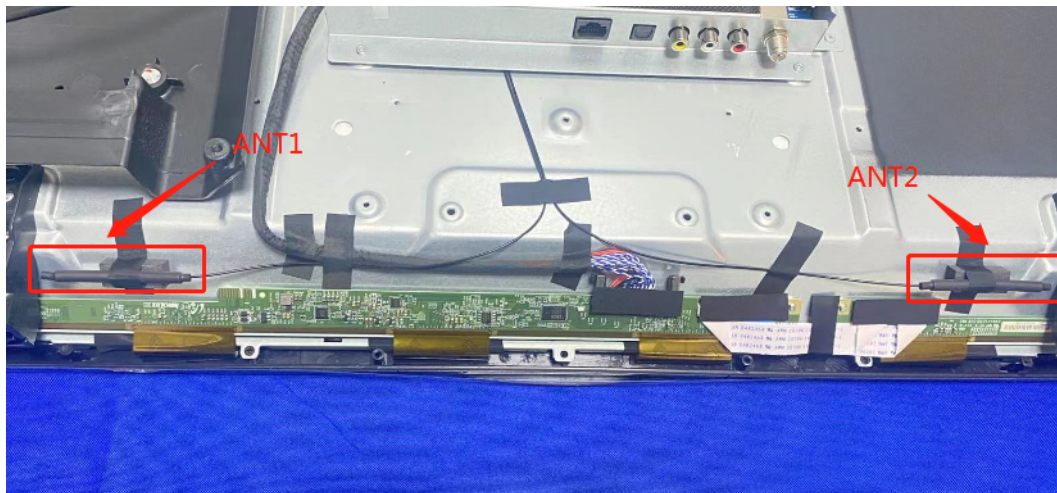


Antenna Specification

Specifications Summary

ITEM	SPEC.	
Model Name	IBM 2.4 GHz	
Center Frequency	2400MHz	0.92 dBi
	2450MHz	0.62 dBi
	2500MHz	0.90 dBi
MAX. GAIN	0.92 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length	6.5cm	

