

Antenna Specification

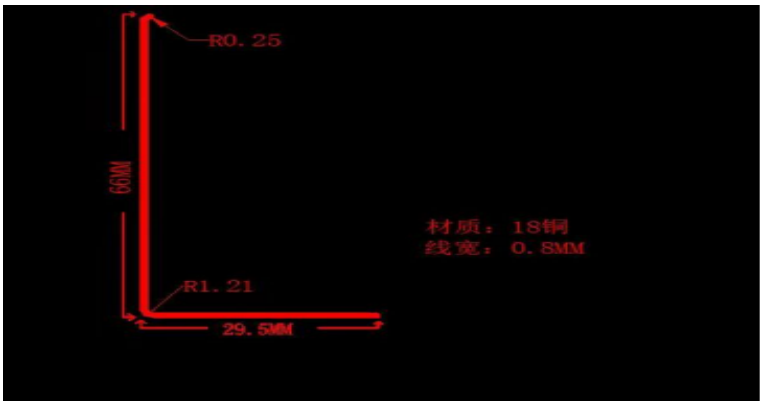
Antenna type: PCB Antenna

Specifications Summary

ITEM	SPEC.		
Model Name	IBM 433.92 MHz		
Center Frequency	433.62MHz	2.34 dBi	
	433.92MHz	2.07dBi	
	434.22MHz	1.45 dBi	
MAX. GAIN	2.34 dBi		
Polarization	Horizontal		
Azimuth Beam Pattern	Omni-directional		
Impedance	50 Ω		
Antenna Length	137.80033mm		

testing company : COMPX TECHNOLOGY CO., LTD

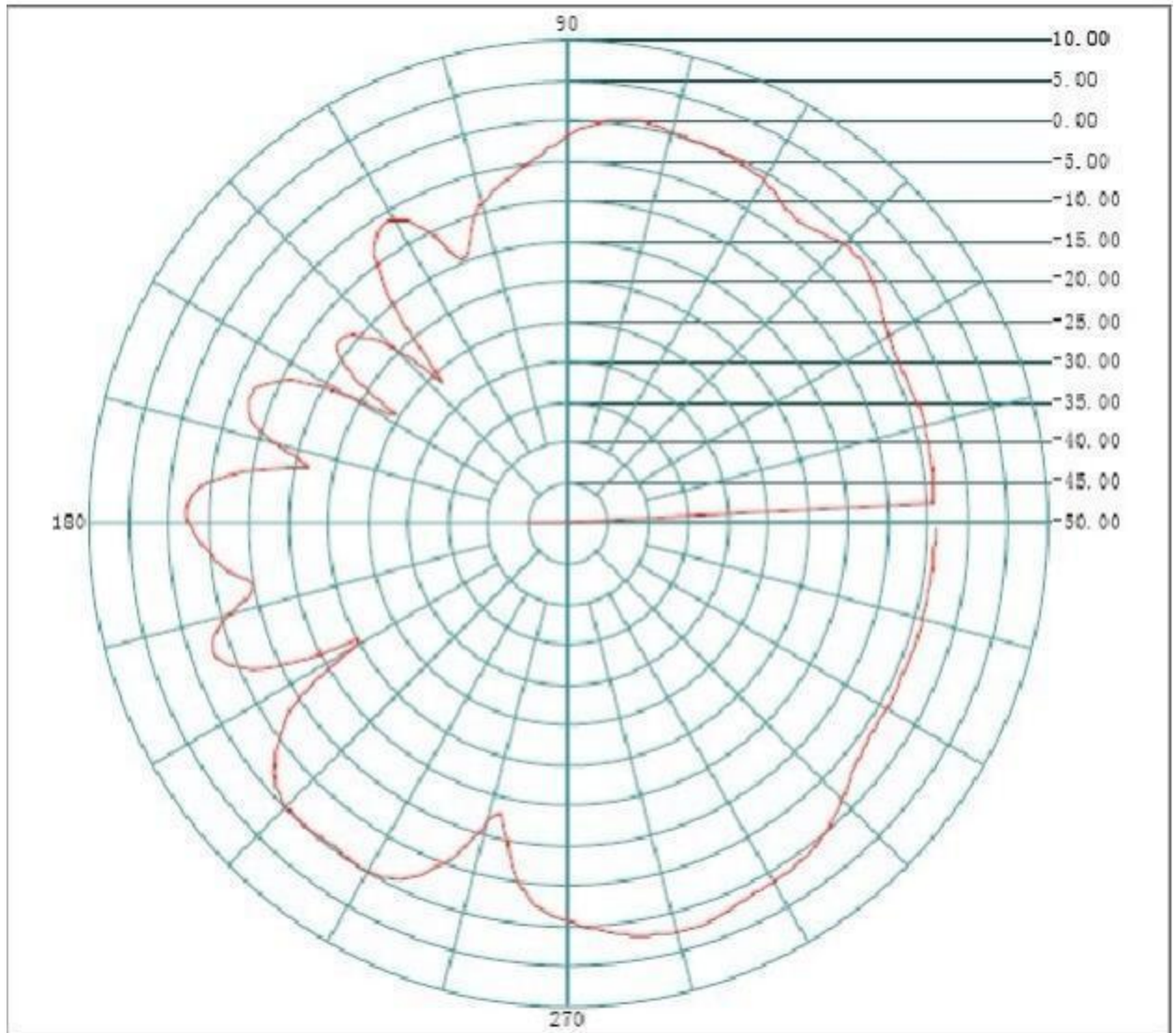
Antenna Photo & Length (mm)



