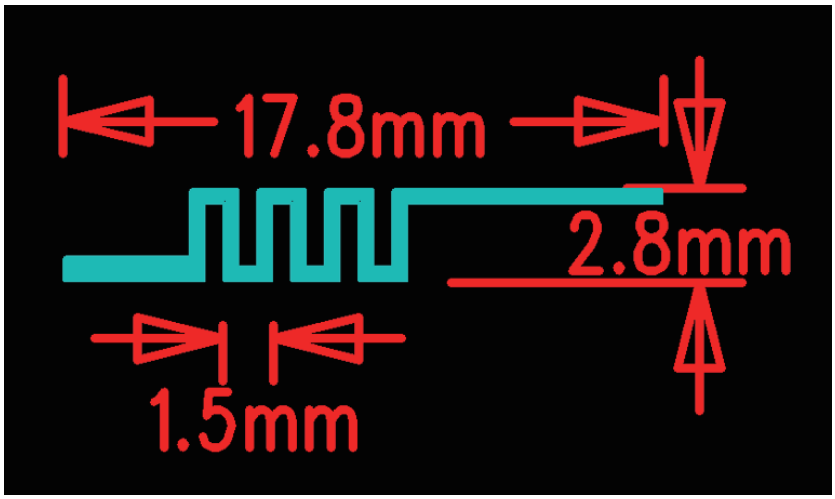
# Antenna Specification

## Specifications

Summary

| ITEM | SPEC. | |
|---|---|---|
| Antenna Type | PCB Antenna | |
| Center Frequency | 2402 MHz<br>2441 MHz<br>2480 MHz | 2.34 dBi<br>2.07dBi<br>1.45 dBi |
