



# **SPECIFICATION**

## **APPLICATION FOR APPROVAL**

**CUSTOMER:** Jushenzhiren

**CUST P/N:**

**PART NAME:** FPC Antenna

**DEVE NO:** WTTX240354B

**WUTONG NO:**

### **REVISION**

| REV.NO. | DATE       | DESCRIPTION |
|---------|------------|-------------|
| X1      | 2026.03.05 | APPROVAL    |
|         |            |             |
|         |            |             |

| Customer                      |            |             |
|-------------------------------|------------|-------------|
| Approved by                   |            |             |
| Wutong Holding Group Co., Ltd |            |             |
| Drawn by                      | Checked by | Approved by |
|                               |            |             |



## 1、Electrical parameters

|                 |                               |
|-----------------|-------------------------------|
| Frequency       | 2.4~2.5GHz/5.15~5.85GHz       |
| Impedance       | $50 \pm 2$ Ohm                |
| S.W.R.          | $\leq 2.0$ (FOR chassis test) |
| Max Input Power | $\geq 5$ W                    |

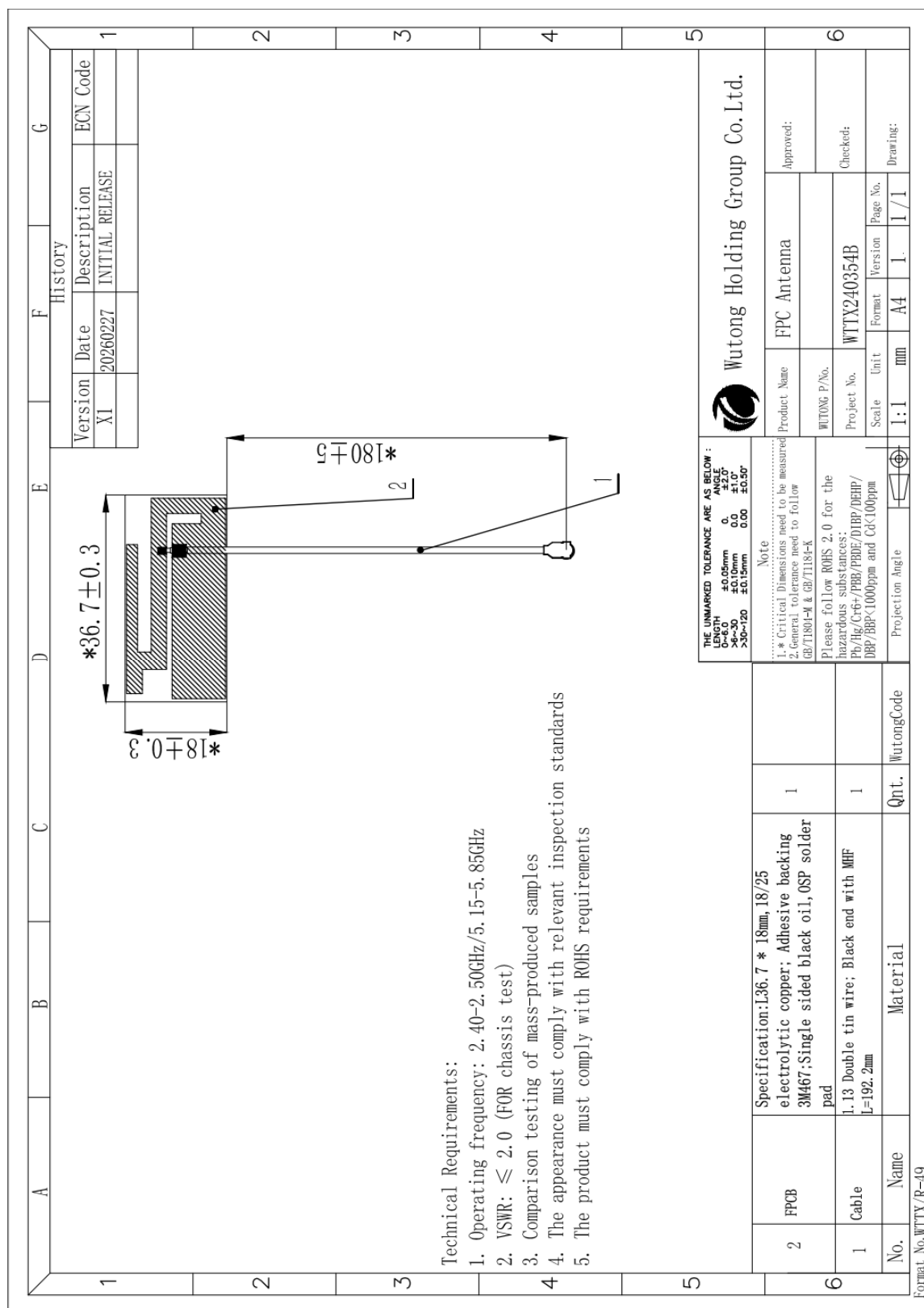
## 2、Mechanical parameters

|                |                           |
|----------------|---------------------------|
| Connector Type | MHF PLUGFOR 1.13Cable     |
| Cable Type     | 1.13 Coaxial cable, black |
| Packaging      | PE bag packaging          |

## 3、Operating/ Storage Temperature

|                       |            |
|-----------------------|------------|
| Operating Temperature | -30°C~65°C |
| Storage Temperature   | -30°C~65°C |

