

Antenna Specification

Specifications Summary

ITEM	SPEC.	
Model Name	IBM 0.9 GHz	
Center Frequency	902 MHz	0.90 dBi
	915 MHz	0.97dBi
	928 MHz	1.00 dBi
MAX. GAIN	1.00 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length	25mm	

Test Date

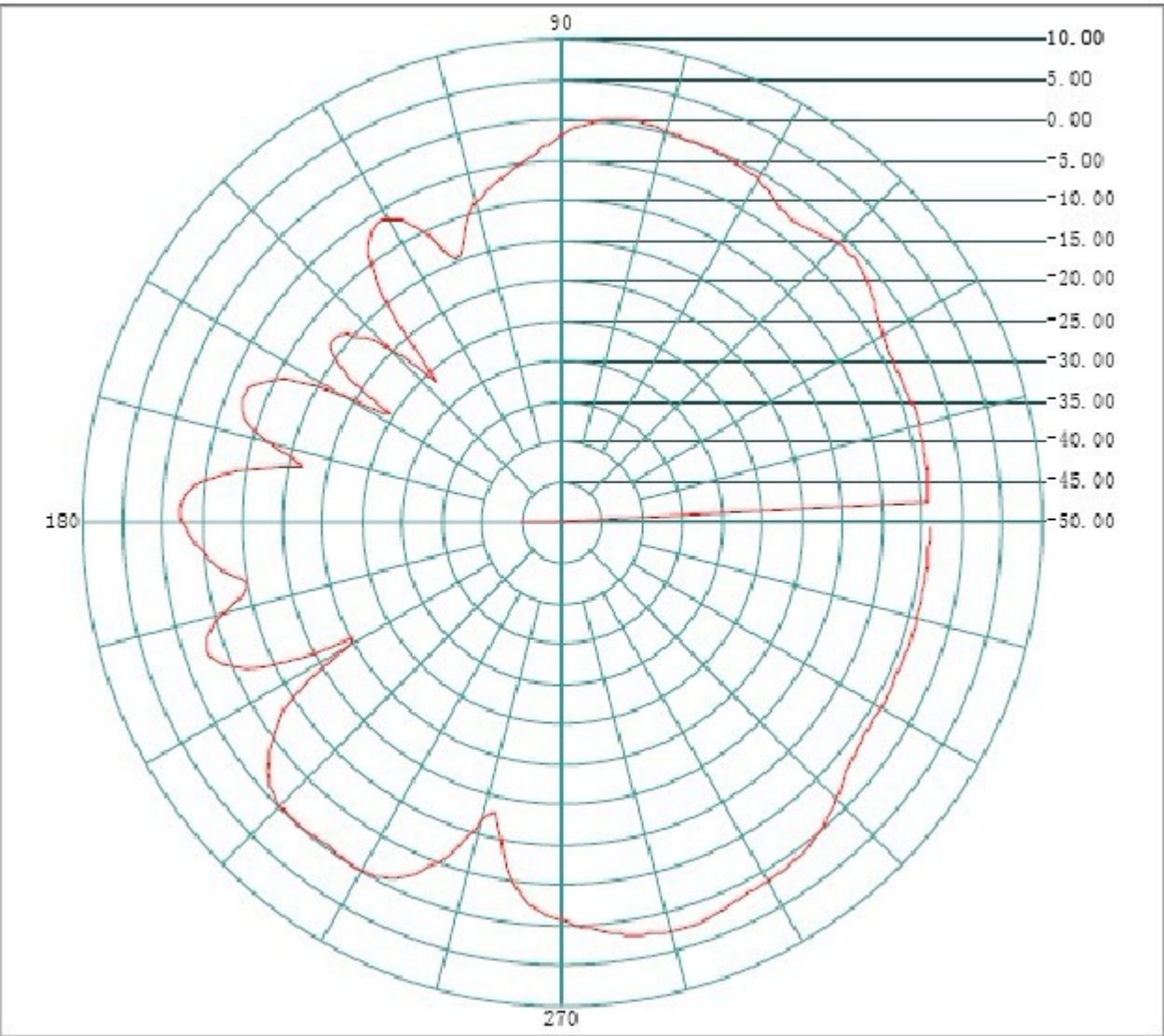
2022-05-09

Test Instrument

vector network analyzer - R&S ZVB20

1. Main antenna : 902 MHz

1.1 Horizontal



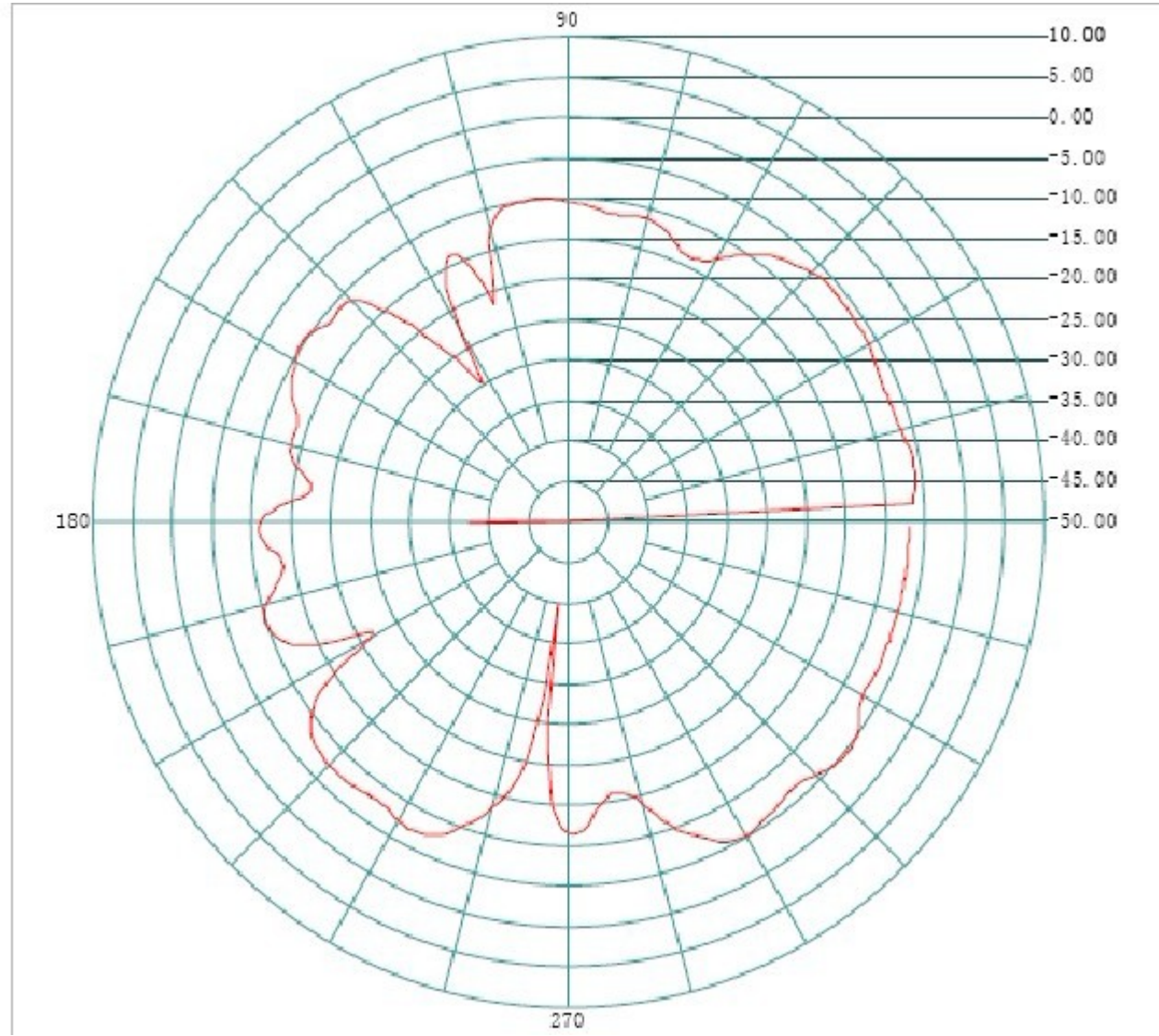
Frequency(MHZ): **902** Antenna Polarity: **Horizontal**