Antenna Photo



Test Date

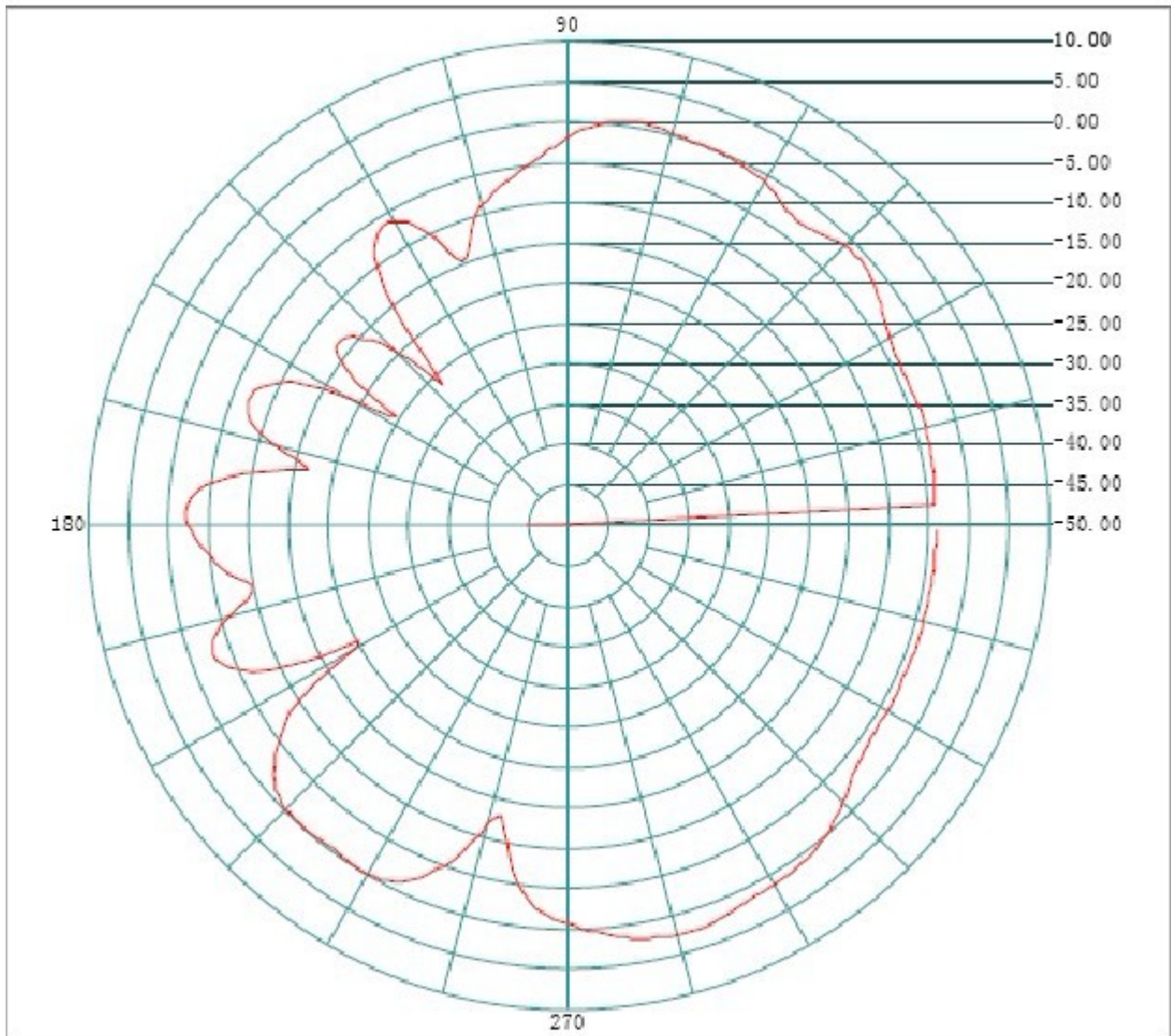
2023-01-02

Test Instrument

vector network analyzer - R&S ZVB20

1. Main antenna : 2400 MHz