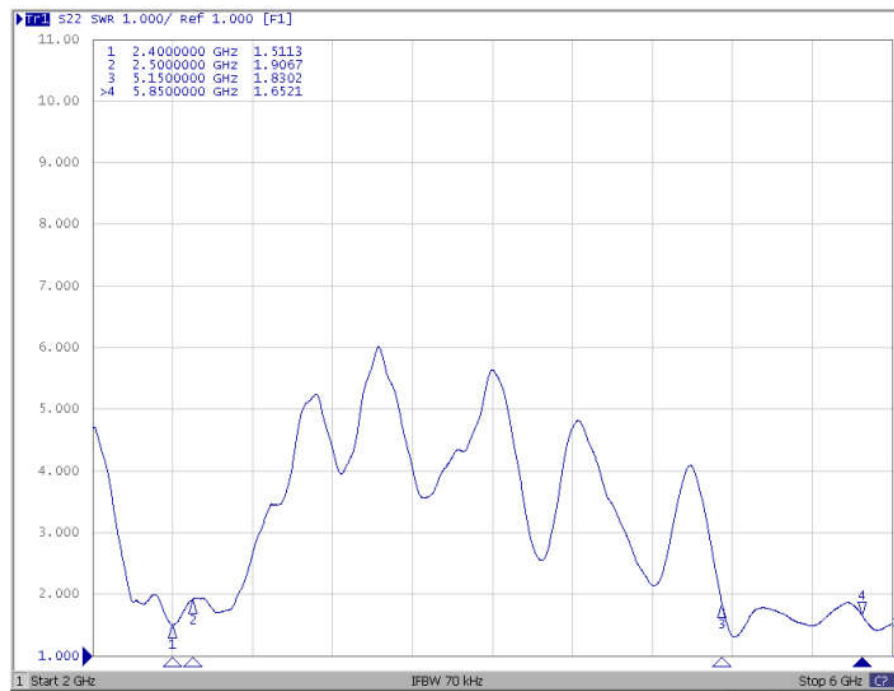
#### 4: Product drawings





## 5: Test report

### 5.1: VSWR



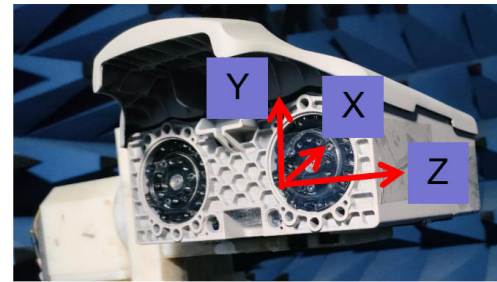
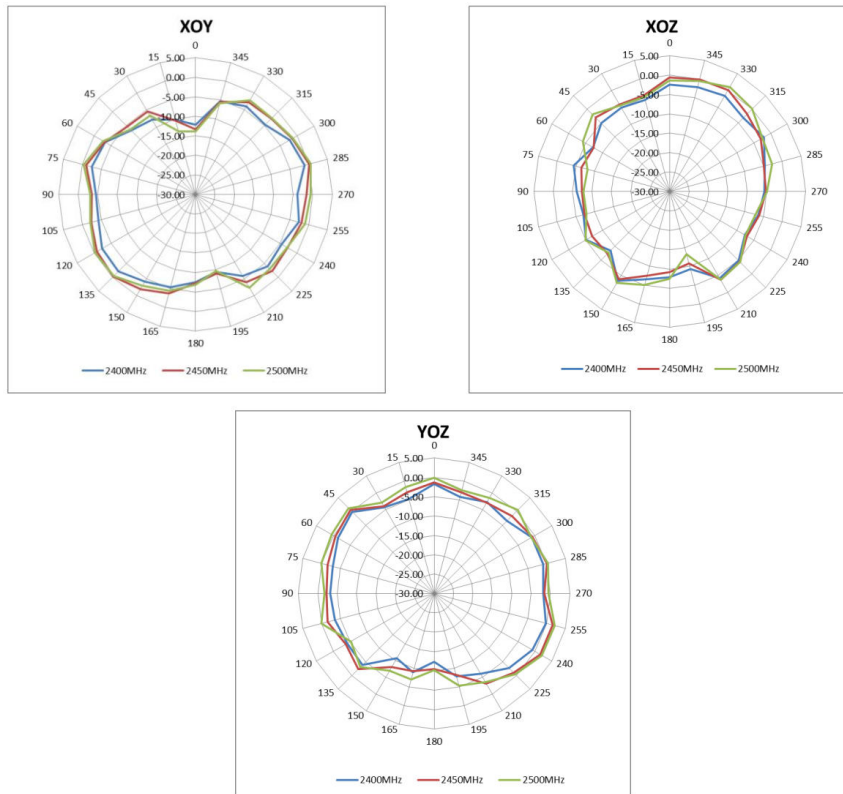
### 5.2: Gain&Efficiency

| Freq(MHz) | Effi(%) | Gain(dBi) |
|-----------|---------|-----------|
| 2400      | 52.86   | 2.64      |
| 2410      | 51.91   | 2.78      |
| 2420      | 50.62   | 2.81      |
| 2430      | 50.44   | 2.91      |
| 2440      | 49.01   | 3.25      |
| 2450      | 48.68   | 3.24      |
| 2460      | 48.01   | 3.30      |
| 2470      | 46.88   | 3.44      |
| 2480      | 47.19   | 3.46      |
| 2490      | 47.47   | 3.31      |
| 2500      | 46.18   | 3.16      |
|           |         |           |
| 5150      | 49.92   | 3.79      |
| 5250      | 51.30   | 3.53      |
| 5350      | 52.91   | 3.85      |
| 5450      | 55.01   | 3.53      |
| 5550      | 57.48   | 3.31      |
| 5650      | 60.33   | 3.35      |
| 5750      | 62.91   | 3.35      |
| 5850      | 61.68   | 3.72      |



## 5.3: 2D directional diagram

### 2.4G



### 5G

