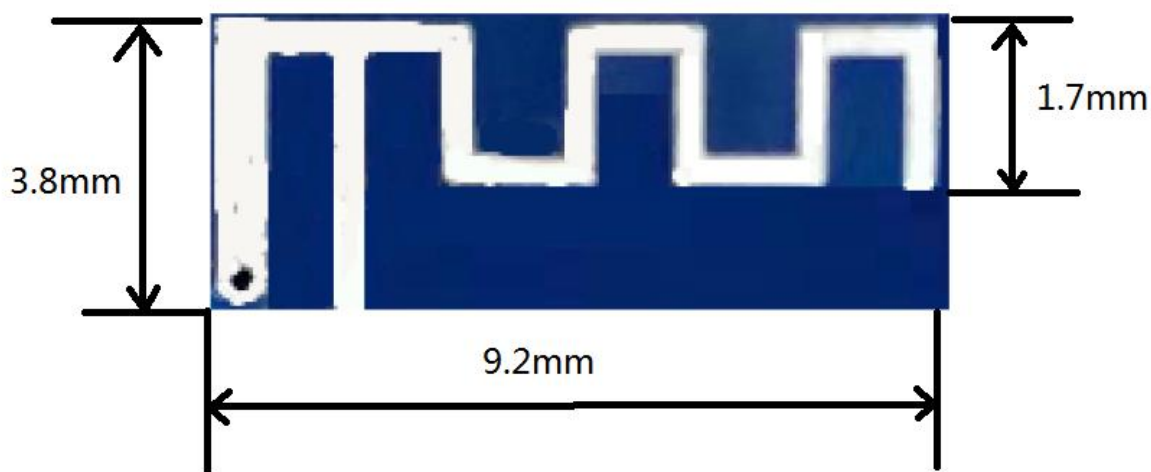


# Antenna Specification

## Specifications Summary

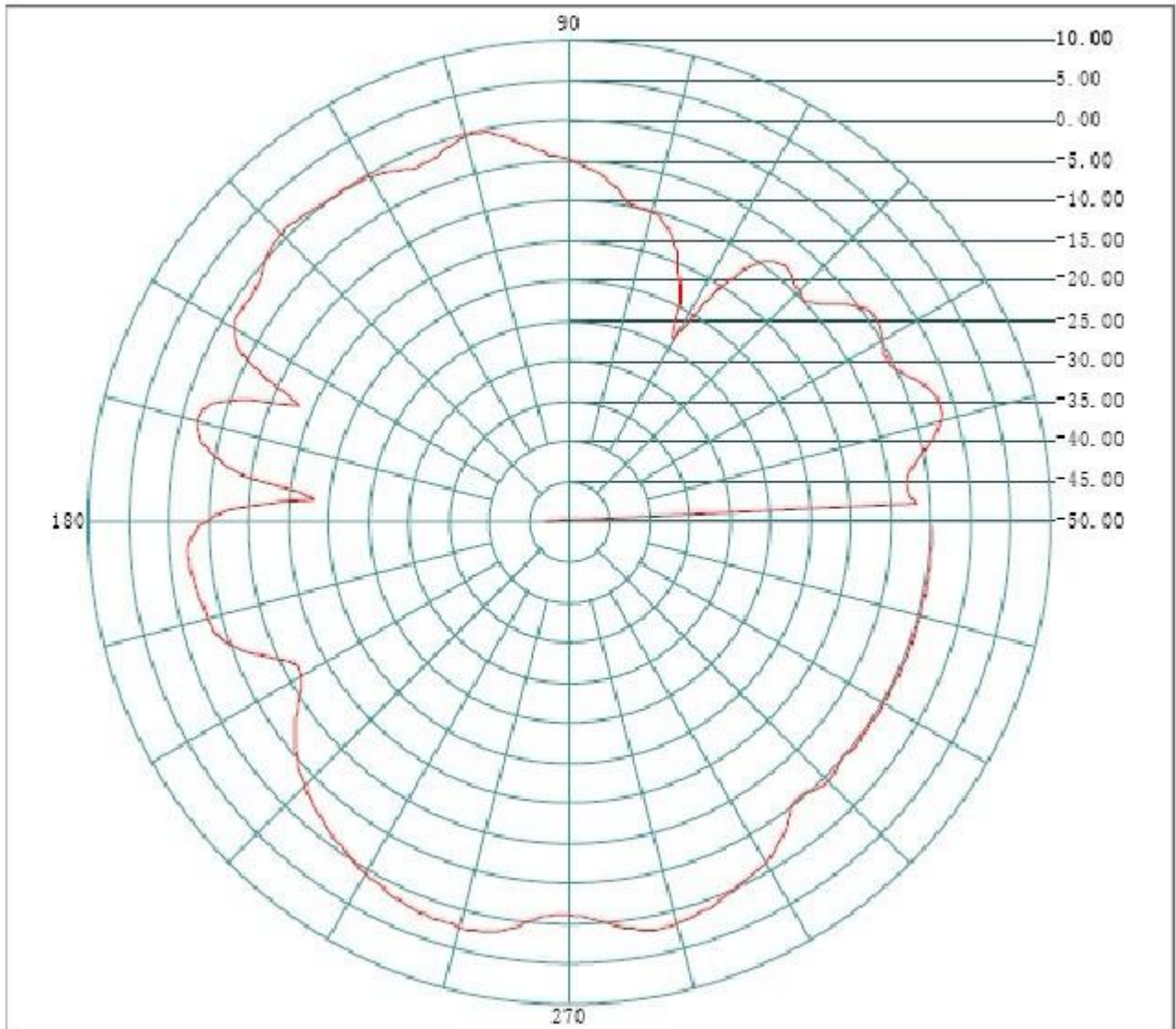
| ITEM                 | SPEC.                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Model Name           | PCB Antenna                                                                                                                      |
| Frequency            | 2400-2500 MHz                                                                                                                    |
| MAX. GAIN            | 1.06 dBi                                                                                                                         |
| Polarization         | Horizontal                                                                                                                       |
| Azimuth Beam Pattern | Omni-directional                                                                                                                 |
| Impedance            | 50 $\Omega$                                                                                                                      |
| Manufacturer         | Shenzhen Jieli Technology Co., LTD                                                                                               |
| Address              | B502, Building A, Donghua Zhizao Park, No.5003<br>Baonan Avenue, Sanwei Community, Hangcheng<br>Street, Baoan District, Shenzhen |



|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Test Address    | 16 Tzu Chiang Road, Hsinchu Industrial District Hsinchu Hsien 303, Taiwan |
| Test Date       | 2023-08-10                                                                |
| Test Instrument | vector network analyzer - R&S ZVB20                                       |

