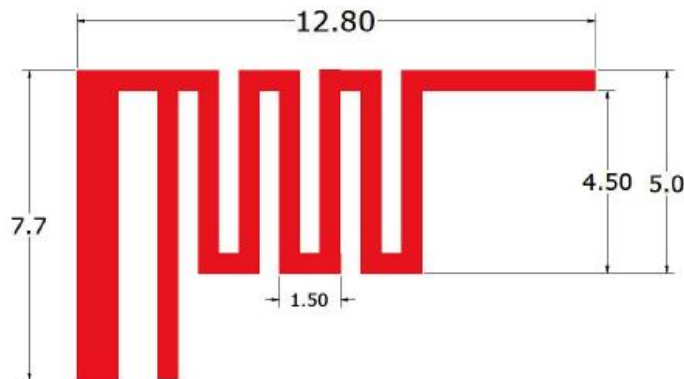


# Antenna Specification

## Specifications Summary

ITEM	SPEC.	
Model Name	IBM 2.4 GHz	
Center Frequency	2402 MHz	1.77dBi
	2440 MHz	2.07dBi
	2480 MHz	1.45 dBi
MAX. GAIN	2.07dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 $\Omega$	
Antenna Length	36.0 mm	

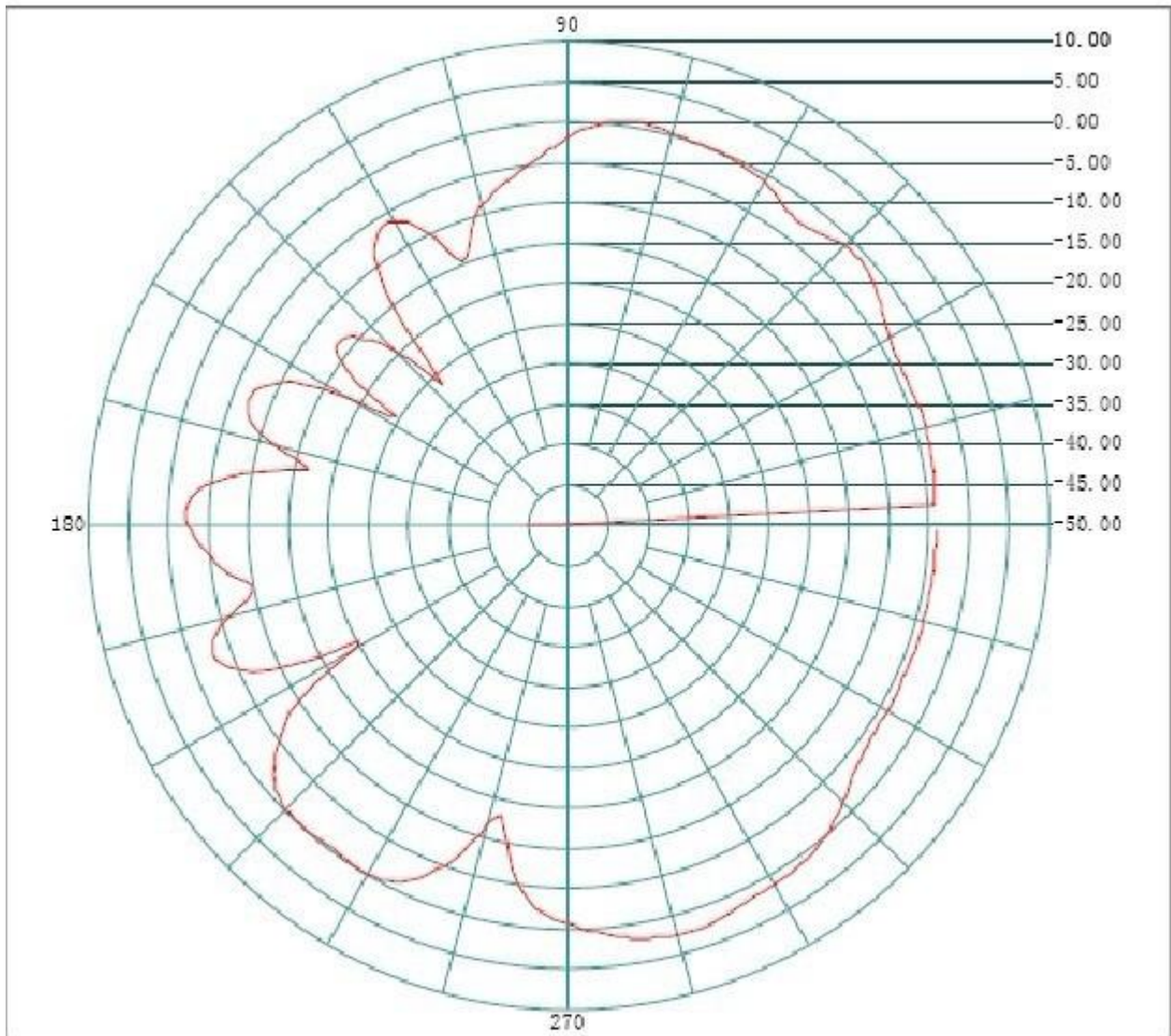
Antenna Photo & Length (mm)