Maximum Value(dBi): **0.90**

Average Gain(dBi) : **0.48**

Minimum Gain(dBi): **-4.18**

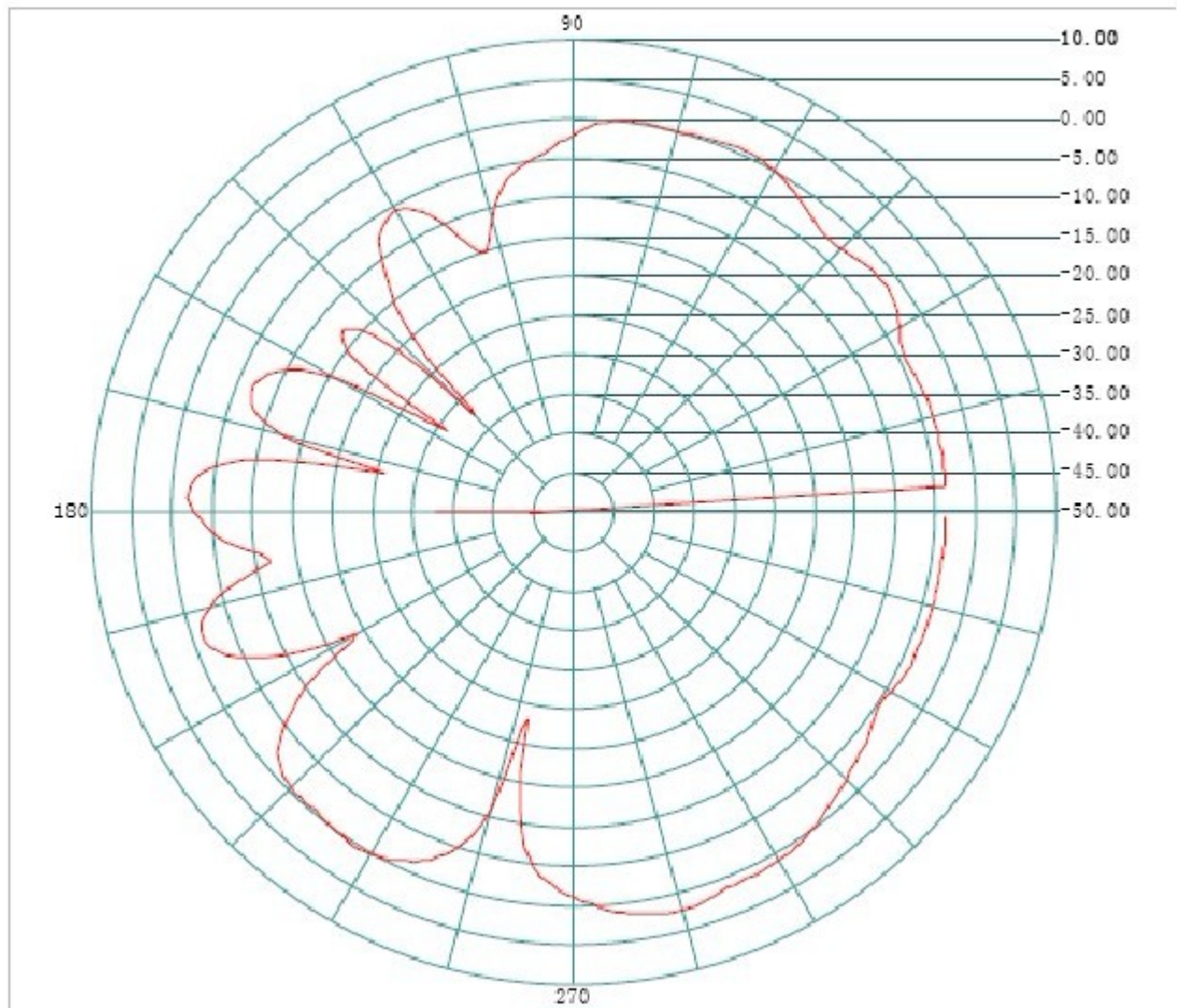
1.2 Vertical



Frequency(MHZ):	915	Antenna Polarity:	Vertical
Maximum Value(dBi):	0.87		
Average Gain(dBi) :	0.8		
Minimum Gain(dBi):	-12.3		

