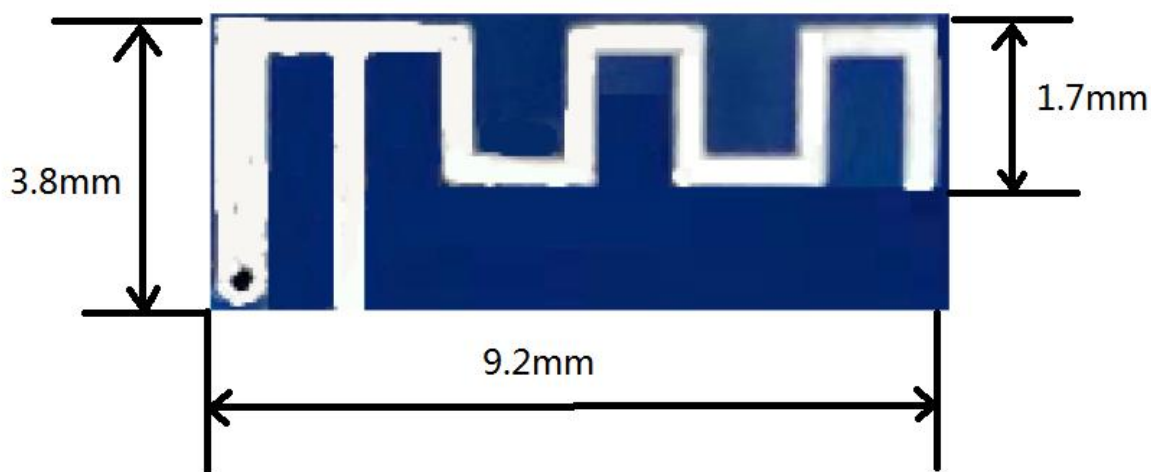


# Antenna Specification

## Specifications Summary

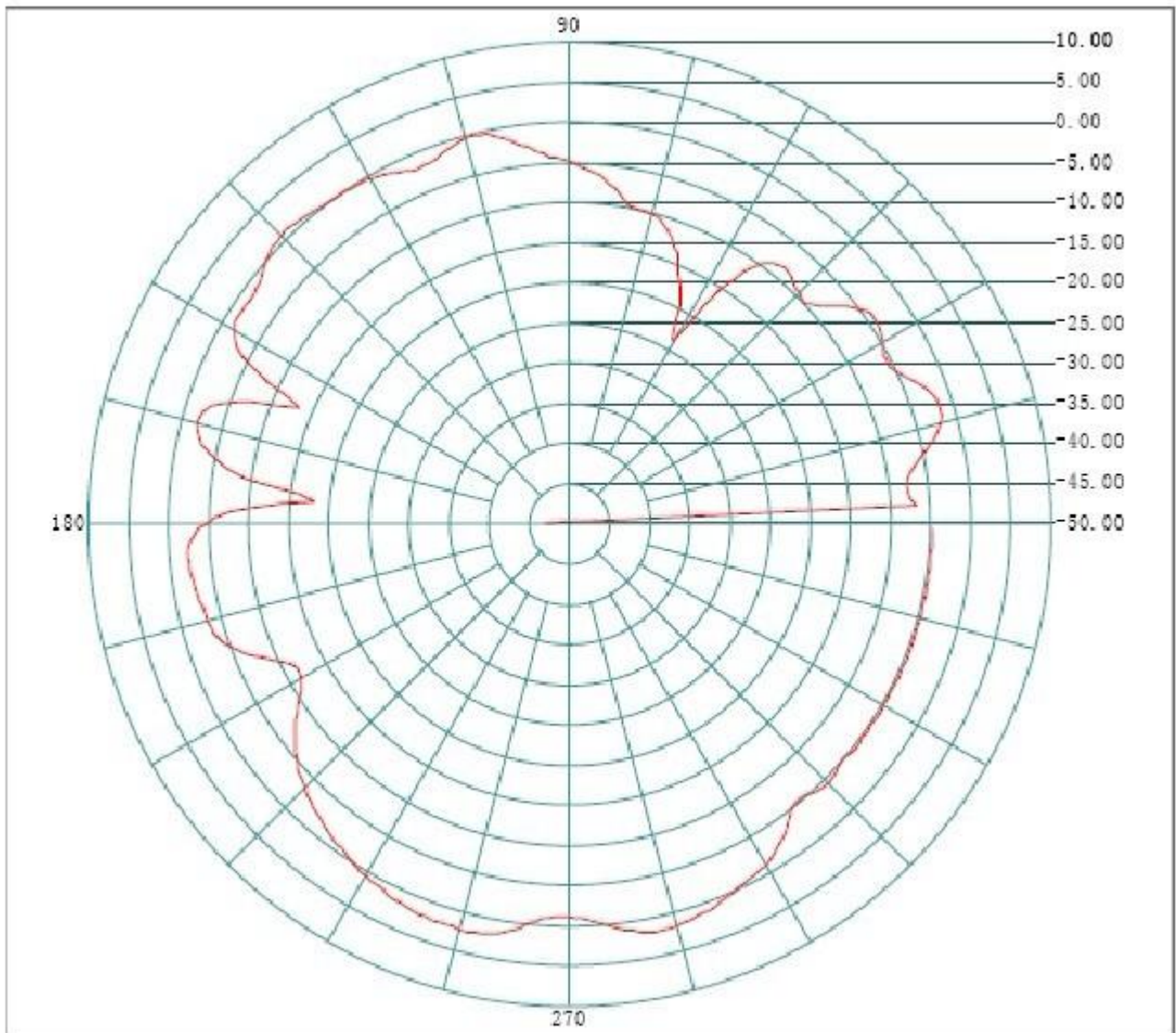
| ITEM                 | SPEC.            |
|----------------------|------------------|
| Model Name           | PCB Antenna      |
| Frequency            | 2400–2500 MHz    |
| MAX. GAIN            | −0.58 dBi        |
| Polarization         | Horizontal       |
| Azimuth Beam Pattern | Omni-directional |
| Impedance            | 50 $\Omega$      |



