

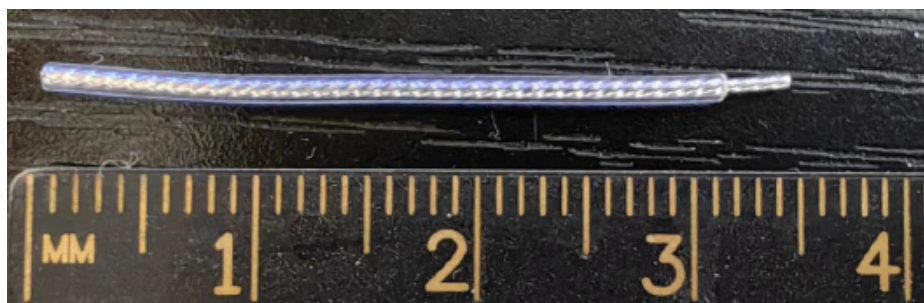
Antenna Specification

Specifications

Summary

ITEM	SPEC.
Model Name	PCB Antenna
Center Frequency	430-440 MHz
MAX. GAIN	0.86 dBi
Polarization	H/V
Azimuth Beam Pattern	Omni-directional
Impedance	50 Ω

Test Address	16 Tzu Chiang Road, Hsinchu Industrial District Hsinchu Hsien 303, Taiwan
Test Date	2021-07-22
Test Instrument	vector network analyzer - R&S ZVB20



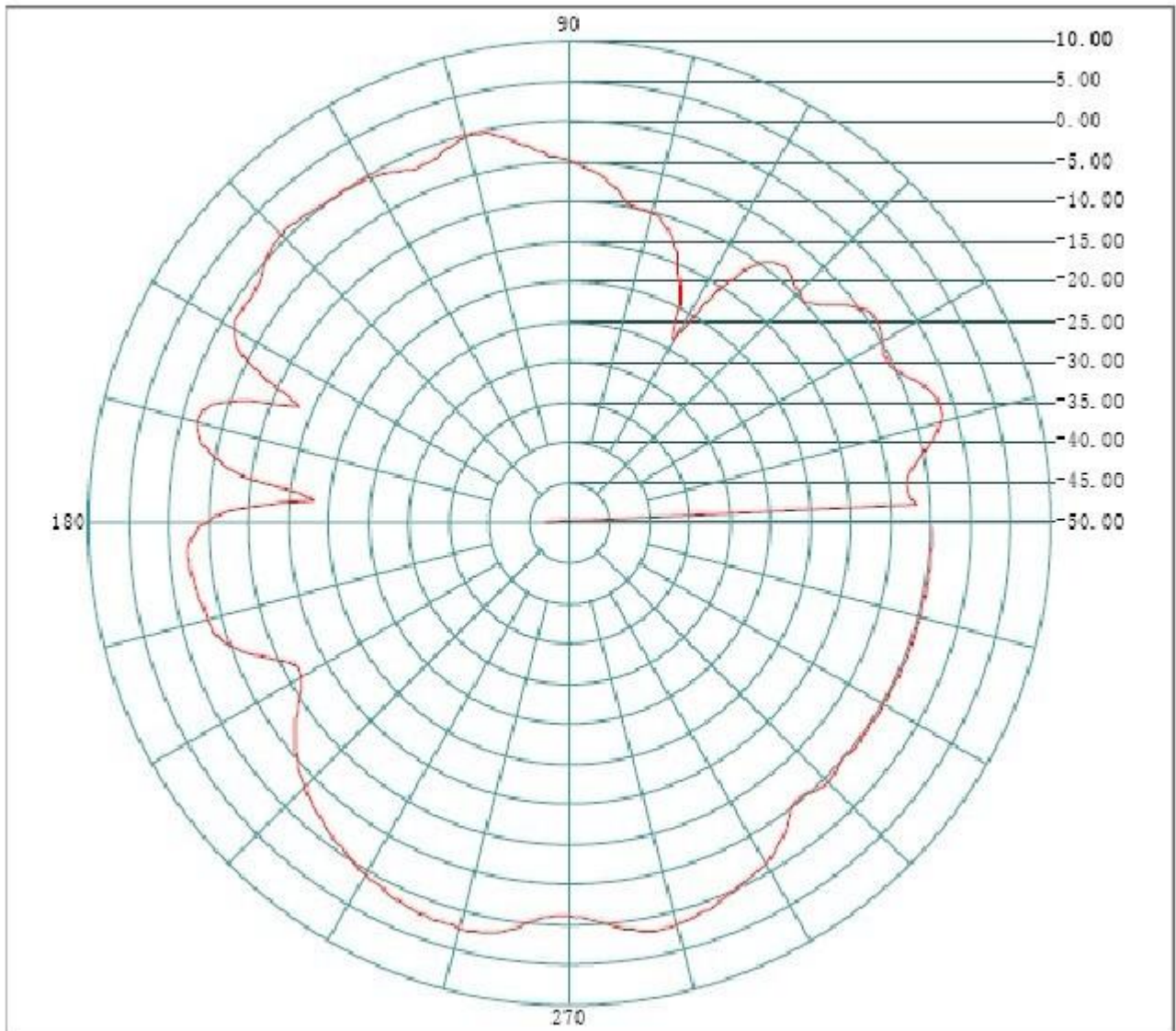
Manufacture: Yiri Optoelectronics Technology (Shenzhen) Co., Ltd