| MAX. GAIN | 2.34 dBi | |
| Polarization | Horizontal | |
| Azimuth Beam Pattern | Omni-directional | |
| Impedance | 50 Ω | |
| Antenna Length | 3.1cm | |

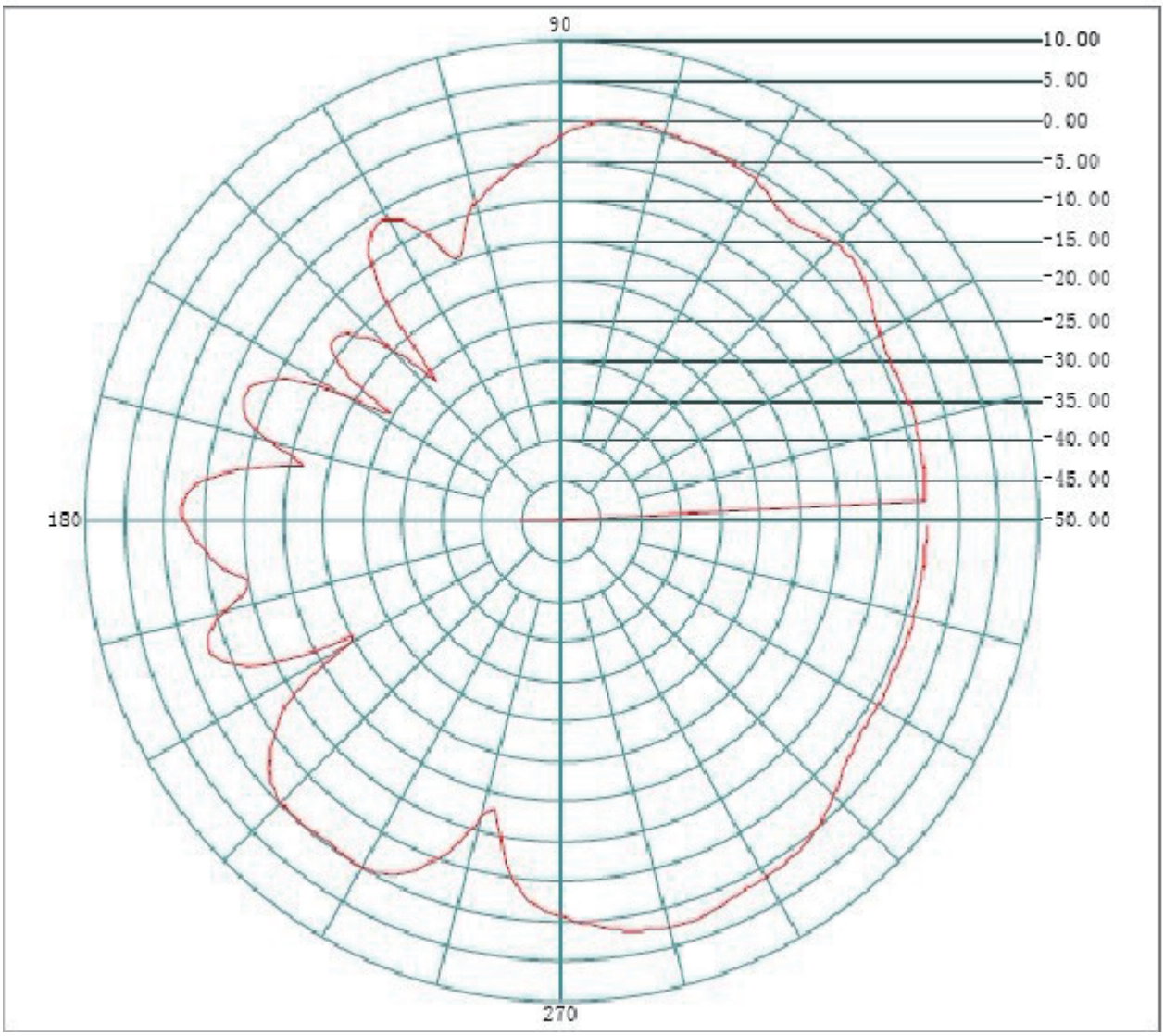
Antenna Photo & Length (mm)