## 1. Main antenna : 2400MHz

### 1.1 Horizontal



Frequency(MHZ): **2400**

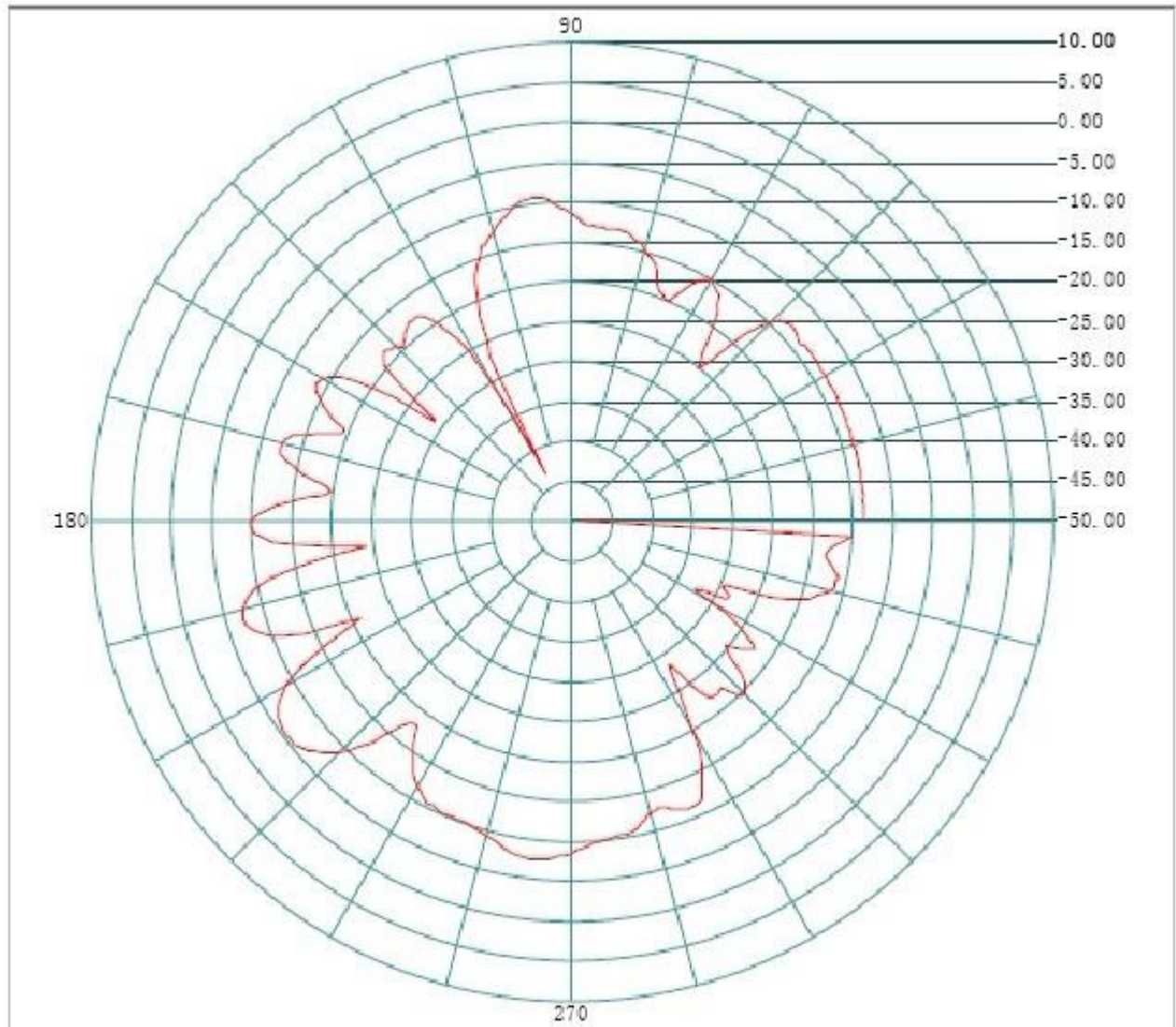
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **1.06**