2. Main antenna : 915 MHz

2.1 Horizontal



Frequency(MHZ): **915**

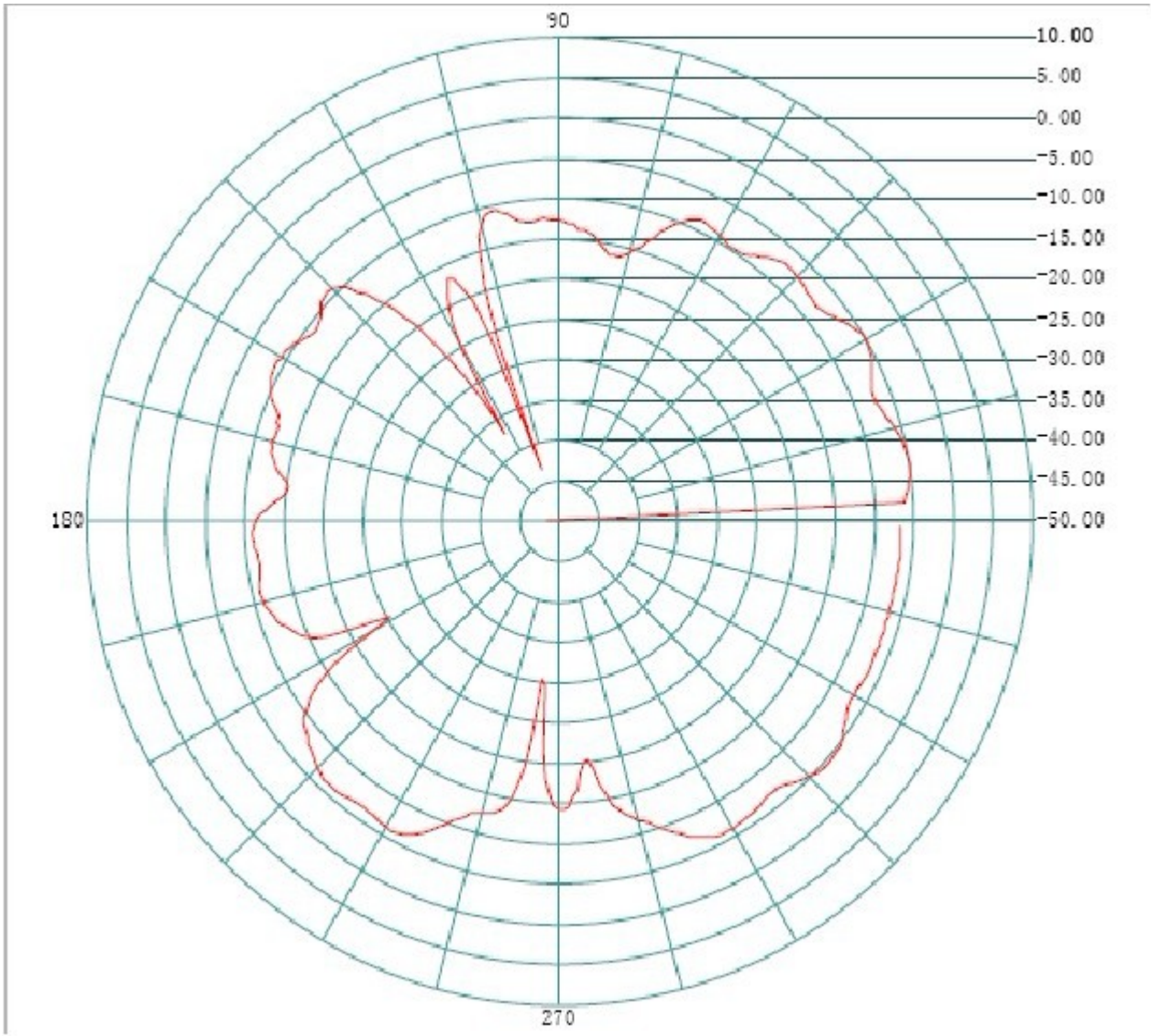
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **0.97**

