

# Antenna Specification

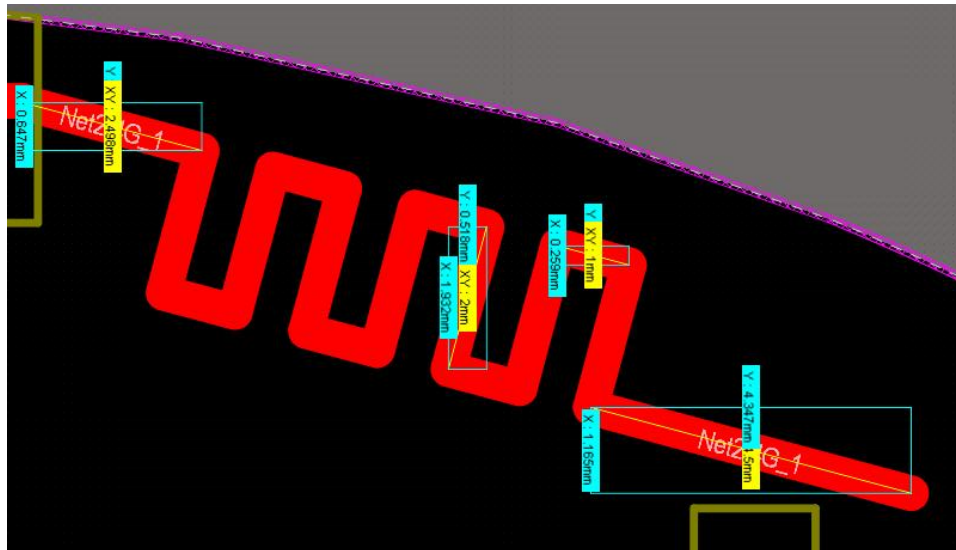
## Specifications

### Summary

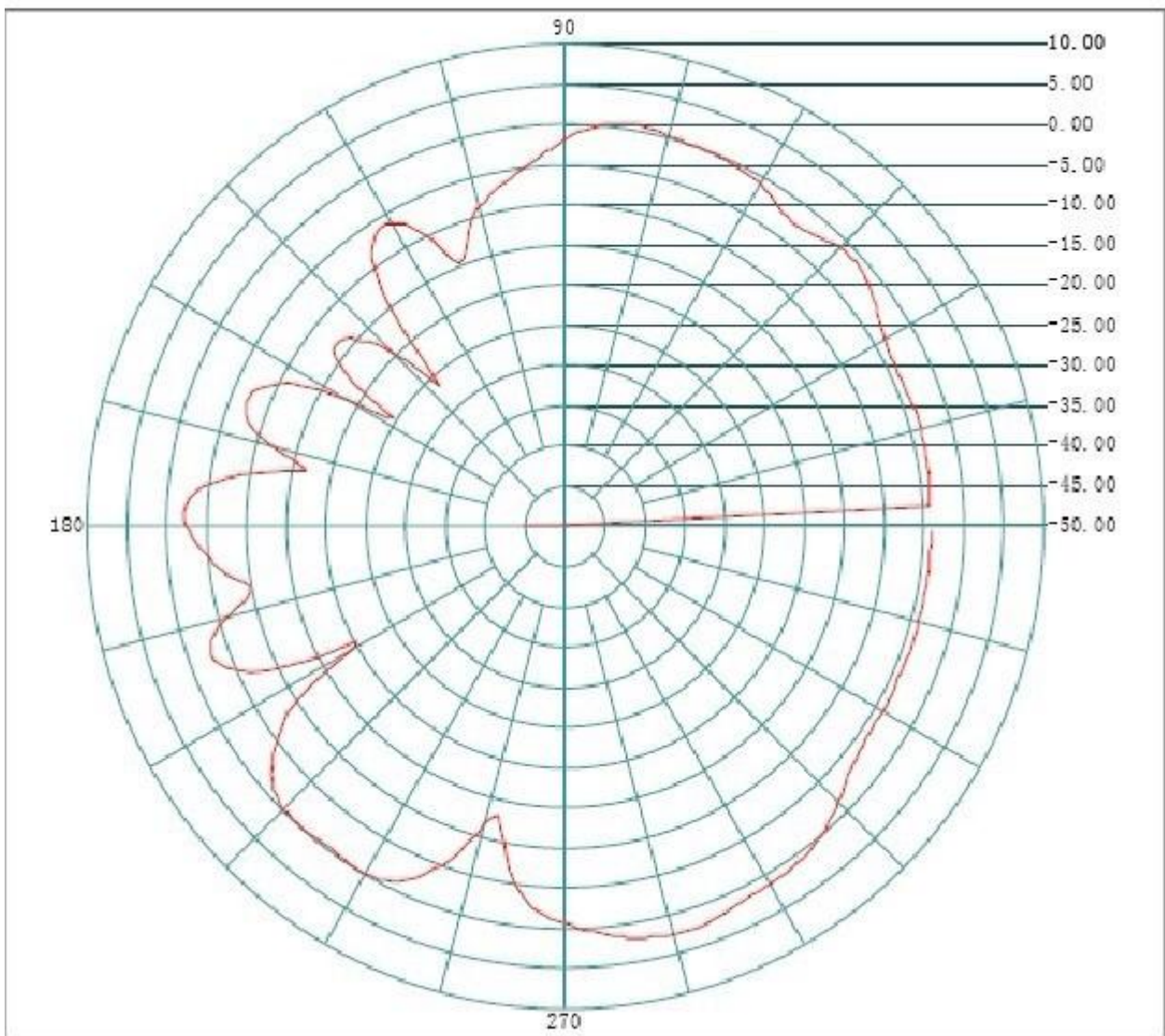
Antenna type: PCB Antenna

ITEM	SPEC.	
Model Name	IBM 2.4 GHz	
Center Frequency	2402 MHz	-1.9 dBi
	2441 MHz	-1.2 dBi
	2480 MHz	-1.5 dBi
MAX. GAIN	-1.2 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 $\Omega$	
