

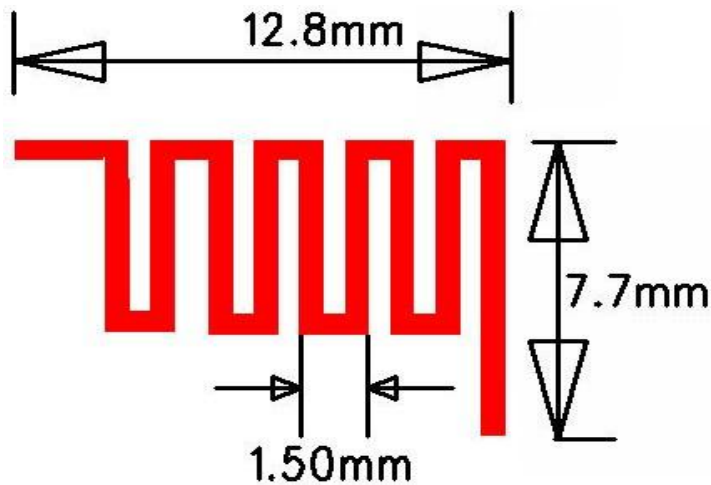
Antenna Specification

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 Ω	
Antenna Length	36.0 mm	

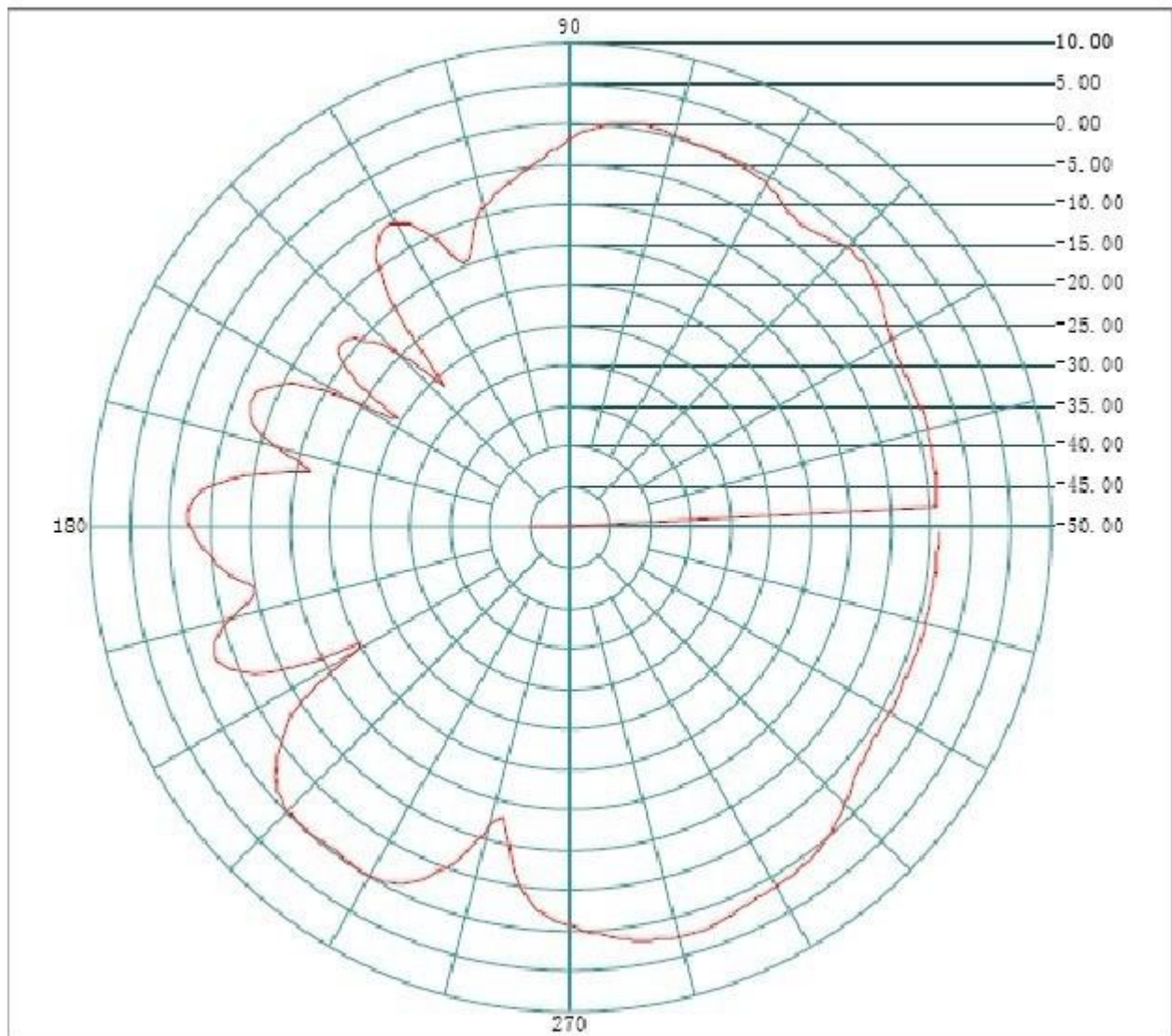
Antenna Photo & Length (mm)



