



ShenZhen City FeiMin Technology CO., LTD.

SPECIFICATION FOR APPROVED

CUSTOMER: Shenzhen Ruijiang Technology Co., Ltd.

PRODUCTS: 6710W FPC antenna

Mdoel NO: 6710W

Spec. : FM-S2117-6710W (150mm)

Data: 2022. 12. 14

SUPPLIER		
PREPARED BY	CHECKED BY	APPROVED BY
FanMa	QuanshengYang	DongdongMa

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.

ADD: Room 303, Building C, Hengnan one Road, Gushu community, Xixiang Street, Bao'an District, Shenzhen City

Tel: 0755-23035723

Fax: 0755-23036702

E-mail: ant001@fmant.cn

HTTP: [www.fmant.cn](http://www.fmant.cn)

---

1. Project Information.....	4
1.1. Appearance and Dimensions.....	4
2. Electrical Characteristics.....	5
2.1. Test Environment Conditions .....	5
2.2. Measurement method.....	5
2.2.1. Antenna VSWR.....	5
2.2.2. Antenna Return loss .....	6
2.3. Antenna passive test data .....	6
2.3.1. Test system .....	6
2.3.2Antenna efficiency and gain.....	7
2.3.2. Antenna Radiation Pattern .....	8
3. Notes .....	9
4. Product packaging specification.....	9

---

## Revision history

Version	date	state
A1	2022-12-14	First edition

**change content:**

**First change:**

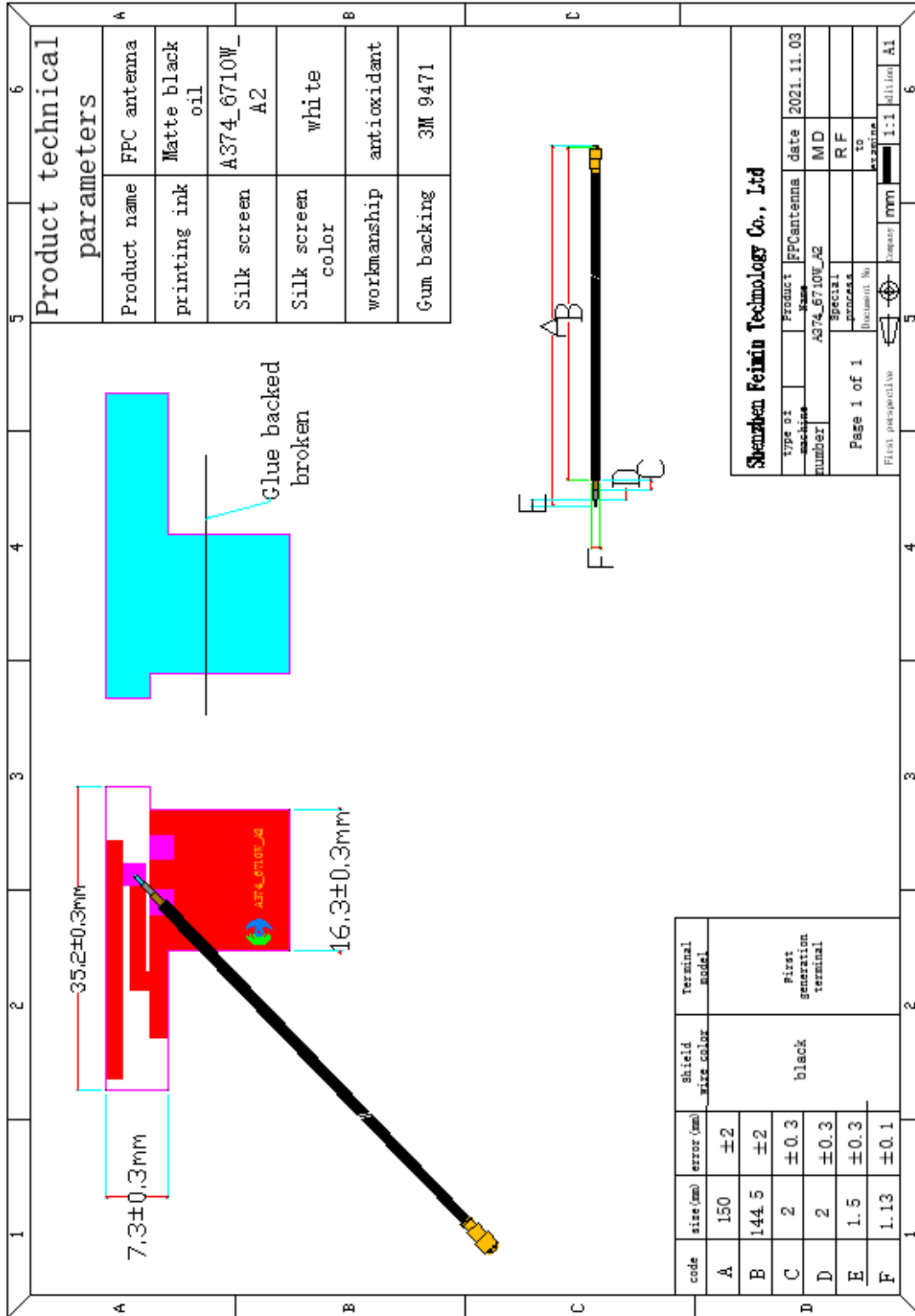
**Before the change:** (If necessary, please add the corresponding picture, the change details should be clearly described here)

