



ShenZhen City FeiMin Technology CO., LTD.

SPECIFICATION FOR APPROVED

CUSTOMER: Xiange international

PRODUCTS: External outgoing dual-frequency glue stick

PART NO: 033-042040000R

Spec. : FM-S1253- Outgoing external dual-frequency (100mm)

Data: 2023. 07. 03

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.

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# ANTENNA SPECIFICATION

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## 目录

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

# ANTENNA SPECIFICATION

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## Revision history

version	date	condition
A1	2023-06-16	First edition

Changes:

First change:

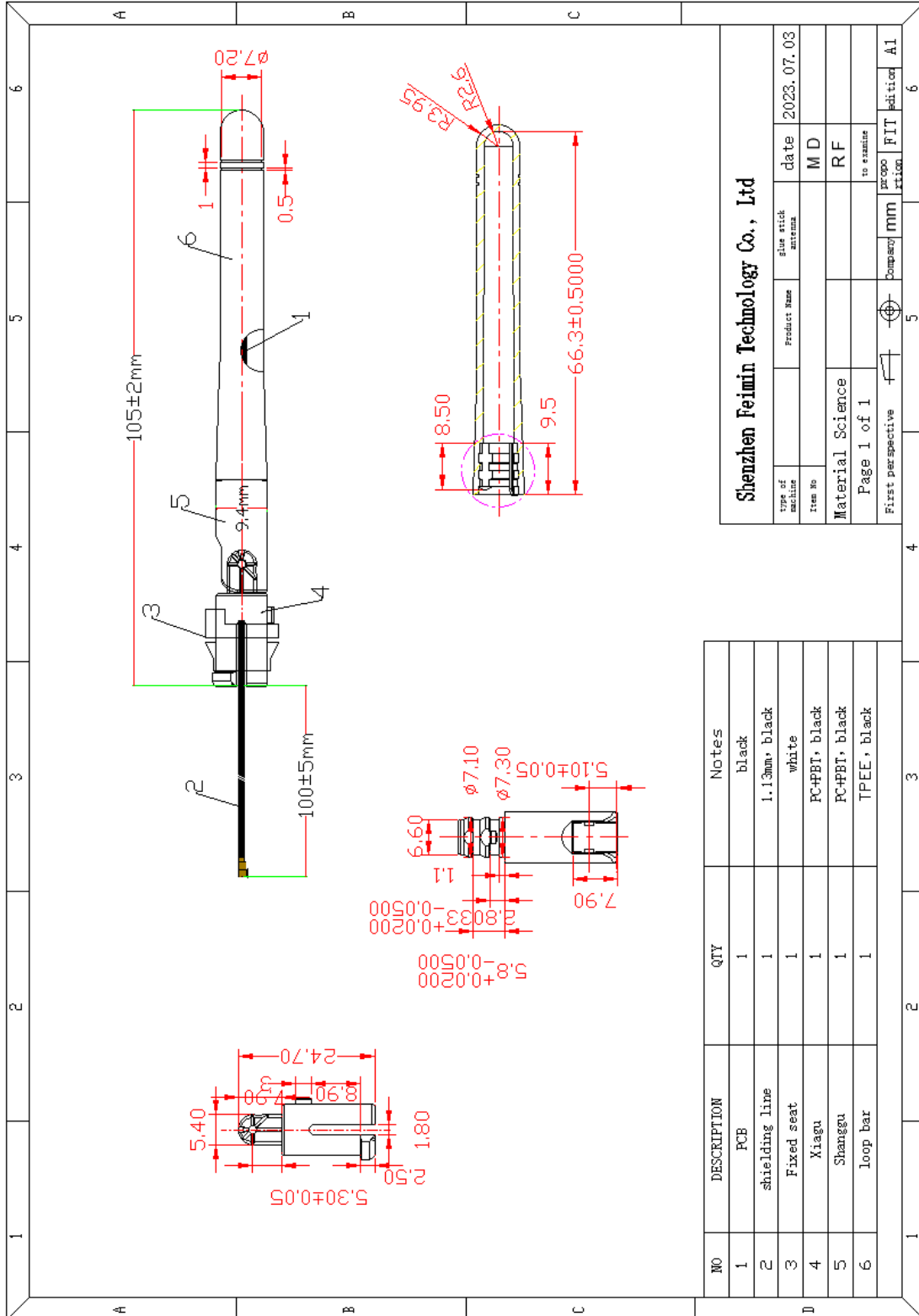
Before the change: (If necessary, please add corresponding pictures, and the details of the change should be clearly described here)