Address:

Room 502, Building 107, Liantang First Industrial Area, No. 72,
Guowei Street, Xianhu Community, Liantang Sub-district,
Luohu District, Shenzhen

1. Main antenna : 430MHz

1.1 Horizontal



Frequency(MHZ): **430**

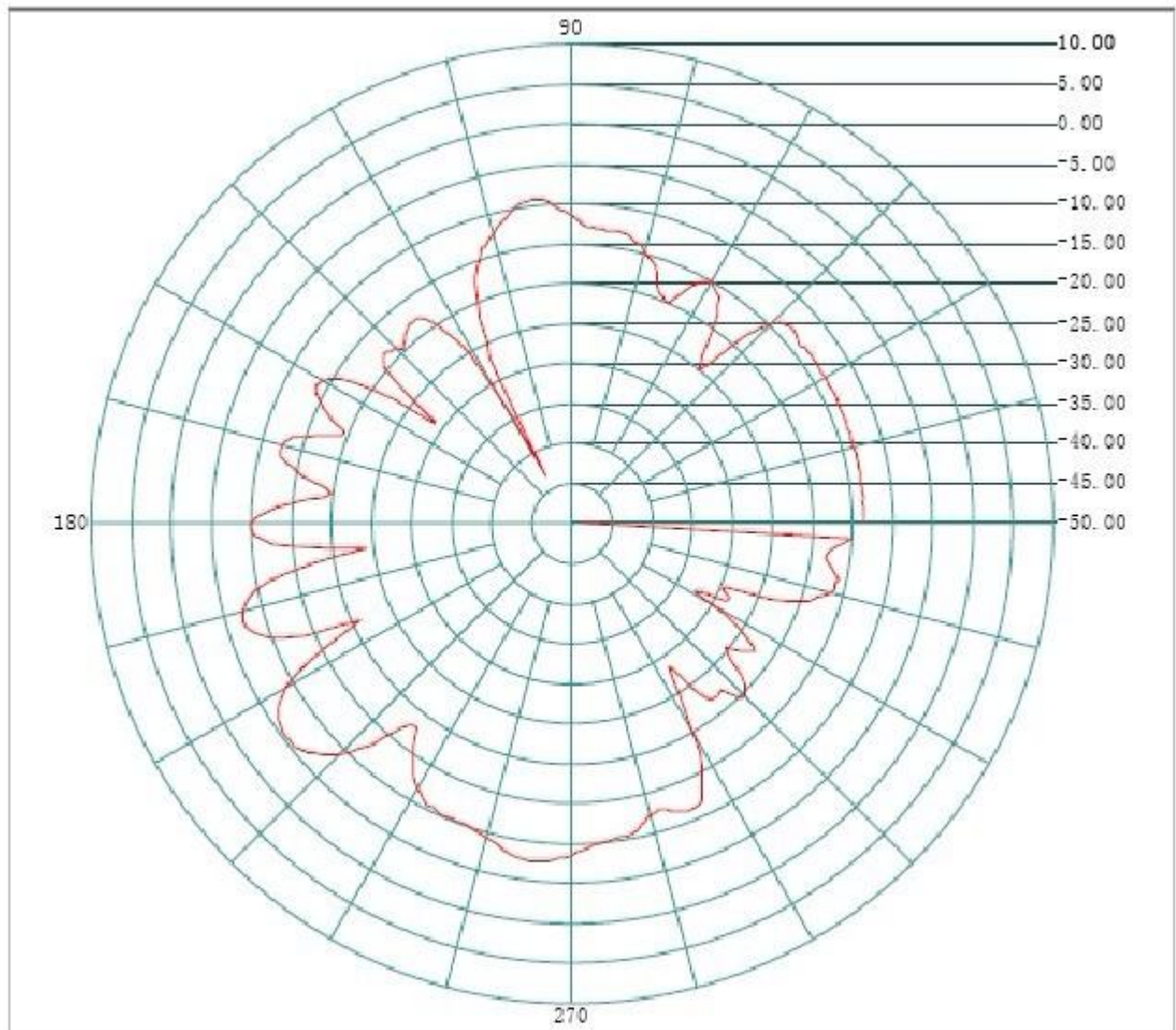
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **0.86**

