ShenZhen City FeiMin Technology CO.,LTD.

Product Specifications

CUSTOMER: Guangdong Hanwei Electronics Co., Ltd.

PRODUCTS: Built-in bluetooth antenna

PART NO:

Spec.: FM-S2112-TWS

Data: 2022.9.27

SUPPLIER		
PREPARED BY	CHECKED BY	APPROVED BY
YangXuan	XiaXingxi	MaDongdong

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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Revision history

Version	date	state
A1	2022-9-27	first edition

Change the content:

first change:

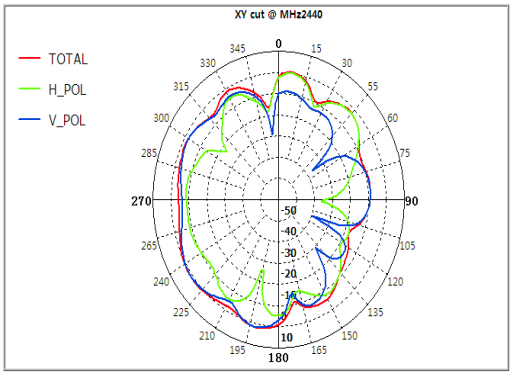
Before the change: (If necessary, please add the corresponding picture, the details of the change should be clearly described here)

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

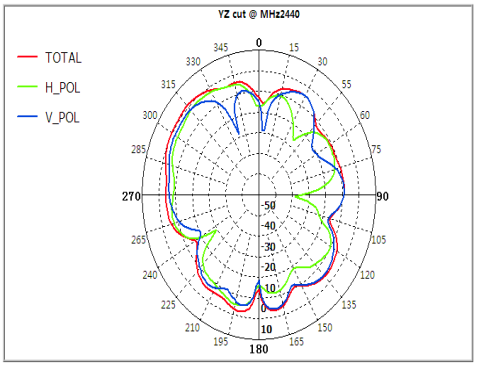
2.3.2 天线效率及增益 Antenna efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400 MHz	0.91	30.82
2410 MHz	1.35	31.32
2420 MHz	1.73	31.53
2430 MHz	1.89	32.81
2440 MHz	2.02	33.66
2450 MHz	2.14	35.32
2460 MHz	1.99	34.03
2470 MHz	1.75	34.75
2480 MHz	1.55	33.35
2490 MHz	2.07	32.34
2500 MHz	1.88	33.55

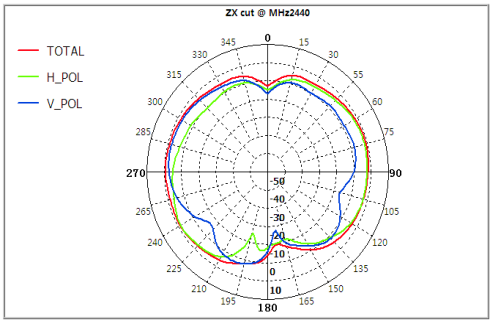
2.3.2. 天线辐射方向图 Antenna Radiation Pattern