Antenna Length	2.7 cm	

Antenna Photo & Length ( mm )



Manufacturer: Shenzhen Hangshi Electronic Technology Co.,Ltd



## 1. Main antenna : 2402 MHz

### 1.1 Horizontal

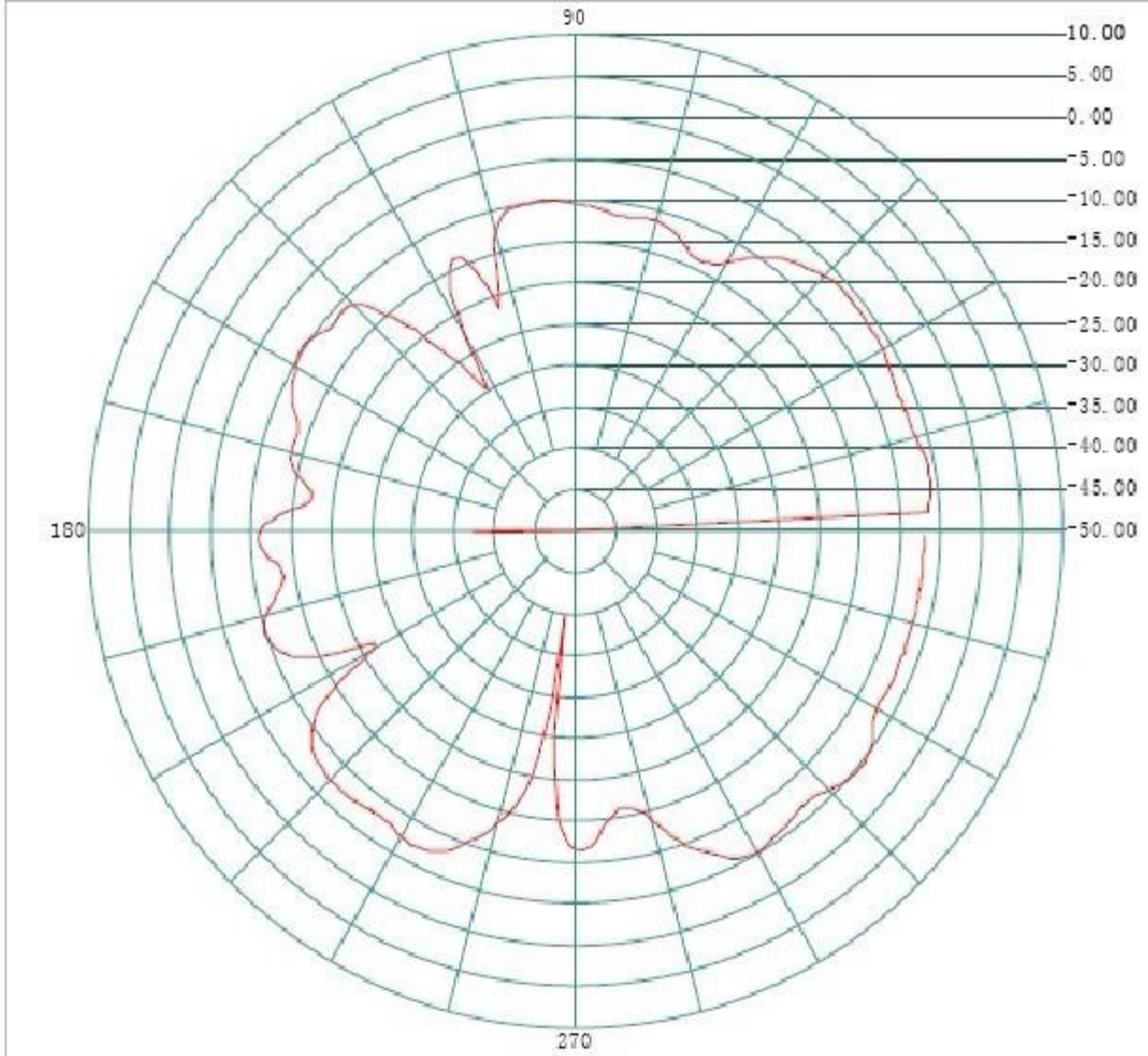
Frequency(MHZ): **2402** Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-1.9**