1.1 Horizontal



Frequency(MHZ): **2400**

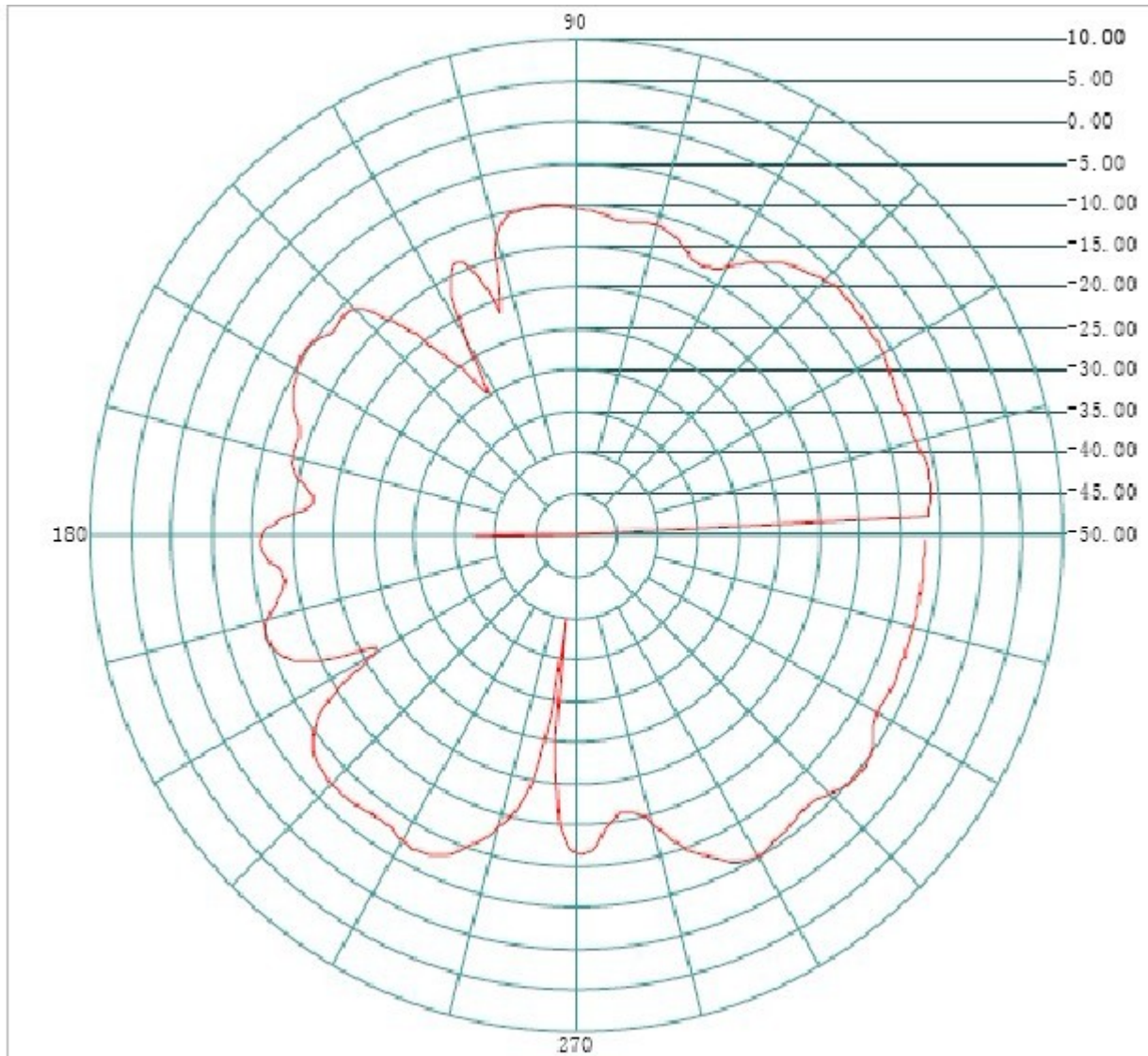
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **0.92**