Average Gain(dBi) : **-3.32**

Minimum Gain(dBi): **-53.04**

## 1.2 Vertical



Frequency(MHZ): **2400**

Antenna Polarity: **Vertical**

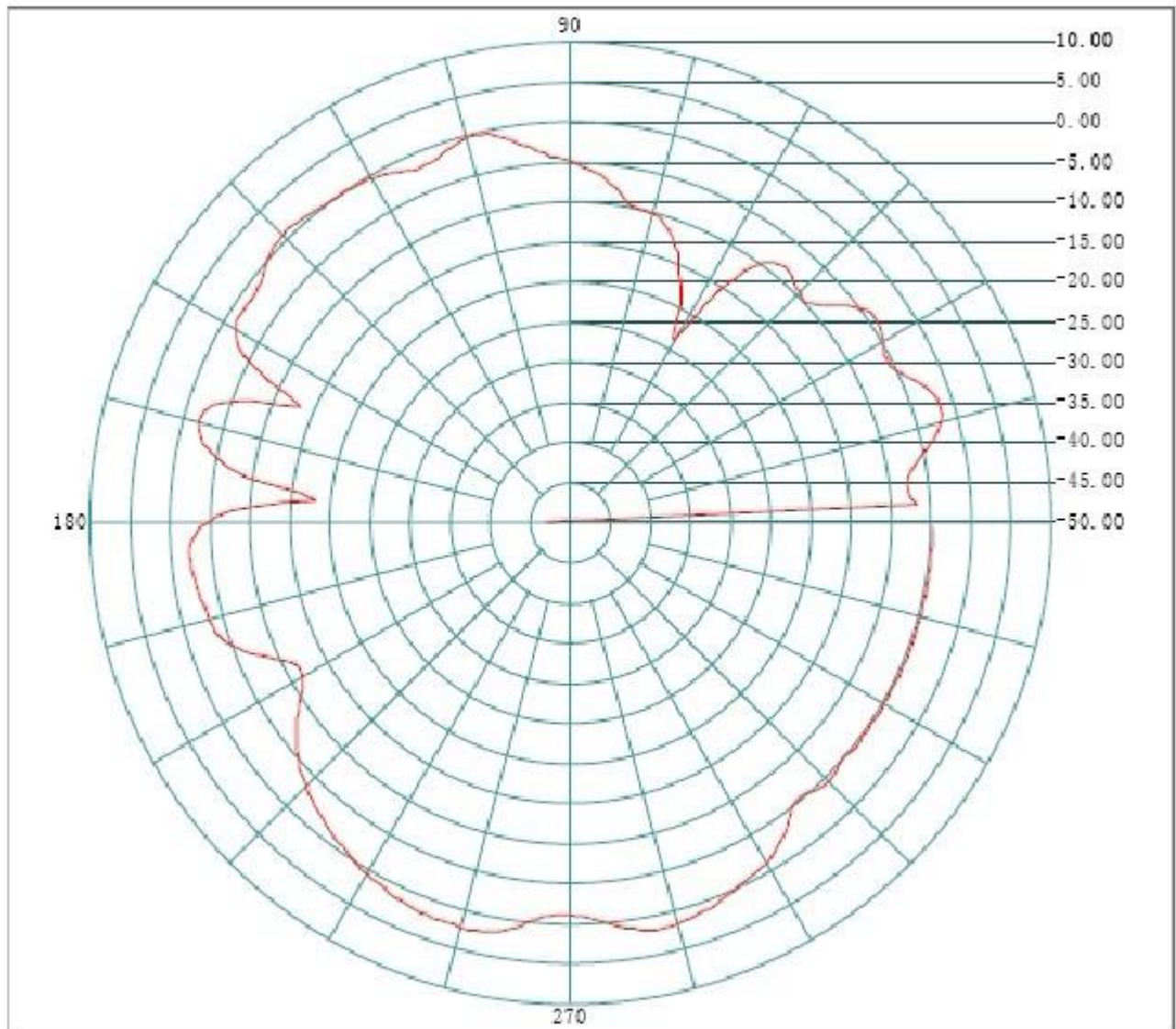
Maximum Value(dBi): **-4.01**

Average Gain(dBi) : **-6.64**

Minimum Gain(dBi): **-48.4**