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

1. Main antenna : 2402 MHz

1.1 Horizontal



Frequency(MHZ): **2402**

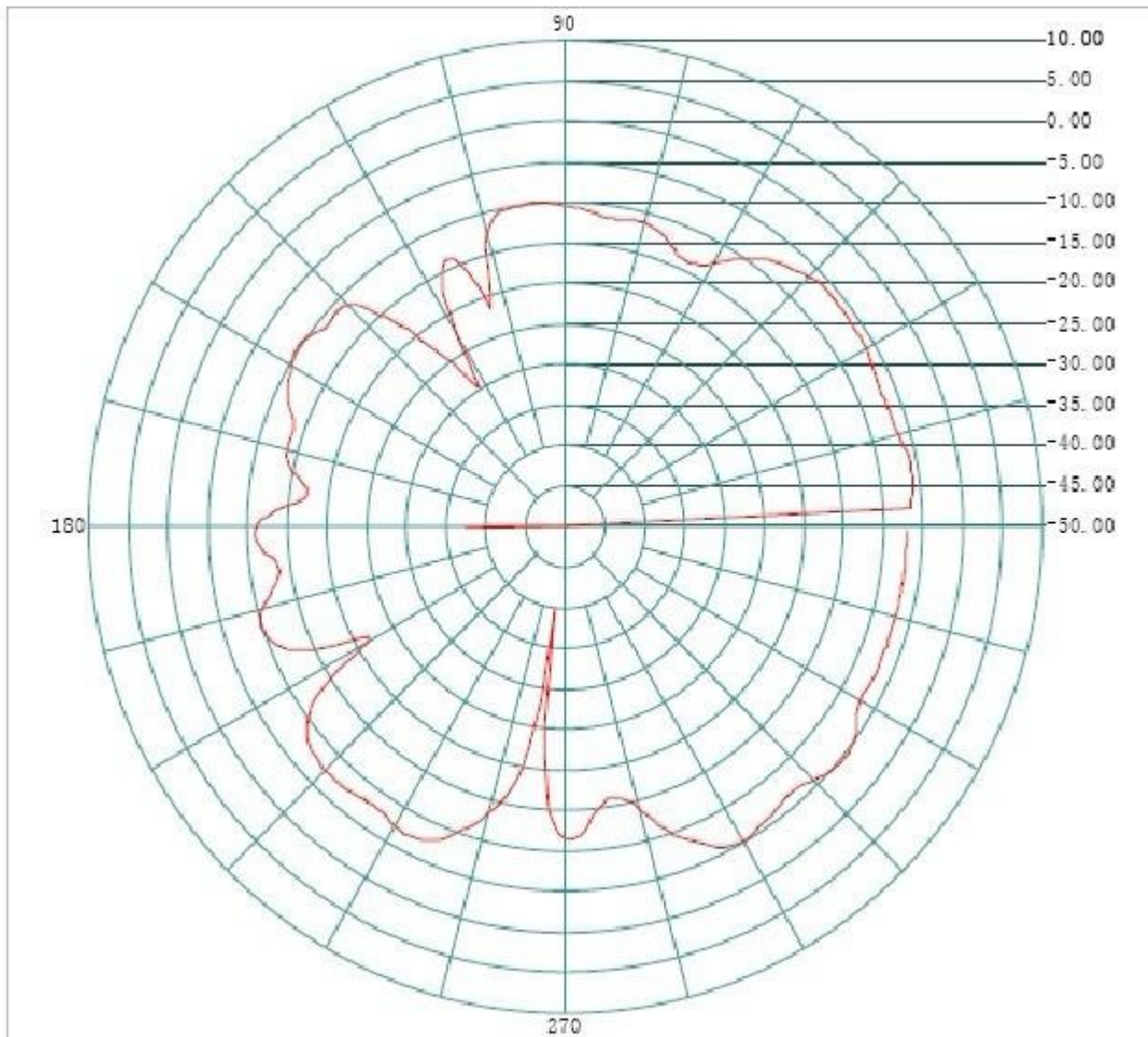
Antenna Polarity: **Horizontal**

Maximum Gain(dBi): **1.77**

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

