



# 深圳市飞敏科技有限公司

ShenZhen City FeiMin Technology CO.,LTD.

## 产品承认书

SPECIFICATION FOR APPROVED

客户

CUSTOMER:

Shenzhen Fudeyuan Digital Technology Co. Ltd

产品名称

PRODUCTS:

BT Antenna

客户料号

PART NO:

1A0.XBR189BT-01

产品型号

Spec.:

FM-S1880-XBAR-189-BT

日期

Data:

2025.6.11

| 供应商               |                  |                   |
|-------------------|------------------|-------------------|
| SUPPLIER          |                  |                   |
| 拟制<br>PREPARED BY | 审核<br>CHECKED BY | 批准<br>APPROVED BY |
| 陈媛                | 夏兴喜              | 马冬冬               |

| 客户                |                  |                   |
|-------------------|------------------|-------------------|
| CUSTOMER          |                  |                   |
| 承认<br>ACCEPTED BY | 审核<br>CHECKED BY | 批准<br>APPROVED BY |
|                   |                  |                   |

备注：承认盖章后请回复一份承认书（或复印件）给我司，其余由贵公司存档

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

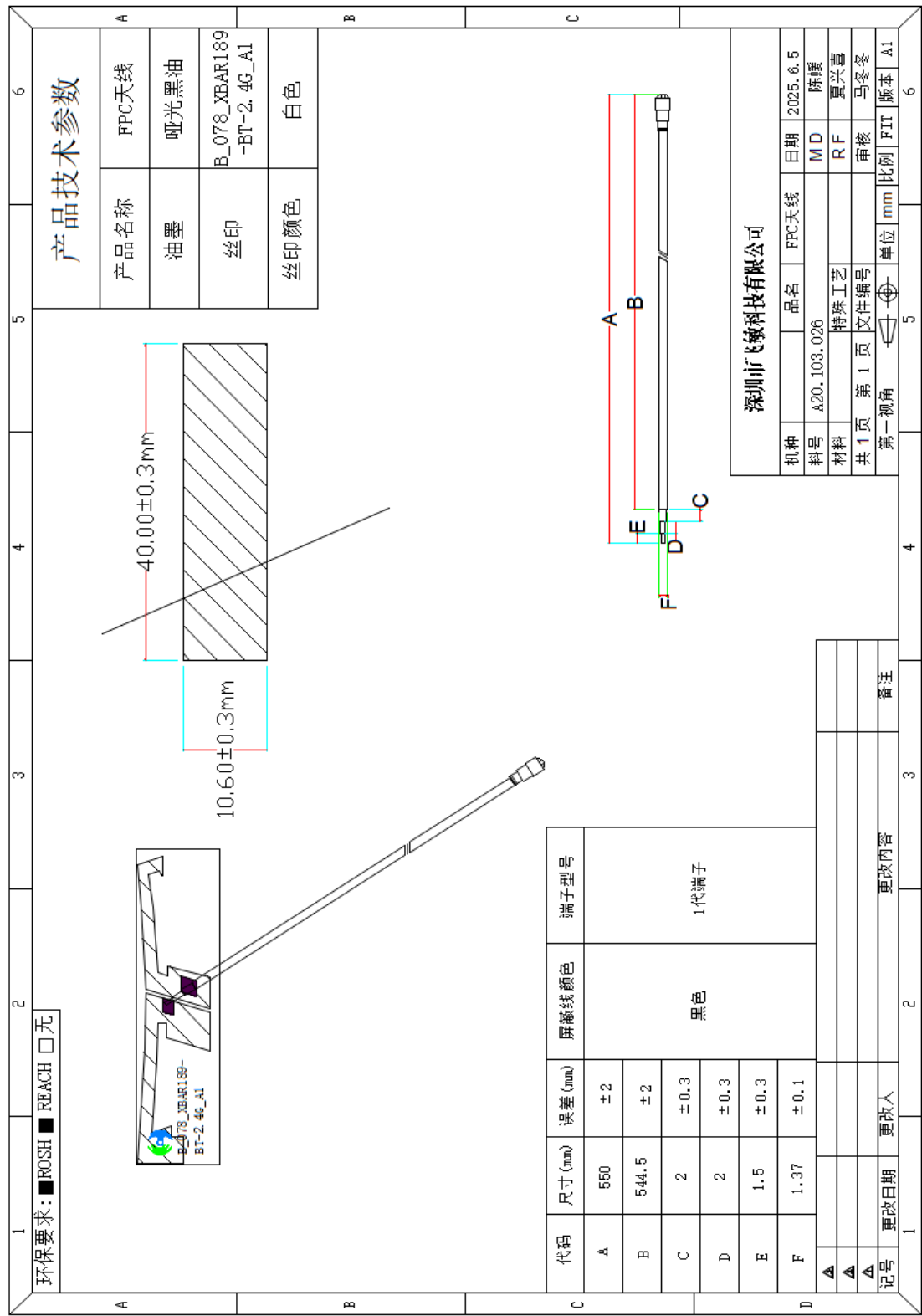
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## Revision history