Test Address	16 Tzu Chiang Road, Hsinchu Industrial District Hsinchu Hsien 303, Taiwan
Test Date	2026-4-10
Test Instrument	vector network analyzer - R&S ZVB20

1. Main antenna : 433.62 MHz

1.1 Horizontal



Frequency(MHZ): **433.62**

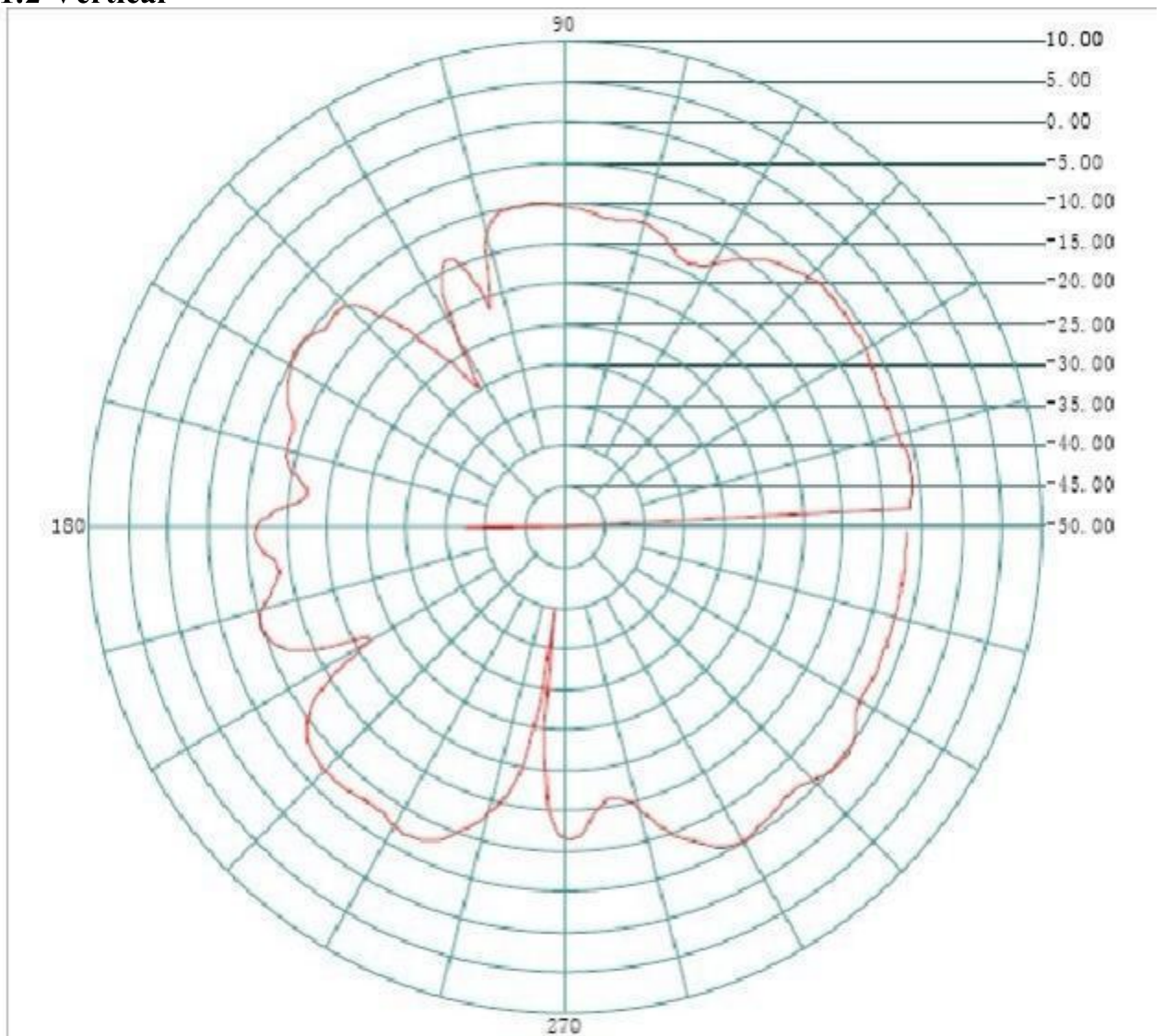
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **2.34**