| | |
|---|---|
| **Test Address** | **16 Tzu Chiang Road, Hsinchu Industrial District Hsinchu Hsien 303, Taiwan** |
| **Test Date** | **2009-04-14** |
| **Test Instrument** | **vector network analyzer - R&S ZVB20** |

## 1. Main antenna : 2402 MHz

### 1.1 Horizontal



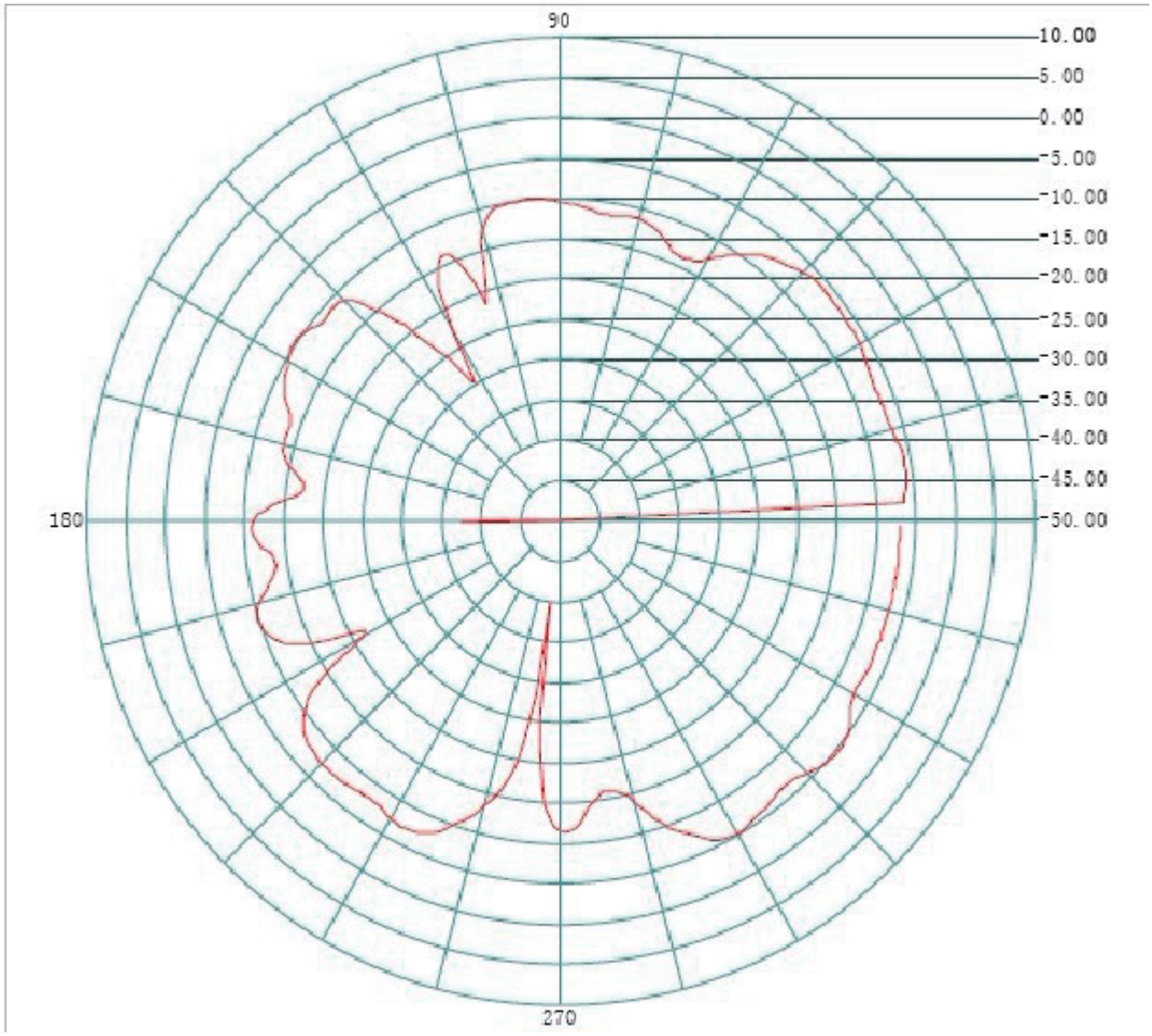

