

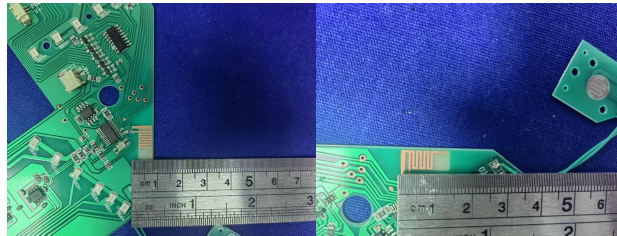
Antenna Specification

Specifications

Summary

ITEM	SPEC.
Model Name	PCB Antenna
Frequency	2400-2500 MHz
MAX. GAIN	-0.58 dBi
Polarization	Horizontal
Azimuth Beam Pattern	Omni-directional
Impedance	50 Ω

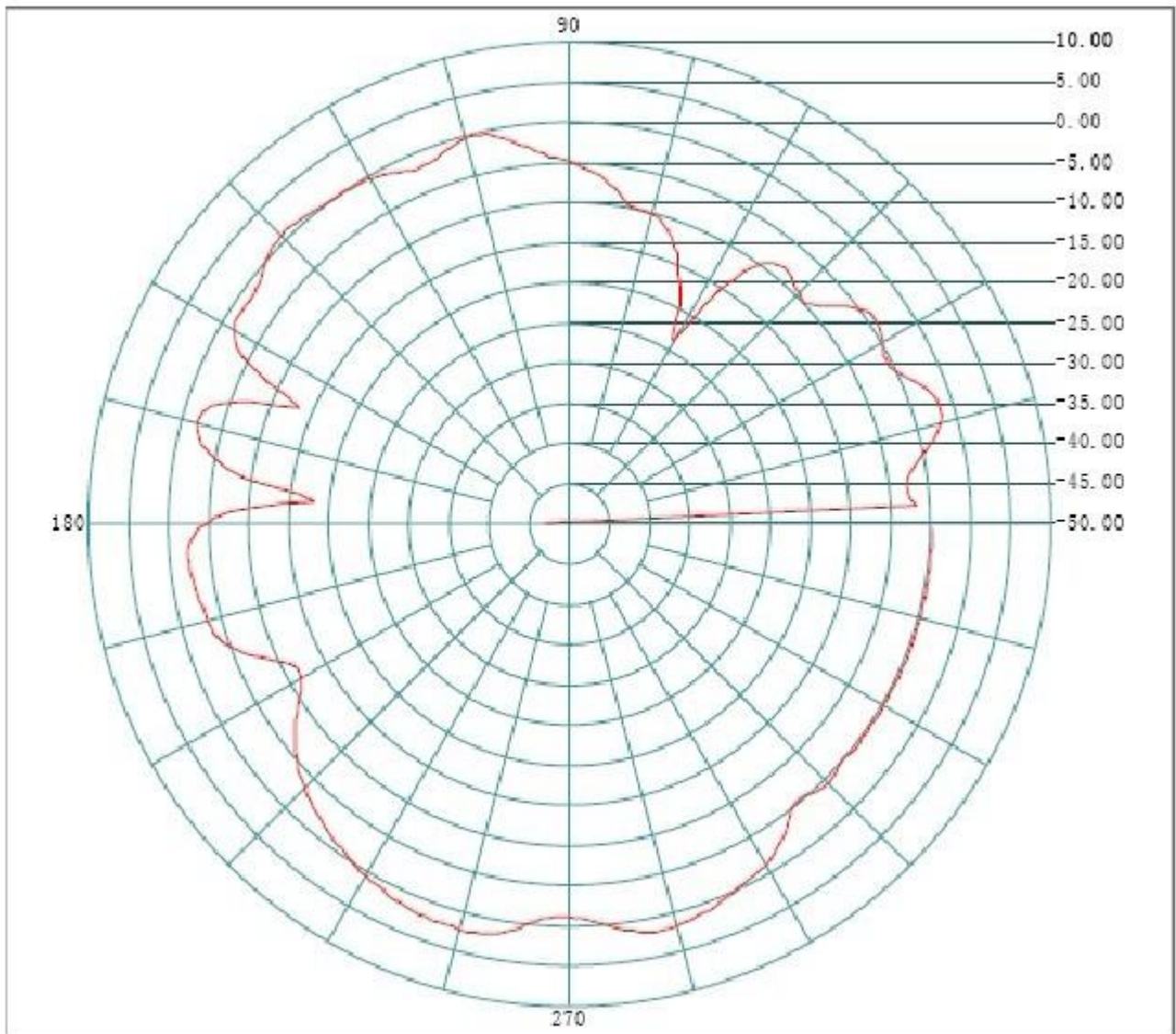
Length :13.5mm
Width:8mm



Test Date	2023-08-10
Test Instrument	vector network analyzer - R&S ZVB20