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

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

1.2 Vertical



Frequency(MHZ): **433.62**

Antenna Polarity: **Vertical**

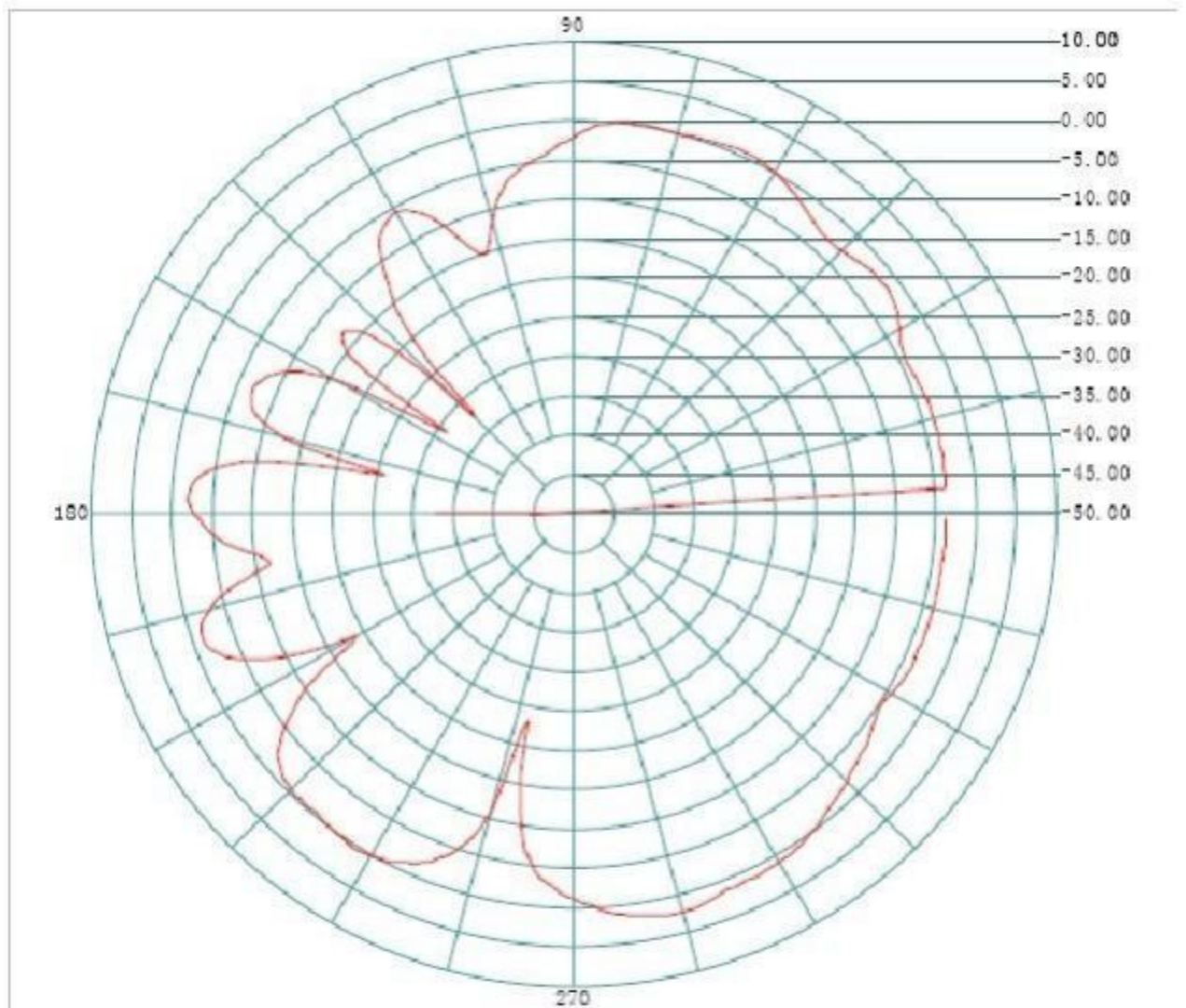
Maximum Value(dBi): **-4.51**

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

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