Average Gain(dBi) : **-3.32**

Minimum Gain(dBi): **-53.04**

1.2 Vertical



Frequency(MHZ): **430**

Antenna Polarity: **Vertical**

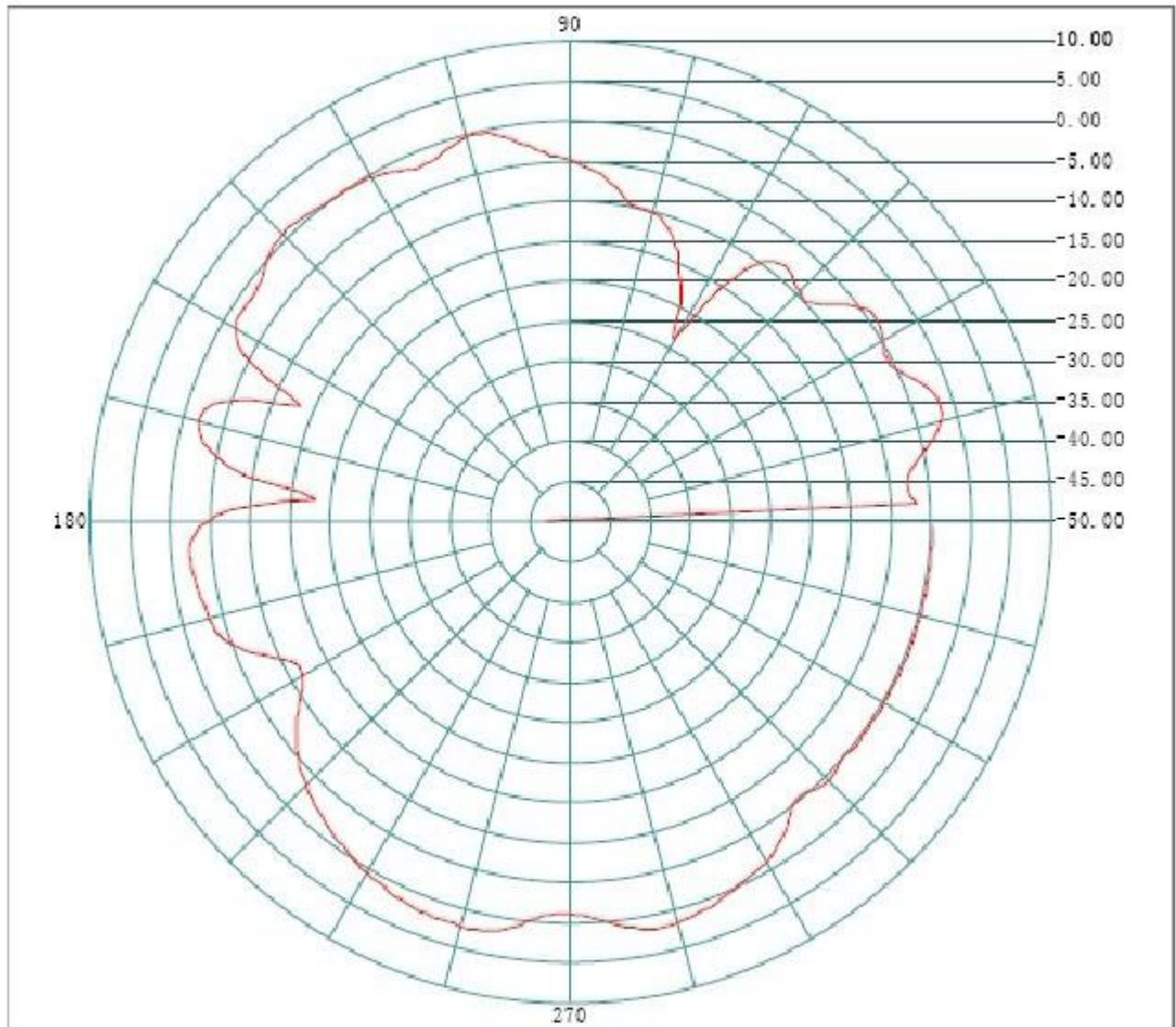
Maximum Value(dBi): **-4.01**