| Version | Date      | Status   |
|---------|-----------|----------|
| A1      | 2025-6-11 | Original |
|         |           |          |
|         |           |          |
|         |           |          |

1. 项目信息 Project Information

1.1.外观尺寸 Appearance and Dimensions

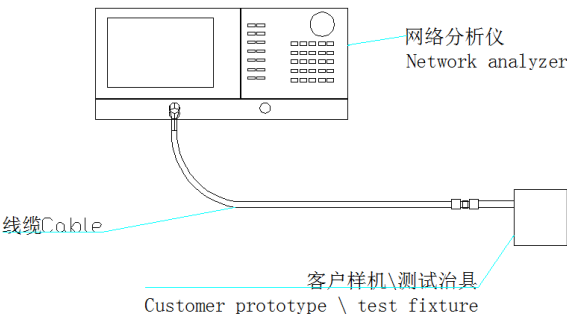


2. 电气性能 Electrical Characteristics

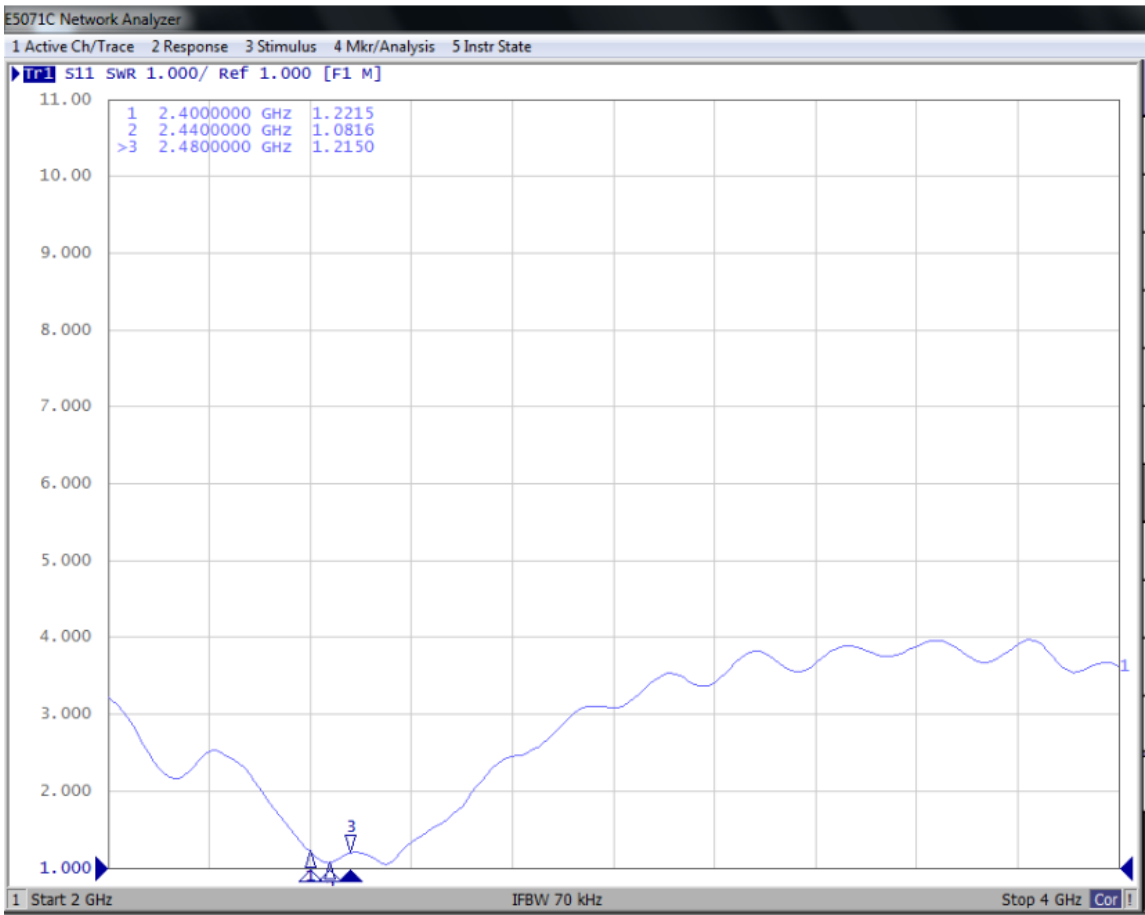
2.1.测试环境条件 Test Environment Conditions

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

2.2.测示方法 Measurement method