Manufacturer	SHANTOU CHENGHAI DISTRICT LE JI MENG TOYS FACTORY
Address	3rd Floor, No. 9, Lane 5 West, Huaihan Road, Longtian Village, Guangyi Subdistrict, Chenghai District, Shantou City, Guangdong Province

1. Main antenna : 2400MHz

1.1 Horizontal



Frequency(MHZ): **2441**

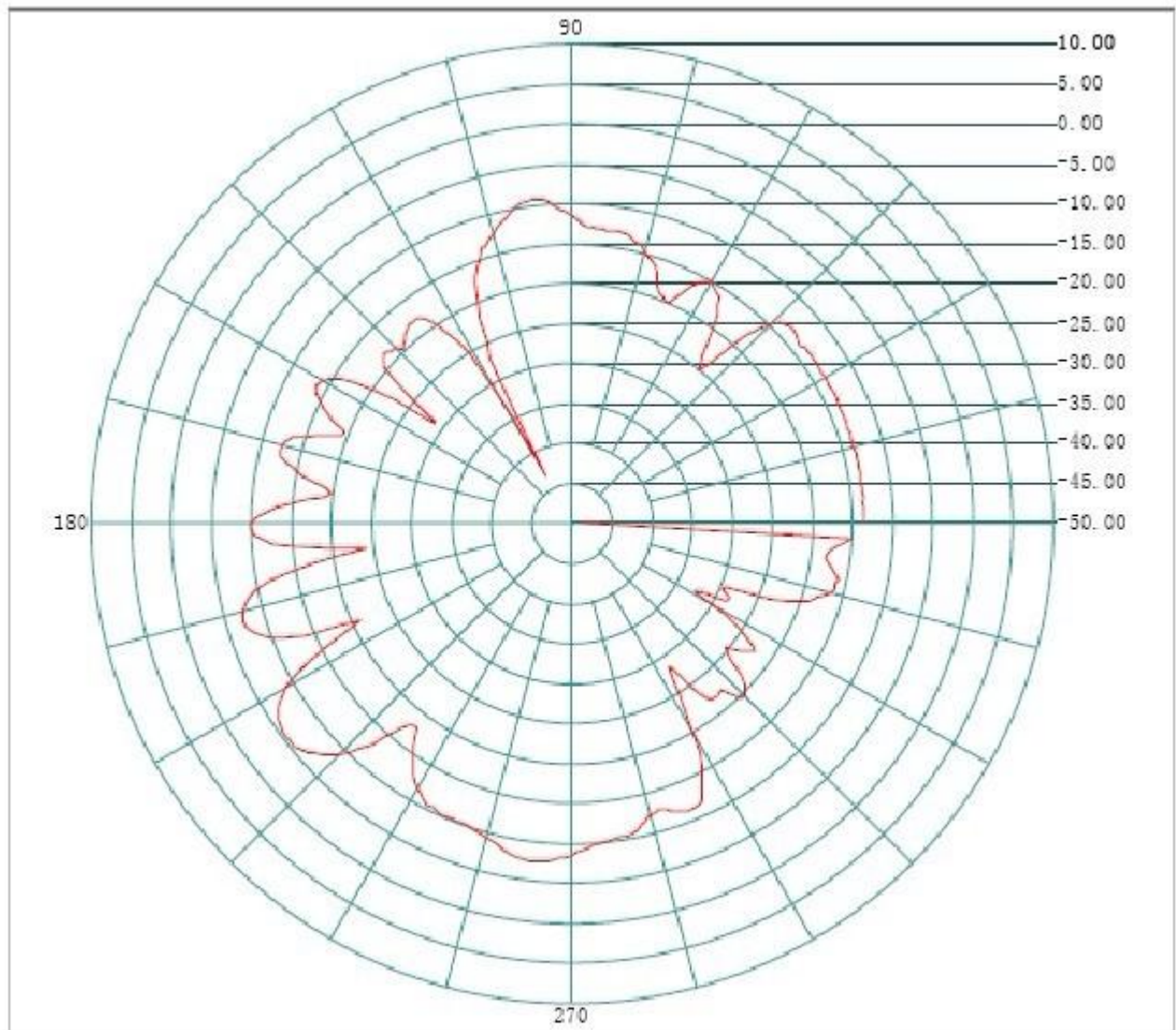
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-0.58**