Frequency(MHZ): **2402** Antenna Polarity: **Horizontal**

Maximum Value(dBi): **2. 34**

Average Gain(dBi) : **-2.48**

Minimum Gain(dBi): **-55.18**

## 1.2 Vertical




Frequency(MHZ): **2402** Antenna Polarity: **Vertical**

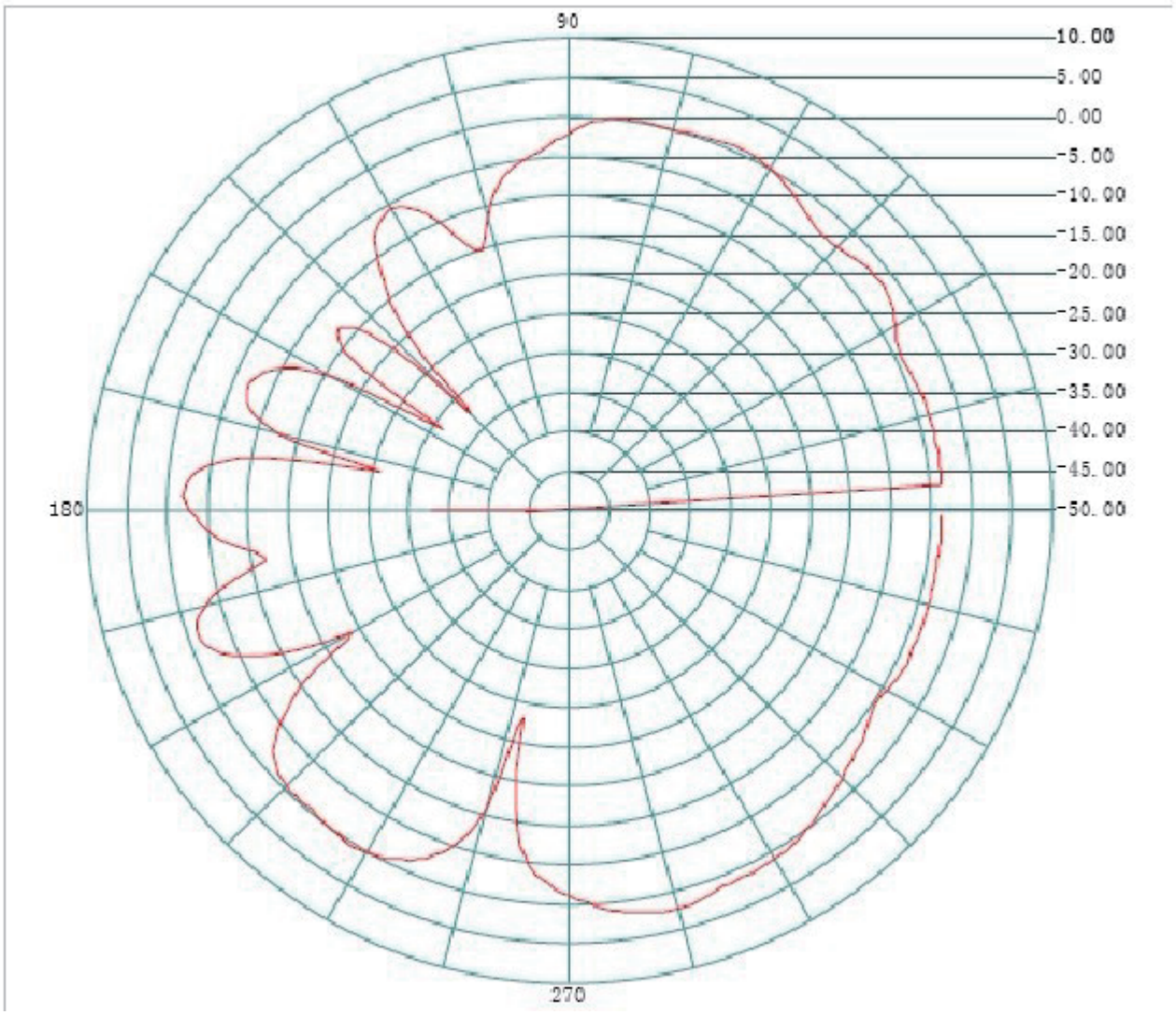
Maximum Value(dBi): **-4.51**