|                 |                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|
| 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                                                                                   |
| Manufacturer    | Shenzhen Wushuang Electronic Technology Co., Ltd.                                                                     |
| Address         | No. 202, New No. 6, Lezhujiao East, Huangmabu Community, Hangcheng Street, Baoan District, Shenzhen, Guangdong, China |

## 1. Main antenna : 2400MHz

### 1.1 Horizontal



Frequency(MHZ): **2441**

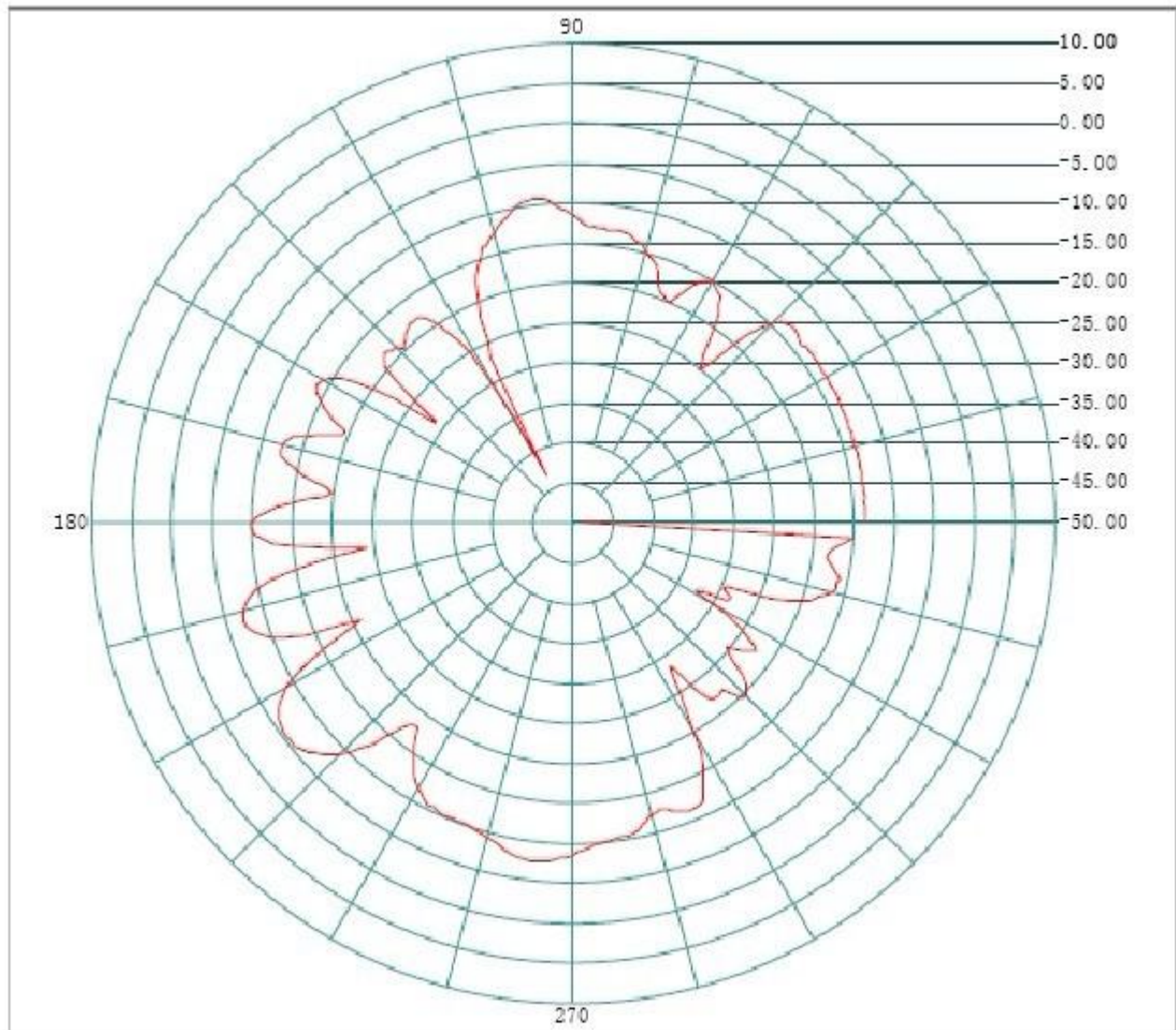
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-0.58**