Average Gain(dBi) : **-6.64**

Minimum Gain(dBi): **-48.4**

2. Main antenna : 435MHz

2.1 Horizontal



Frequency(MHZ): **435**

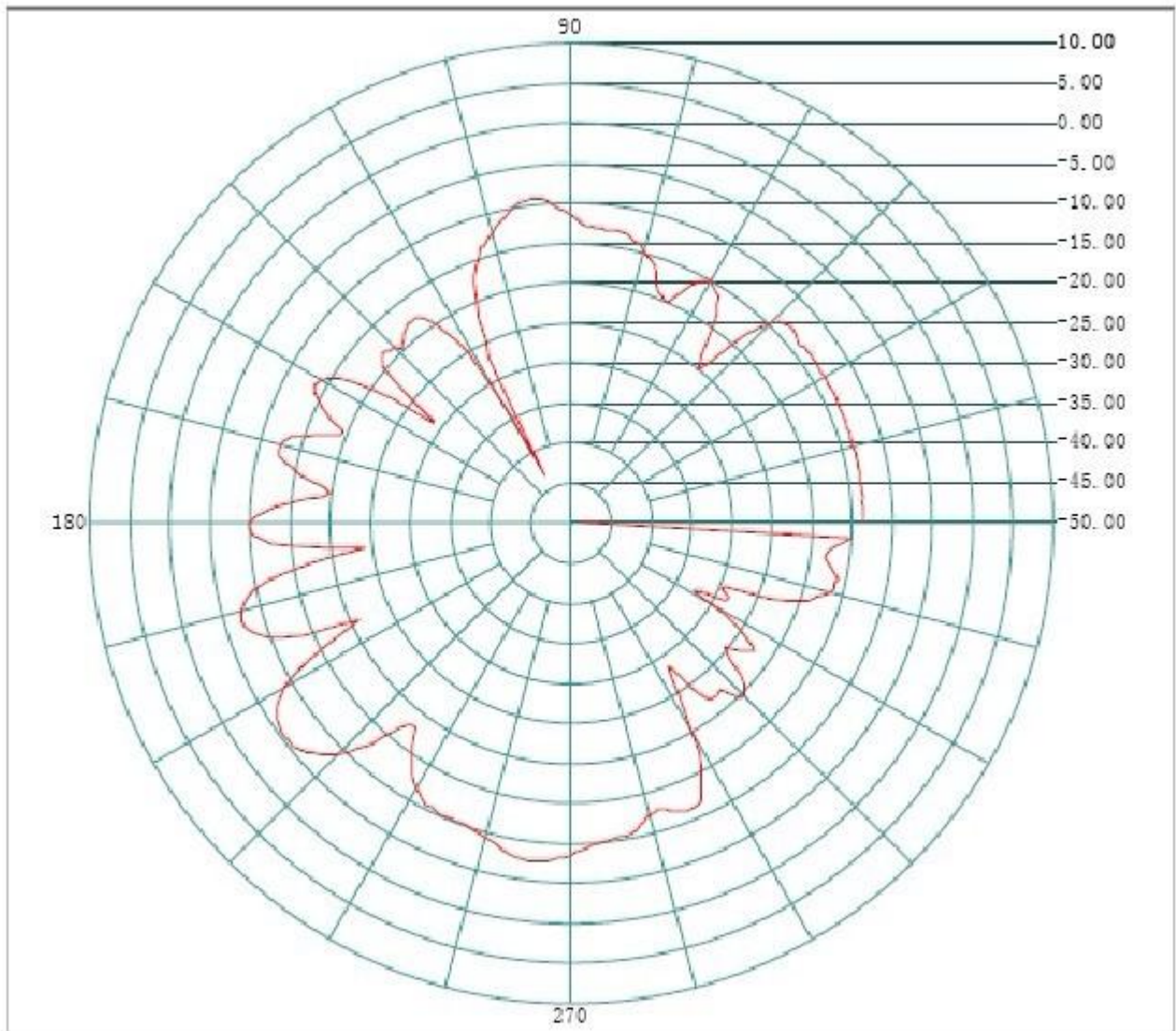
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **0.19**