After the change: (If necessary, please add corresponding pictures, and the details of the change should be clearly described here)

# ANTENNA SPECIFICATION

## 1. Project Information

### 1.1. Appearance and Dimensions



<b>Shenzhen Feimin Technology Co., Ltd</b>			
type of machine	Product Name	date	2023.07.03
Iron No		M D	
Material Science		RF	
Page 1 of 1		to examine	
First perspective	Company	mm	proportion
		5	FTI A1

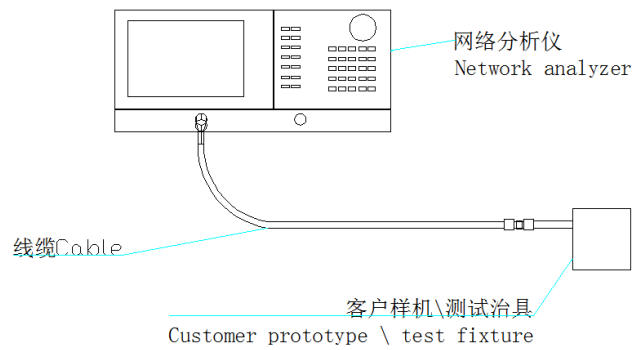
# ANTENNA SPECIFICATION

## 2. Electrical Characteristics

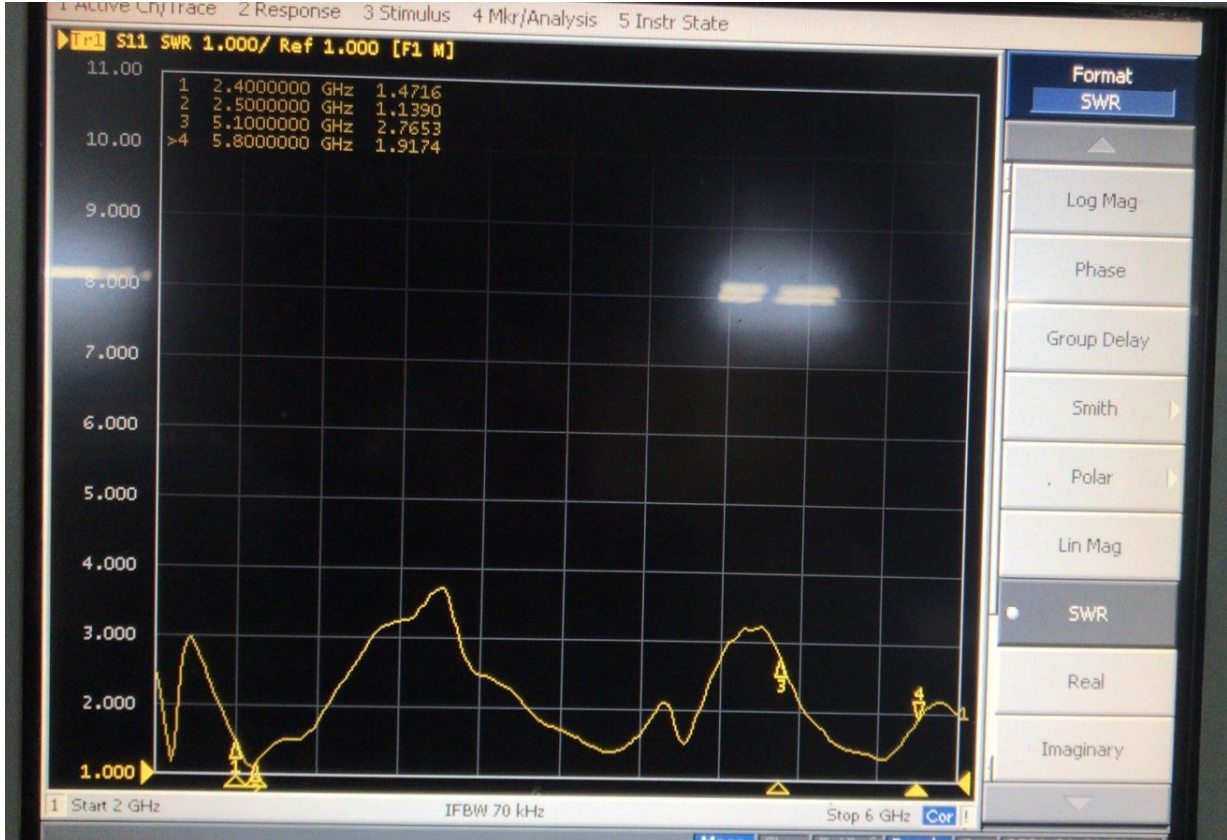
### 2.1. Test Environment Conditions

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

### 2.2. Measurement method

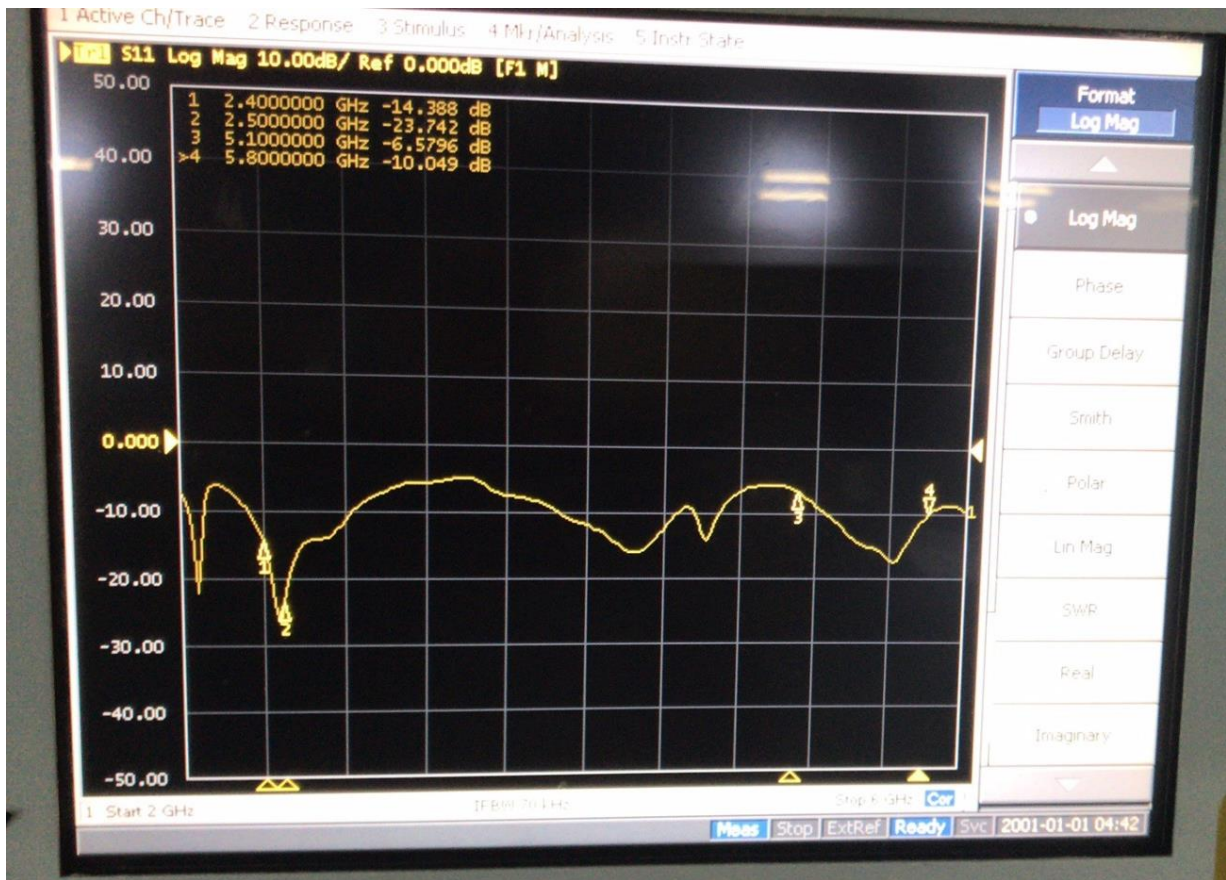