## 2. Main antenna : 2450MHz

### 2.1 Horizontal



Frequency(MHZ): **2450**

Antenna Polarity: **Horizontal**

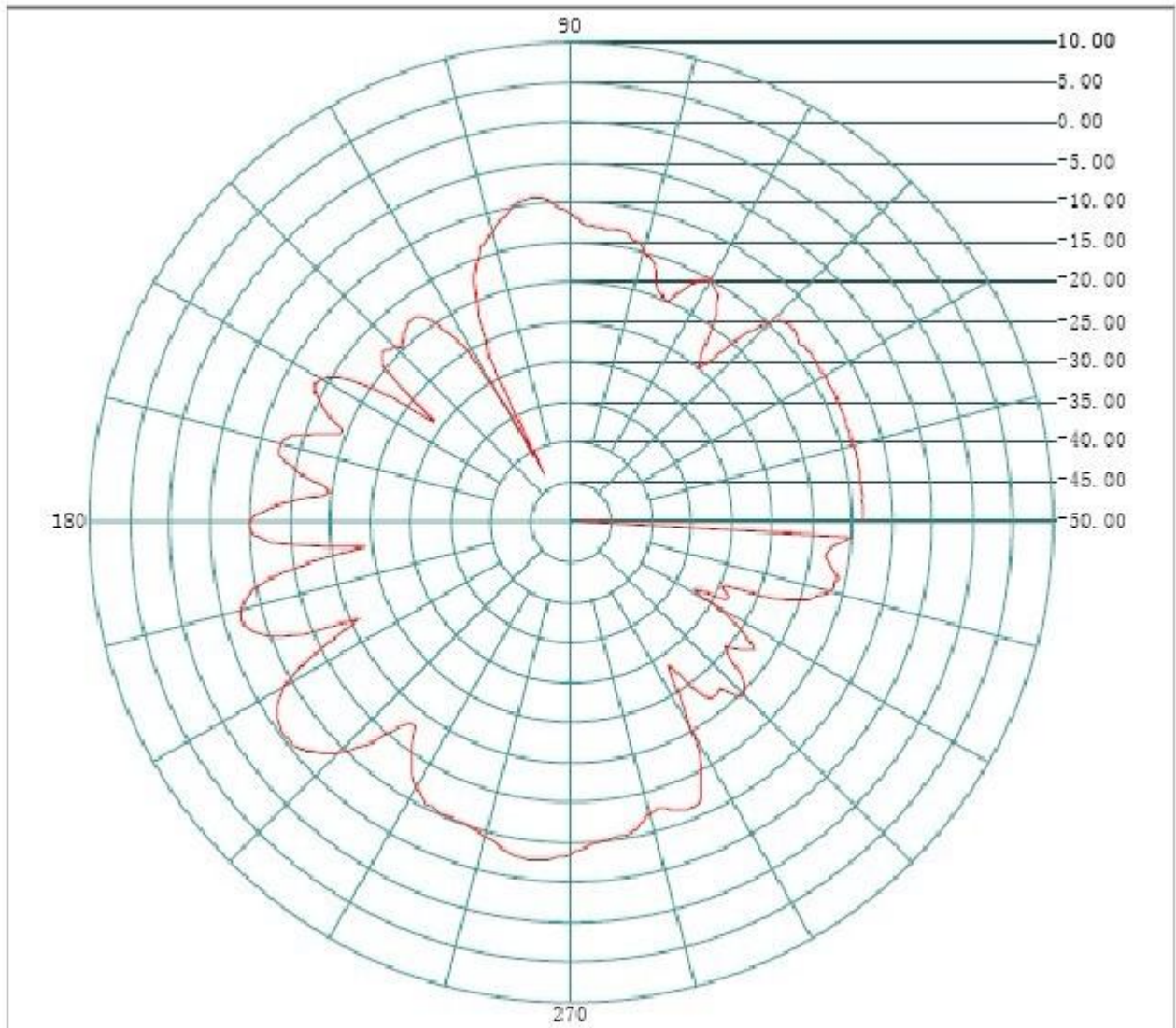
Maximum Value(dBi): **0.19**

Average Gain(dBi) : **-4.46**

Minimum Gain(dBi): **-55.84**



## 2.2 Vertical



Frequency(MHZ): **2450**

