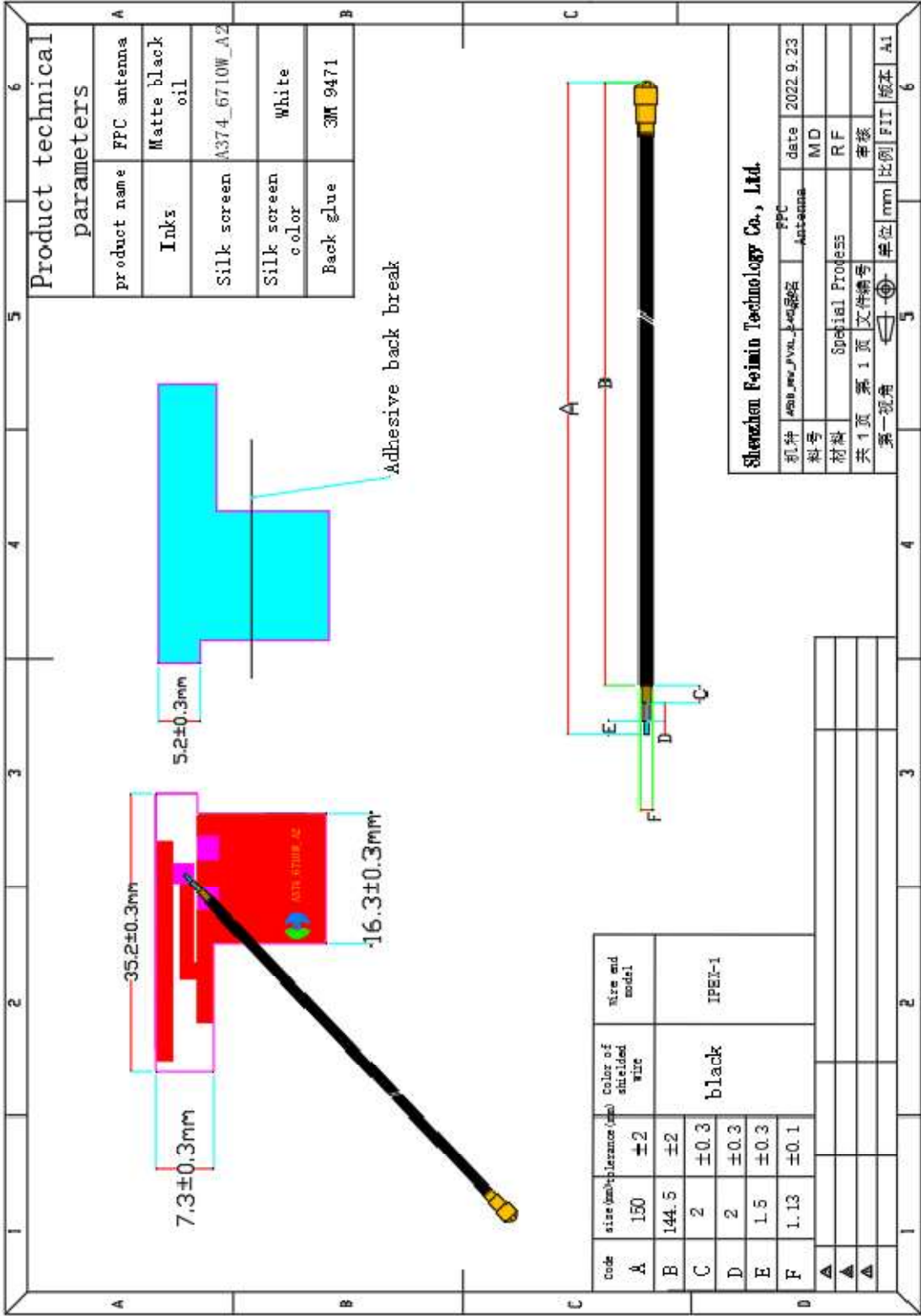
**First change:**

**Before the change:** (If necessary, please add the corresponding picture, the change details should be clearly described here)

**After the change:** (If necessary, please add the corresponding picture, the change details should be clearly described here)

