



ShenZhen City FeiMin Technology CO., LTD.

SPECIFICATION FOR APPROVED

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

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

PART NO: \_\_\_\_\_ 3. 105. 2P-248 \_\_\_\_\_

Spec. : \_\_\_\_\_ FM-S626-ES244 \_\_\_\_\_

Data: \_\_\_\_\_ 2023. 09. 14 \_\_\_\_\_

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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# ANTENNA SPECIFICATION

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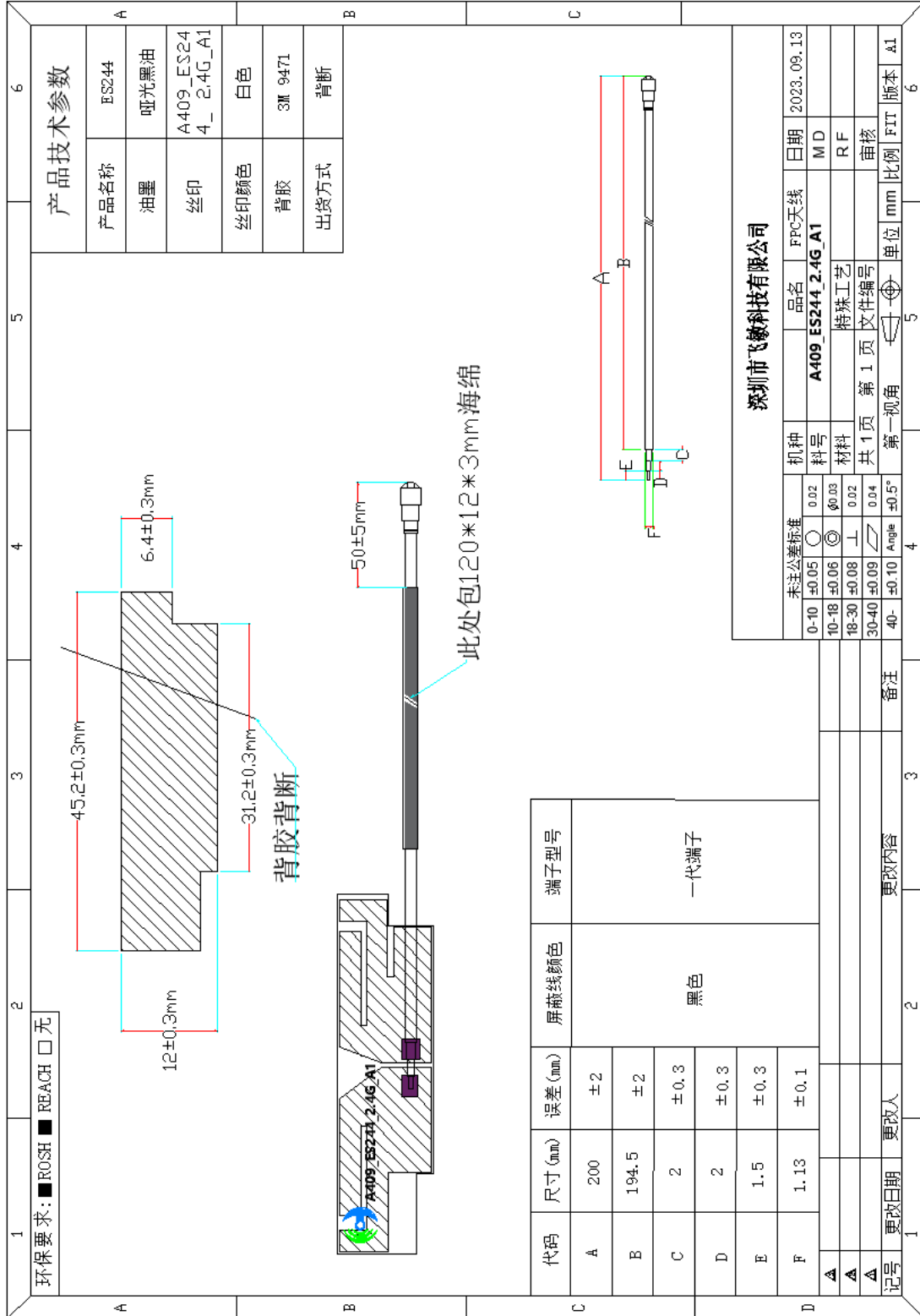
## Revision history