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

1.2 Vertical



Frequency(MHZ): **2402**

Antenna Polarity: **Vertical**

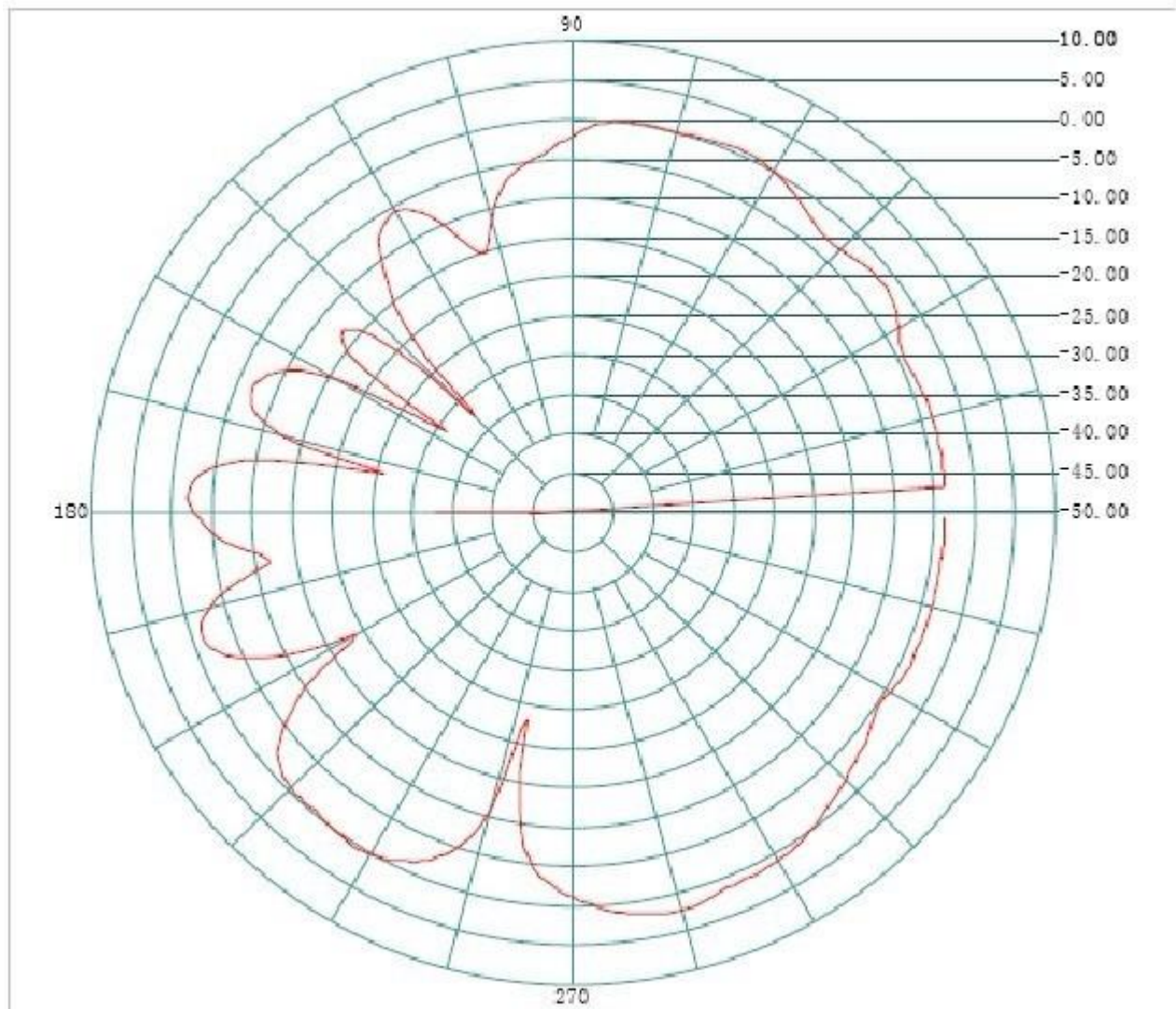
Maximum Gain(dBi): **-4.51**

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

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