#### 2.2.1. Antenna VSWR



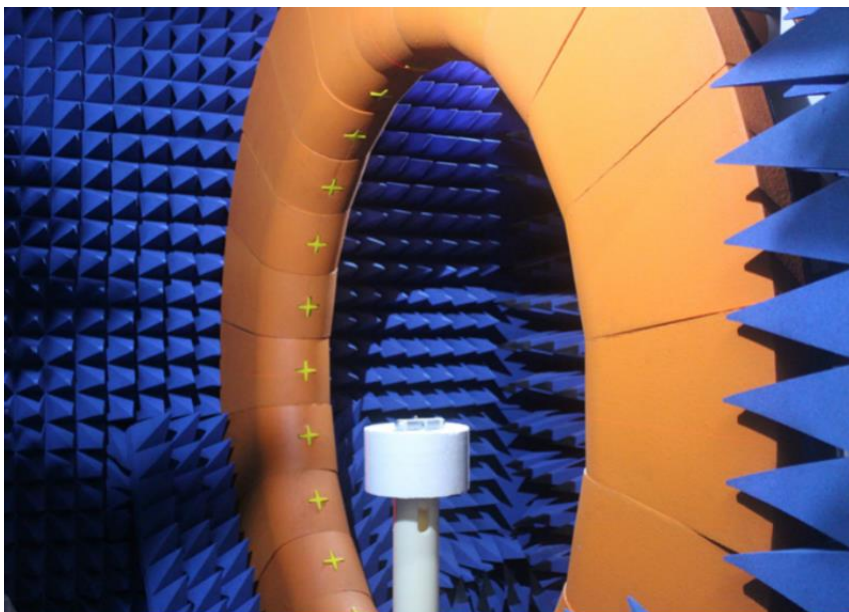
# ANTENNA SPECIFICATION

## 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 darkroom)

## ANTENNA SPECIFICATION

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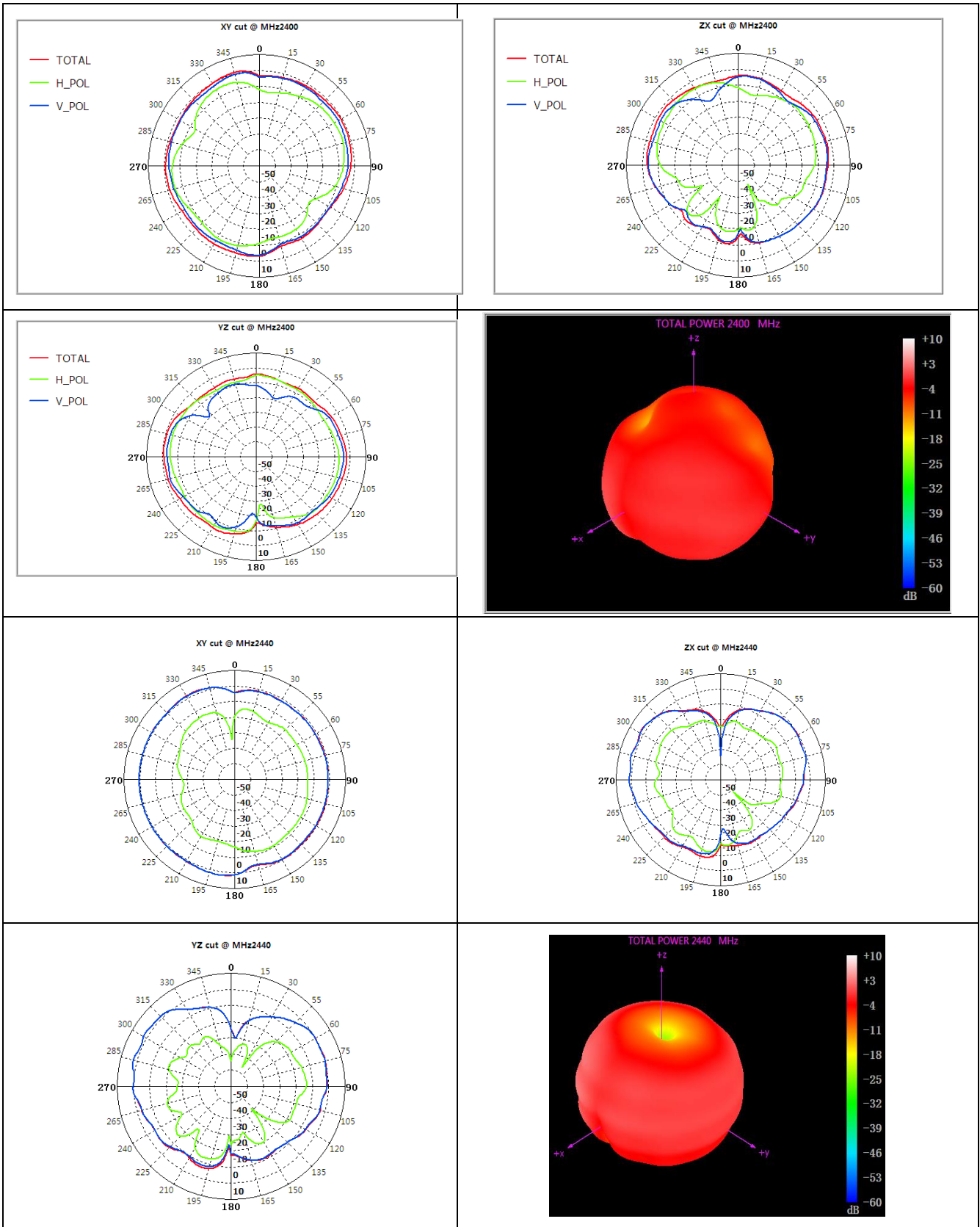
### 2.3.2. Antenna efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400 MHz	3.6	67.39
2410 MHz	3.53	67.12
2420 MHz	3.43	65.72
2430 MHz	3.26	63.57
2440 MHz	3.14	61.5
2450 MHz	3.14	61.22
2460 MHz	3.14	60.72
2470 MHz	3.14	60.84
2480 MHz	3.06	61.01
2490 MHz	3.13	60.74
2500 MHz	3.18	61.14
5150 MHz	3.36	27.68
5250 MHz	3.19	35.34
5350 MHz	3.71	27.18
5450 MHz	3.4	36.55
5550 MHz	2.57	39.97
5650 MHz	2.93	39.43
5750 MHz	2.21	36.71
5850 MHz	2.15	35.67