Antenna Polarity: **Vertical**

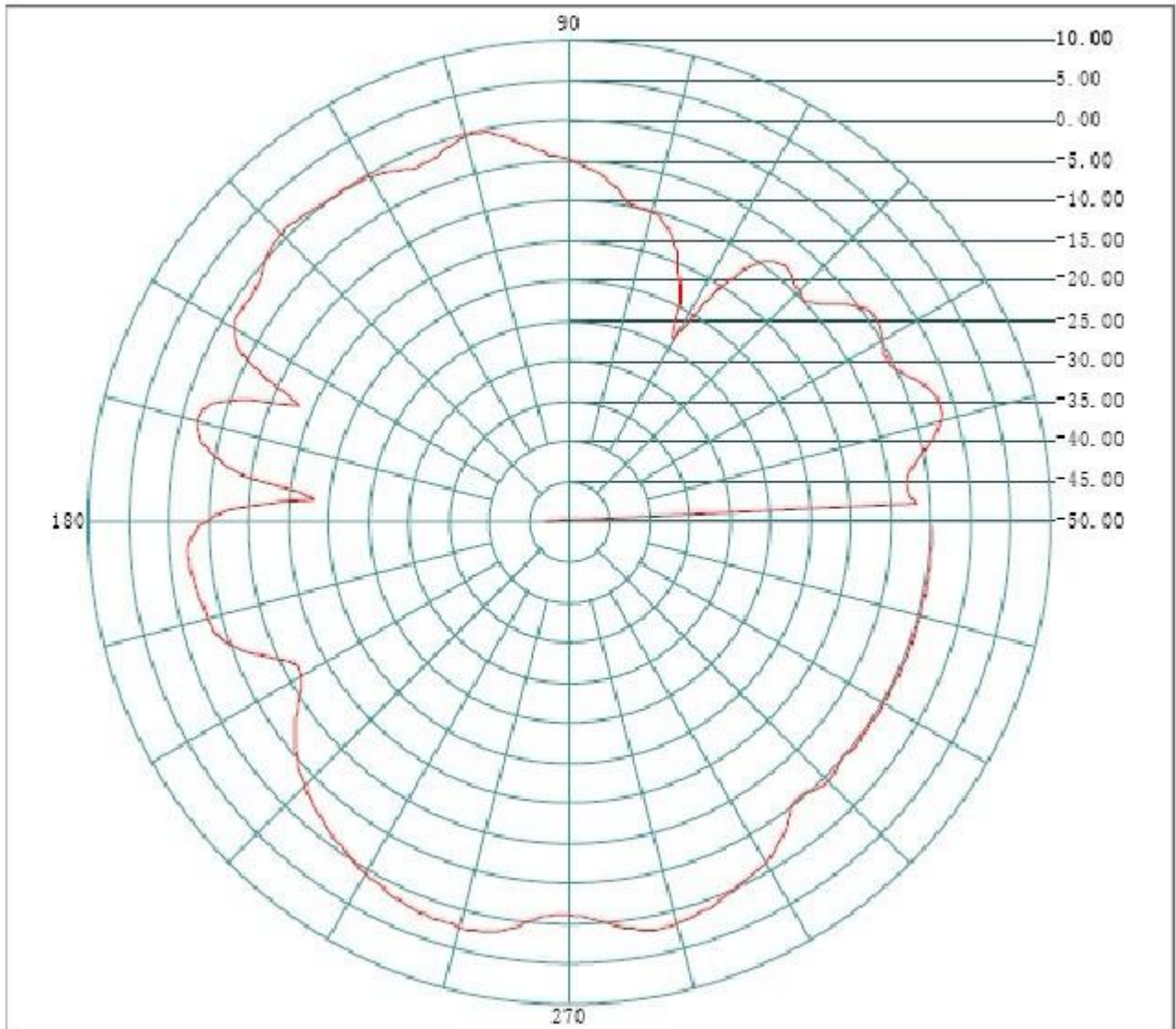
Maximum Value(dBi): **-5.14**

Average Gain(dBi) : **-7.64**

Minimum Gain(dBi): **-46.8**

### 3. Main antenna : 2500MHz

#### 3.1 Horizontal



Frequency(MHZ):      **2500**

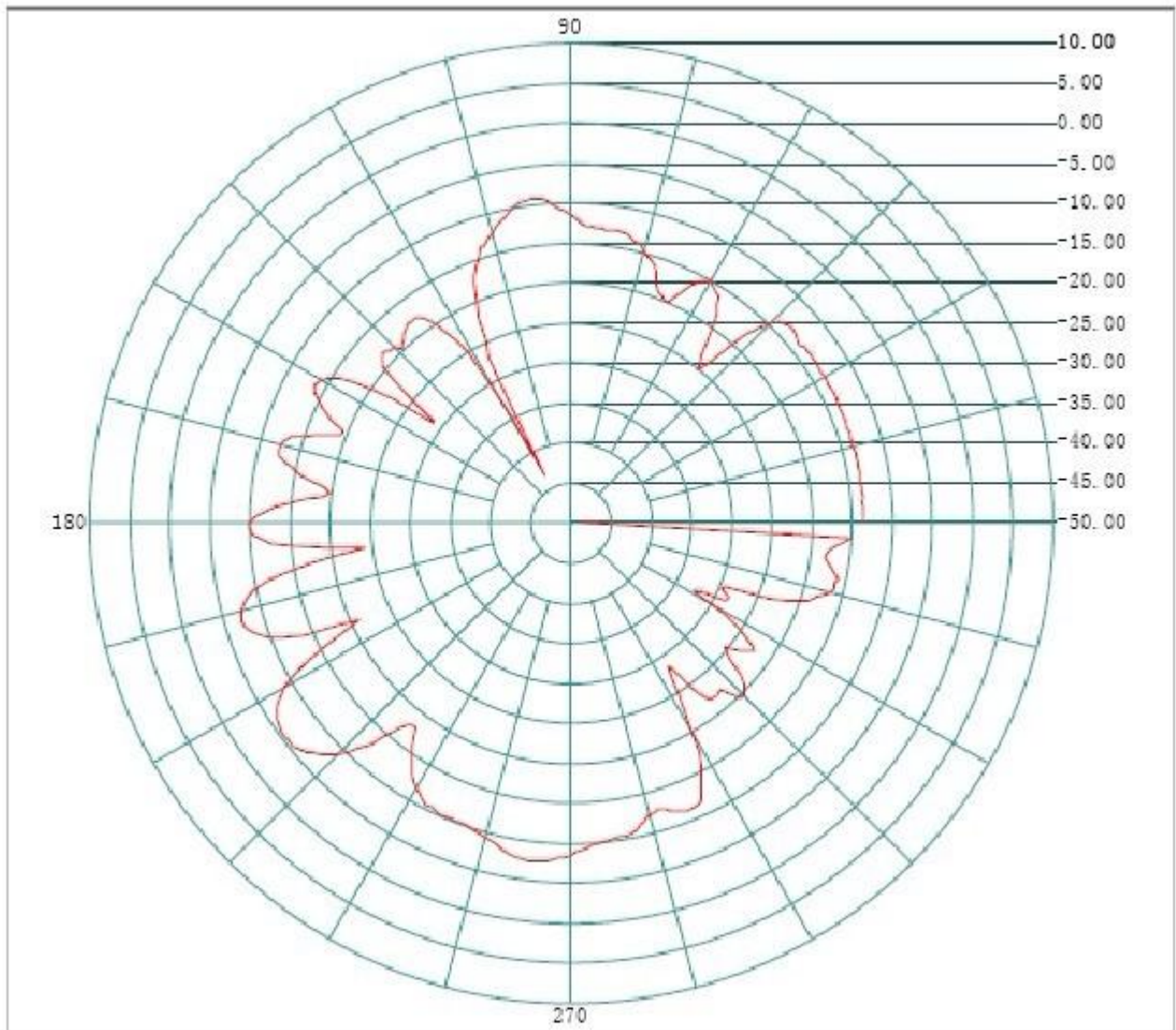
Antenna Polarity:      **Horizontal**

Maximum Value(dBi):   **0.26**

Average Gain(dBi) :   **-3.44**

Minimum Gain(dBi):   **-54.71**

### 3.2 Vertical



Frequency(MHZ): **2500**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **-4.38**

Average Gain(dBi) : **-6.85**

Minimum Gain(dBi): **-45.82**