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

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

1.2 Vertical



Frequency(MHZ): **2441**

Antenna Polarity: **Vertical**

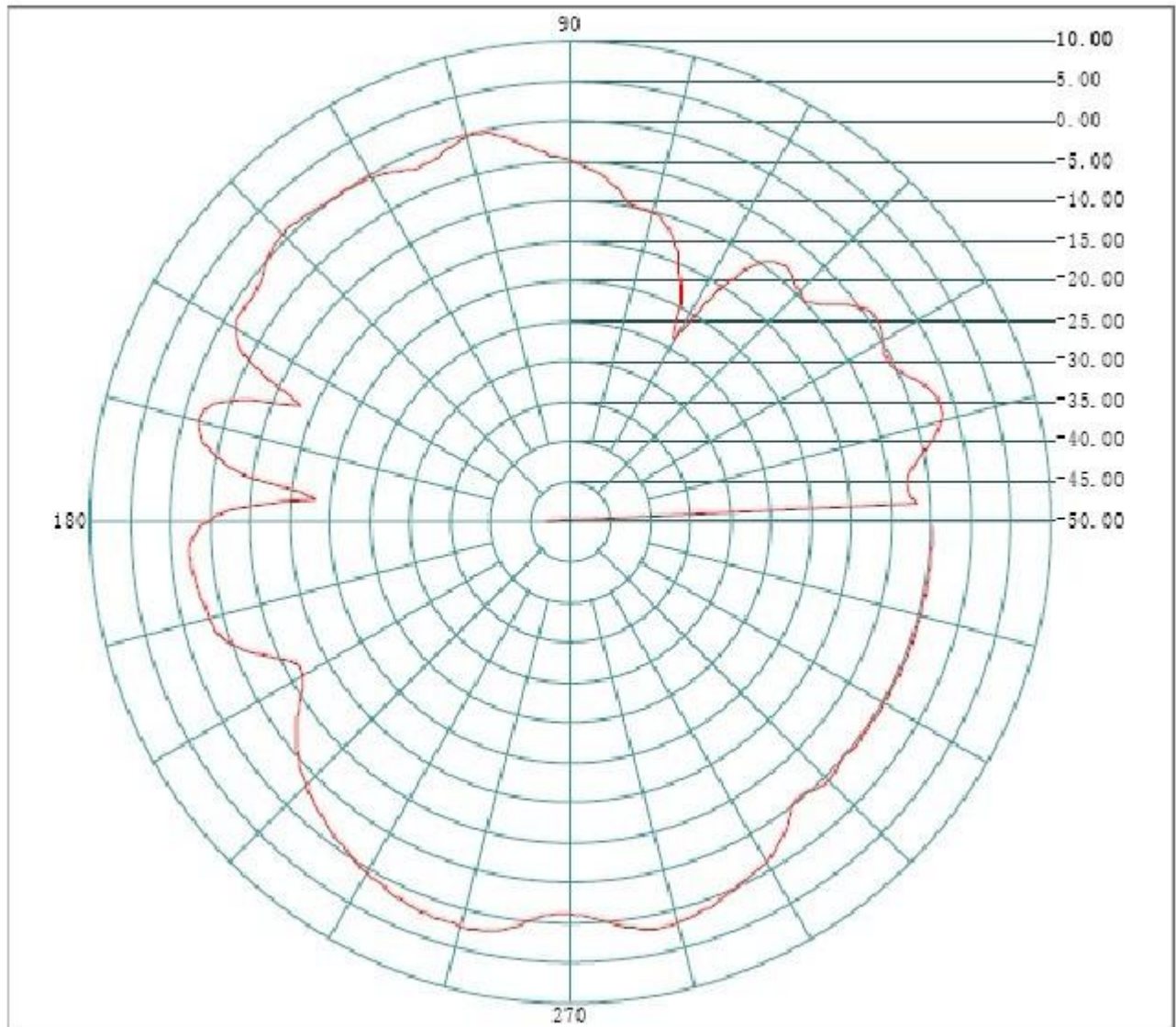
Maximum Value(dBi): **-4.01**