<b>Address</b>	10 e memorial road Office ,oklahoma city,Oklahoma,United States
<b>company</b>	Jasco Products Company LLC
<b>Test Instrument</b>	<b>vector network analyzer - R&amp;S ZVB20</b>

# 1. Main antenna : 2402 MHz

## 1.1 Horizontal



Frequency(MHZ): **2402**

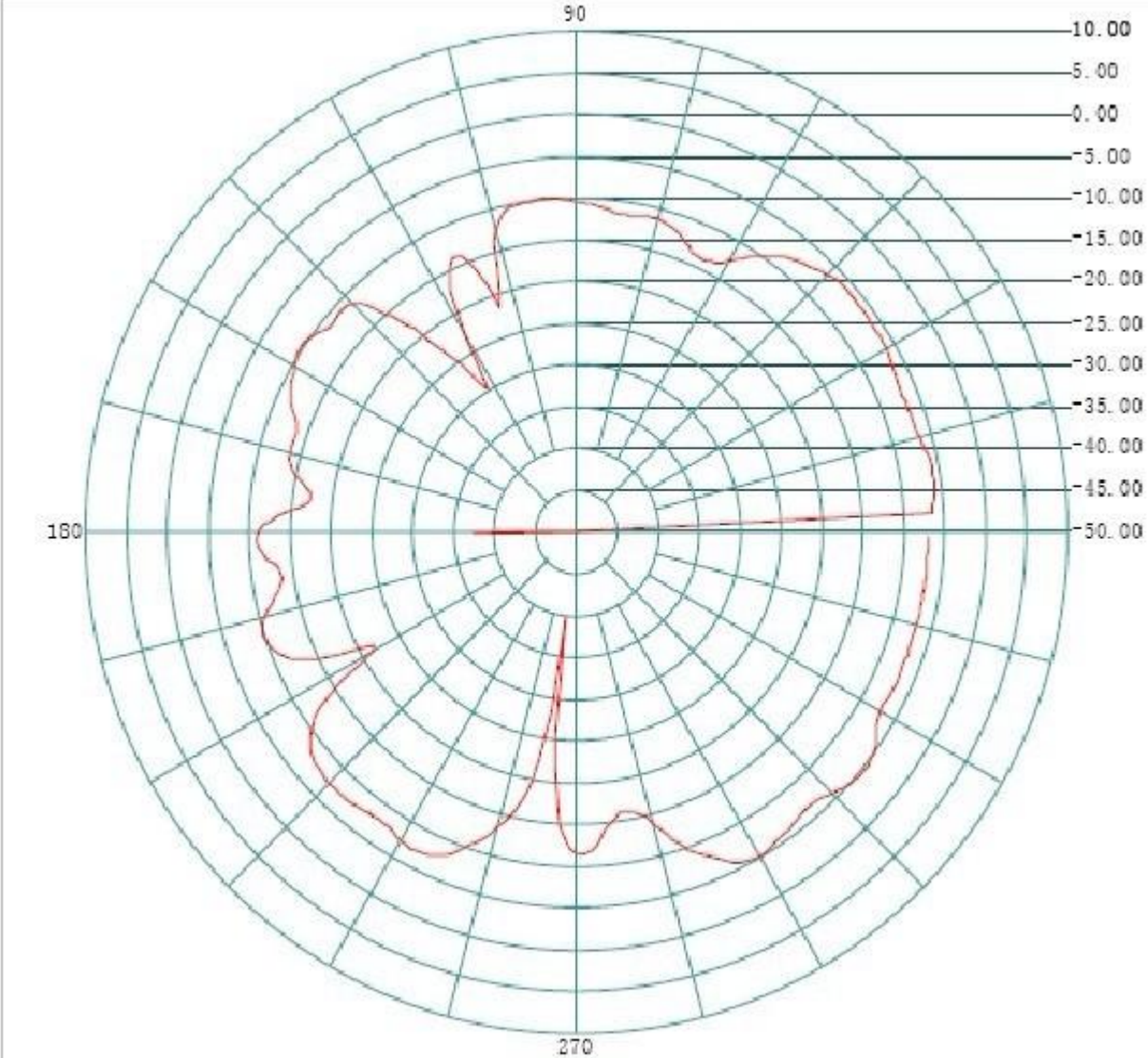
Antenna Polarity: **Horizontal**