1. Project Information

1.1.Appearance and Dimensions

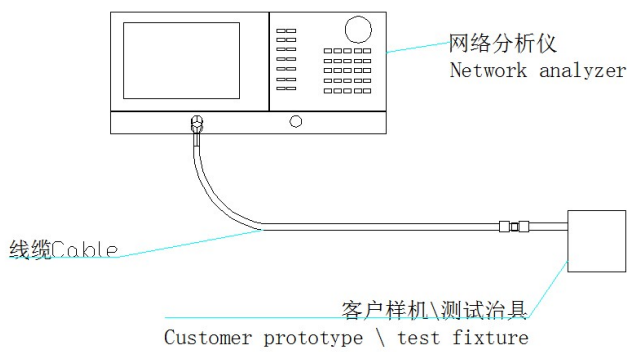


2. Electrical Characteristics

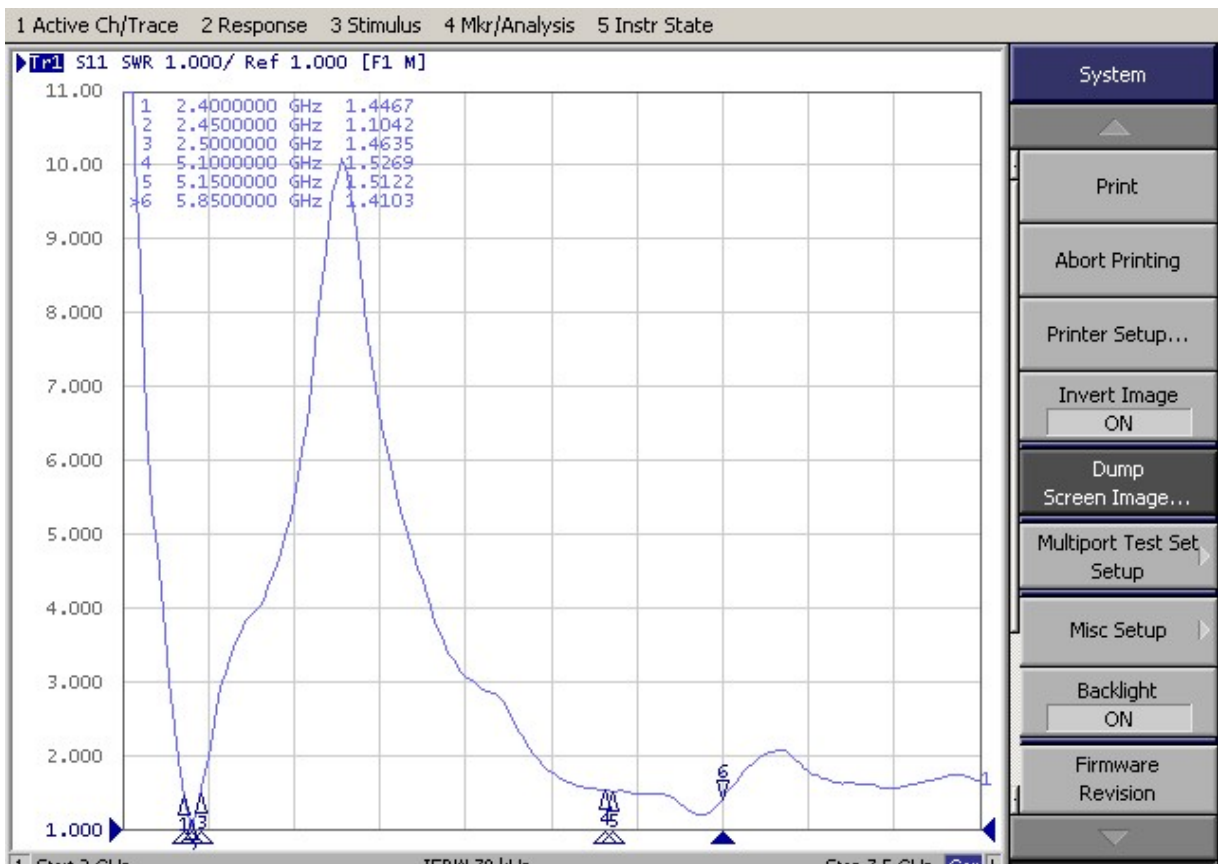
2.1. Test Environment Conditions

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

2.2. Measurement method