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

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

2. Main antenna : 2450MHz

2.1 Horizontal



Frequency(MHZ): **2441**

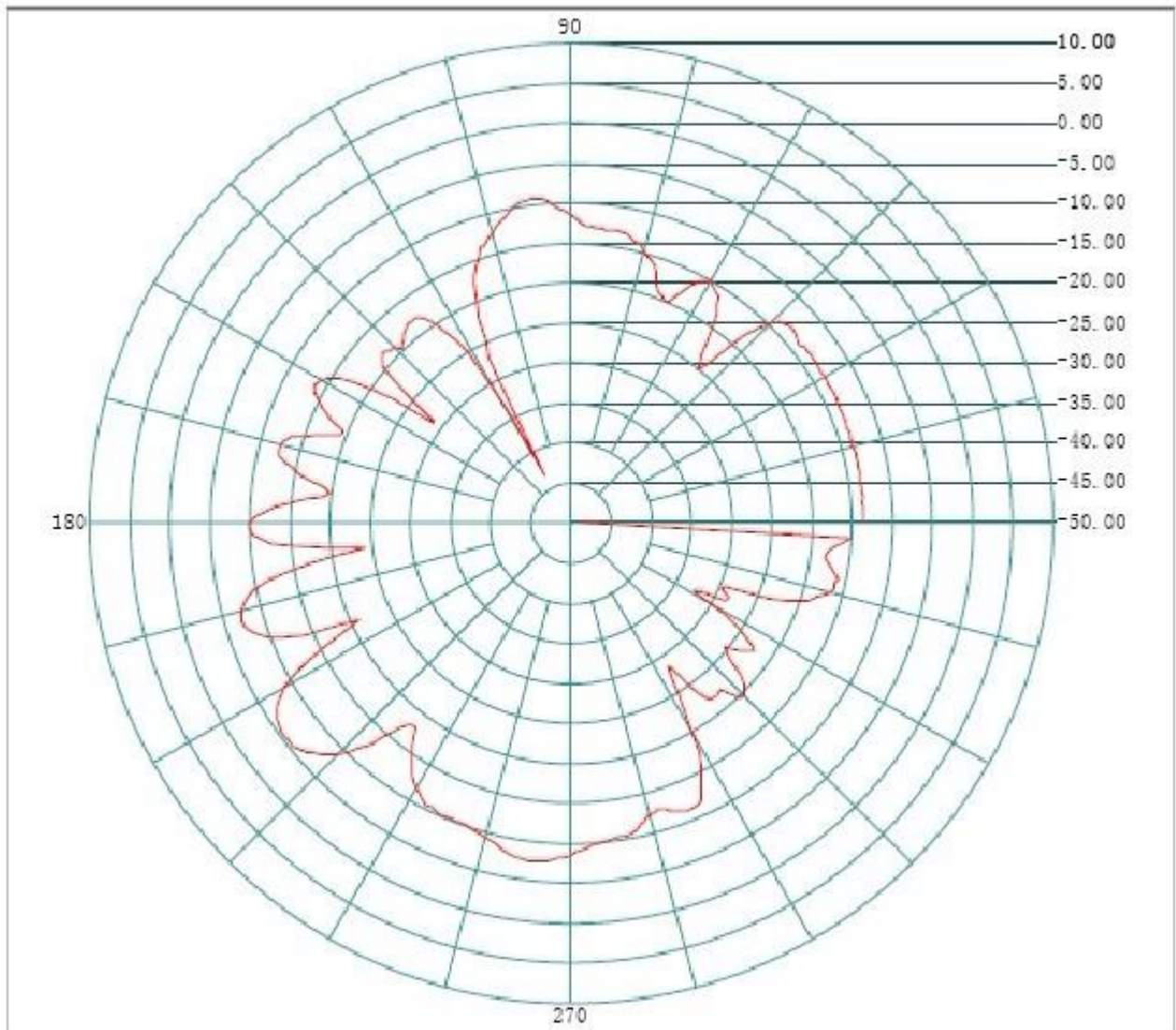
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-1.19**

