

# APPROVAL SHEET

## 承认书

CUSTOMER 客户: 安帝爱(深圳)科技有限公司

DESCRIPTION 产品: 2.4G Copper tube antenna

PART NUMBER 规格: 2dBi IPEX Length=130MM

calibration	audit	make
shiqnghua	liangzhuning	dengjie

# RF Antenna Assembly

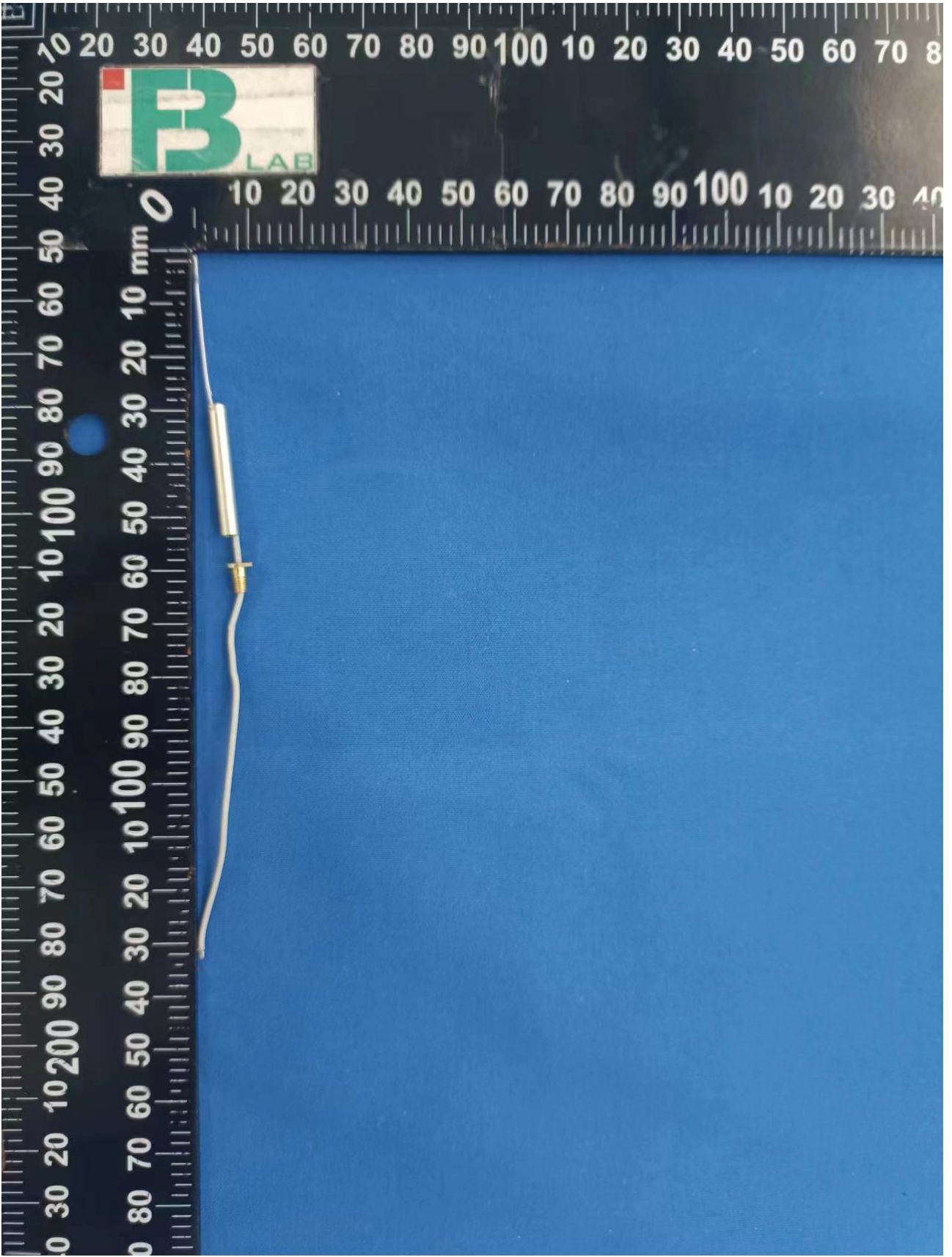
## Specification

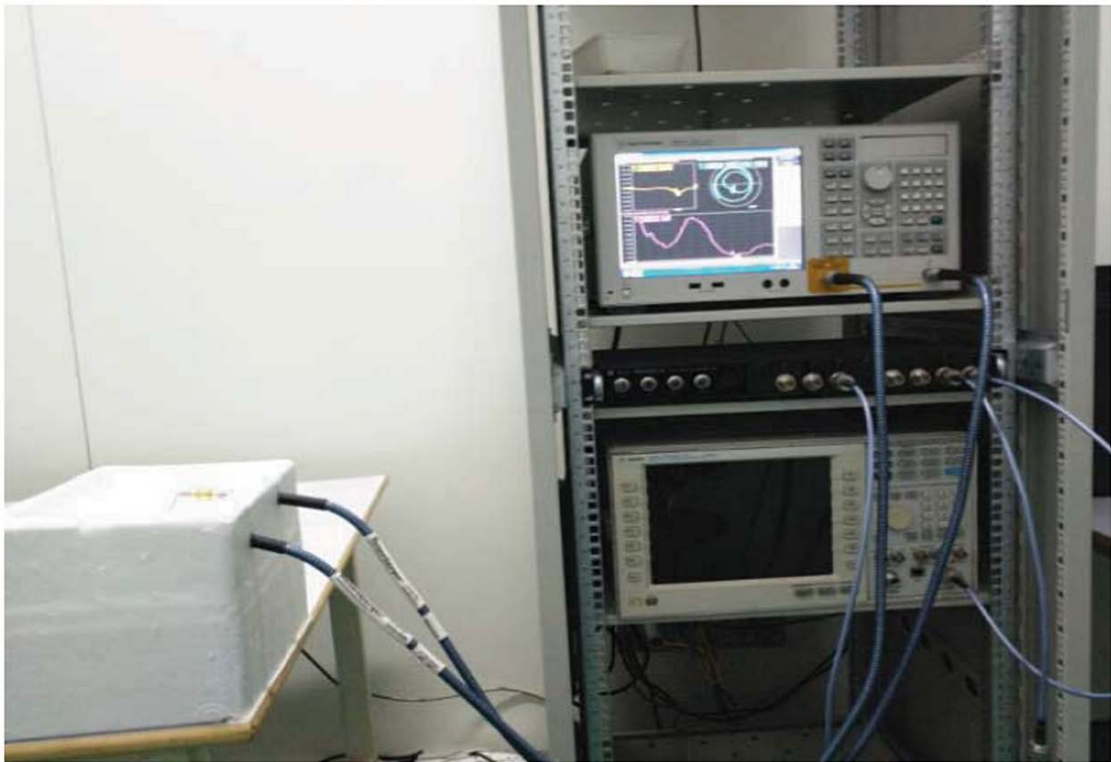
### 1. Electrical Properties :

- 1.1 Frequency Range..... 2.4GHz ~ 2.5GHz
- 1.2 Impedance ..... 50Ω Nominal
- 1.3 VSWR ..... 1.92 : 1 Max.
- 1.4 Return Loss..... -10 dB Max.
- 1.5 Radiation ..... Omni-directional
- 1.6 Gain(peak)..... 2.0 dBi
- 1.7 Cable Loss..... 1.0dB Max.
- 1.8 Polarization..... Linear, Vertical
- 1.9 Admitted Power..... 1W
- 1.10 Cable..... Coaxial Cable

### 2. Physical Properties :

- 2.3 Tube..... Brass, Ni Plated
- 2.4 Operating Temp. .... -10°C ~ +60°C
- 2.5 Storage Temp. .... -10°C ~ +70°C
- 2.6 Color ..... Black