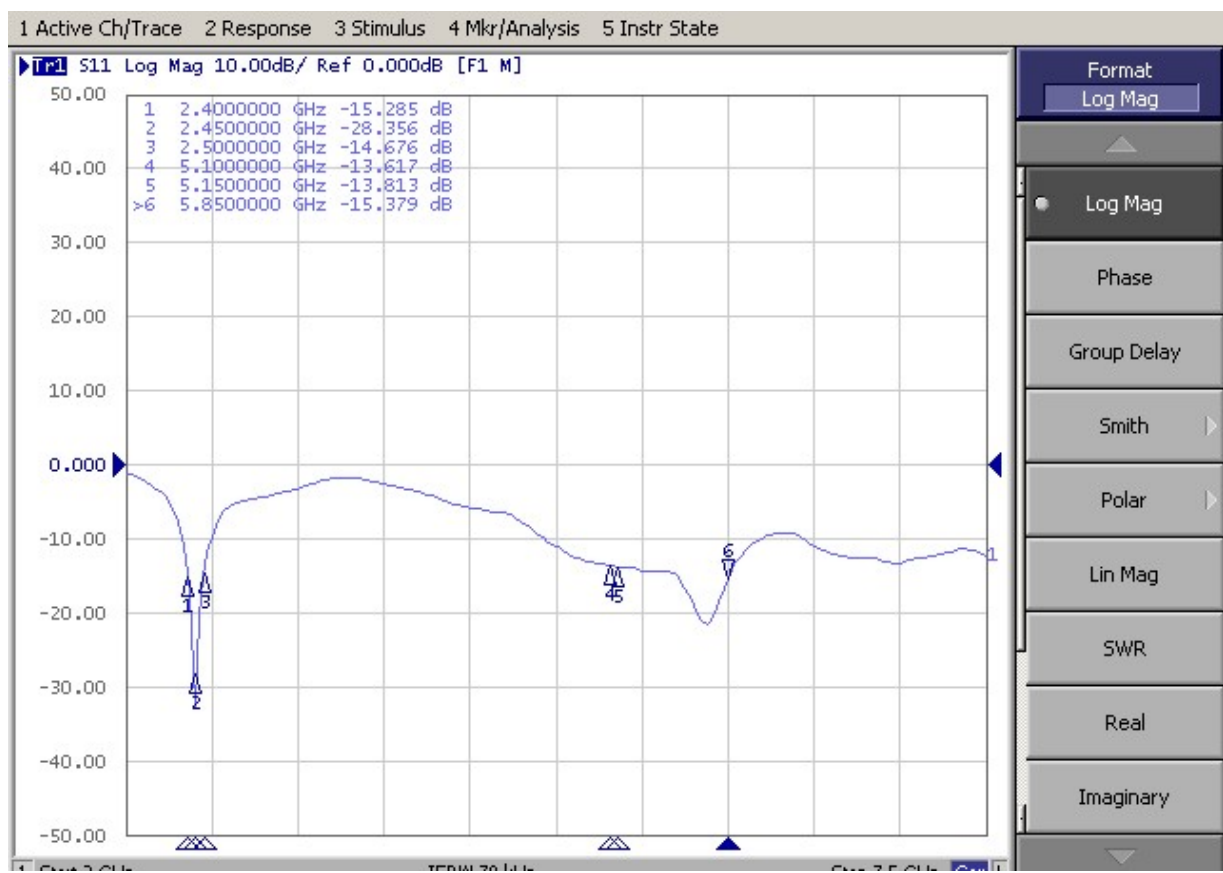


2.2.1. Antenna VSWR



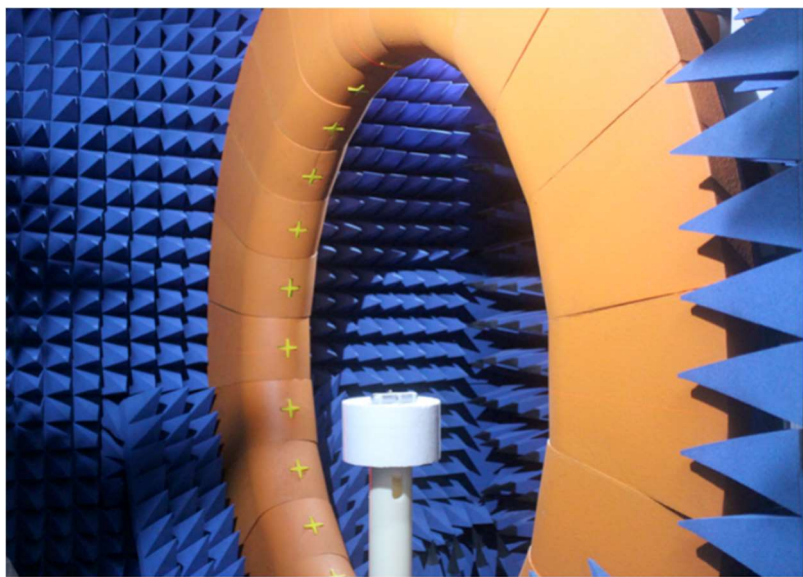
# ANTENNA SPECIFICATION

## 2.2.2. Antenna Return loss



## 2.3. Antenna passive test data

### 2.3.1. Test system



Shenzhen Feimin Technology Co., Ltd. (24-probe OTA microwave anechoic chamber)