Maximum Gain(dBi): **1.77**

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

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

**1.2 Vertical**



Frequency(MHZ): **2402**

Antenna Polarity: **Vertical**

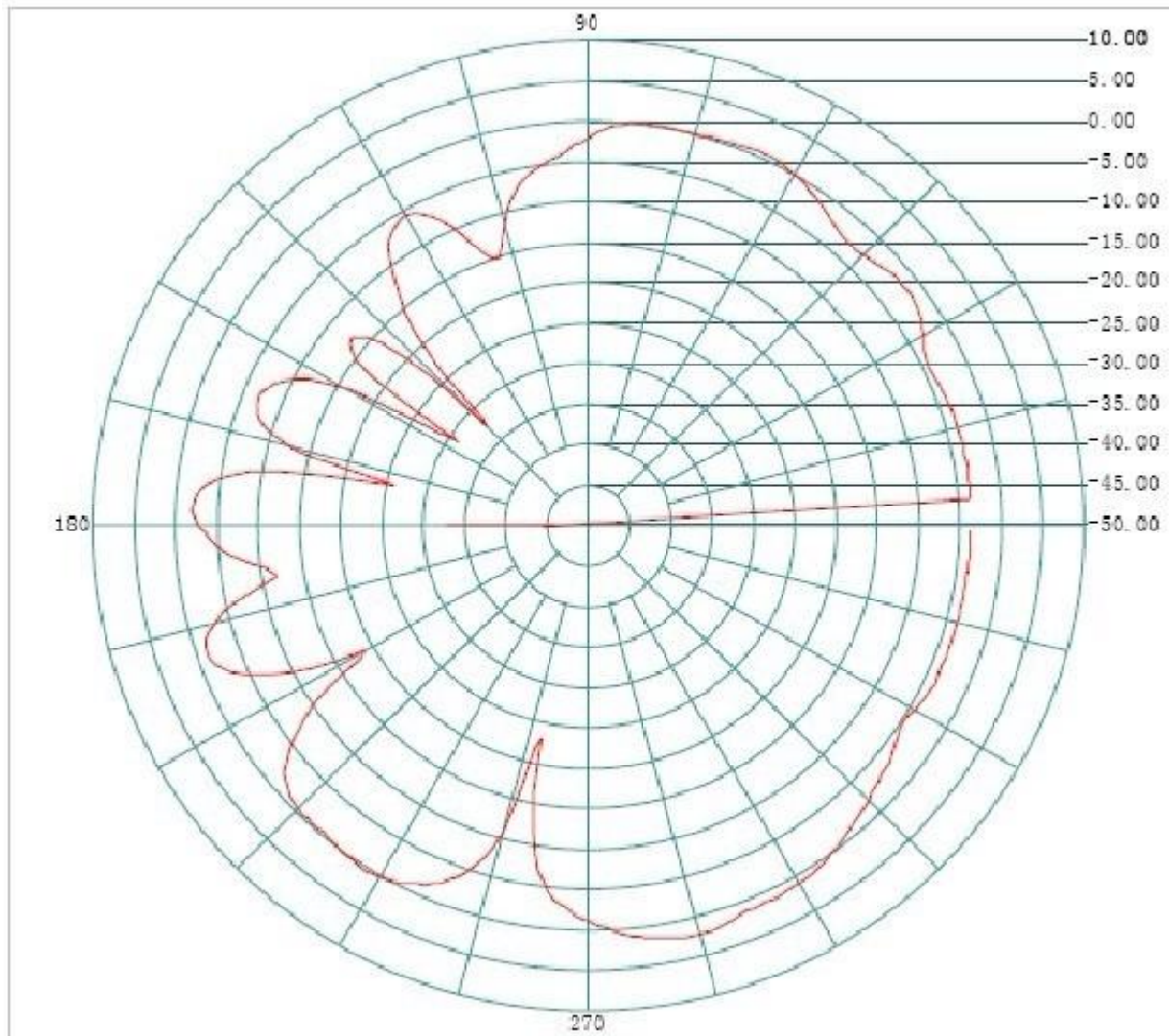
Maximum Gain(dBi):----**4.51**

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