# 1. 2400 MHz

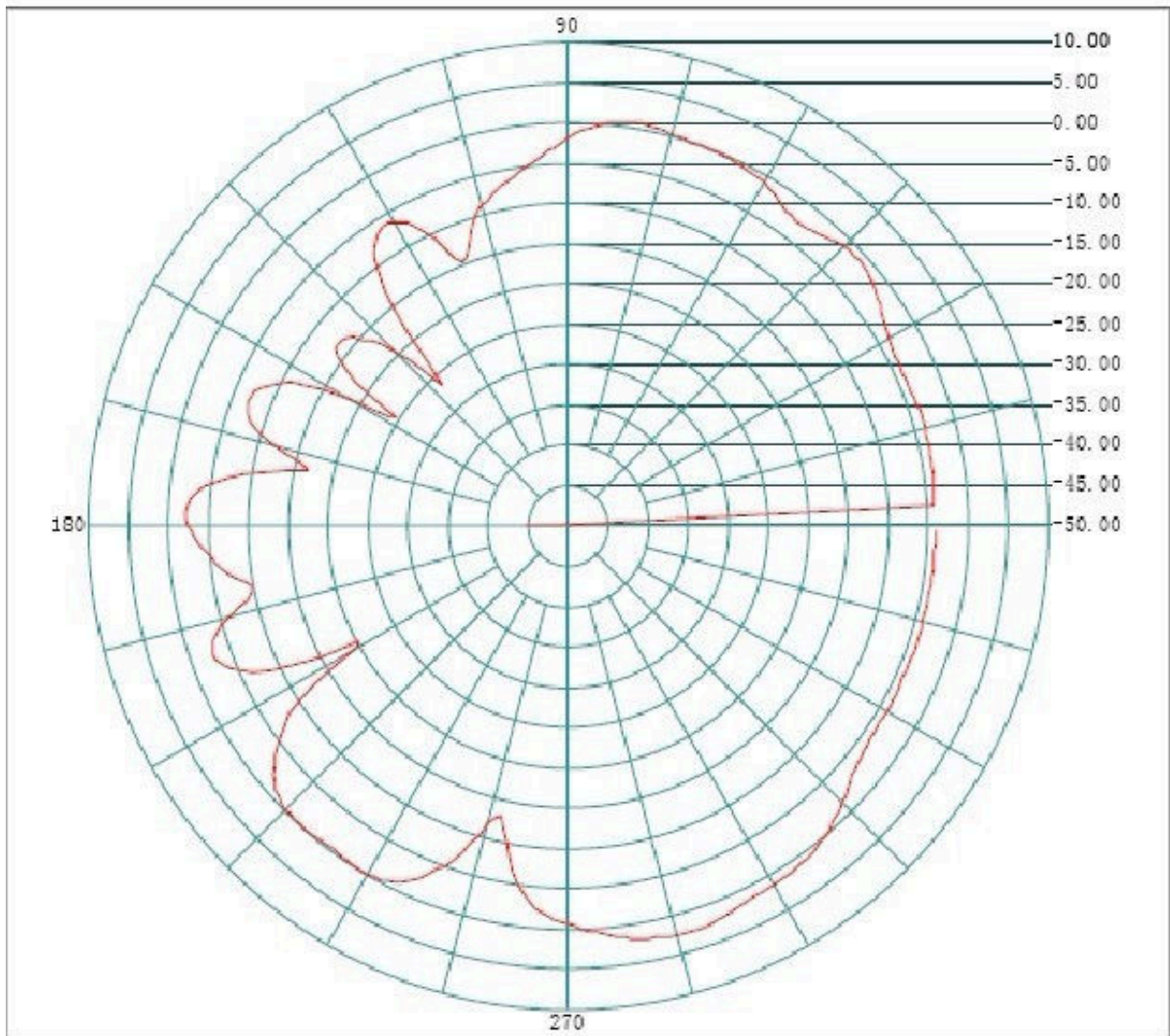
## 1.1 Horizontal

Frequency(MHZ): 2400

Antenna Polarity: Horizontal

Maximum Value(dBi): 2.00

Average Gain(dBi) : -2.48



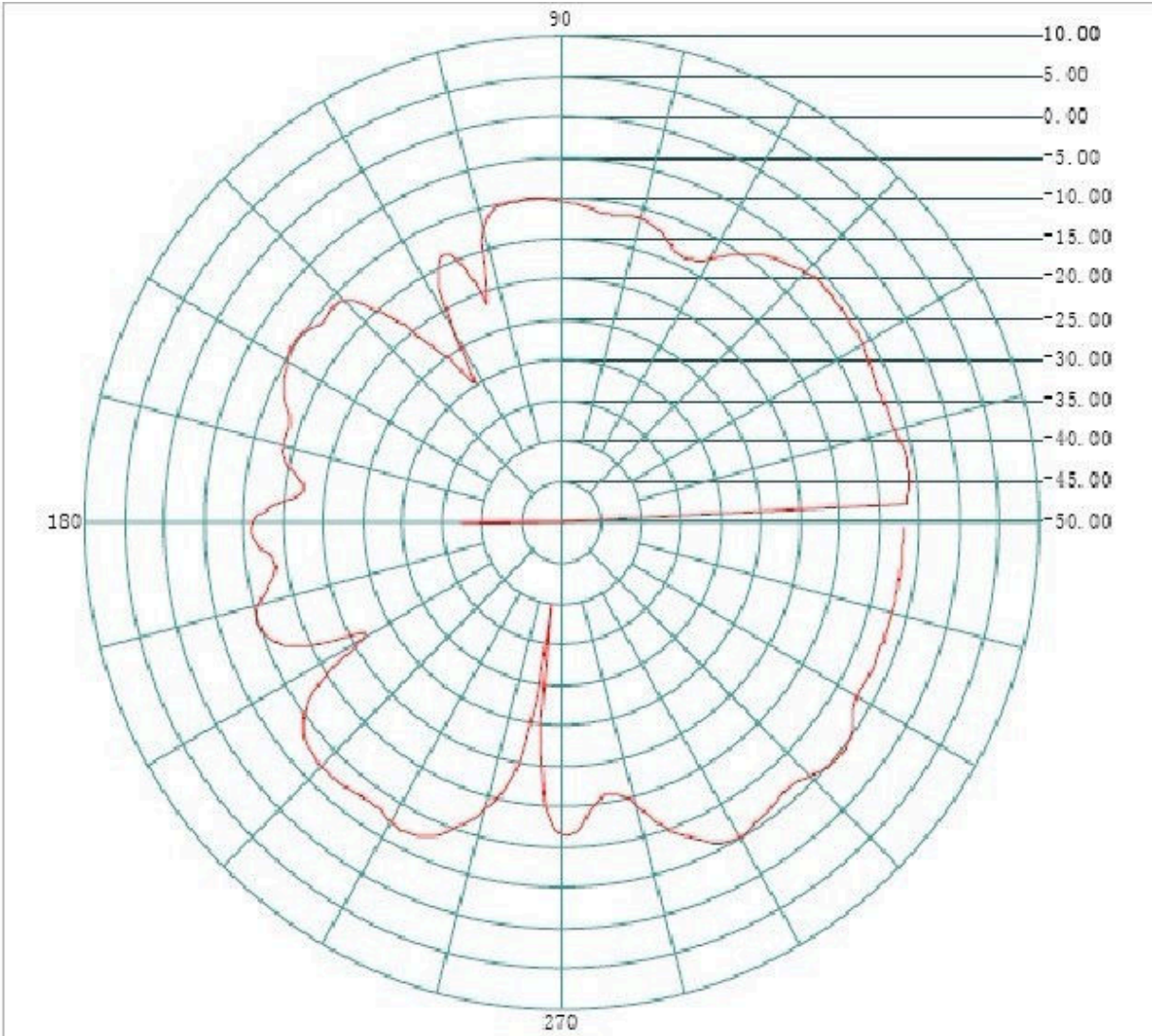