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

# ANTENNA SPECIFICATION

## 1. Project Information

### 1.1. Appearance and Dimensions

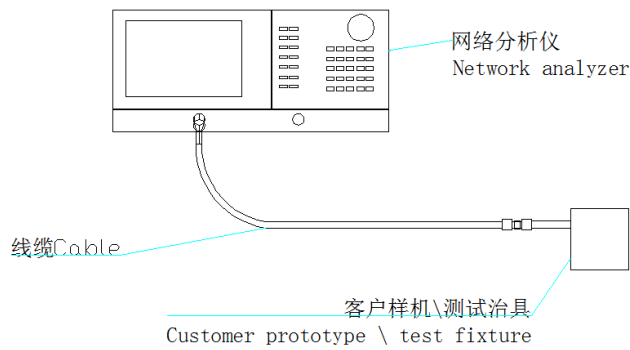


## 2. Electrical Characteristics

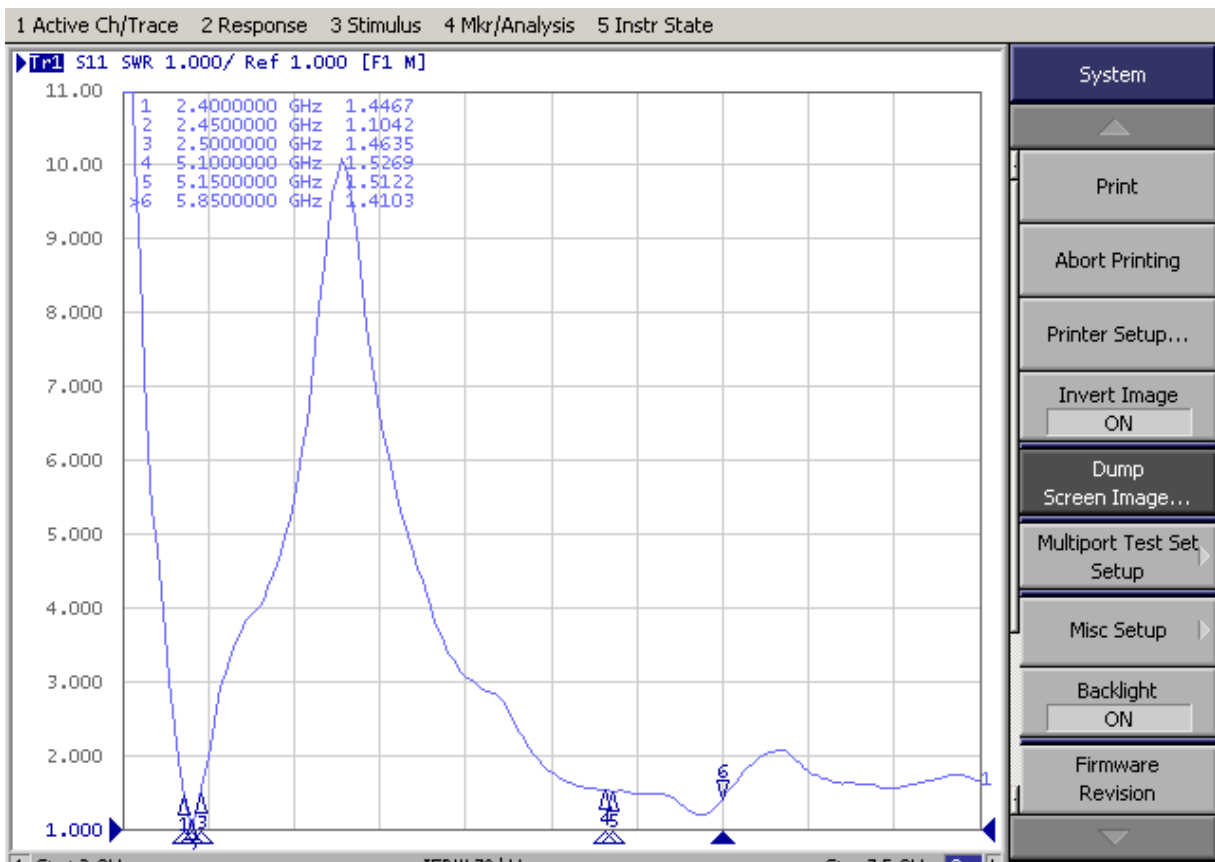
### 2.1. Test Environment Conditions

温度 Temperature	Ordinary Temperature (5 to 35°C)
湿度 Humidity	Ordinary Humidity (25 to 85% RH)