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

## 2. Main antenna : 2440 MHz

### 2.1 Horizontal



Frequency(MHZ): **2440**

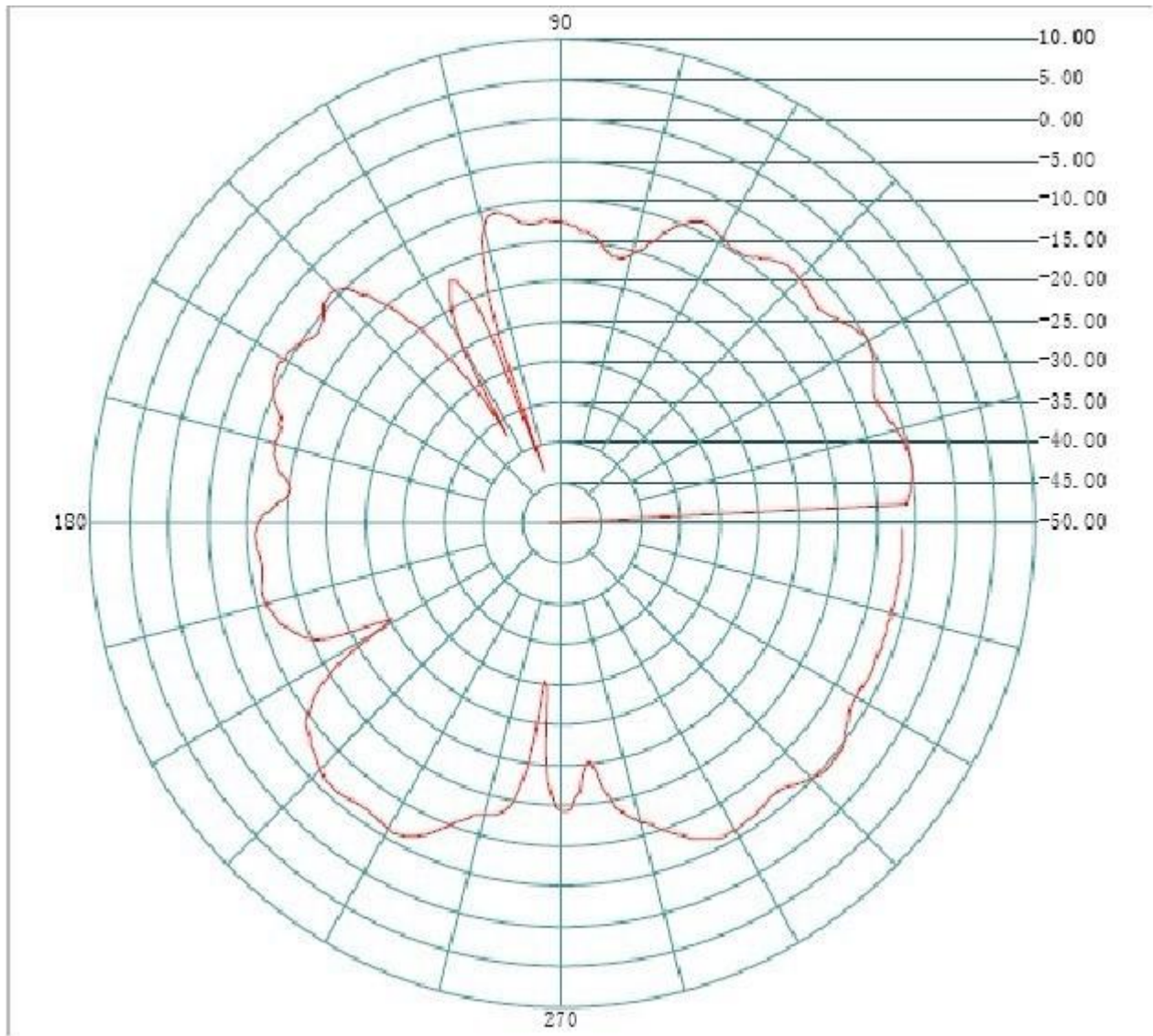
Antenna Polarity: **Horizontal**

Maximum Gain(dBi): **2.07**

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