Average Gain(dBi) : **-8.98**

Minimum Gain(dBi): **-62.3**

## 2. Main antenna : 2441 MHz

### 2.1 Horizontal



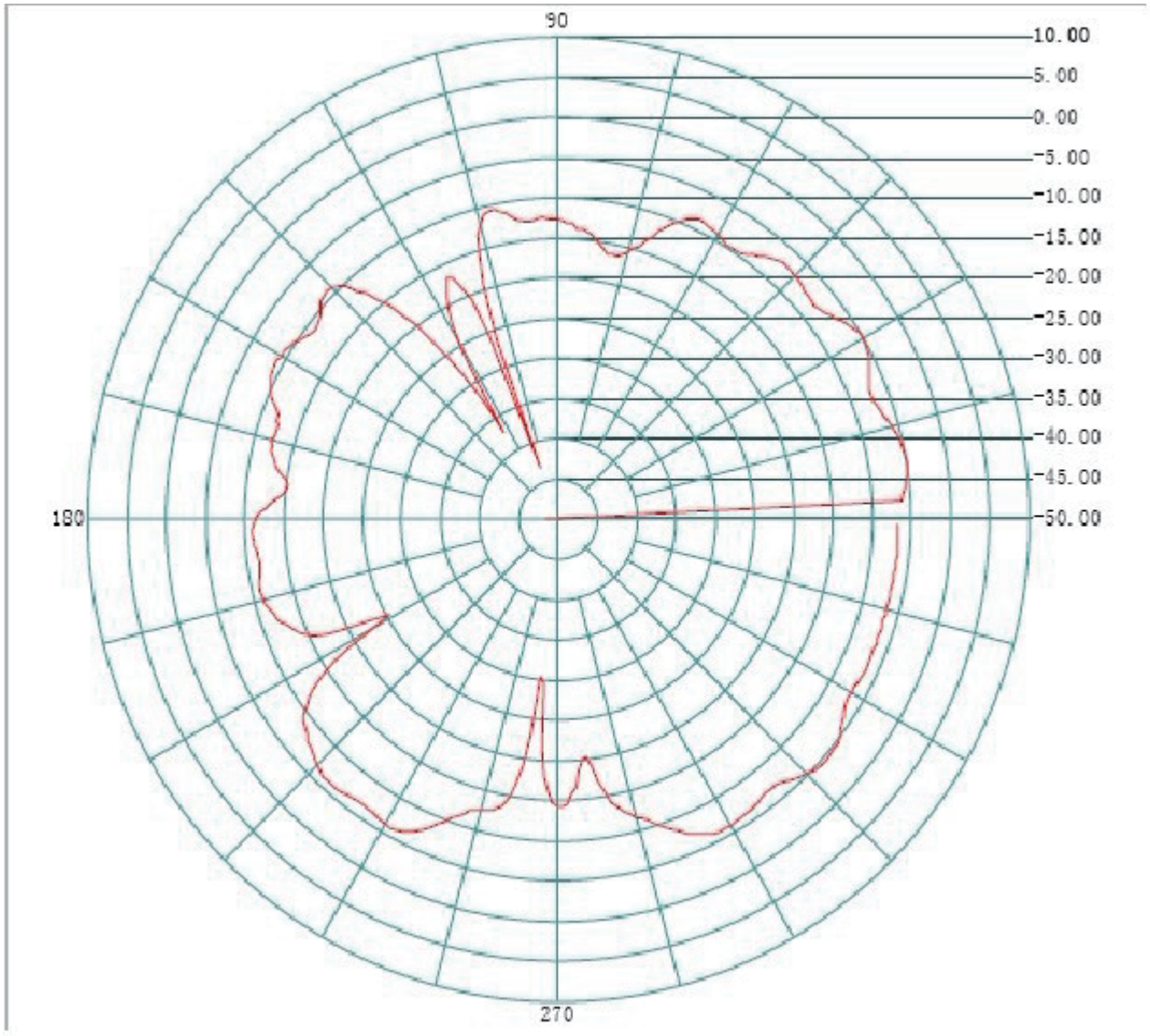

Frequency(MHZ): **2441** Antenna Polarity: **Horizontal**

Maximum Value(dBi): 2.07

Average Gain(dBi) : **-2.54**

Minimum Gain(dBi): **-66.98**