Average Gain(dBi) : **-4.46**

Minimum Gain(dBi): **-55.84**

2.2 Vertical



Frequency(MHZ): **435**

Antenna Polarity: **Vertical**

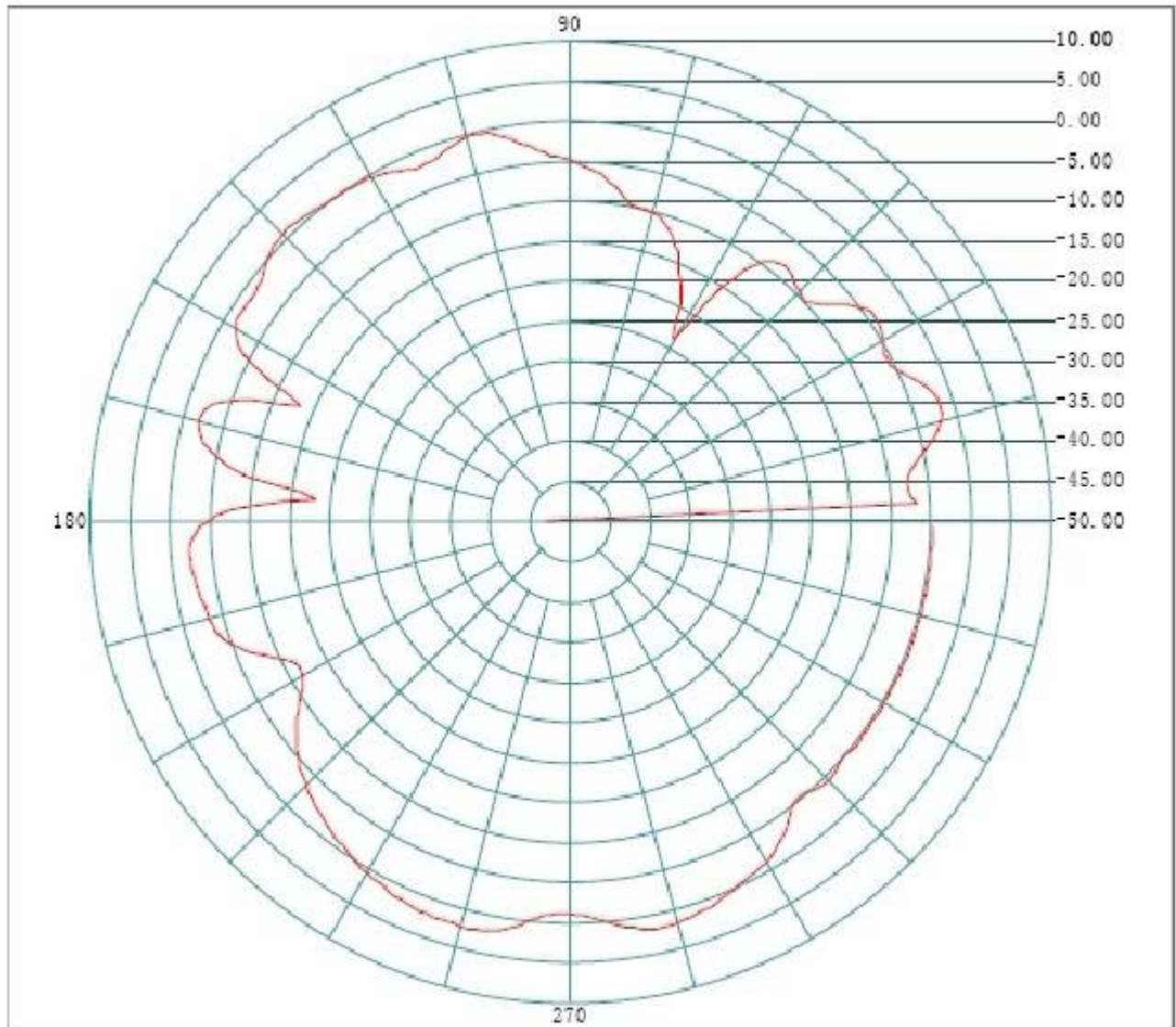
Maximum Value(dBi): **-5.14**

Average Gain(dBi) : **-7.64**

Minimum Gain(dBi): **-46.8**

3. Main antenna : 440MHz

3.1 Horizontal



Frequency(MHZ): **440**