Average Gain(dBi) : **0.74**

Minimum Gain(dBi): **-6.98**

2.2 Vertical



Frequency(MHZ): **915** Antenna Polarity: **Vertical**

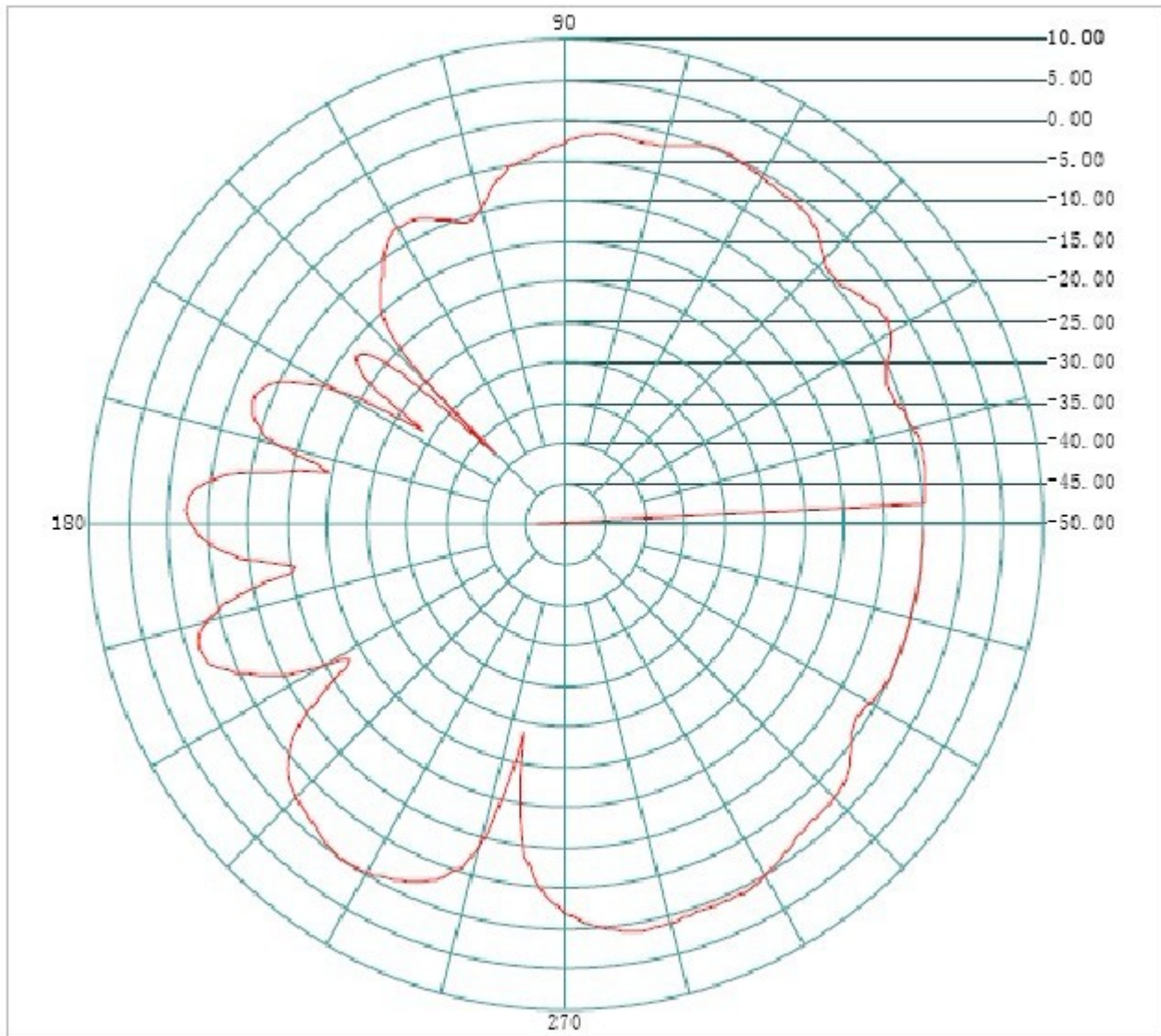
Maximum Value(dBi): **0.88**

Average Gain(dBi) : **0.81**

Minimum Gain(dBi): **-7.4**

2. Main antenna : 928 MHz

2.1 Horizontal



Frequency(MHZ): **928**