### 2.2. Measurement method

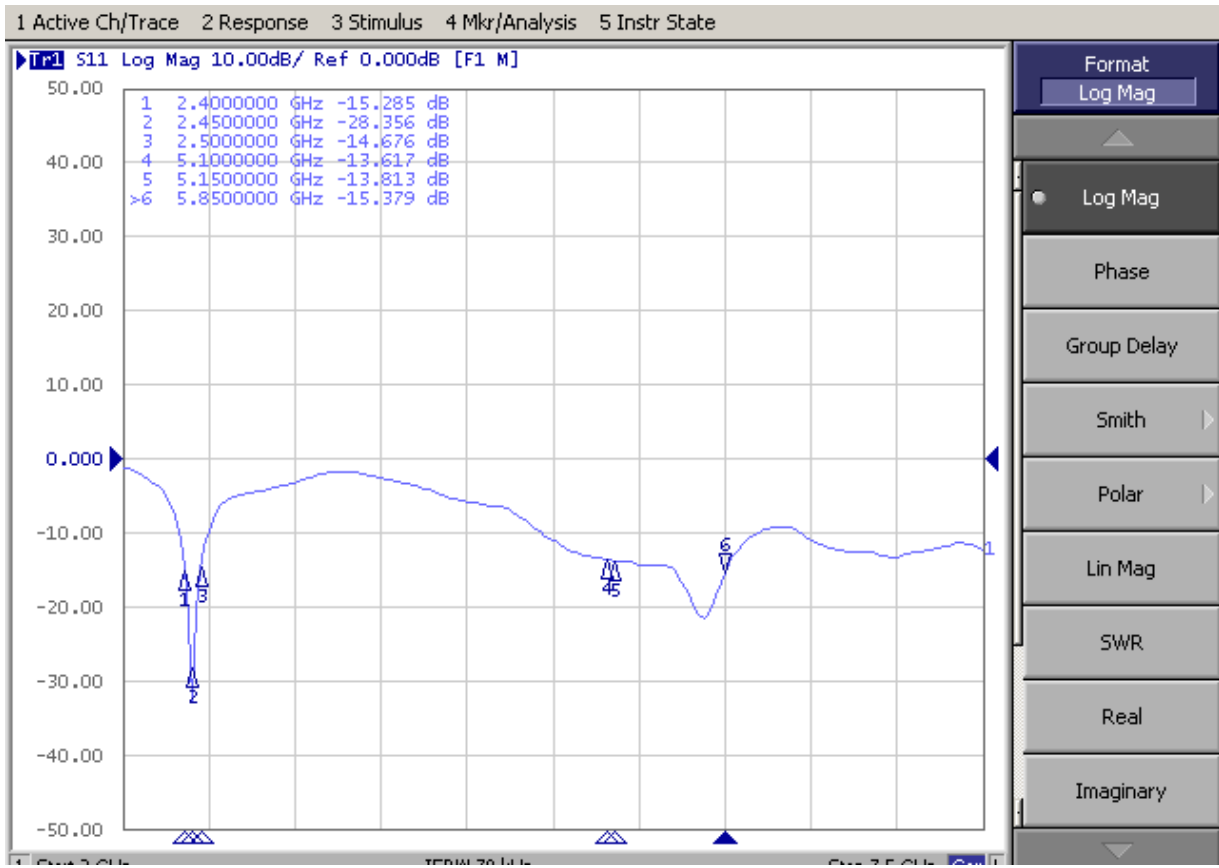


#### 2.2.1. Antenna VSWR



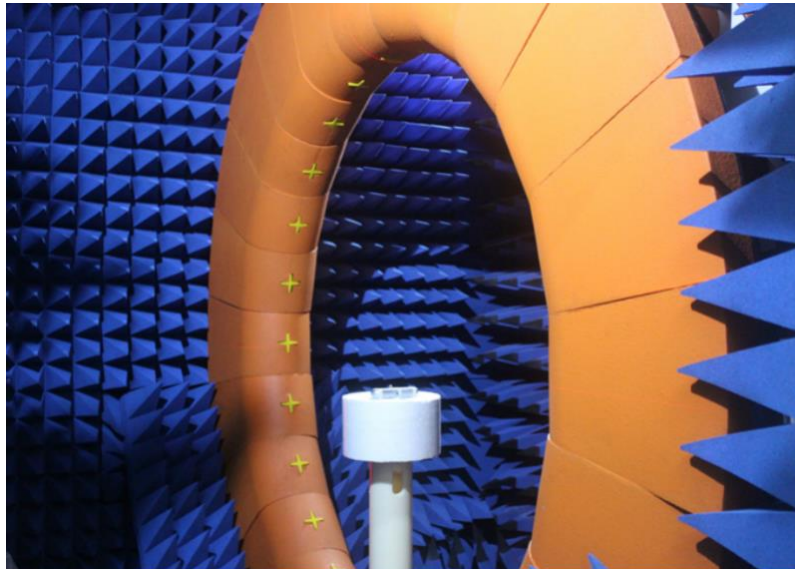
# ANTENNA SPECIFICATION

## 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)

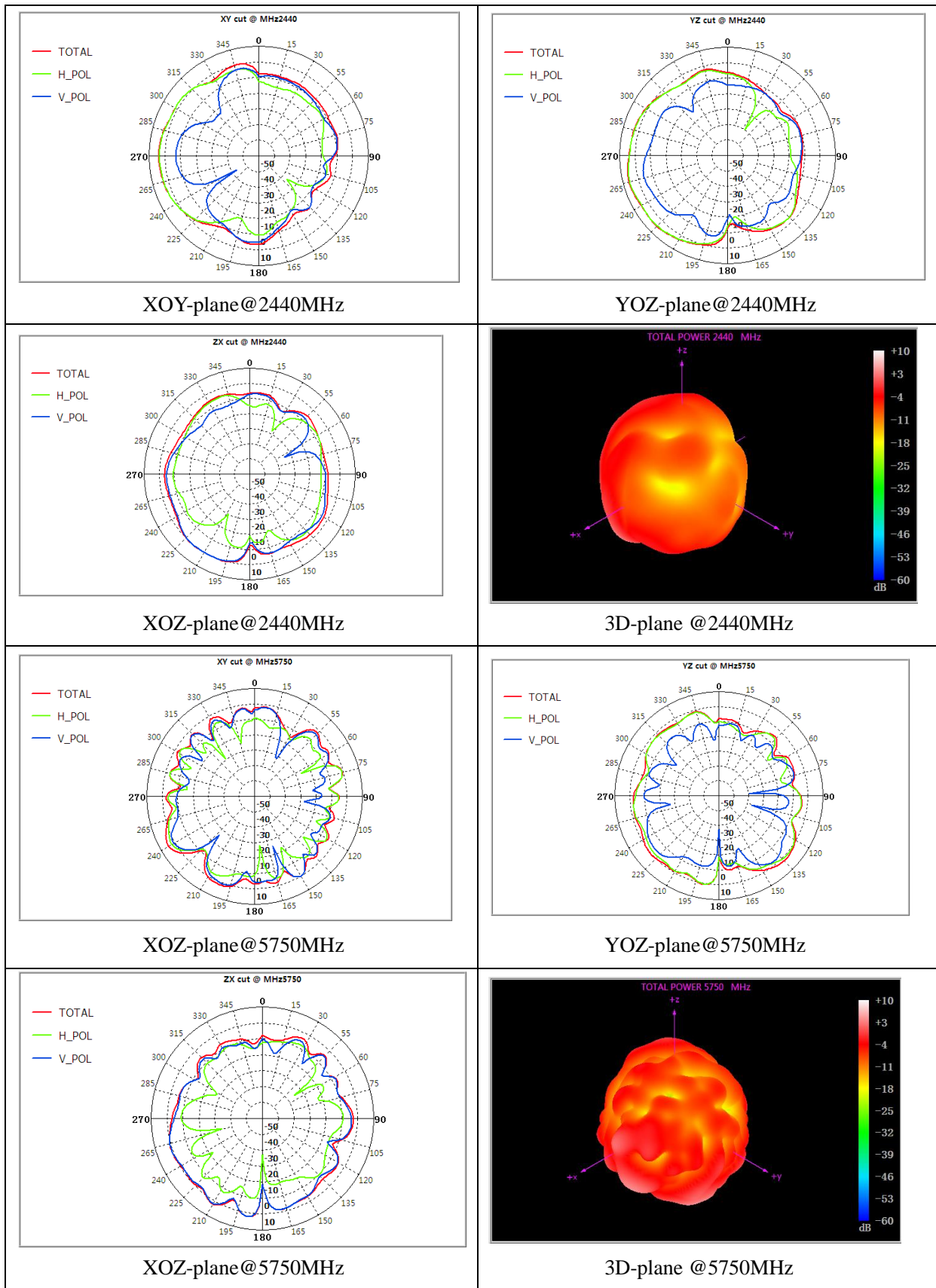
## ANTENNA SPECIFICATION

### 2.3.2 Antenna efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400 MHz	2.34	42.37
2410 MHz	2.27	45.14
2420 MHz	2.4	45.5
2430 MHz	2.1	45.72
2440 MHz	2.84	43.43
2450 MHz	2.64	45.77
2460 MHz	3	47.41
2470 MHz	2.57	48.57
2480 MHz	2.44	46.47
2490 MHz	2.57	47.46