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

## 2.2 Vertical



Frequency(MHZ): **2440**

Antenna Polarity: **Vertical**

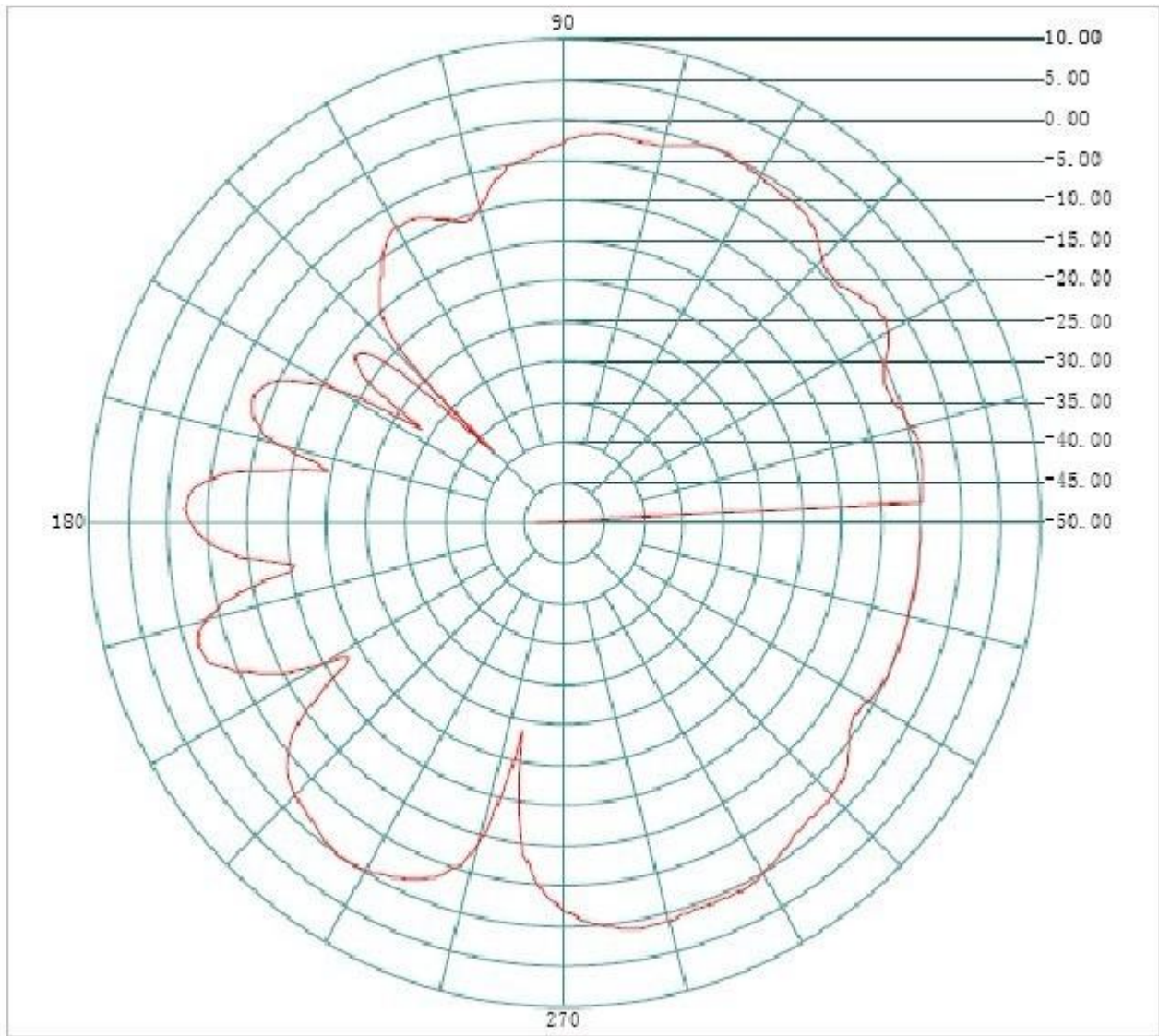
Maximum Gain(dBi): **-4.29**

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

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