Ver	Date	Status
A1	2023-09-14	First edition

# ANTENNA SPECIFICATION

## 1. Project Information

### 1.1. Appearance and Dimensions



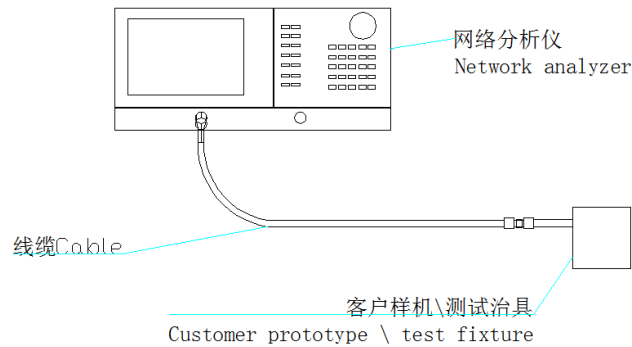
# ANTENNA SPECIFICATION

## 2. Electrical Characteristics

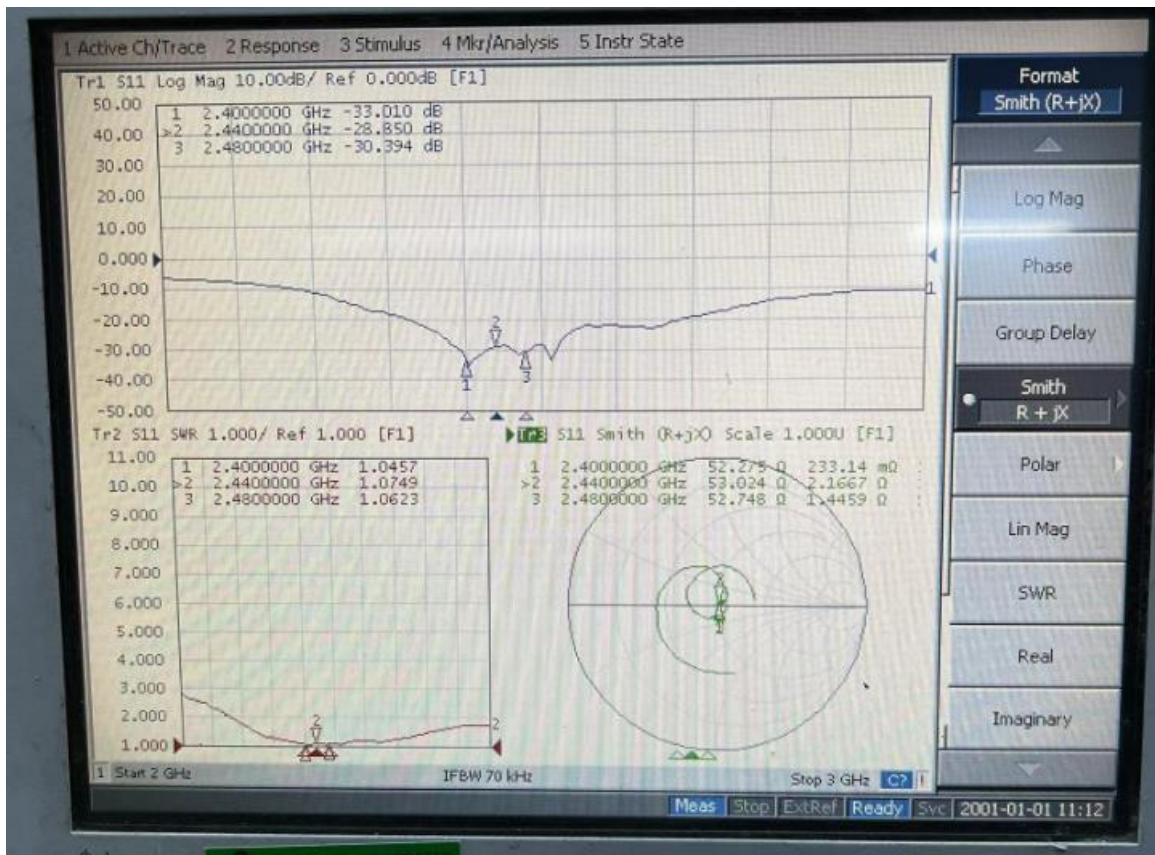
### 2.1. Test Environment Conditions

physical features	
Temperature	Ordinary Temperature (5 to 35°C)
Humidity	Ordinary Humidity (25 to 85% RH)