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	4	55.64
5350 MHz	3.17	53.59
5400 MHz	3.27	52.27
5450 MHz	3.31	55.33
5500 MHz	3.27	54.18
5550 MHz	3.27	52.75
5600 MHz	3.28	50.69
5650 MHz	3.51	55.87
5700 MHz	3.74	53.96
5750 MHz	3.17	52.82
5800 MHz	3.23	52.45
5850 MHz	3.45	52.53

# 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

<b>product name: FPC antenna</b>	<b>Antenna form: FPC+shielded wire</b>
----------------------------------	--

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		

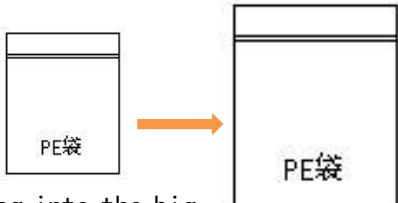
client's name			
supplier	Shenzhen Feimin Technology Co., Ltd.		
Order number	*****		
Material coding	*****		
Specification model	*****	product name	*****
quantity	*****PCS	QC:	
spare parts	***PCS	Notes	

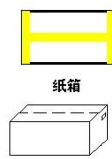
2、Packing process

Job description:

- 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.
- Each box contains \_\_ large bags of products, and the boxes are sealed with adhesive tape in the shape of "I".
- Paste the outer label on the upper right corner of the box, and there must be no missing or wrong filling.

product





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.