2. Main antenna : 433.92 MHz

2.1 Horizontal



Frequency(MHZ): **433.92**

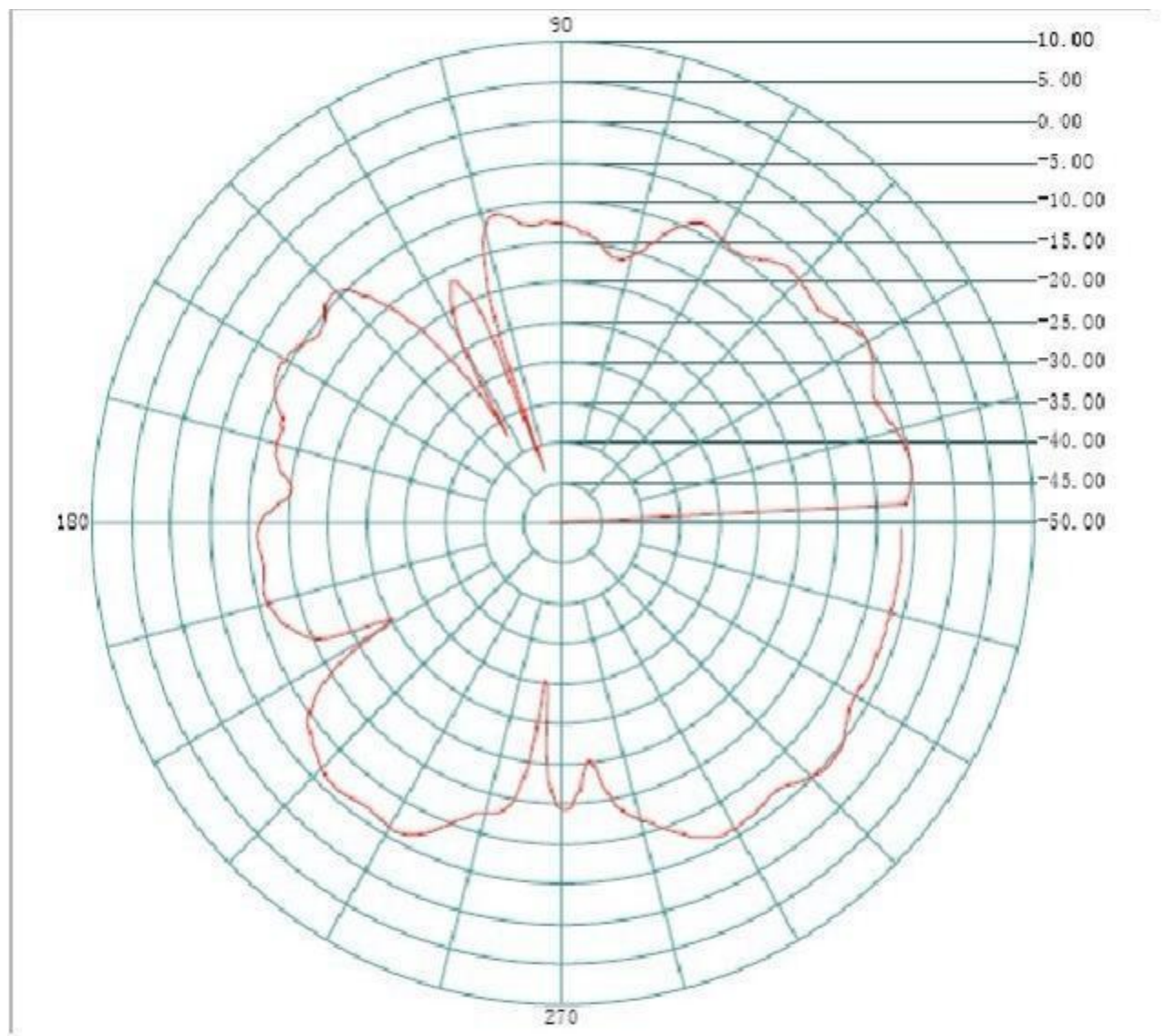
Antenna Polarity: **Horizontal**

Maximum Value(dBi): 2.07

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

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

2.2 Vertical



Frequency(MHZ): **433.92**

Antenna Polarity: **Vertical**