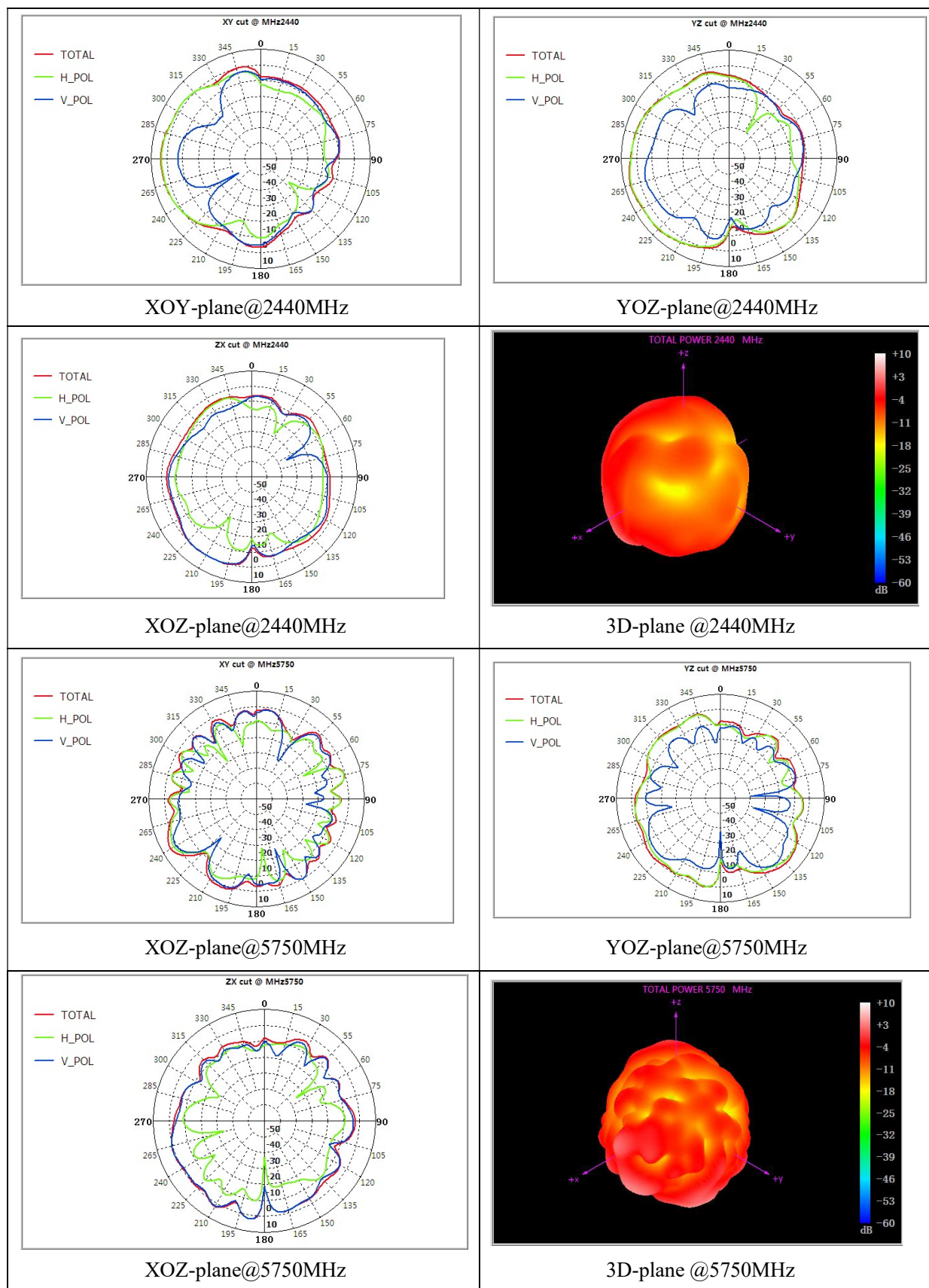
## ANTENNA SPECIFICATION

### 2.3.2 Antenna efficiency and gain

| Frequency (MHz) | Gain (dBi) | Efficiency (%) |
|-----------------|------------|----------------|
| 2400 MHz        | 2.34       | 43.37          |
| 2410 MHz        | 2.27       | 44.7           |
| 2420 MHz        | 2.4        | 45.5           |
| 2430 MHz        | 2.1        | 42.72          |
| 2440 MHz        | 2.84       | 43.43          |
| 2450 MHz        | 2.64       | 45.77          |
| 2460 MHz        | 2.84       | 47.41          |
| 2470 MHz        | 2.57       | 47.68          |
| 2480 MHz        | 3          | 46.47          |
| 2490 MHz        | 2.86       | 45.66          |
| 2500 MHz        | 2.51       | 45.57          |
| 5150 MHz        | 2.55       | 53.5           |
| 5200 MHz        | 2.9        | 55.7           |
| 5250 MHz        | 3.45       | 53.47          |
| 5300 MHz        | 3.6        | 55.64          |
| 5350 MHz        | 3.17       | 53.59          |
| 5400 MHz        | 3.27       | 52.27          |
| 5450 MHz        | 3.31       | 55.33          |
| 5500 MHz        | 3.87       | 54.18          |
| 5550 MHz        | 4          | 52.75          |
| 5600 MHz        | 3.67       | 50.69          |
| 5650 MHz        | 3.31       | 55.87          |
| 5700 MHz        | 3.18       | 52.96          |
| 5750 MHz        | 3.14       | 55.82          |
| 5800 MHz        | 3.07       | 54.52          |
| 5850 MHz        | 2.96       | 53.47          |

# ANTENNA SPECIFICATION

## 2.3.2. Antenna Radiation Pattern





# ANTENNA SPECIFICATION

## 3. Notes

1、Be careful not to be too close to the metal part during installation to avoid affecting the antenna performance.

2、This antenna is only suitable for this model. The position of the antenna cannot be changed at will. If it is used on other machines, the effect will deteriorate, which has nothing to do with our company.

## 4. Product packaging specification

product name: 2.4G/5.8G antenna

Antenna form: FPC+shielded wire