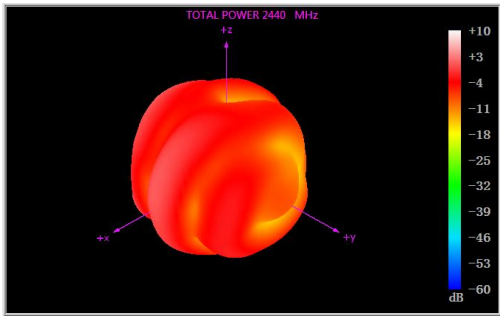
XOY-plane@2440MHz



YOZ-plane@2440MHz



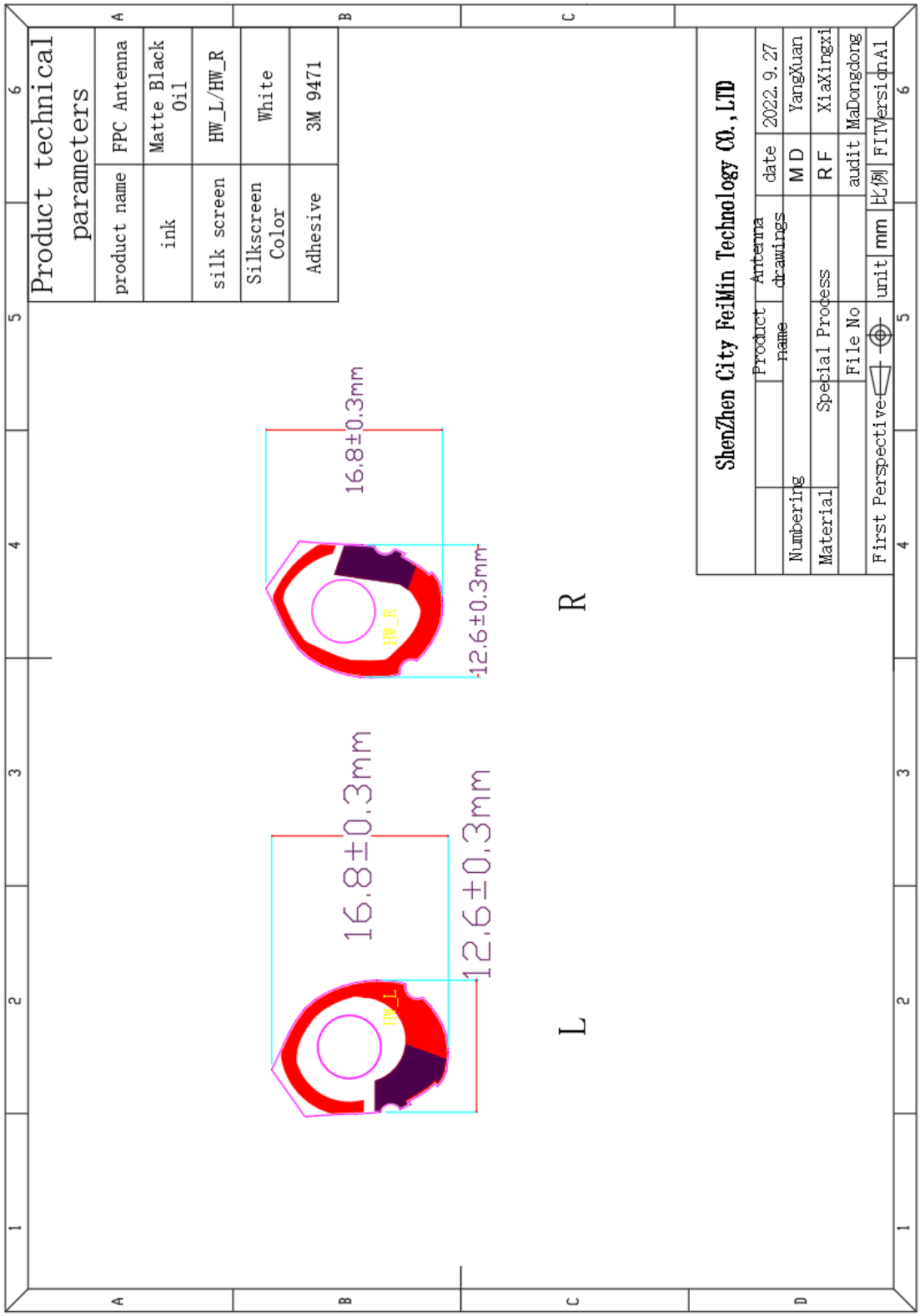
XOZ-plane@2440MHz



3D-plane @2440MHz

1. Project Information

1.1. Appearance and Dimensions

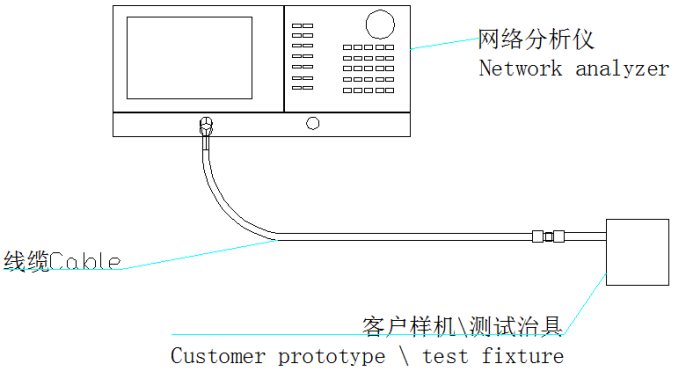


2. Electrical Characteristics

2.1. Test Environment Conditions

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

2.2. Measurement method



2.2. Pictorial view

Main Technical Specifications			
(MHz) Frequency Range	(Ω) Impendence	Polarization mode	Matching network
2400-2500	50	Line polarization	π 型

3. Notes

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

2、This type of antenna is only suitable for this model, and the position of the antenna cannot be changed at will.

4. Product packaging specification

product name: 2.4G antenna **Antenna form: FPC**

1、Labeling requirements

The inner label is 7CM long and 4CM wide

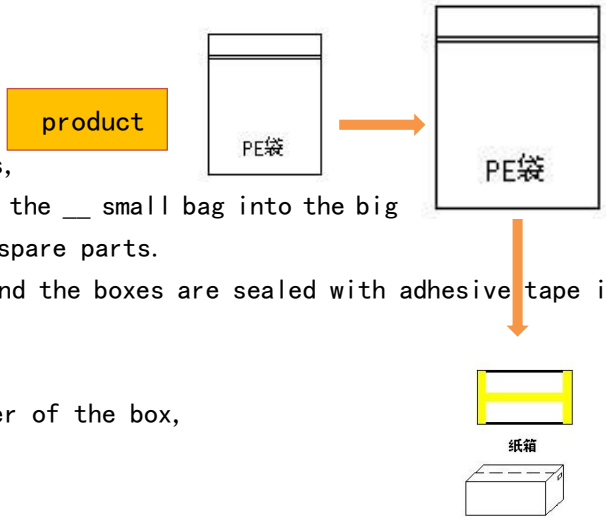
supplier	Shenzhen Feimin Technology Co., Ltd.
product name	**********
Material coding	**********
Specifications	**********
quantity	***PCS

The outer label is 7CM long, about 5CM

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。