### 2.2. Measurement method



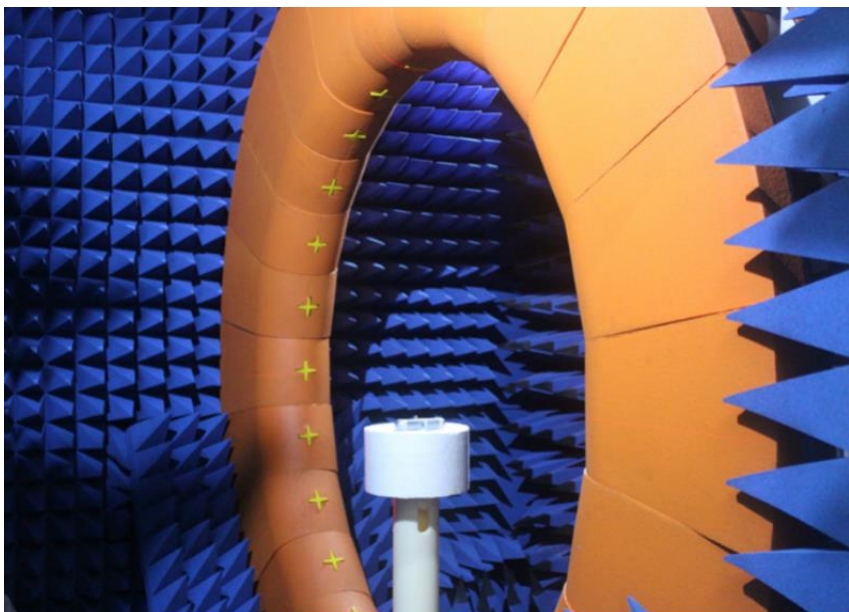
#### 2.2.1 Antenna SWR & Antenna Return loss



# ANTENNA SPECIFICATION

## 2.3. Antenna passive test data

### 2.3.1. Test system



24 probe OTA microwave darkroom

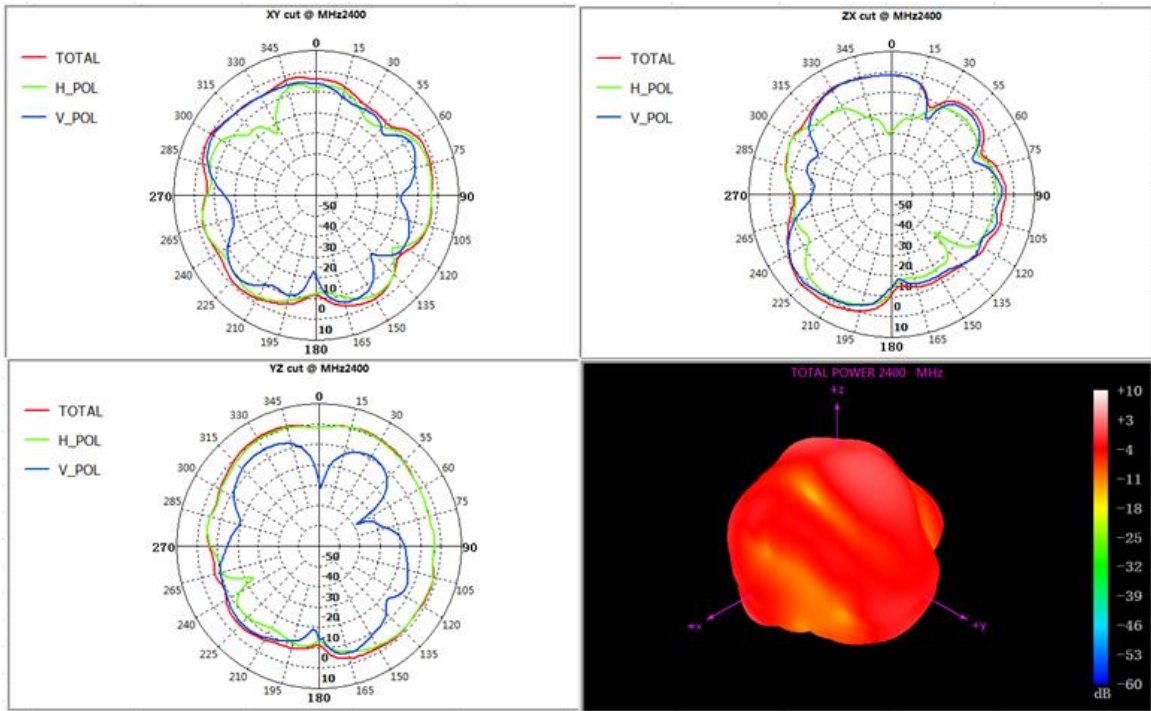
### 2.3.2 Antenna efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400 MHz	4.03	47.44
2410 MHz	4.25	46.56
2420 MHz	4.21	50.65
2430 MHz	4.07	49.58
2440 MHz	3.96	48.39
2450 MHz	3.85	47.67
2460 MHz	3.59	47.19
2470 MHz	3.76	47.73
2480 MHz	3.82	44.9
2490 MHz	3.95	46.32
2500 MHz	3.76	45.76