### 1.2 Vertical

Frequency(MHZ): 2400

Antenna Polarity: Vertical

Maximum Value(dBi): -4.41

Average Gain(dBi) : -8.90



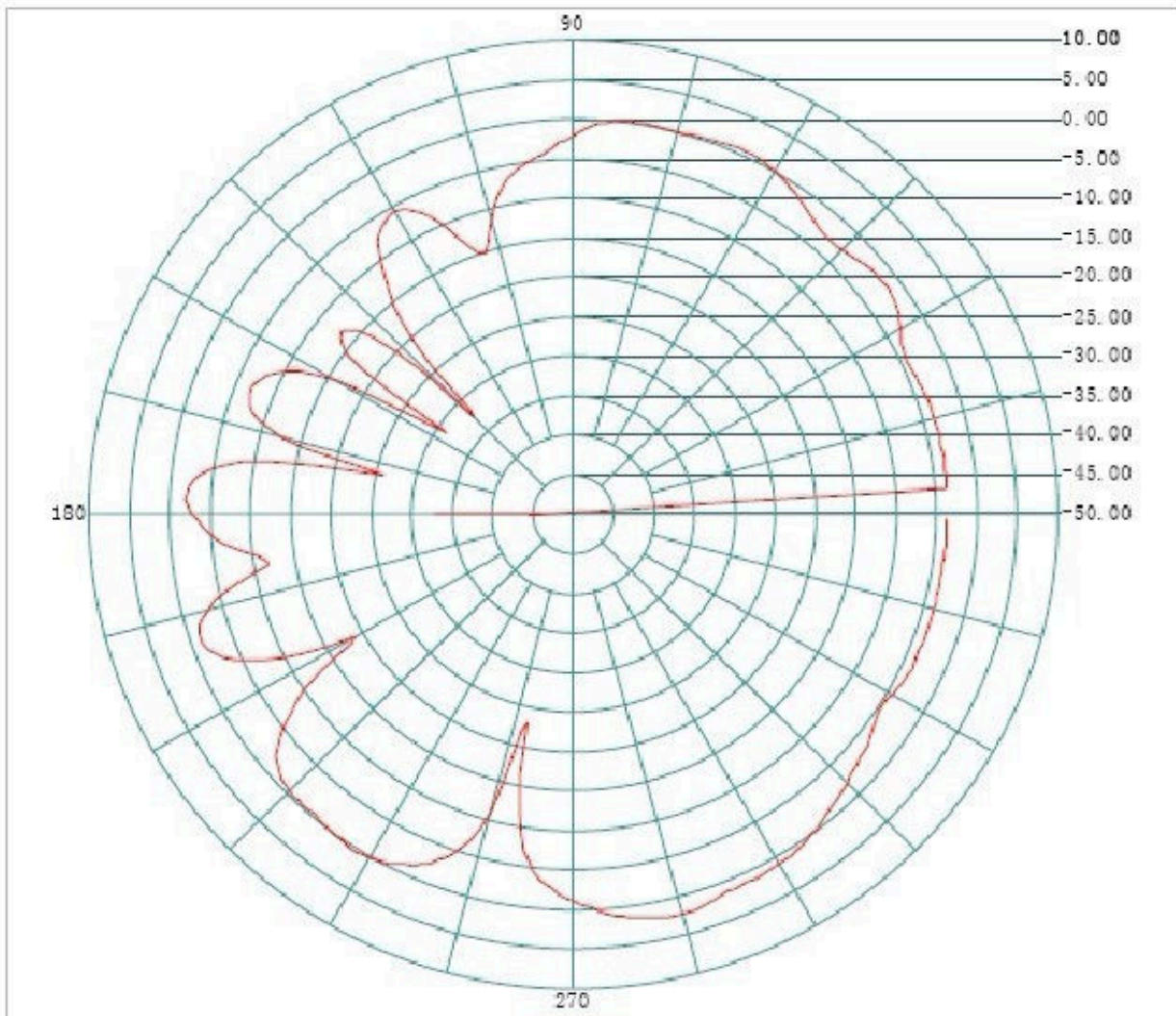