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

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

## 1.2 Vertical



Frequency(MHZ): **2441**

Antenna Polarity: **Vertical**

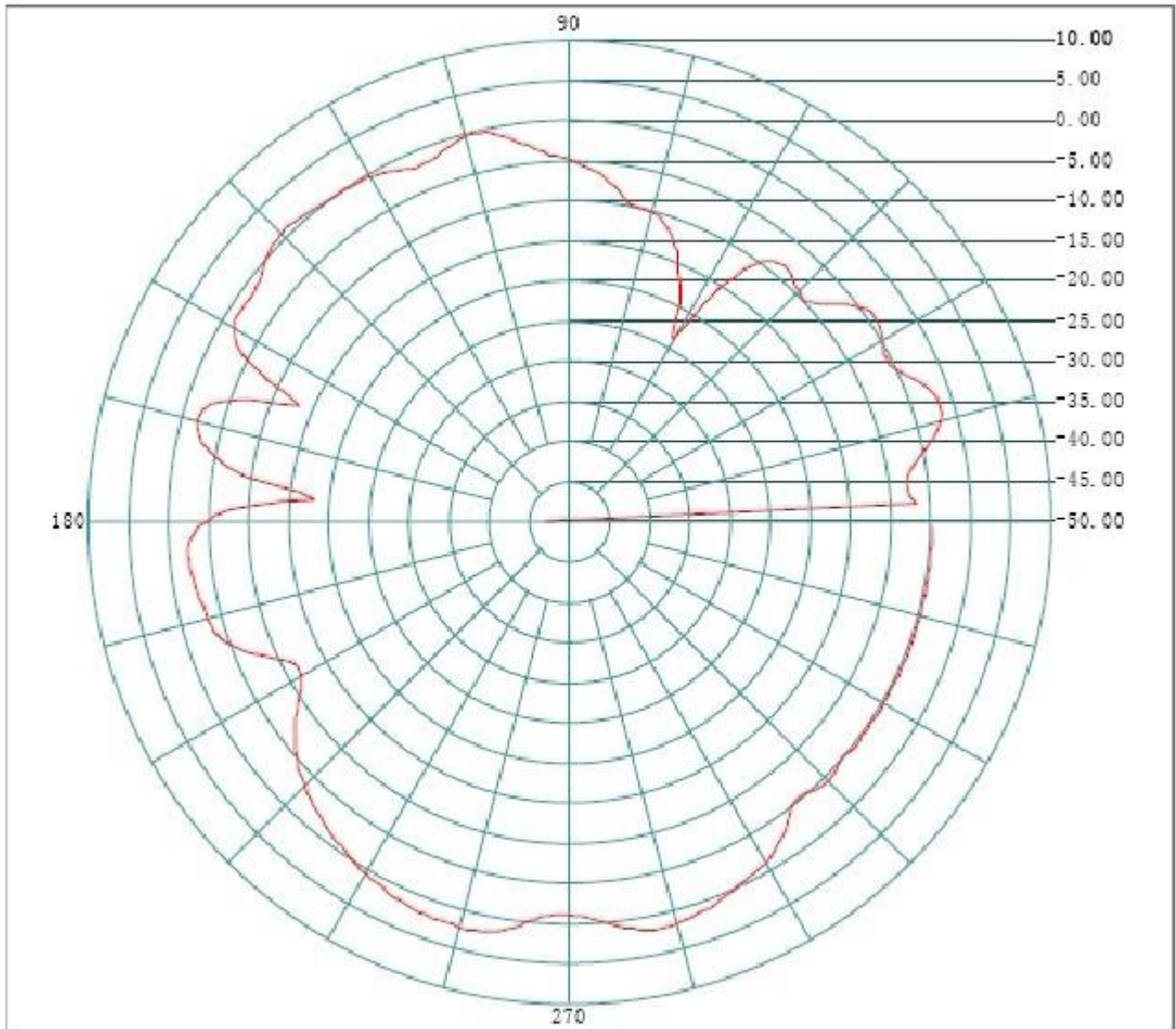
Maximum Value(dBi): **-4.01**