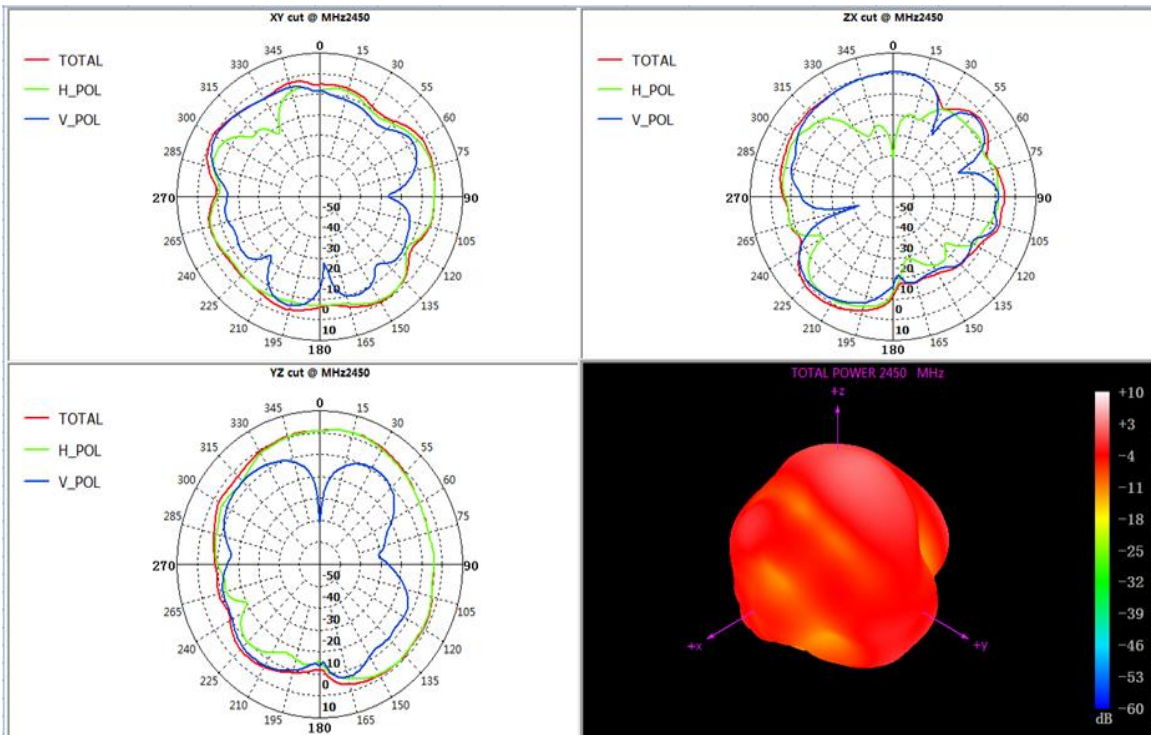
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## 2.3.2. Antenna Radiation Pattern