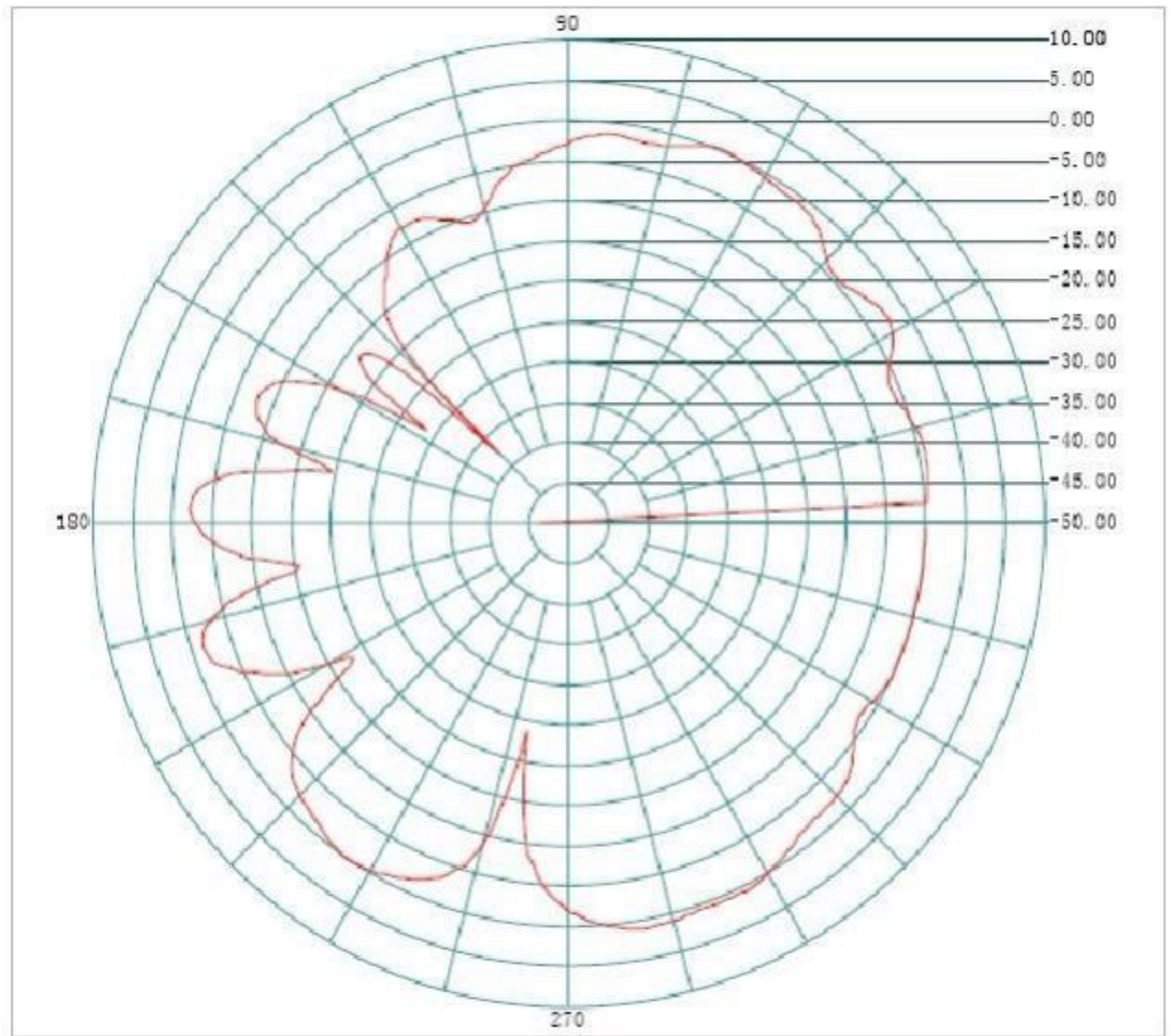
Maximum Value(dBi): **-4.29**

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

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

2. Main antenna : 434.22 MHz

2.1 Horizontal



Frequency(MHZ): **434.22**

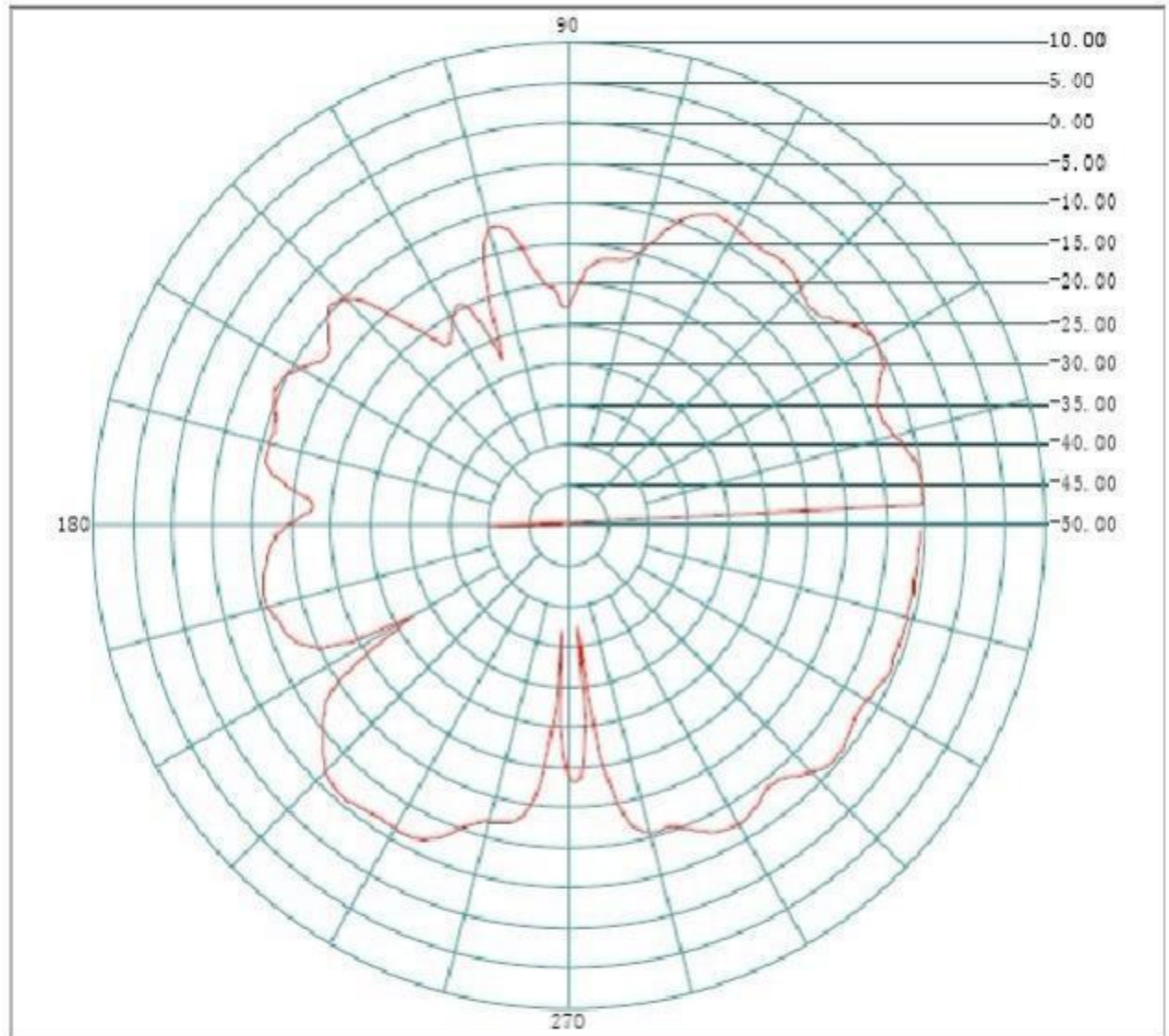
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **1.45**

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

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

2.2 Vertical



Frequency(MHZ): **434.22**

Antenna Polarity: **Vertical**

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

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

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