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

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

### 1.2 Vertical



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

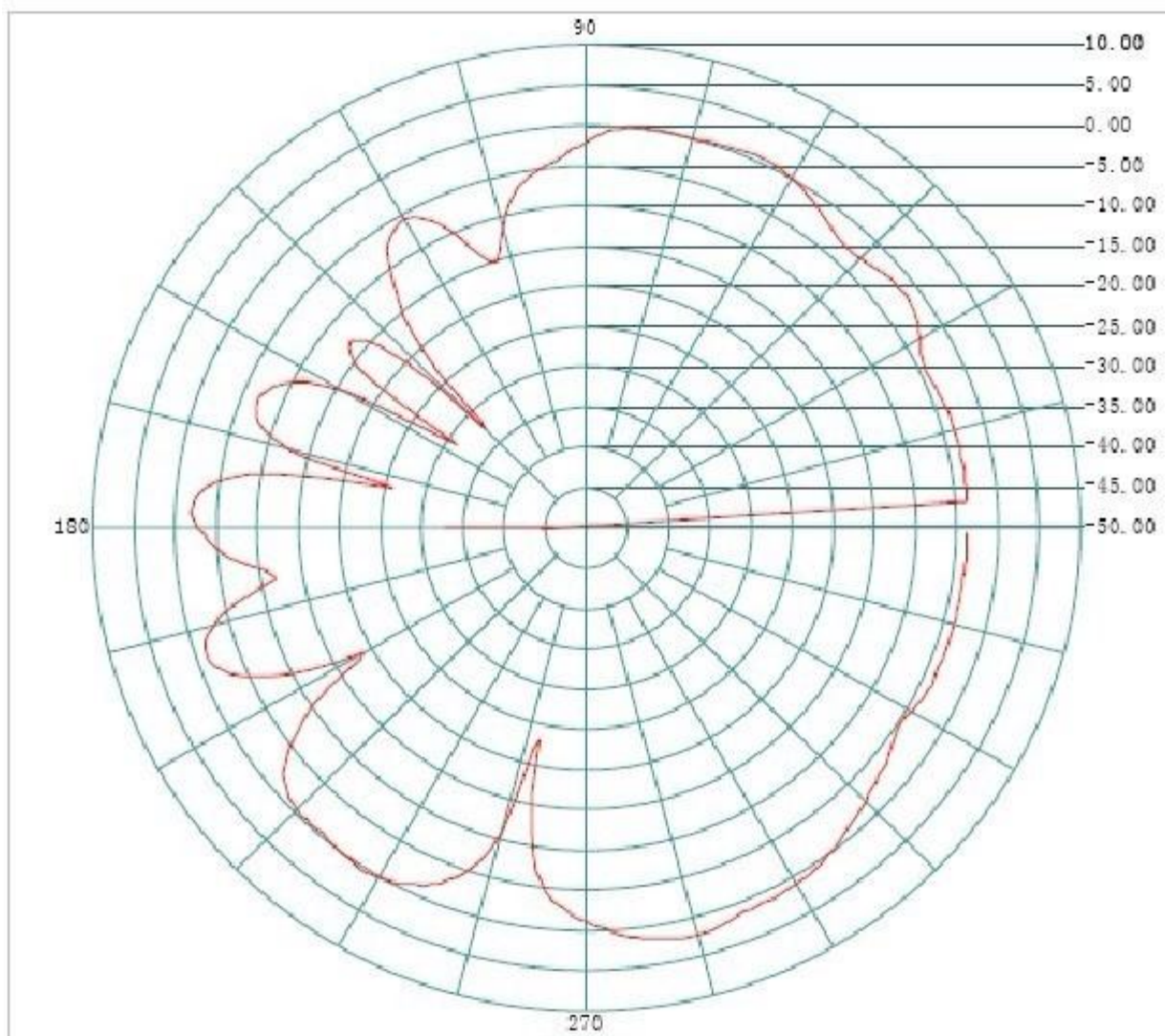
Maximum Value(dBi): **-4.51**

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