2400MHZ



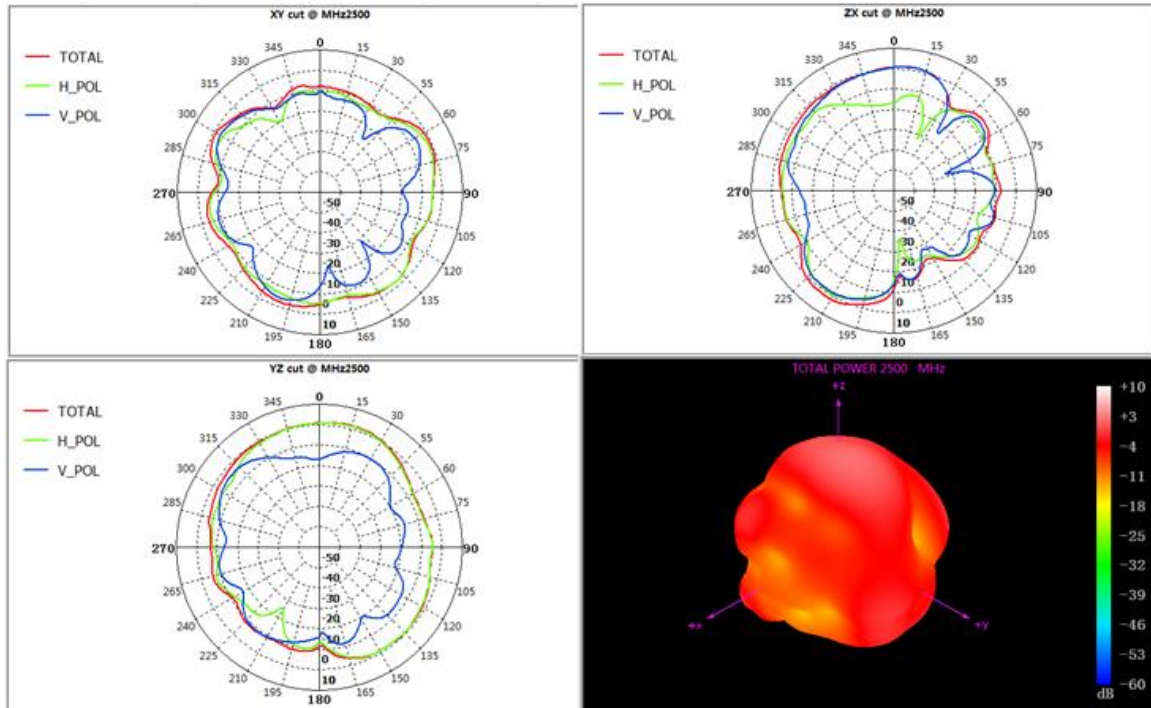
2450MHZ





# ANTENNA SPECIFICATION

2500MHZ



## 3. Notes

1. Pay attention to not being too close to the metal part during installation to avoid affecting the antenna performance.
- 2, this antenna is only applicable to this model, the position of the antenna can not be changed at will, if used on other machines lead to poor effect, it has nothing to do with our company
- 3, the data used in this acknowledgement book (such as: antenna efficiency, gain, etc.) are the data obtained from the laboratory test of this acknowledgement project/antenna in Shenzhen Feimin Technology Co., LTD



# ANTENNA SPECIFICATION

## 4. Product packaging specification

Product name : FPC antenna

Antenna form: shielded wire +FPC+ sponge

### 1. Label requirements

The inner label is about 7CM long and 4CM wide

The outer label length is about 7CM, 5CM

Supplier	Shenzhen Feimin Technology Co., LTD
Product Name	*****
Material code	*****
Specification model	*****
quantity	***PCS

Customer name			
Supplier	Shenzhen Feimin Technology Co., LTD		
Order number	*****		
Material code	*****		
Specification model	*****	Product name	*****
quantity	*****PCS	inspect	
Spare part	***PCS	Remark	

### 2. Packing process

Job description:

1). The product \_\_PCS is packed in PE open bag, and each bag is affixed with the inner label; Put the \_\_ small bag into the large PE sealing tape bag, except for the rest and spare parts.

2). Each box is packed with \_\_ large bags of products, and the box is sealed with glue in the shape of "work".

3). Label the upper right corner of the box without missing or wrong filling.

### 3. Precautions

When packing, pay attention to put the antenna flat, do not shake seriously after sealing, if the whole box is not filled, it needs to be filled with foam to avoid bad products during transportation.