### 1、Labeling requirements

The inner label is 7CM long and 4CM wide

The outer label is 7CM long, about 5CM

|                 |                                      |
|-----------------|--------------------------------------|
| supplier        | Shenzhen Feimin Technology Co., Ltd. |
| product name    | *****                                |
| Material coding | *****                                |
| Specifications  | *****                                |
| quantity        | ***PCS                               |

|                     |                                      |              |       |
|---------------------|--------------------------------------|--------------|-------|
| client's name       |                                      |              |       |
| supplier            | Shenzhen Feimin Technology Co., Ltd. |              |       |
| Order number        | *****                                |              |       |
| Material coding     | *****                                |              |       |
| Specification model | *****                                | product name | ***** |
| quantity            | *****PCS                             | QC:          |       |
| spare parts         | ***PCS                               | Notes        |       |

### 2、Packing process

Job description:

1. The product \_\_PCS is packed in PE open pockets, and the inner label is affixed to each pouch; Put the \_\_ small bag into the big PE sealing tape bag, except the tail number and spare parts.
2. Each box contains \_\_ large bags of products, and the boxes are sealed with adhesive tape in the shape of "I".
3. Paste the outer label on the upper right corner of the box, and there must be no missing or wrong filling.

### 3、Precautions

When packing the box, please pay attention to lay the antenna flat and avoid serious shaking after sealing. If the whole box is not filled, it needs to be filled with foam to avoid transportation Circumstances that caused product defects in the process.