## 2. Main antenna : 2480 MHz

### 2.1 Horizontal



Frequency(MHZ): **2480**

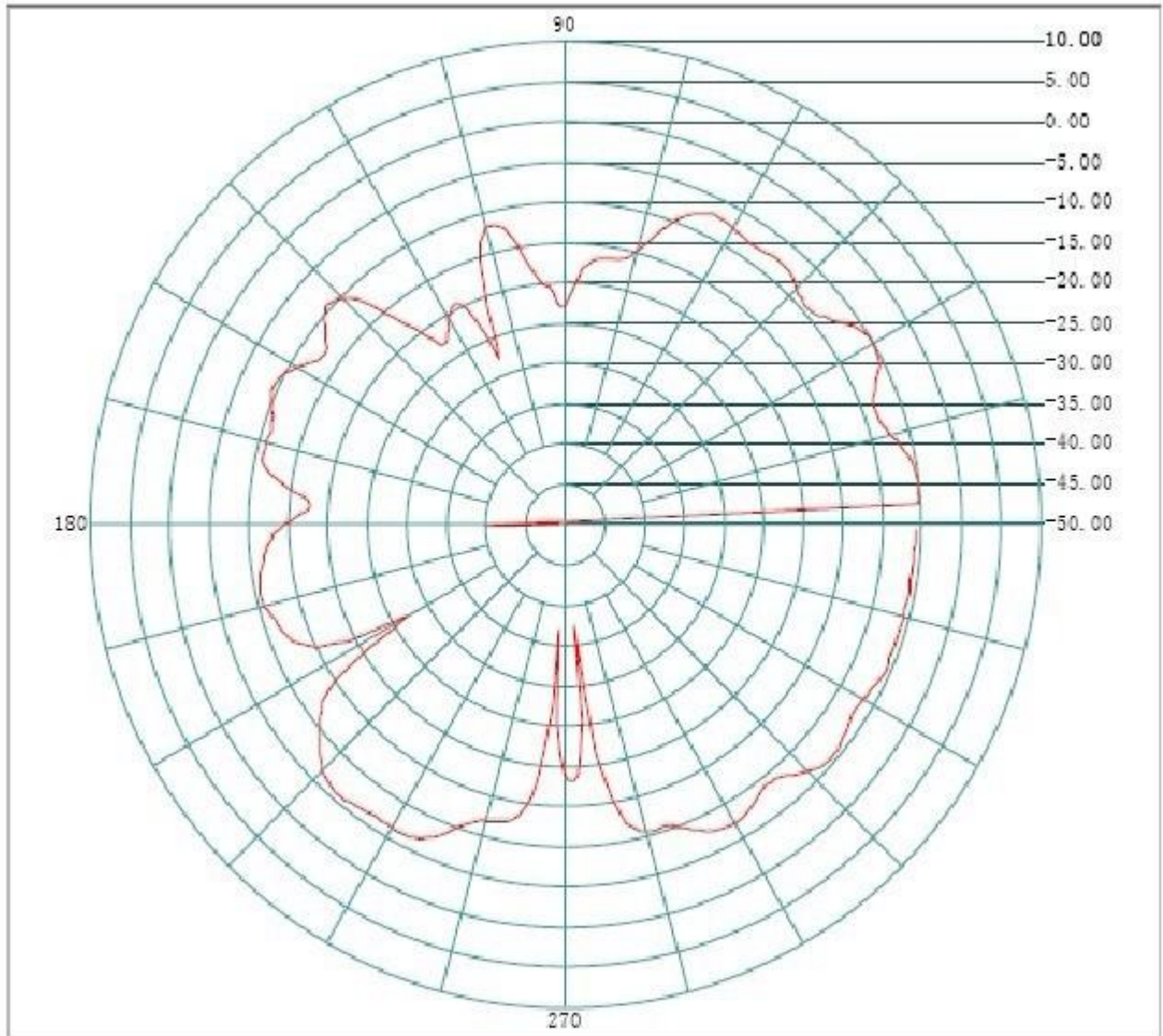
Antenna Polarity: **Horizontal**

Maximum Gain(dBi): **1.45**

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

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

## 2.2 Vertical



Frequency(MHZ): **2480**

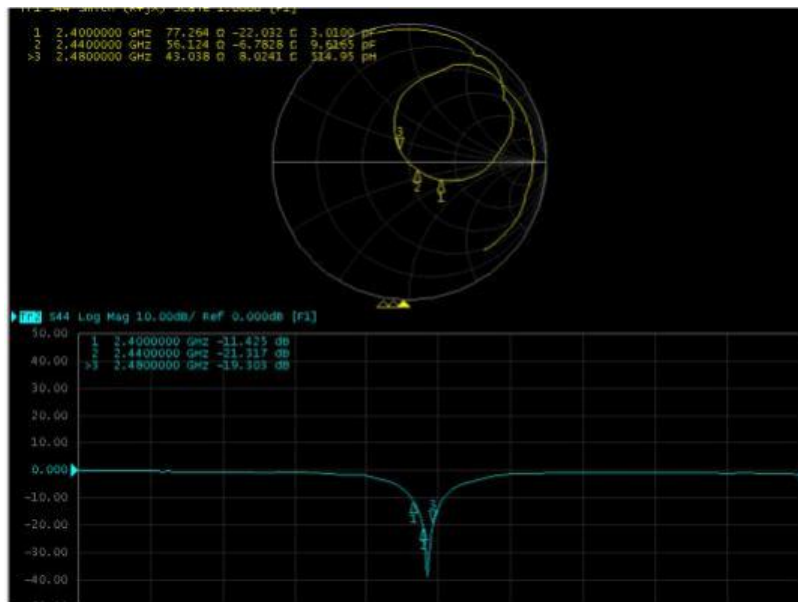