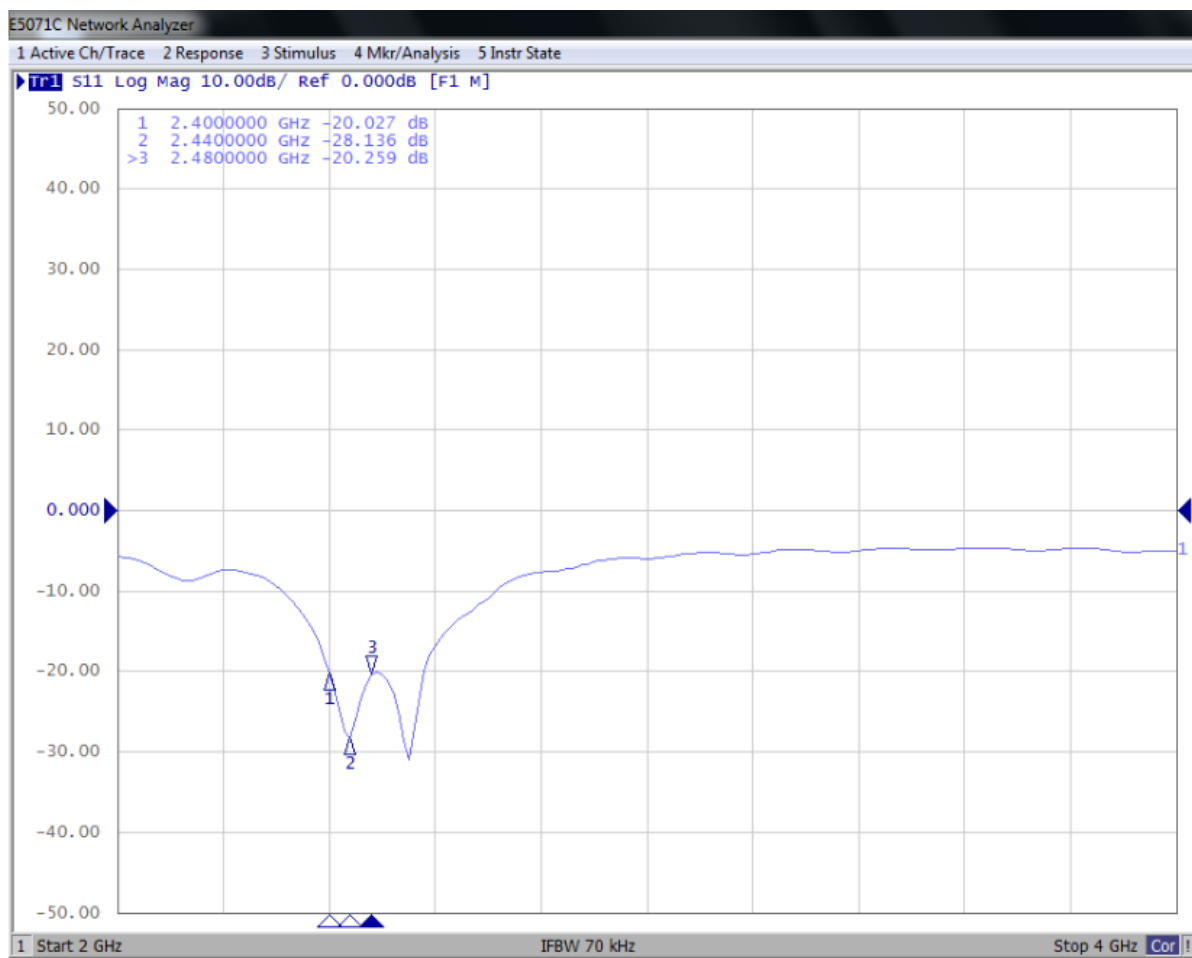


2.2.1. 天线电压驻波比 Antenna VSWR



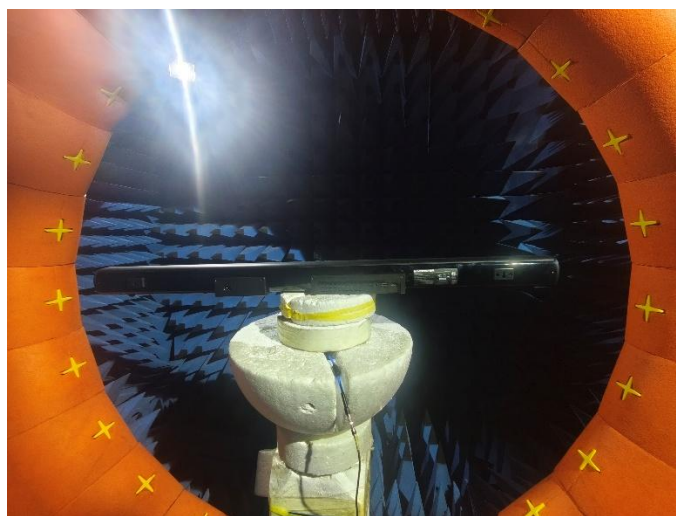
## ANTENNA SPECIFICATION

### 2.2.2. 天线回波损耗 Antenna Return loss



### 2.3. 天线无源测试数据 Antenna passive test data

#### 2.3.1. 测试系统 Test system



深圳市飞敏科技有限公司（24 探头 OTA 微波暗室）



## ANTENNA SPECIFICATION

### 2.3.2 天线效率及增益 Antenna efficiency and gain

| 天线        |                |           |
|-----------|----------------|-----------|
| Freq(MHz) | Efficiency (%) | Gian(dBi) |
| 2400      | 30.43          | 1.69      |
| 2410      | 30.91          | 1.66      |
| 2420      | 31.87          | 1.70      |
| 2430      | 32.44          | 1.75      |
| 2440      | 32.81          | 1.80      |
| 2450      | 33.06          | 1.84      |
| 2460      | 32.72          | 1.82      |
| 2470      | 32.78          | 1.80      |
| 2480      | 32.06          | 1.77      |
| 2490      | 31.97          | 1.80      |
| 2500      | 31.88          | 1.79      |

### 2.3.3. 天线辐射方向图 Antenna Radiation Pattern