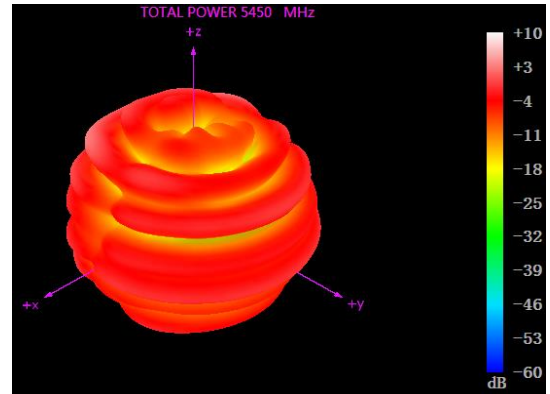
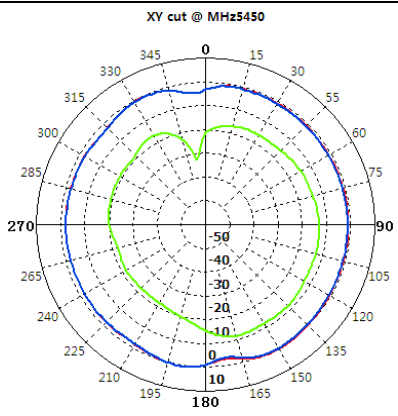
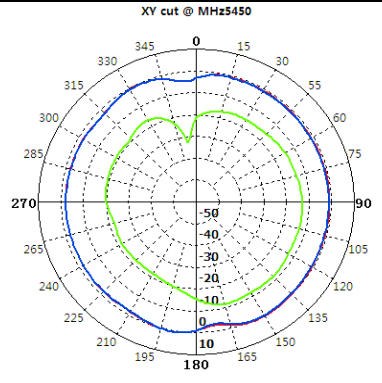
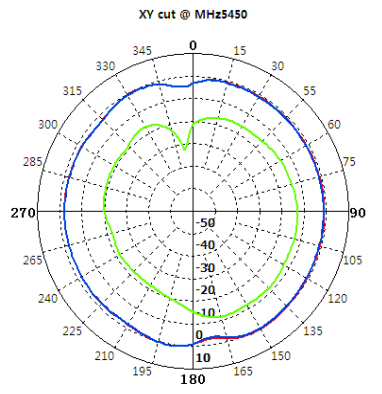
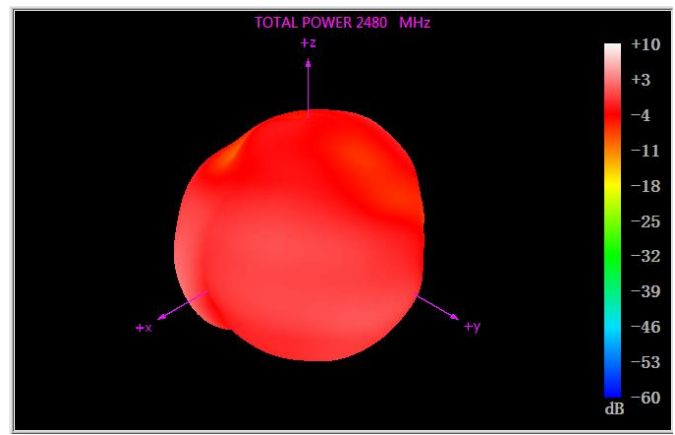
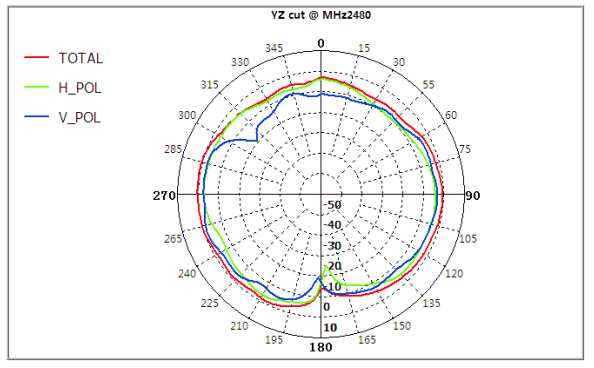
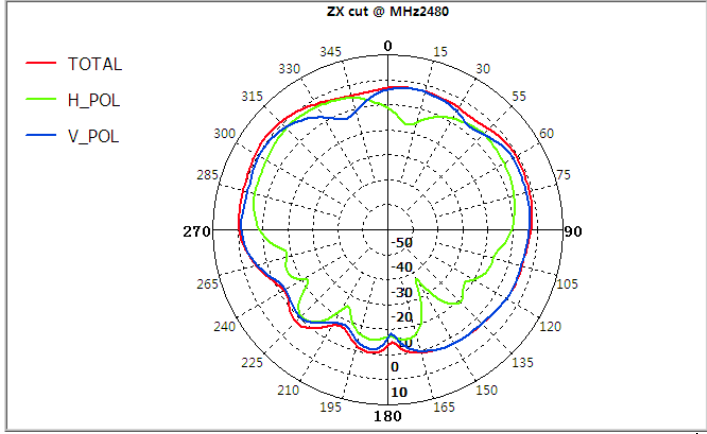
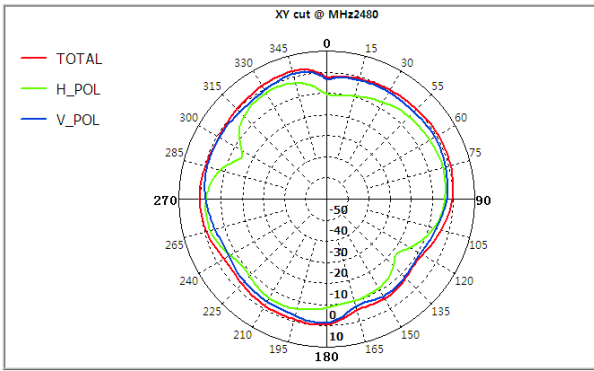
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## 2.3.2. Antenna Radiation Pattern