## 2.2 Vertical




Frequency(MHZ): **2441** Antenna Polarity: **Vertical**

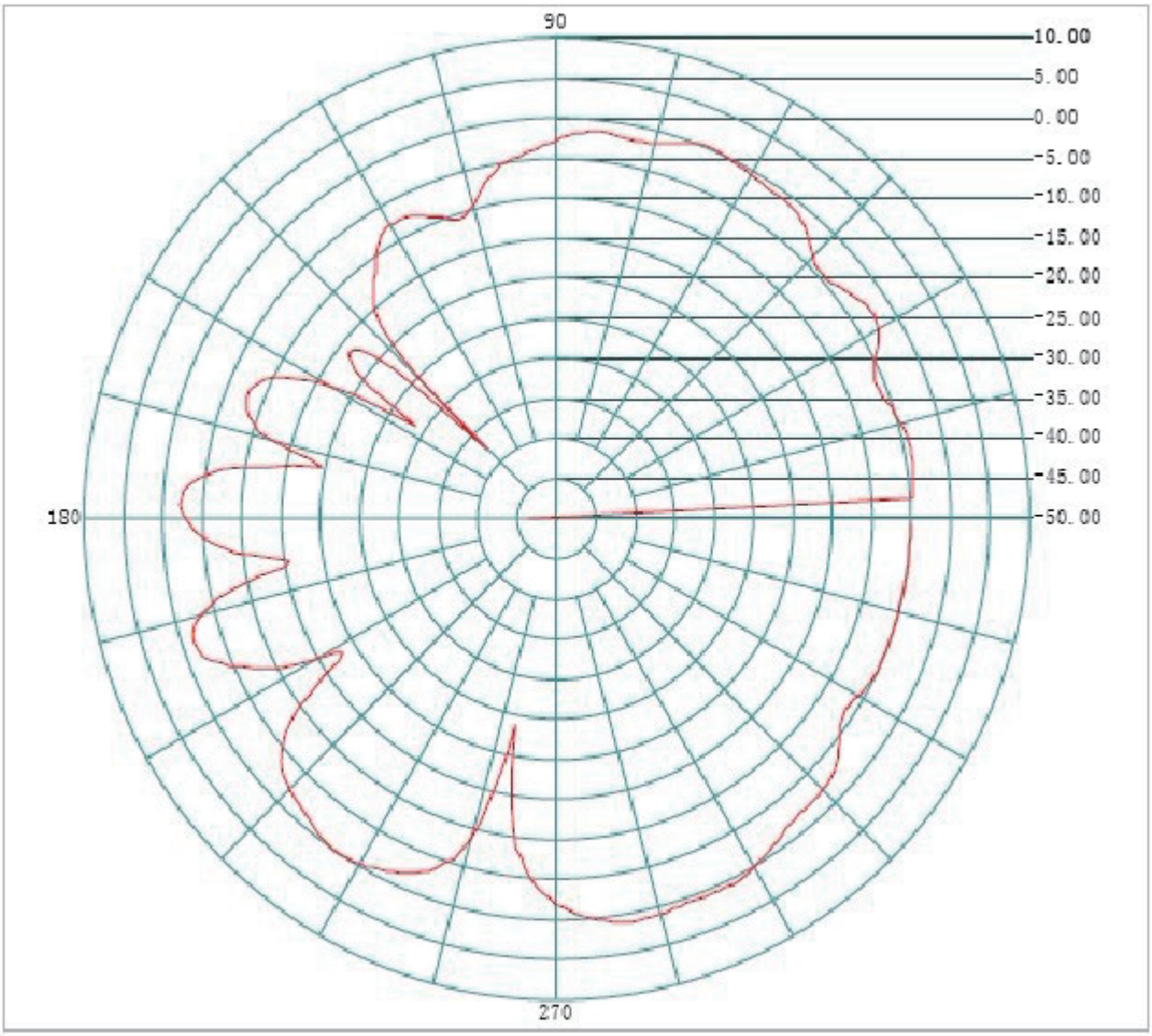
Maximum Value(dBi): **-4.29**

Average Gain(dBi) : **-8.81**

Minimum Gain(dBi): **-51.4**

## 2. Main antenna : 2480 MHz

### 2.1 Horizontal



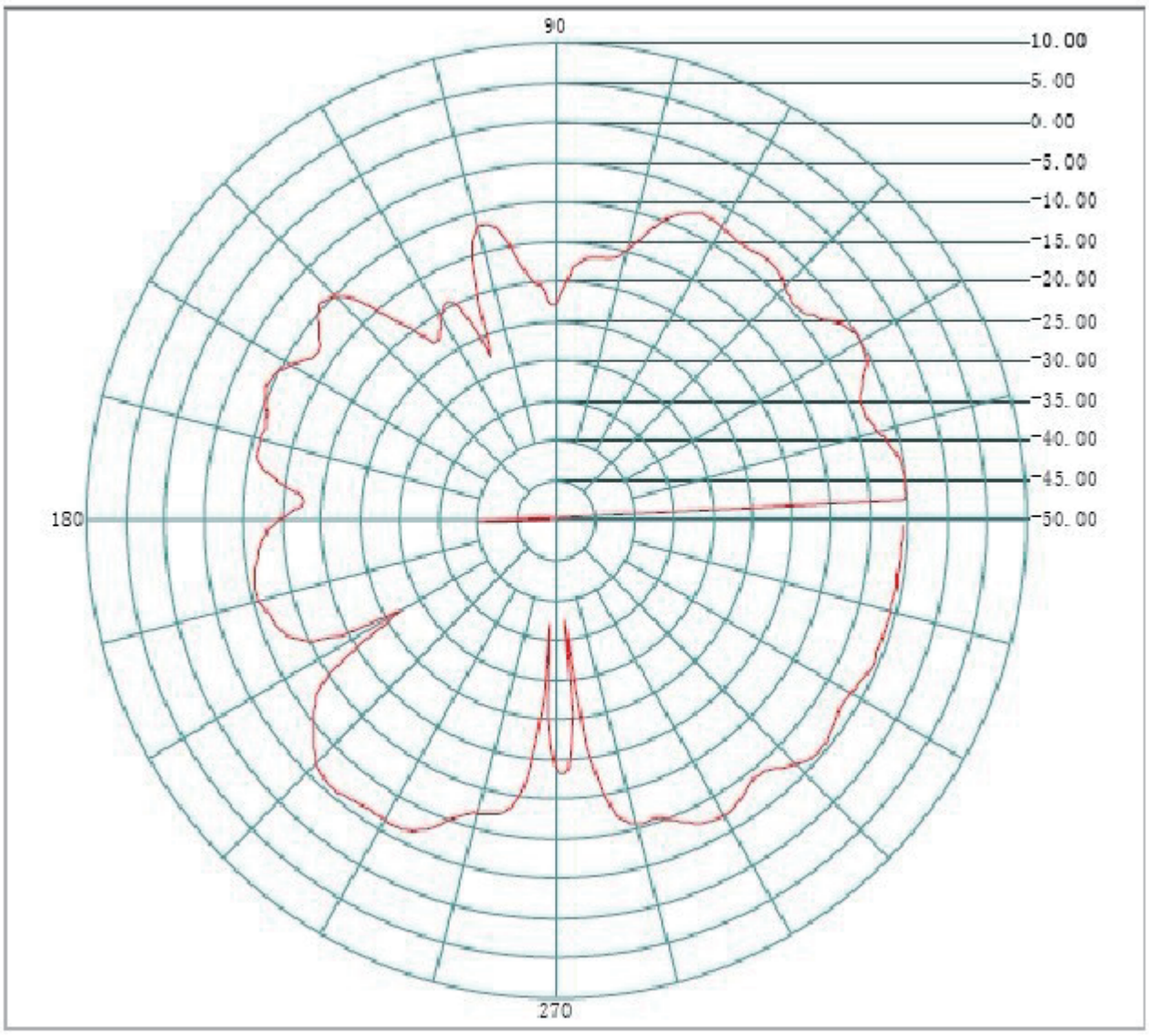

Frequency(MHZ): **2480** Antenna Polarity: **Horizontal**

Maximum Value(dBi): **1.45**

Average Gain(dBi) : **-3.34**

Minimum Gain(dBi): **-53.4**

## 2.2 Vertical




Frequency(MHZ): **2480** Antenna Polarity: **Vertical**

Maximum Value(dBi): **-4.95**

Average Gain(dBi) : **-9.06**

Minimum Gain(dBi): **-60.00**