2. Main antenna : 2440 MHz

2.1 Horizontal



Frequency(MHZ): **2440**

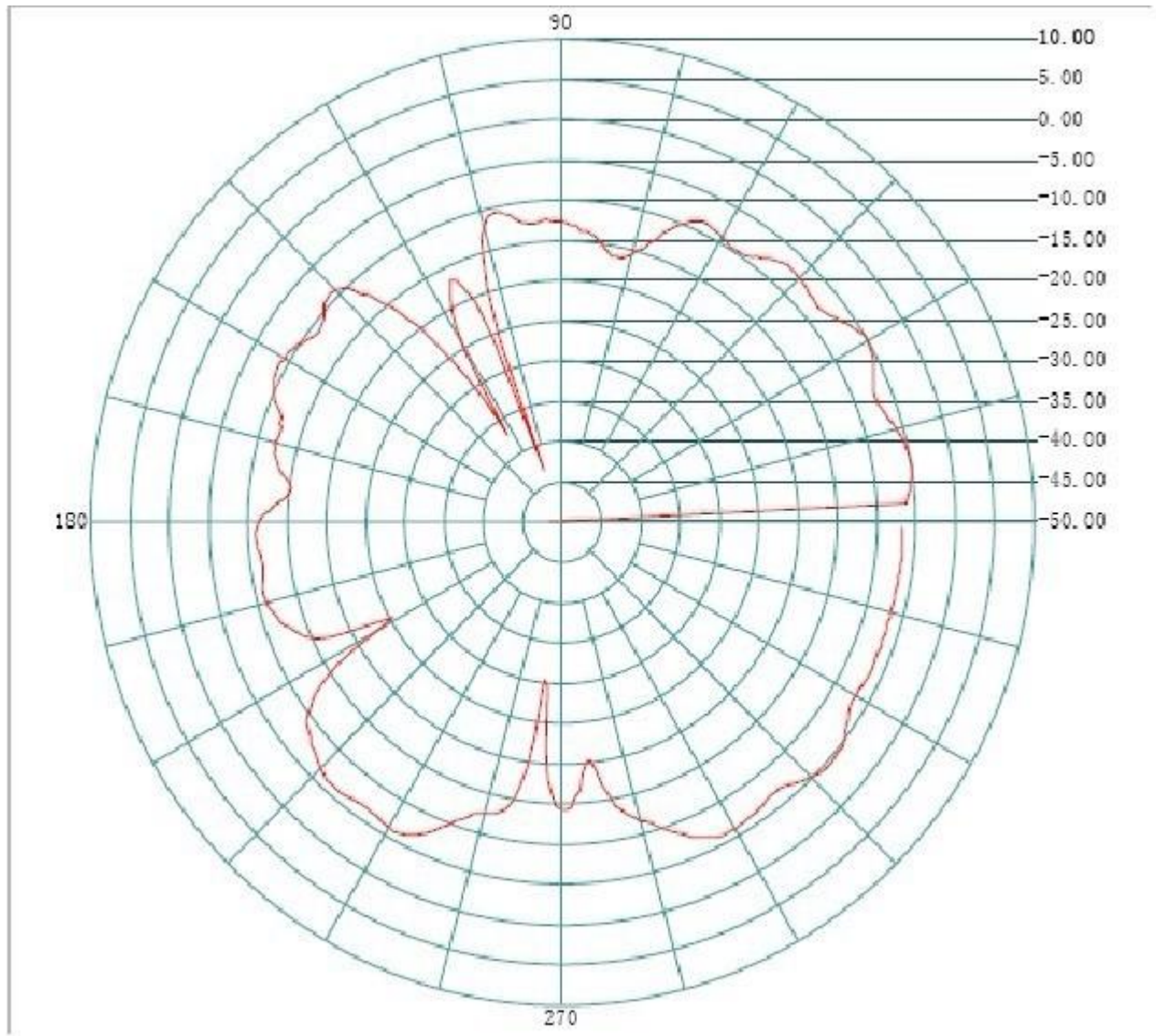
Antenna Polarity: **Horizontal**

Maximum Gain(dBi): **2.07**

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

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

2.2 Vertical