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

**2. Main antenna : 2441 MHz**

**2.1 Horizontal**



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

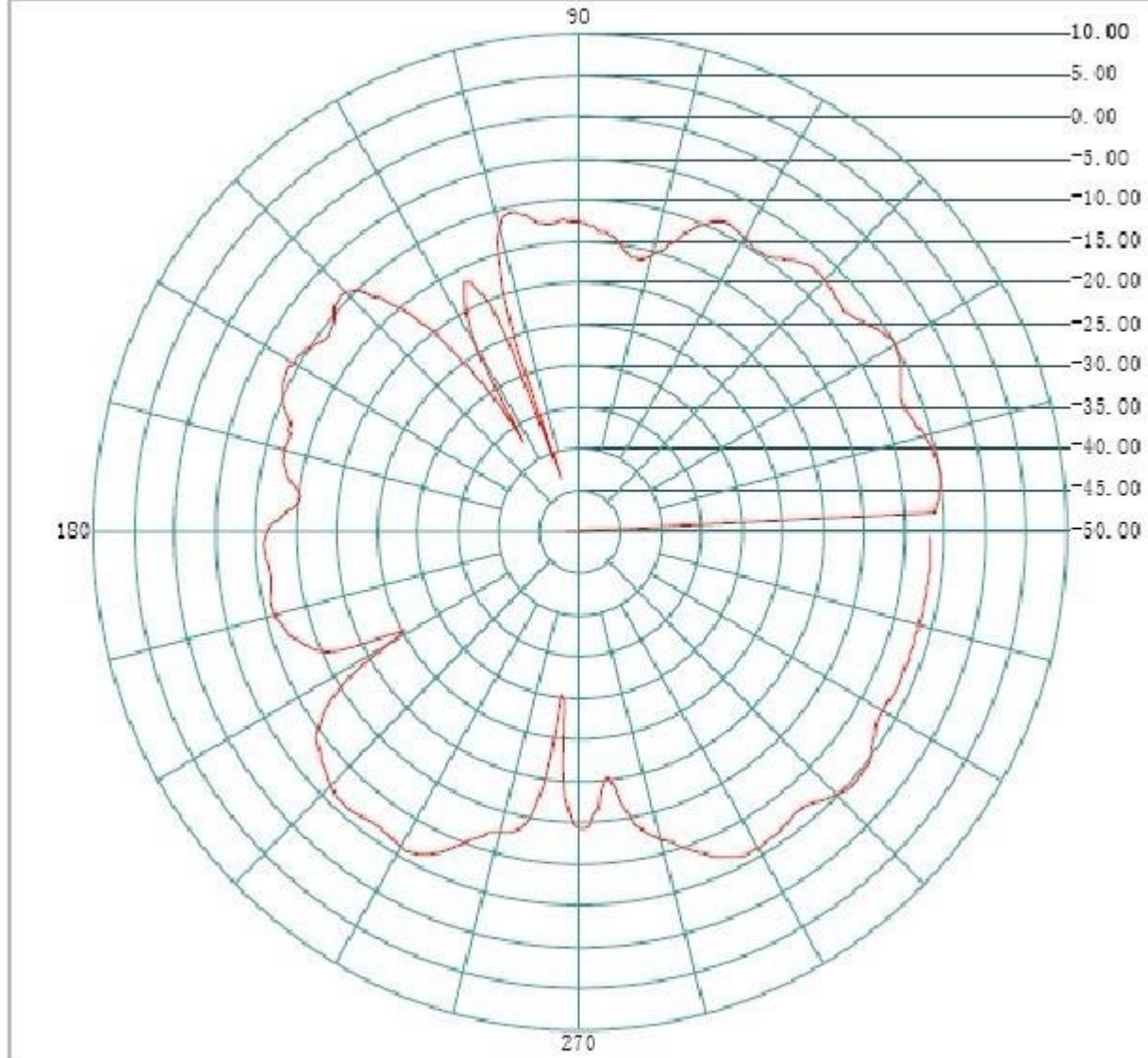
Maximum Value(dBi): -1.2

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