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

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

## 2. Main antenna : 2450MHz

### 2.1 Horizontal



Frequency(MHZ): **2441**

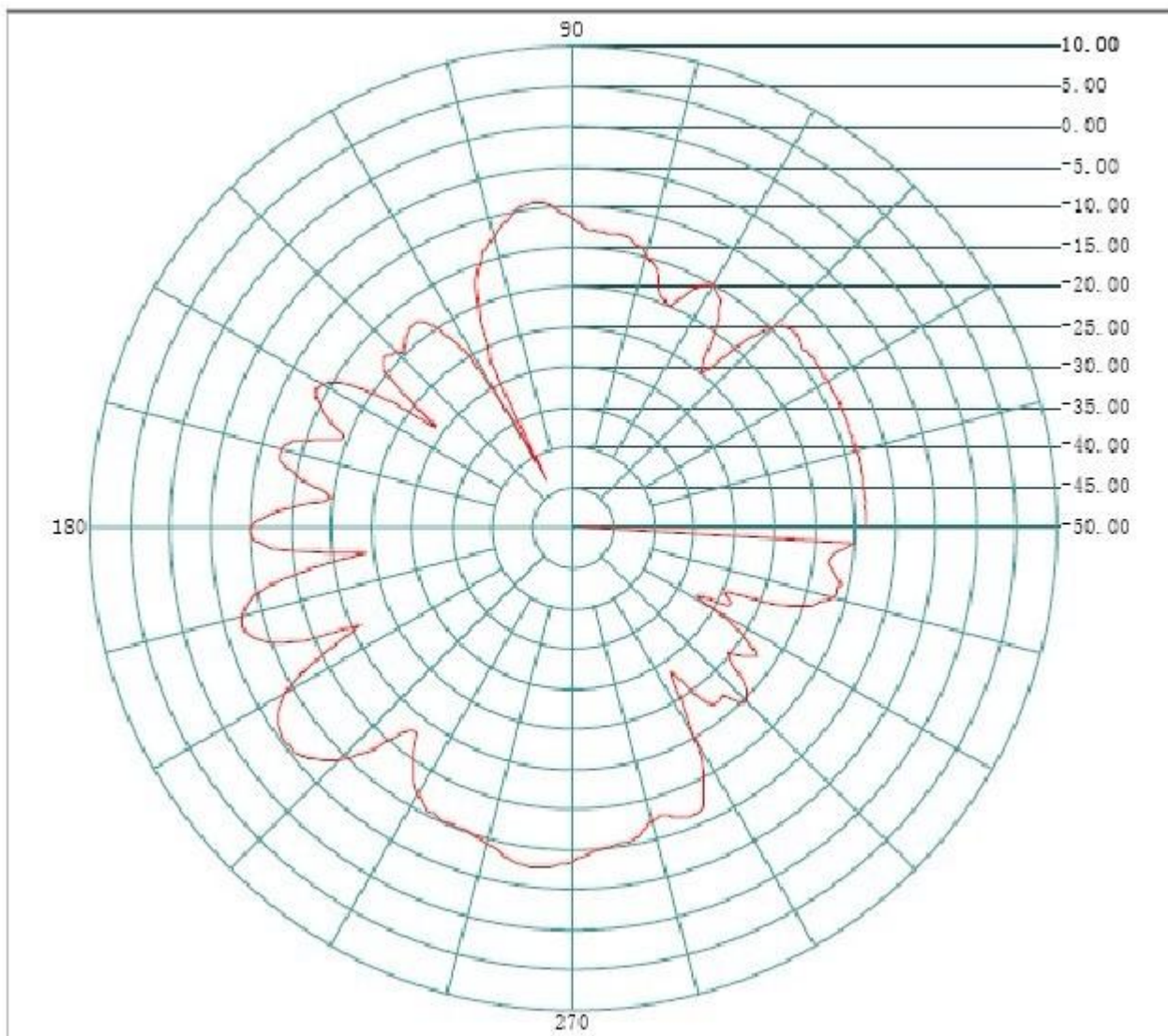
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-1.19**

