



ShenZhen City FeiMin Technology CO., LTD.

SPECIFICATION FOR APPROVED

CUSTOMER: Dongguan Modu Acoustic Technology Co., Ltd.

PRODUCTS: FPC antenna

PART NO:

Spec. : FM-S2436-MC010

Data: 2024. 7. 19

| SUPPLIER    |            |             |
|-------------|------------|-------------|
| PREPARED BY | CHECKED BY | APPROVED BY |
| FanMa       | FanMa      | FanMa       |

| 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)

# ANTENNA SPECIFICATION

---

## catalog

|                                           |   |
|-------------------------------------------|---|
| 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. 2. Antenna efficiency and gain..... | 7 |
| 2. 3. 3. Antenna Radiation Pattern.....   | 7 |
| 3.Notes.....                              | 8 |
| 4.Product packaging specification .....   | 8 |

# ANTENNA SPECIFICATION

---

## Revision history

| version | date      | condition     |
|---------|-----------|---------------|
| A1      | 2024-7-19 | First edition |
|         |           |               |
|         |           |               |

Changes:

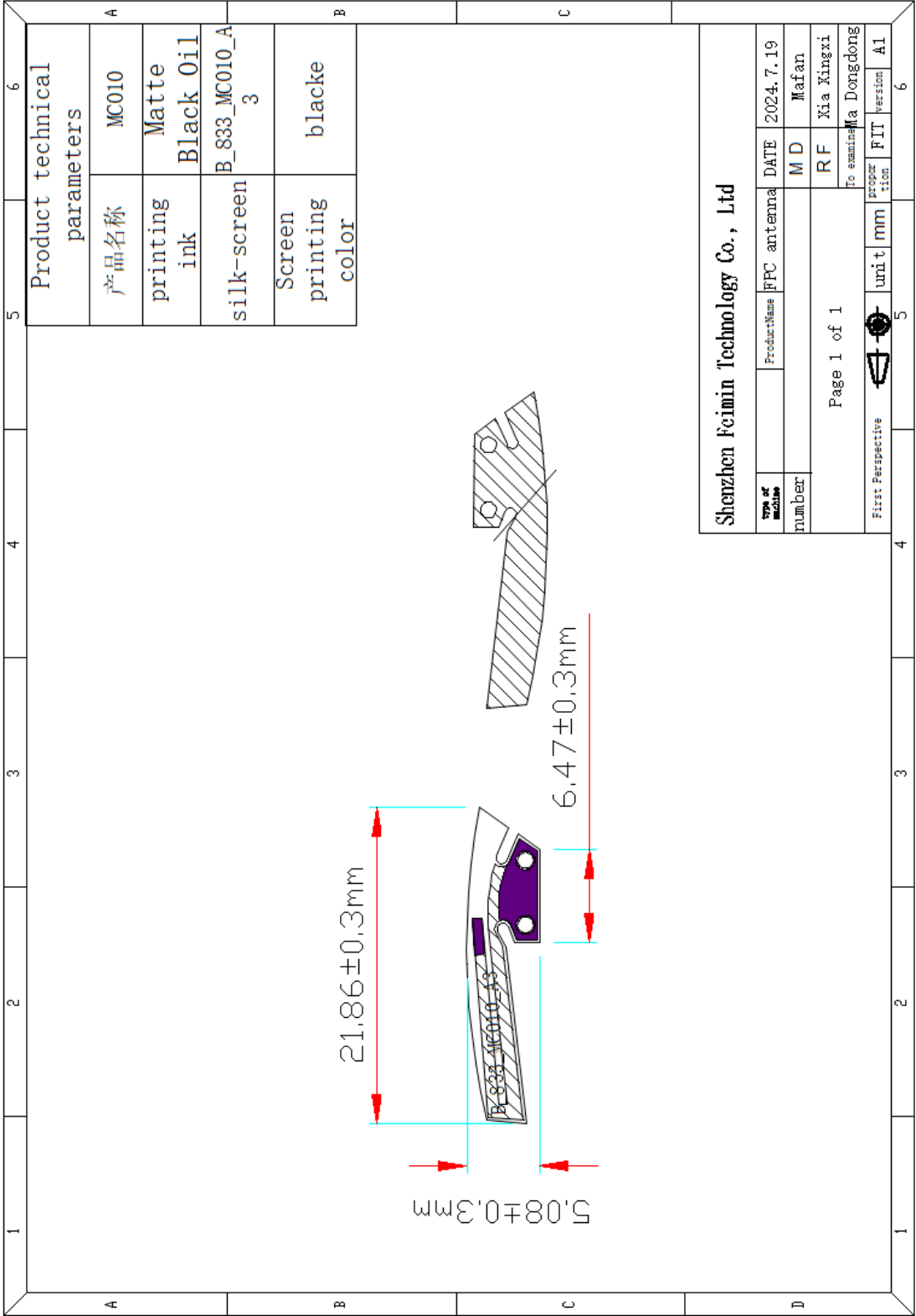
First change:

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)

1. Project Information

1.1. Appearance and Dimensions

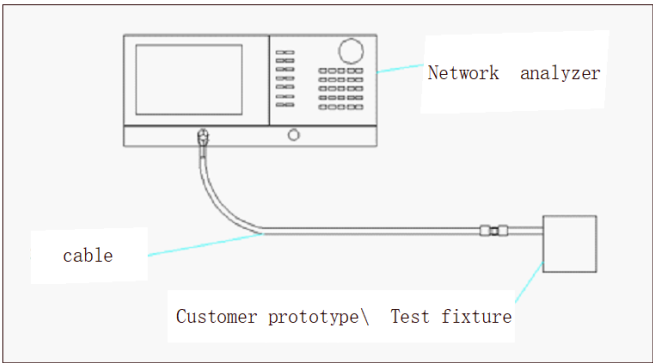


2. Electrical Characteristics

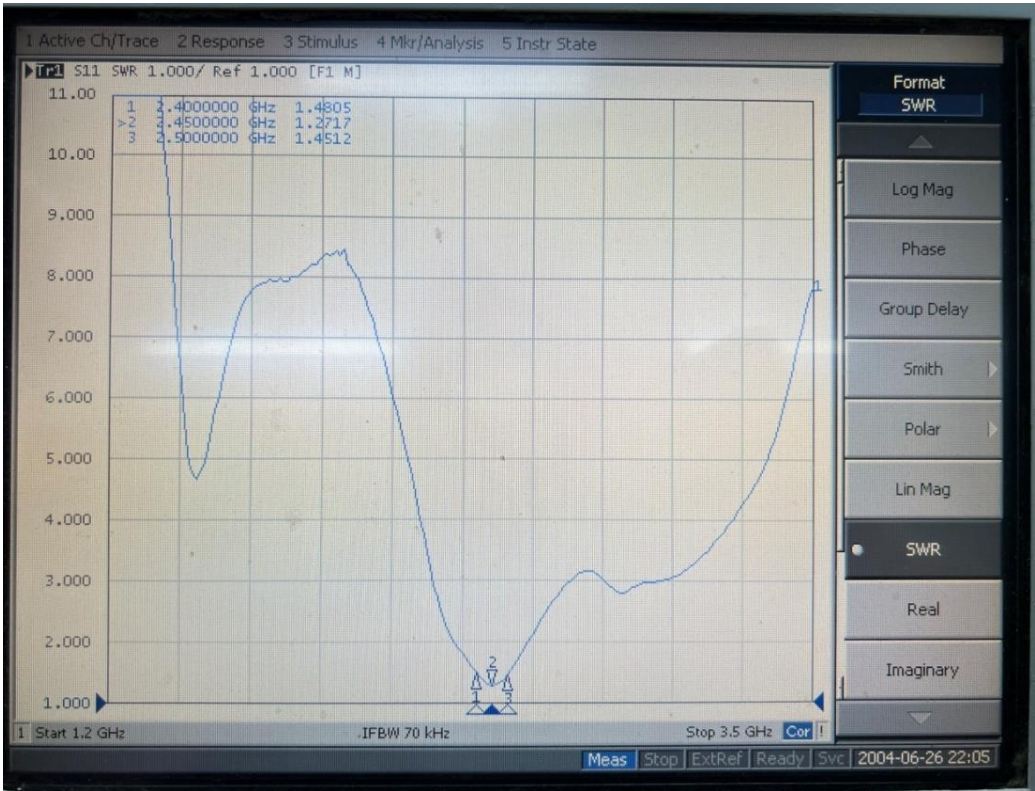
2.1. Test Environment Conditions

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

2.2.Measurement method

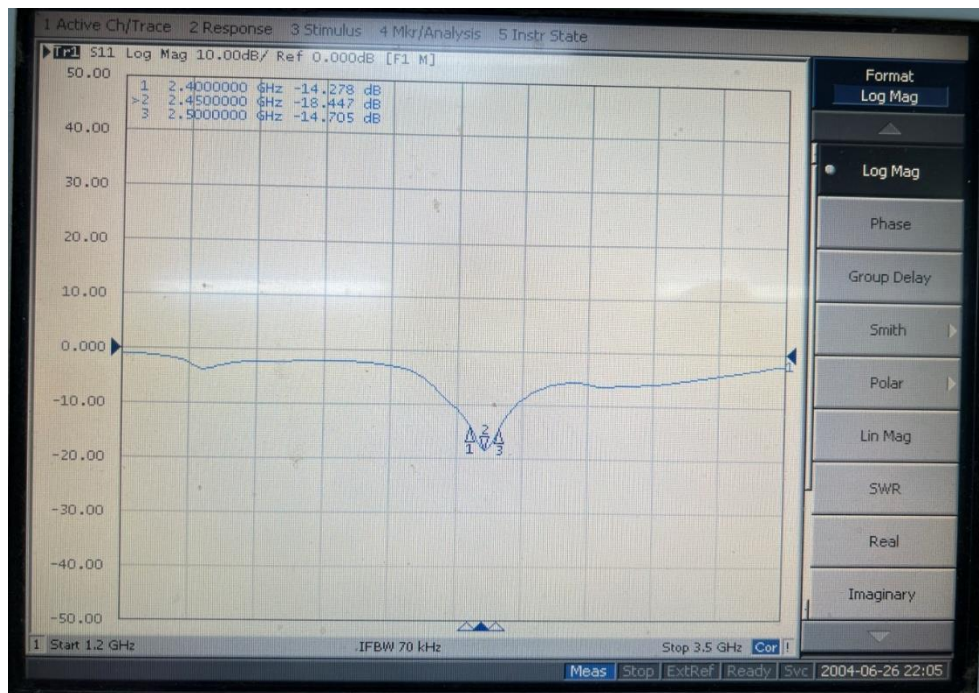


2. 2. 1. Antenna VSWR



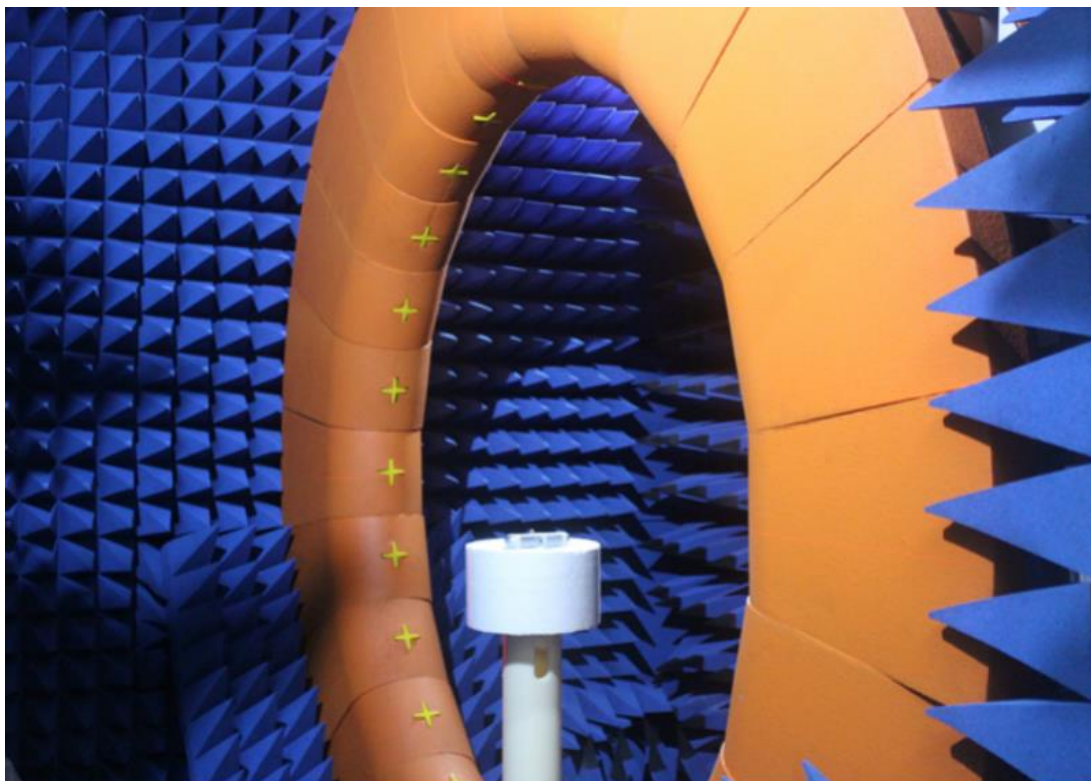
# ANTENNA SPECIFICATION

## 2.2.2. Antenna Return loss



## 2.3. Antenna passive test data

### 2.3.1. Test system



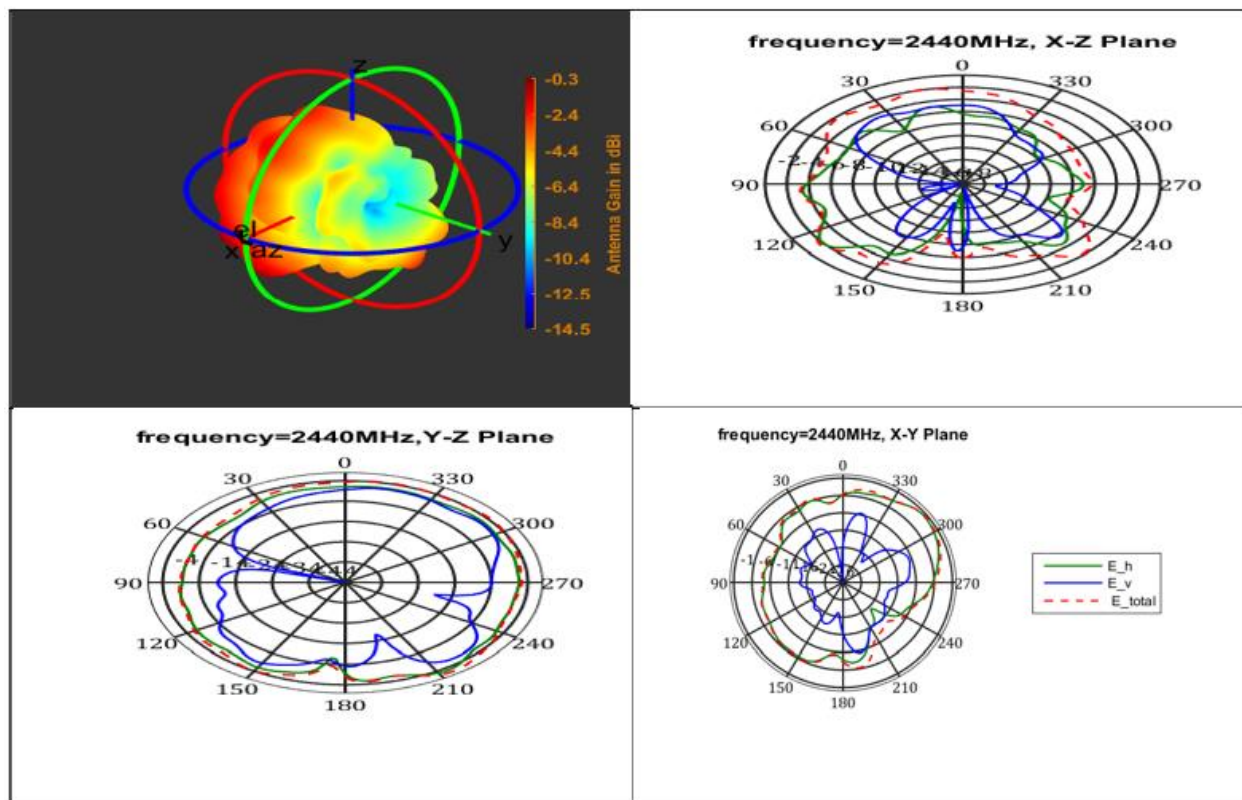
Shenzhen Feimin Technology Co., Ltd. (24-probe OTA microwave darkroom)

## ANTENNA SPECIFICATION

### 2.3.2. Antenna efficiency and gain

| Frequency (MHz) | Gain (dBi) | Efficiency (%) |
|-----------------|------------|----------------|
| 2400 MHz        | -0.47      | 26.58          |
| 2410 MHz        | -0.53      | 27.15          |
| 2420 MHz        | -0.04      | 30.53          |
| 2430 MHz        | -0.09      | 30.66          |
| 2440 MHz        | -0.35      | 30.16          |