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

**2.2 Vertical**





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

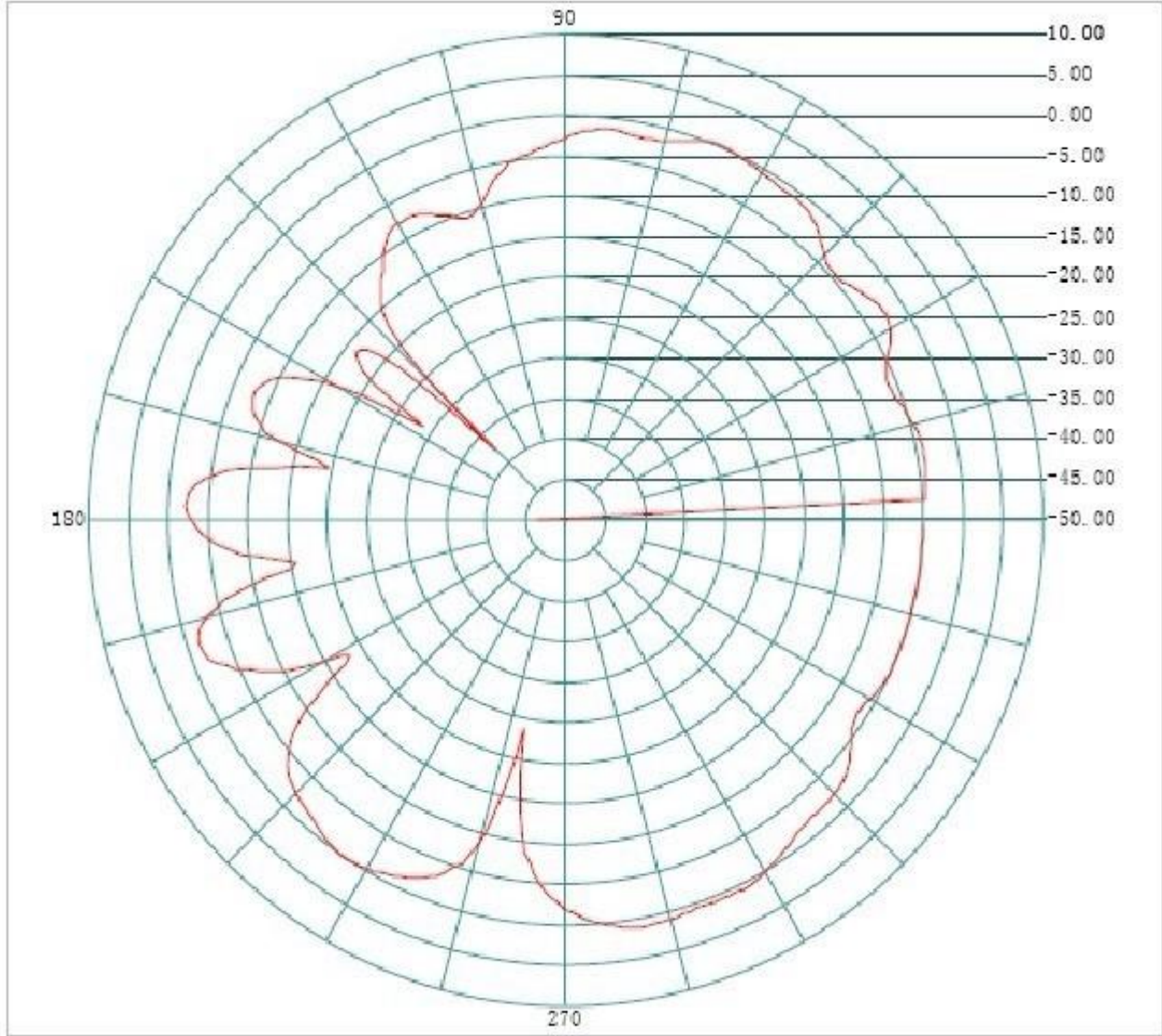
Maximum Value(dBi): **-4.29**

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