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

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

## 2.2 Vertical



Frequency(MHZ): **2441**

Antenna Polarity: **Vertical**

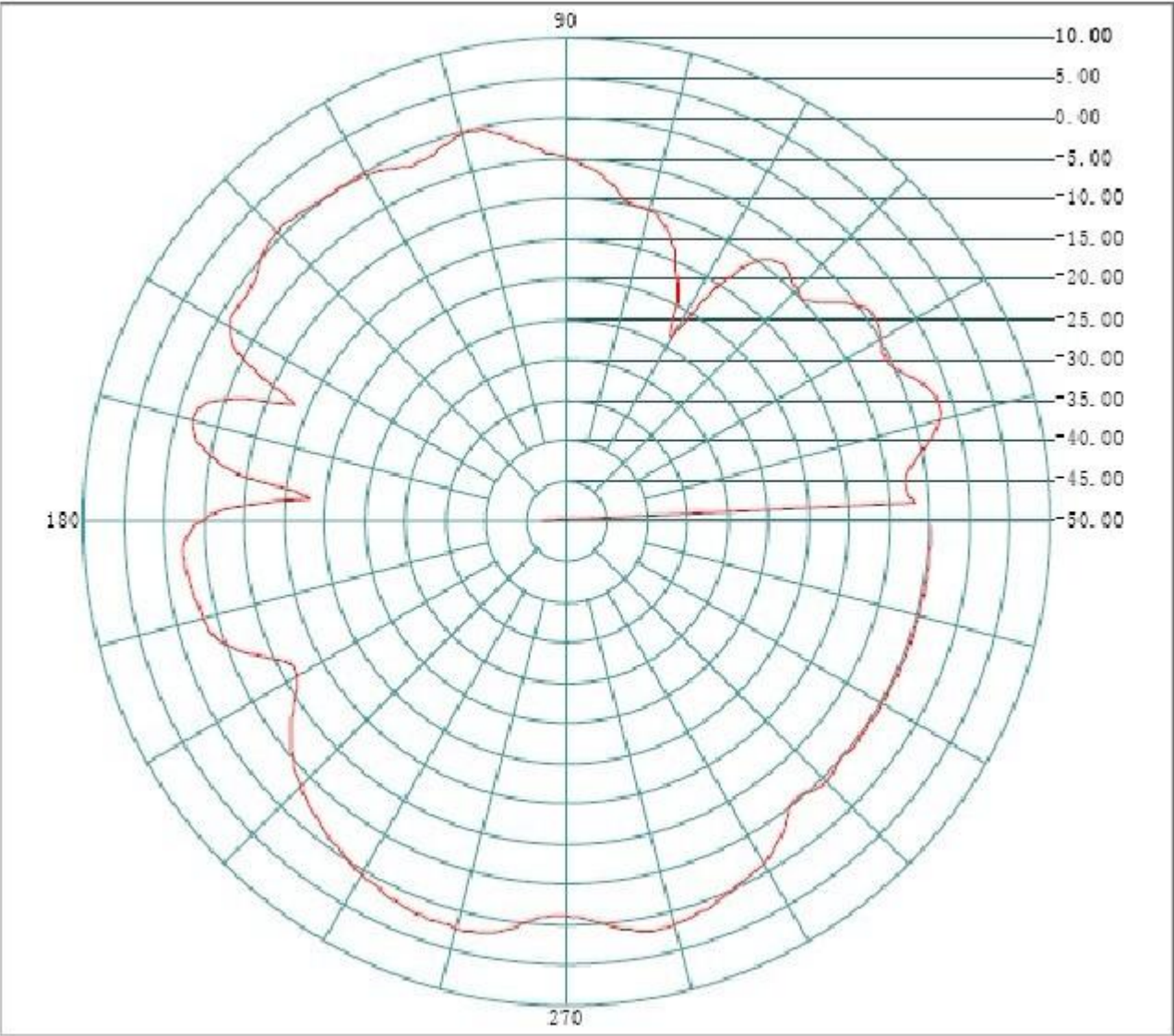
Maximum Value(dBi): **-5.14**

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

Minimum Gain(dBi): -46.8

3. Main antenna : 2500MHz

3.1 Horizontal



Frequency(MHZ): 2441