Frequency(MHZ): **2440**

Antenna Polarity: **Vertical**

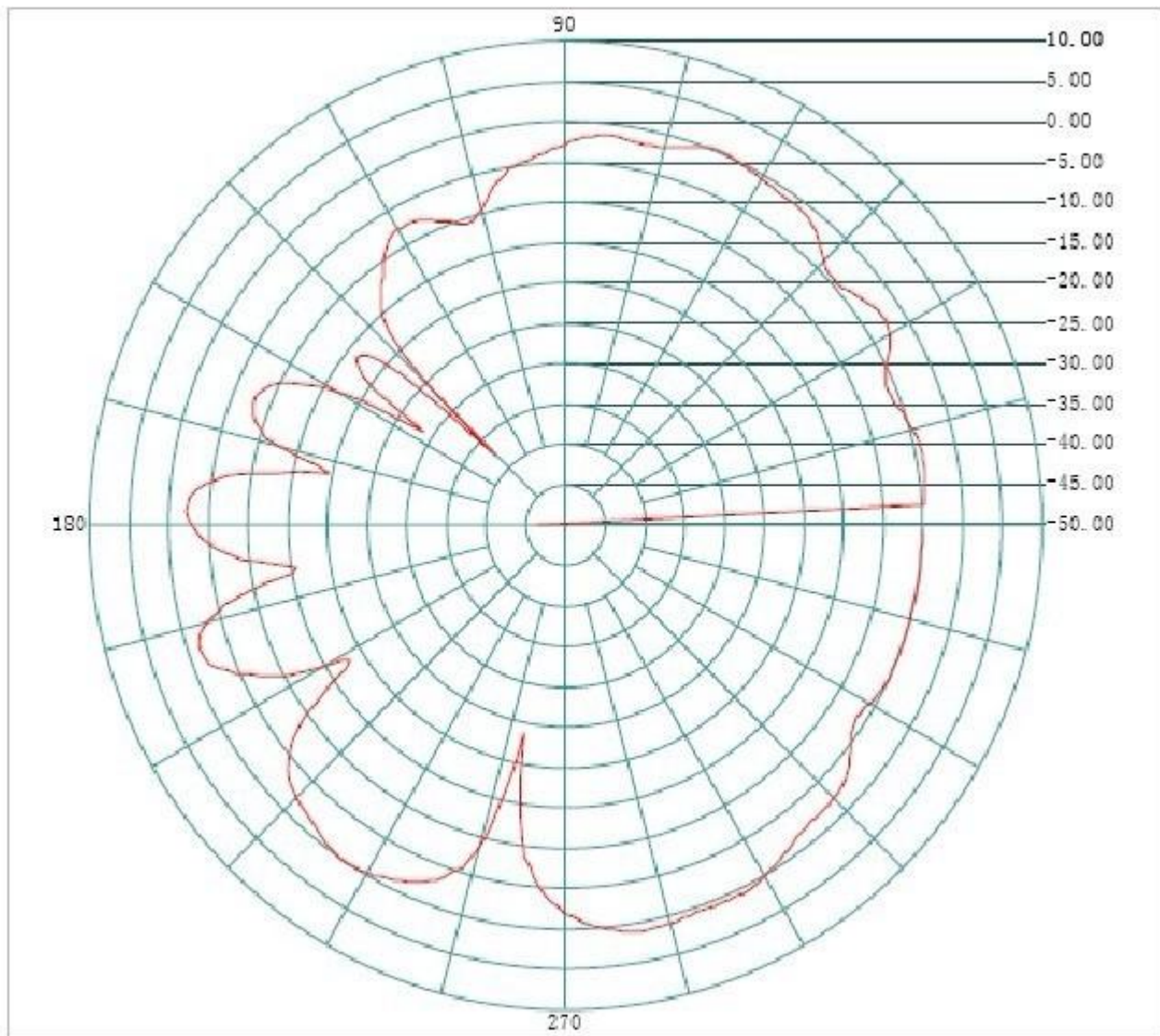
Maximum Gain(dBi): **-4.29**

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

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

2. Main antenna : 2480 MHz

2.1 Horizontal



Frequency(MHZ): **2480**