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

**2. Main antenna : 2480 MHz**

**2.1 Horizontal**



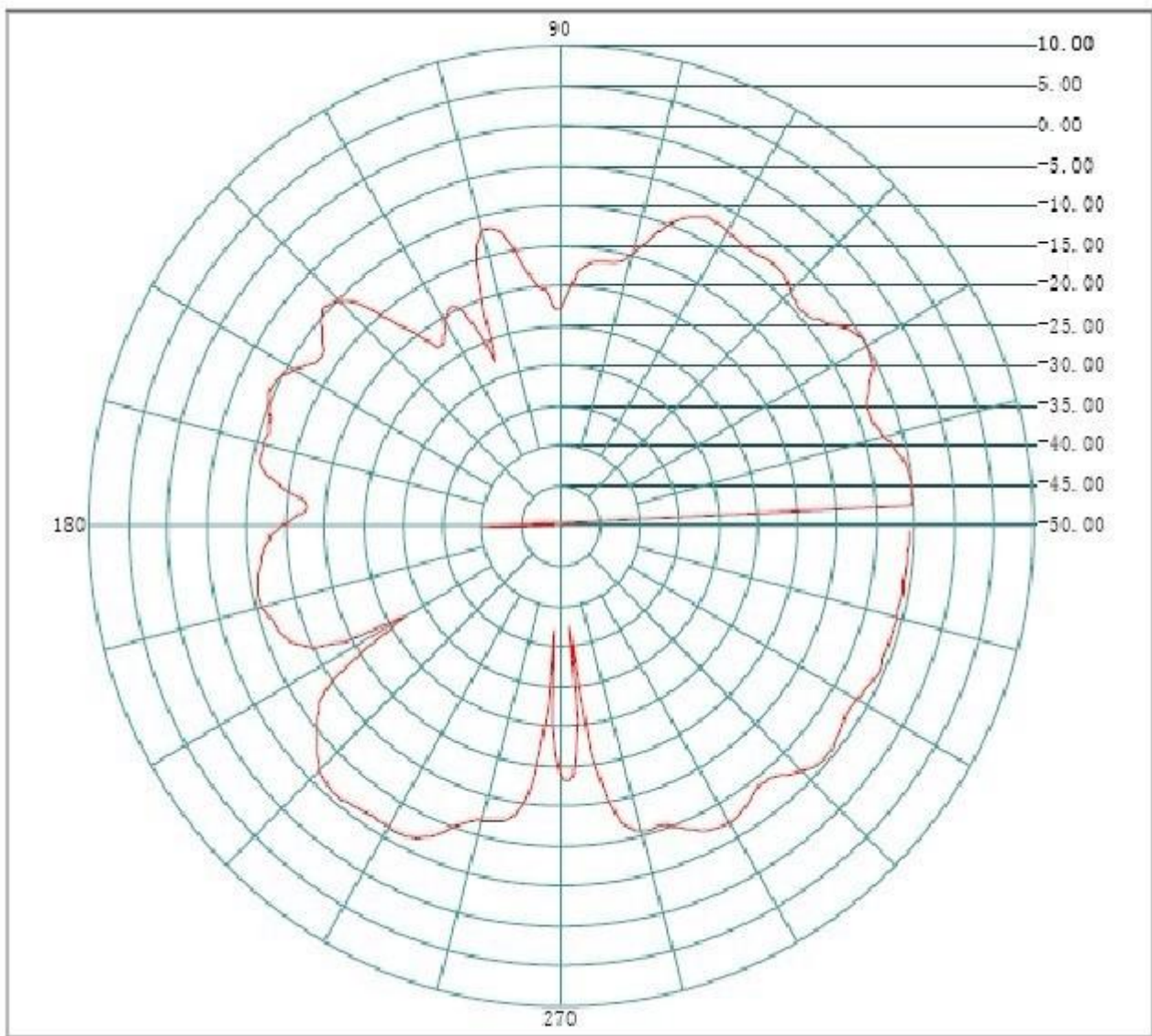
Frequency(MHZ): **2480** Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-1.5**

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**