# ANTENNA SPECIFICATION



## 3. Notes

1. When installing, be careful not to be too close to the metal part to avoid affecting the antenna performance.

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

3. The data (such as antenna efficiency, gain, etc.) used in this acknowledgement are all obtained from the laboratory test of this recognition project/antenna in Shenzhen Feimin Technology Co., Ltd.

# ANTENNA SPECIFICATION

## 4. Product packaging specification

Product name: glue stick antenna

antenna form: outgoing glue stick

### 1、Labeling requirements

The inner label is 7CM long and 4CM wide

The outer label is 7CM long, about 5CM

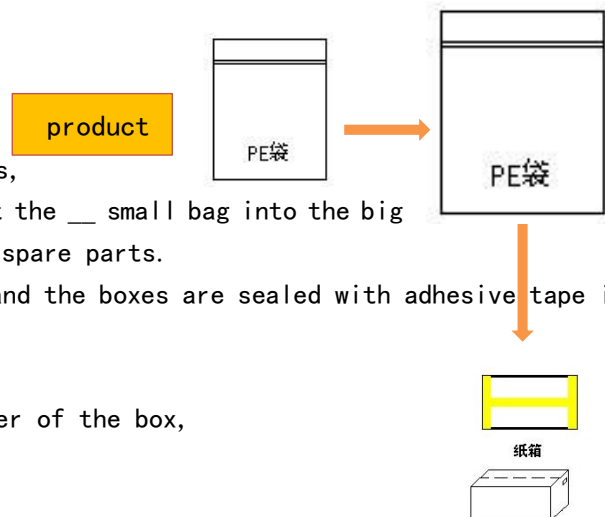
supplier	Shenzhen Feimin Technology Co., Ltd.
product name	*****
Material coding	*****
Specifications	*****
quantity	***PCS

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.



### 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.