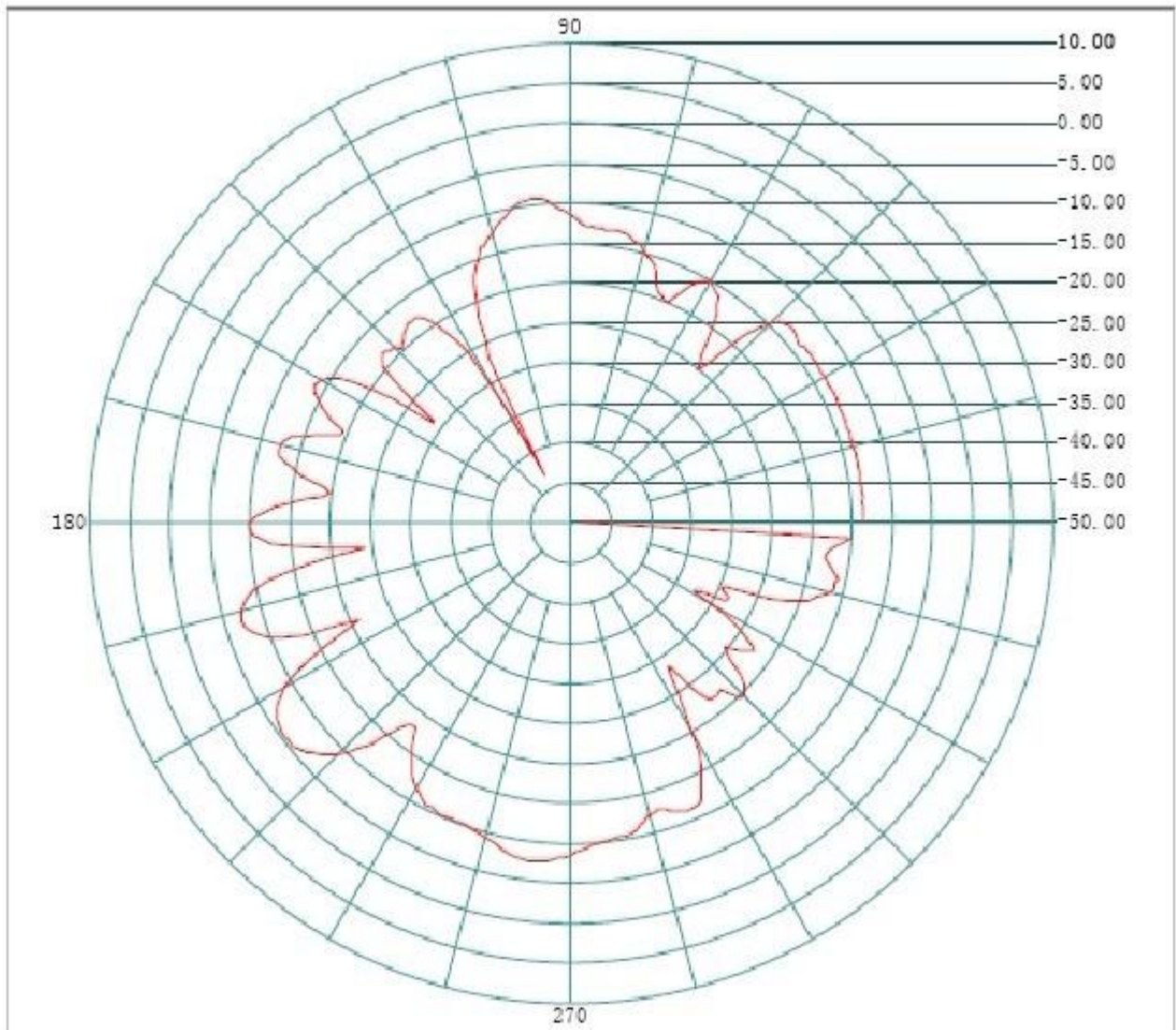
Antenna Polarity: Horizontal

Maximum Value(dBi): -1.26

Average Gain(dBi) : -3.44

Minimum Gain(dBi): **-54.71**

### 3.2 Vertical



Frequency(MHZ): **2441**

Antenna Polarity: **Vertical**

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

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

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