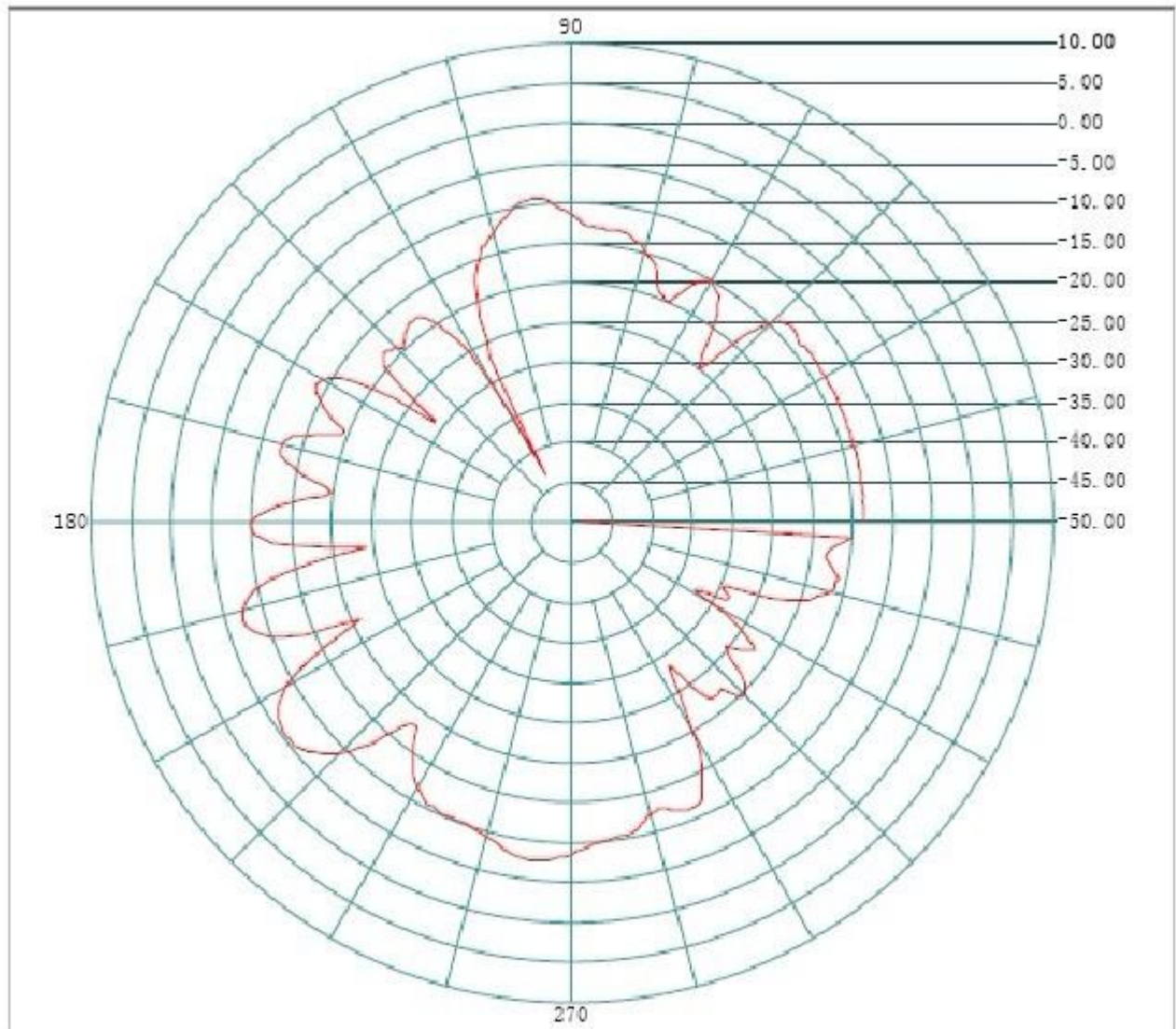
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **0.26**

Average Gain(dBi) : **-3.44**

Minimum Gain(dBi): **-54.71**

3.2 Vertical



Frequency(MHZ): **440**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **-4.38**

Average Gain(dBi) : **-6.85**

Minimum Gain(dBi): **-45.82**