Average Gain(dBi) : **-5.48**

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

1.2 Vertical



Frequency(MHZ): **2400**

Antenna Polarity: **Vertical**

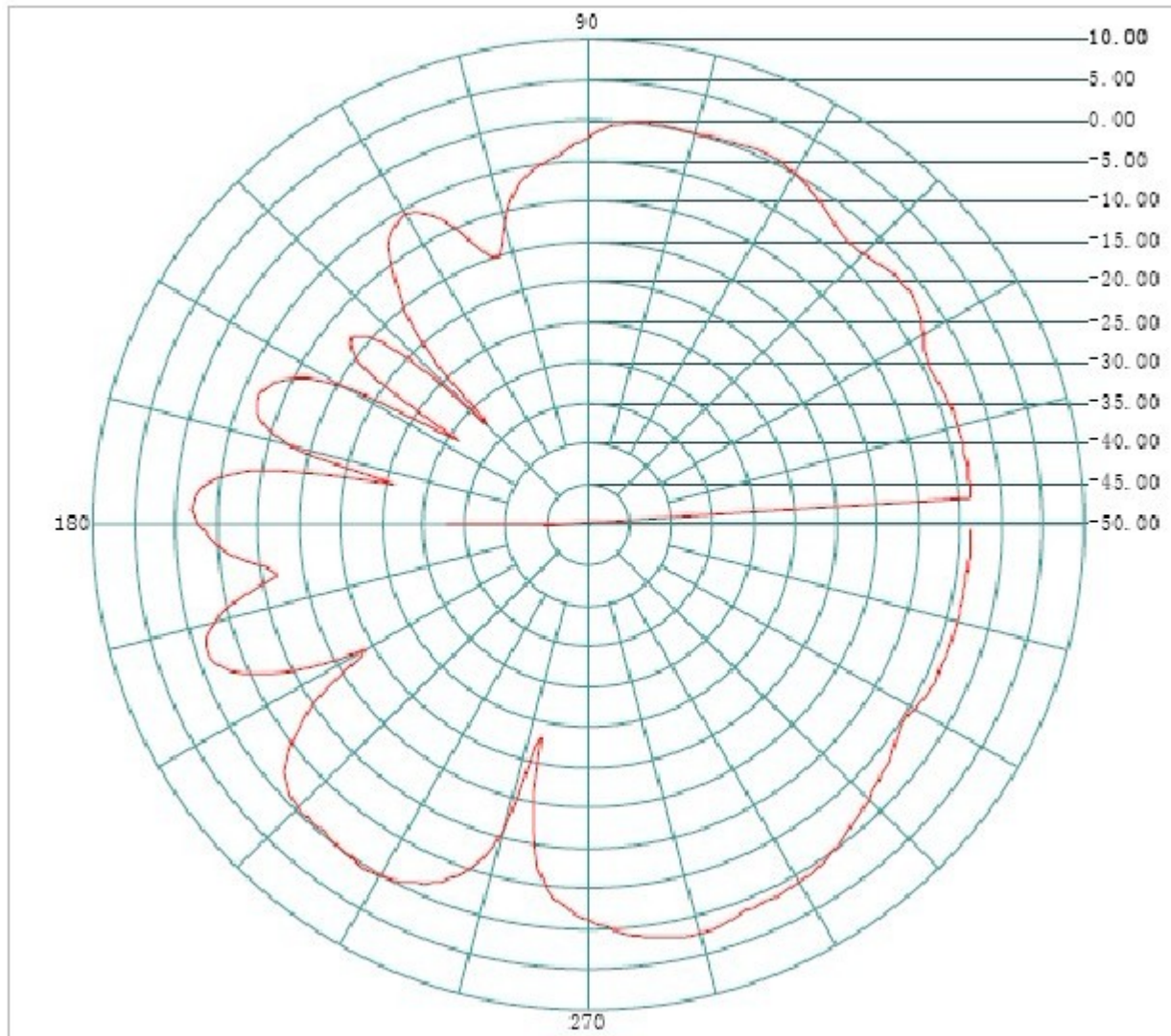
Maximum Value(dBi): **-6.31**

Average Gain(dBi) : **-11.17**

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

2. Main antenna : 2450 MHz

2.1 Horizontal



Frequency(MHZ): **2450**

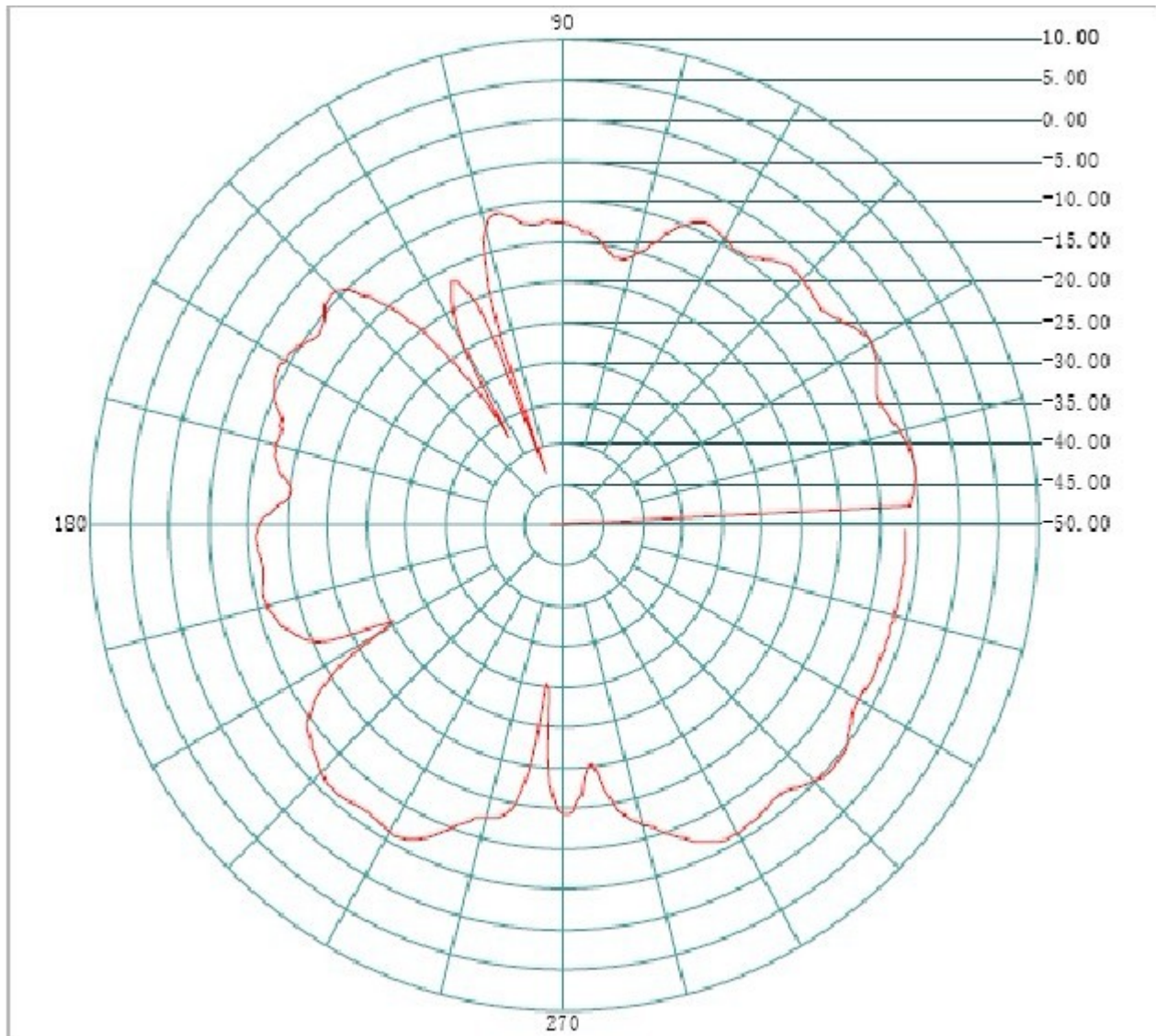
Antenna Polarity: **Horizontal**