## 2. 2440 MHz

### 2.1 Horizontal

Frequency(MHZ): 2440      Antenna Polarity: Horizontal

Maximum Value(dBi): 1.99

Average Gain(dBi) : -2.54



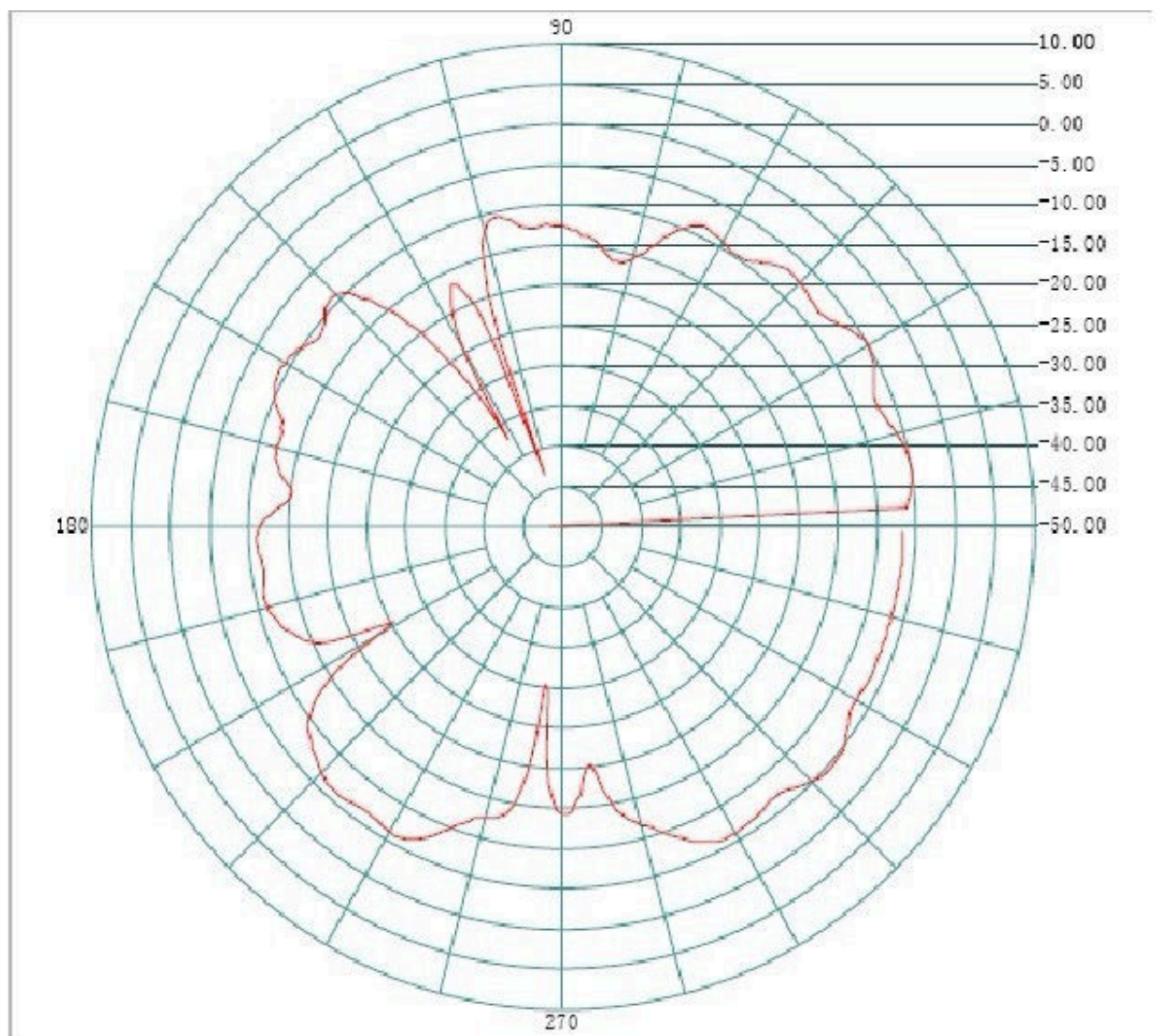


## 2.2 Vertical

Frequency(MHZ): 