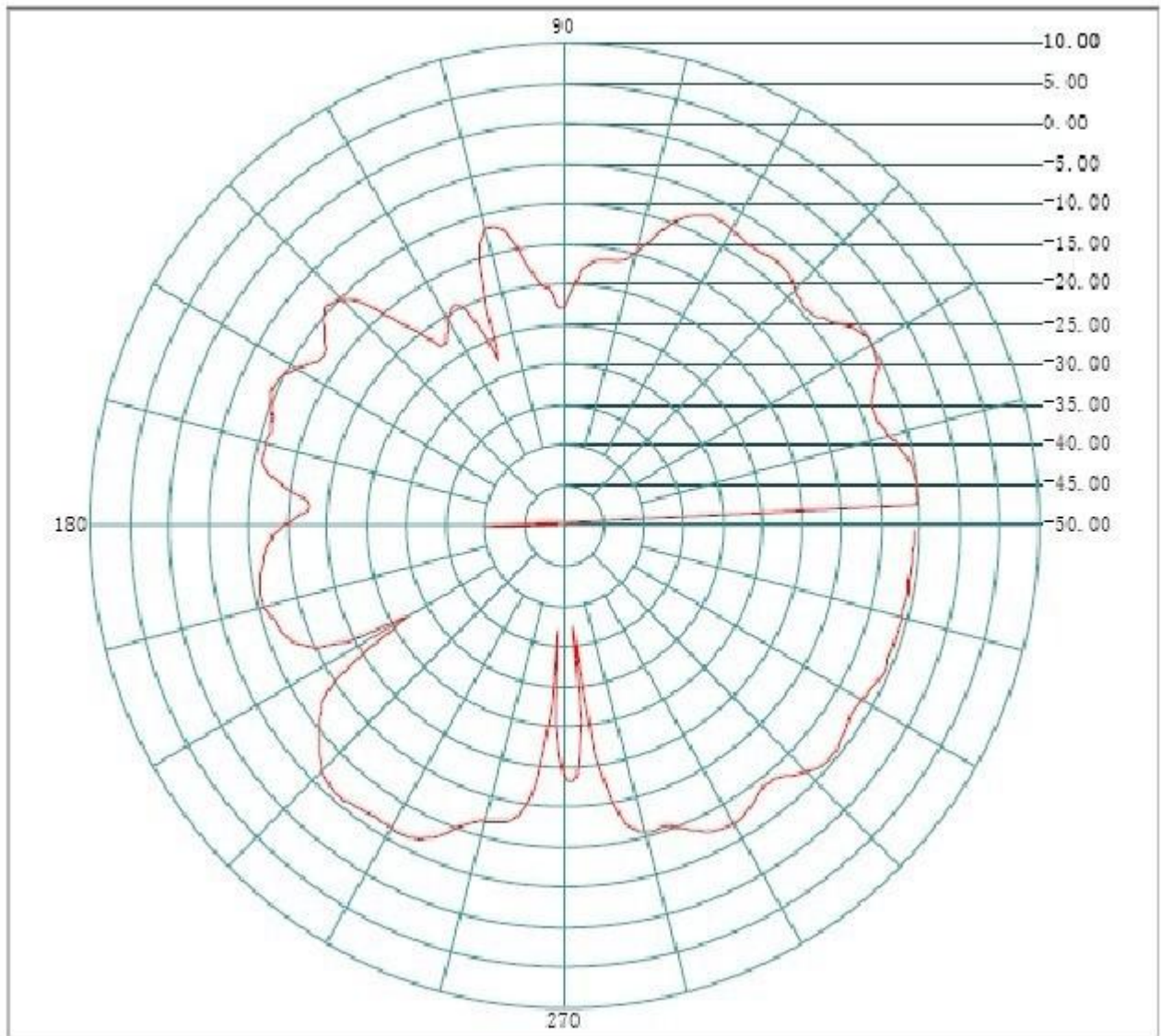
Antenna Polarity: **Horizontal**

Maximum Gain(dBi): **1.45**

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

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

2.2 Vertical



Frequency(MHZ): **2480**

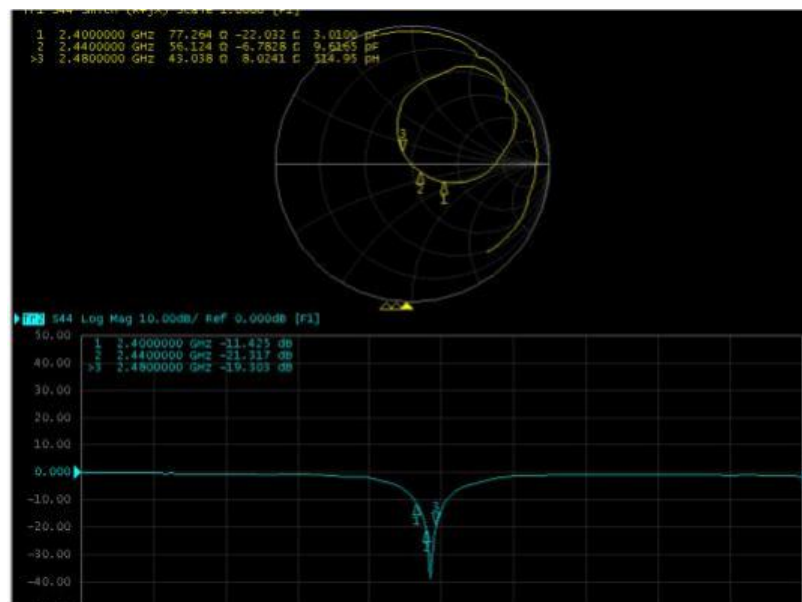