Maximum Value(dBi): 0.62

Average Gain(dBi) : **-5.57**

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

2.2 Vertical



Frequency(MHZ): **2450**

Antenna Polarity: **Vertical**

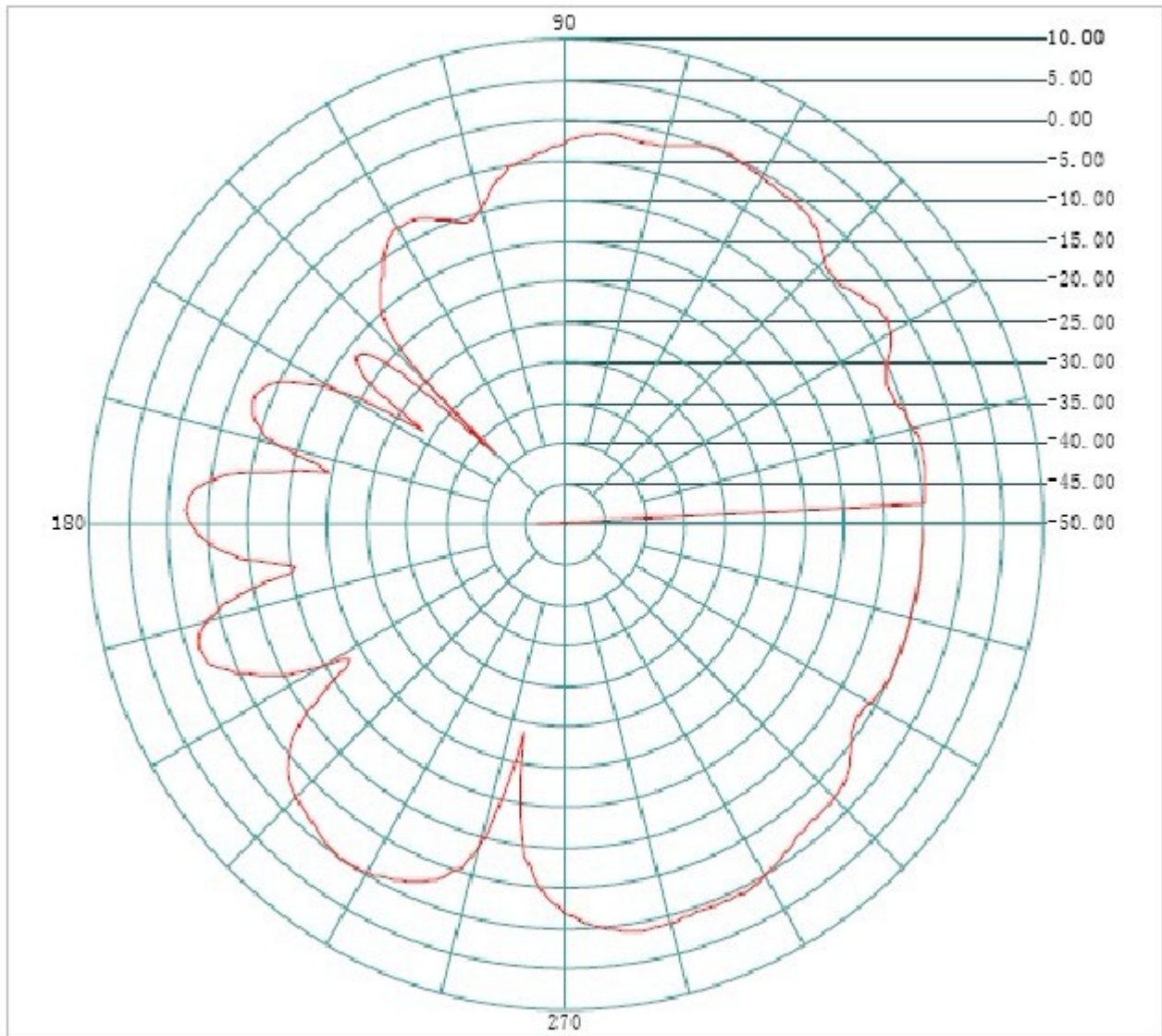
Maximum Value(dBi): **-4.57**

Average Gain(dBi) : **-9.81**

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

2. Main antenna : 2500 MHz

2.1 Horizontal



Frequency(MHZ): **2500**

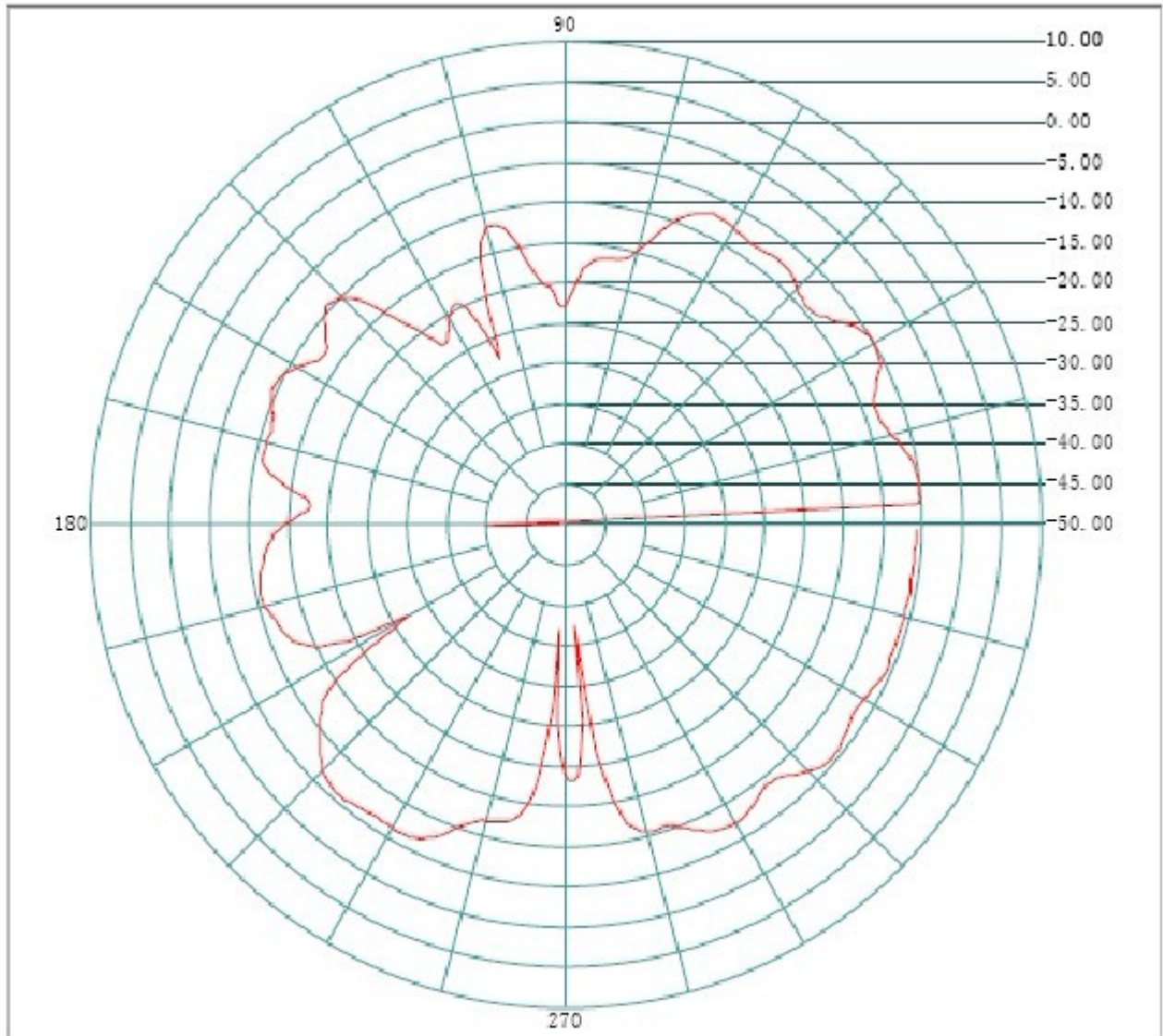
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **0.90**

Average Gain(dBi) : **-5.34**

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

2.2 Vertical



Frequency(MHZ): **2500**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **-5.23**

Average Gain(dBi) : **-11.06**

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

Manufacturer: ASA Electronics Shenzhen Limited

Manufacturer Address: Room 503, 5/F., Unit A, Skyworth Building, Gaoxin Avenue.1.S.,
Nanshan District, Shen Zhen 518057, China