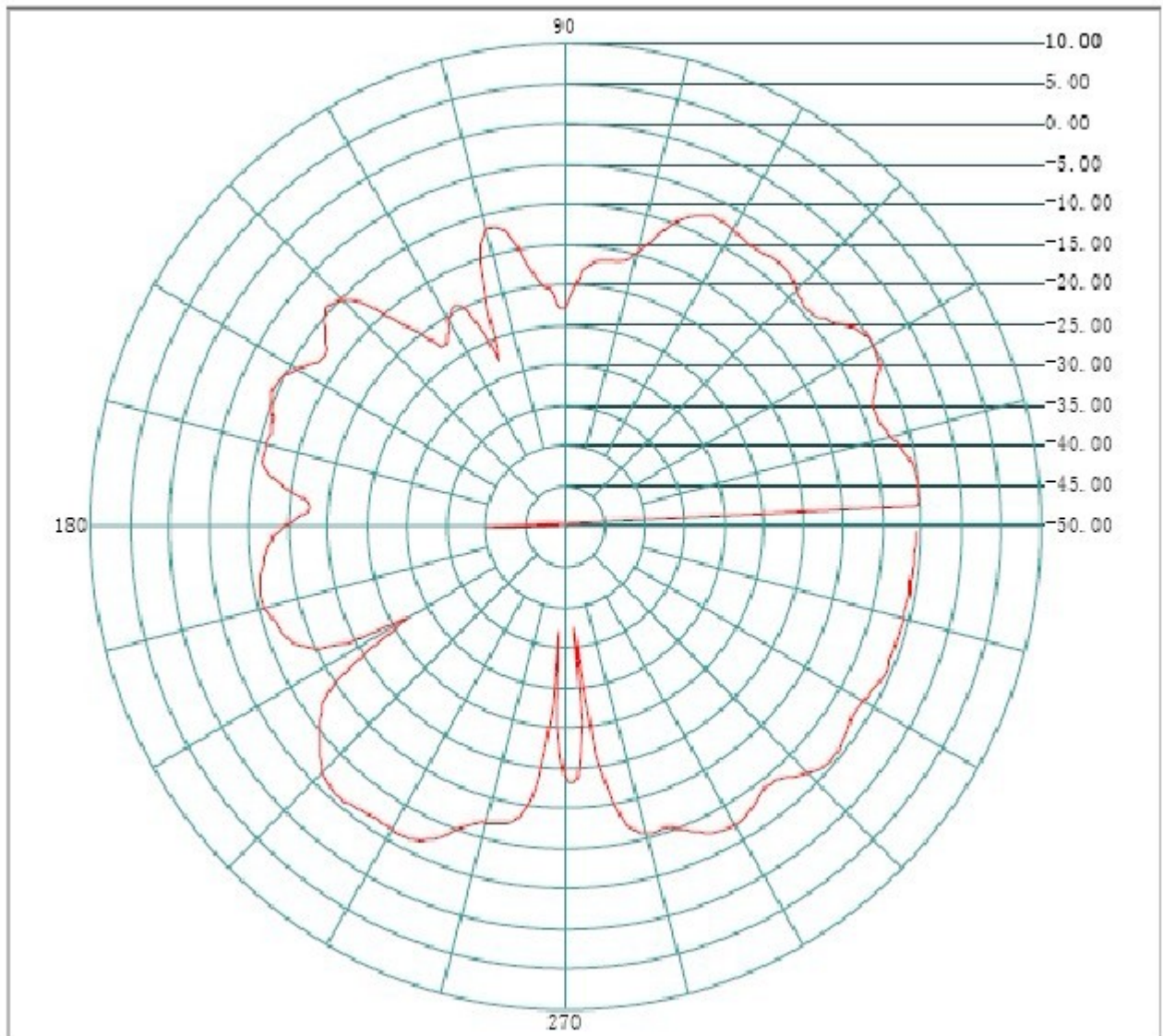
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **1.00**

Average Gain(dBi) : **0.92**

Minimum Gain(dBi): **-5.4**

2.2 Vertical



Frequency(MHZ): **928**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **0.95**

Average Gain(dBi) : **0.91**

Minimum Gain(dBi): **-10.00**

ANT SIZE