Antenna Polarity: **Vertical**

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

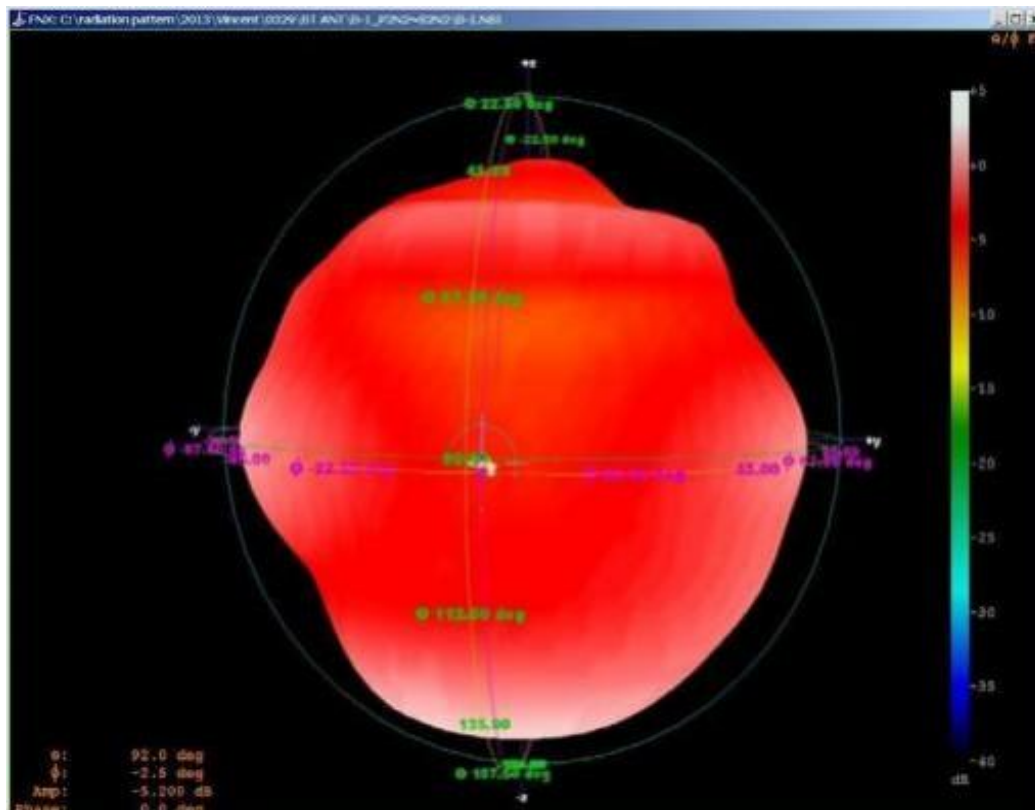
Average Gain(dBi) : **-9.06**

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

Return Loss



3D radiation pattern diagram



The Environment of Antenna Radiation Pattern