2440      Antenna Polarity: Vertical

Maximum Value(dBi) -4.29

Average Gain(dBi) : -8.81





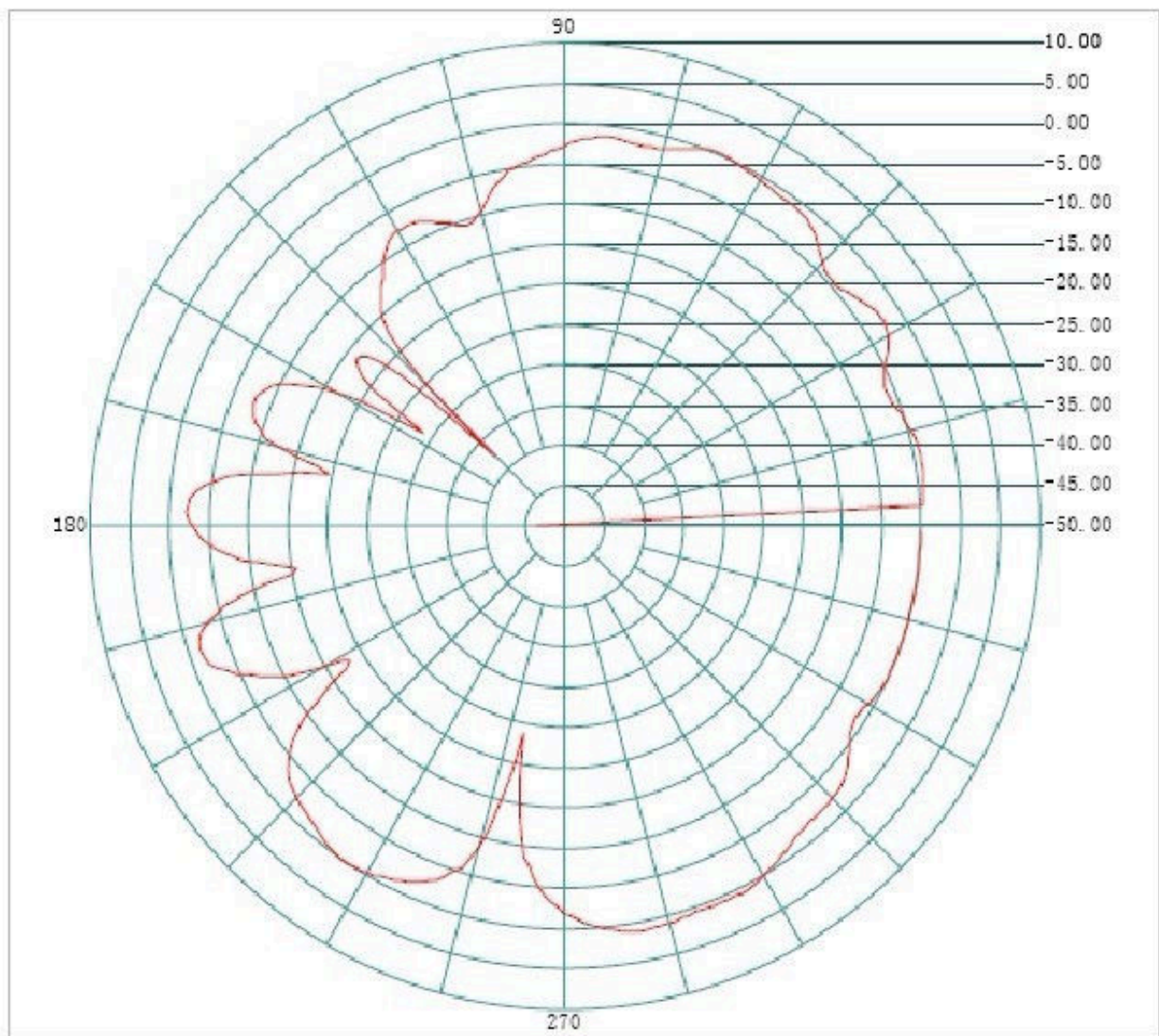
### 3. 2480 MHz

#### 3.1 Horizontal

Frequency(MHZ): 2480      Antenna Polarity: Horizontal

Maximum Value(dBi): 1.45

Average Gain(dBi) : -3.35



### 3.2 Vertical

Frequency(MHZ): 2480

Antenna Polarity: Vertical

Maximum Value(dBi):

-4.91

Average Gain(dBi) :

-9.03