| 2450 MHz        | -0.27      | 31.07          |
| 2460 MHz        | -0.30      | 28.60          |
| 2470 MHz        | -0.62      | 31.81          |
| 2480 MHz        | -0.22      | 31.45          |
| 2490 MHz        | 0.11       | 30.53          |
| 2500 MHz        | -0.01      | 28.43          |

### 2.3.3. Antenna Radiation Pattern



# ANTENNA SPECIFICATION

## 3. Notes

①. When installing, be careful not to be too close to the metal parts to avoid affecting the antenna performance. ②. This antenna is only suitable for this type of machine. The position of the antenna cannot be changed at will, and it is not our business' responsibility if it is used on other machines that results in poor results. ③. The data used in this acknowledgment (e.g., antenna efficiency, gain, etc.) are data obtained from laboratory tests of the acknowledgement project / antenna in Shenzhen Fei Min Technology Co., Ltd.

## 4. Product packaging specification

|                                          |                                      |                                        |                                      |
|------------------------------------------|--------------------------------------|----------------------------------------|--------------------------------------|
| <b>Product name: FPC antenna</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. | client's name                          |                                      |
| product name                             | *****                                | supplier                               | Shenzhen Feimin Technology Co., Ltd. |
| Material                                 | *****                                | Order number                           | *****                                |
| coding                                   | *****                                | Material                               | *****                                |
| Specifications                           | *****                                | Specification                          | *****                                |
| quantity                                 | ***PCS                               | 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.