Antenna Polarity: **Vertical**

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

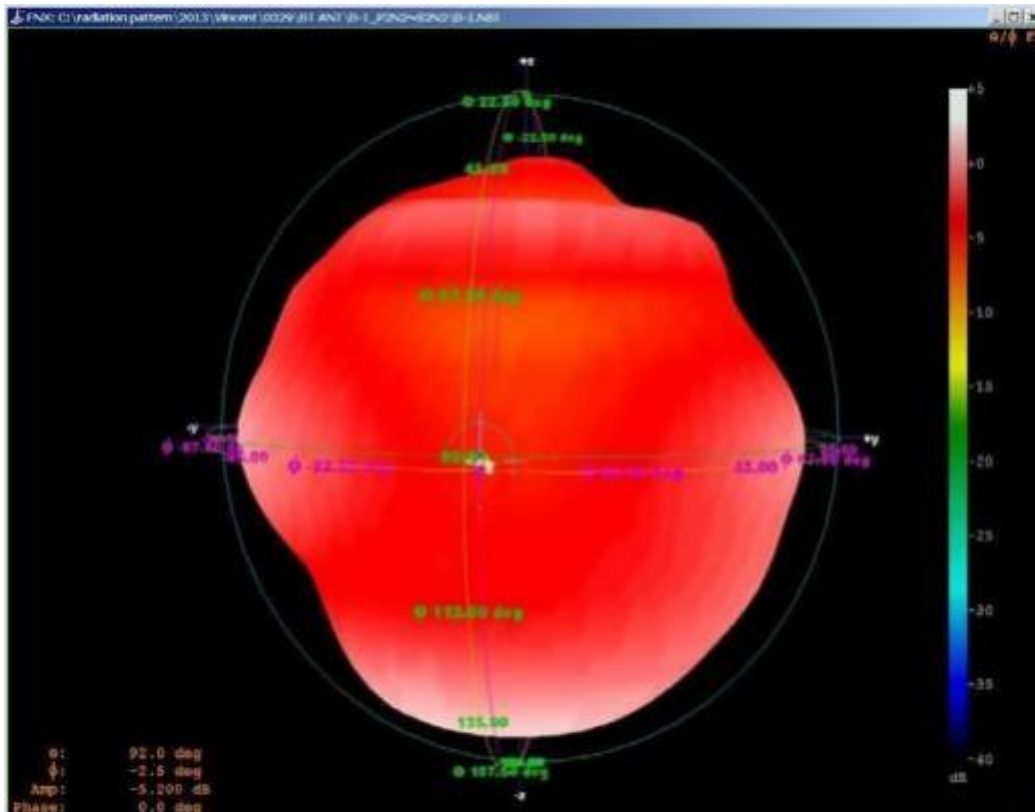
Average Gain(dBi) : **-9.06**

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

# Return Loss



# 3D radiation pattern diagram





# The Environment of Antenna Radiation Pattern