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

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

2.2 Vertical



Frequency(MHZ): **2441**

Antenna Polarity: **Vertical**

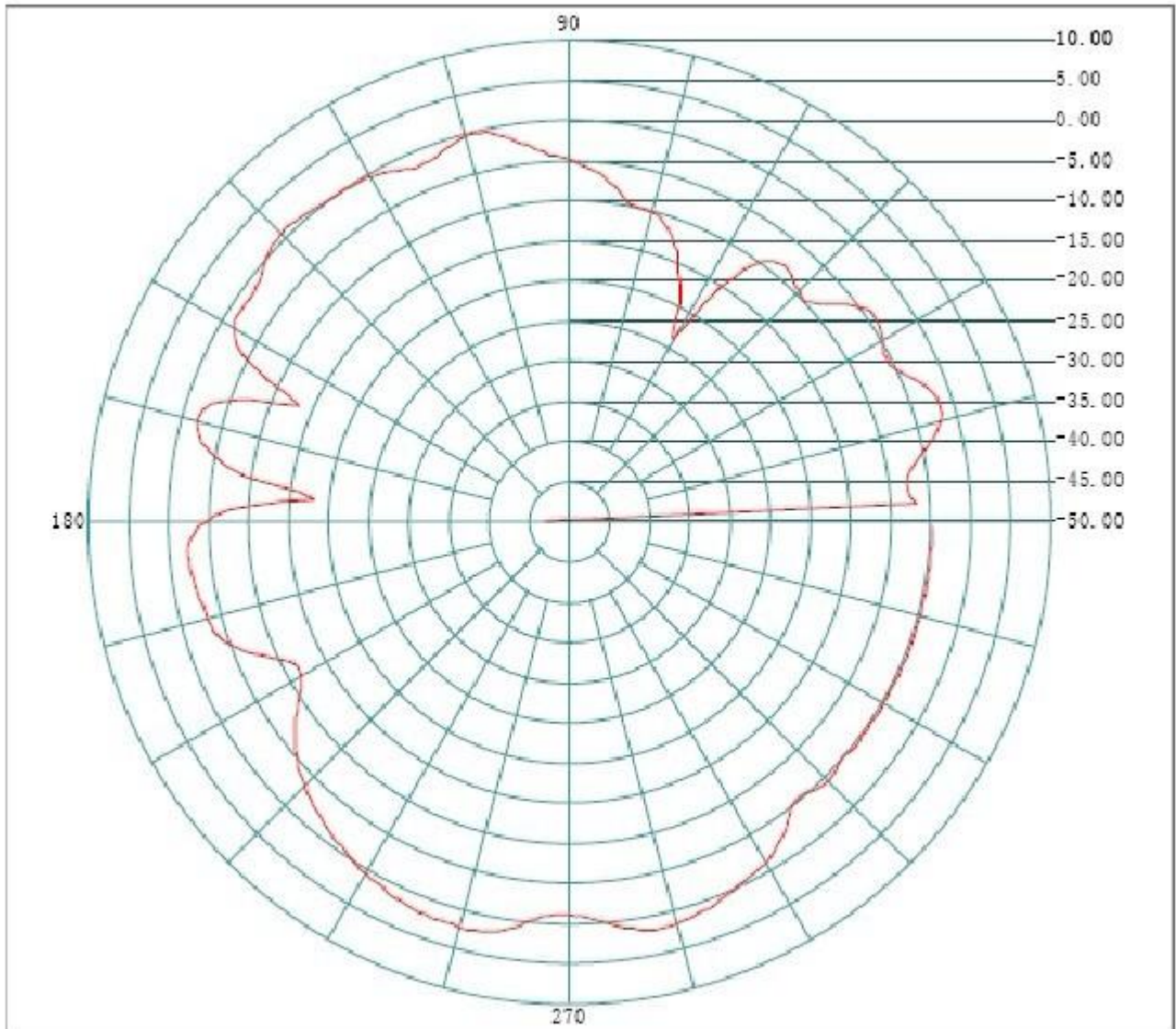
Maximum Value(dBi): **-5.14**

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

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

3. Main antenna : 2500MHz

3.1 Horizontal



Frequency(MHZ): **2441**

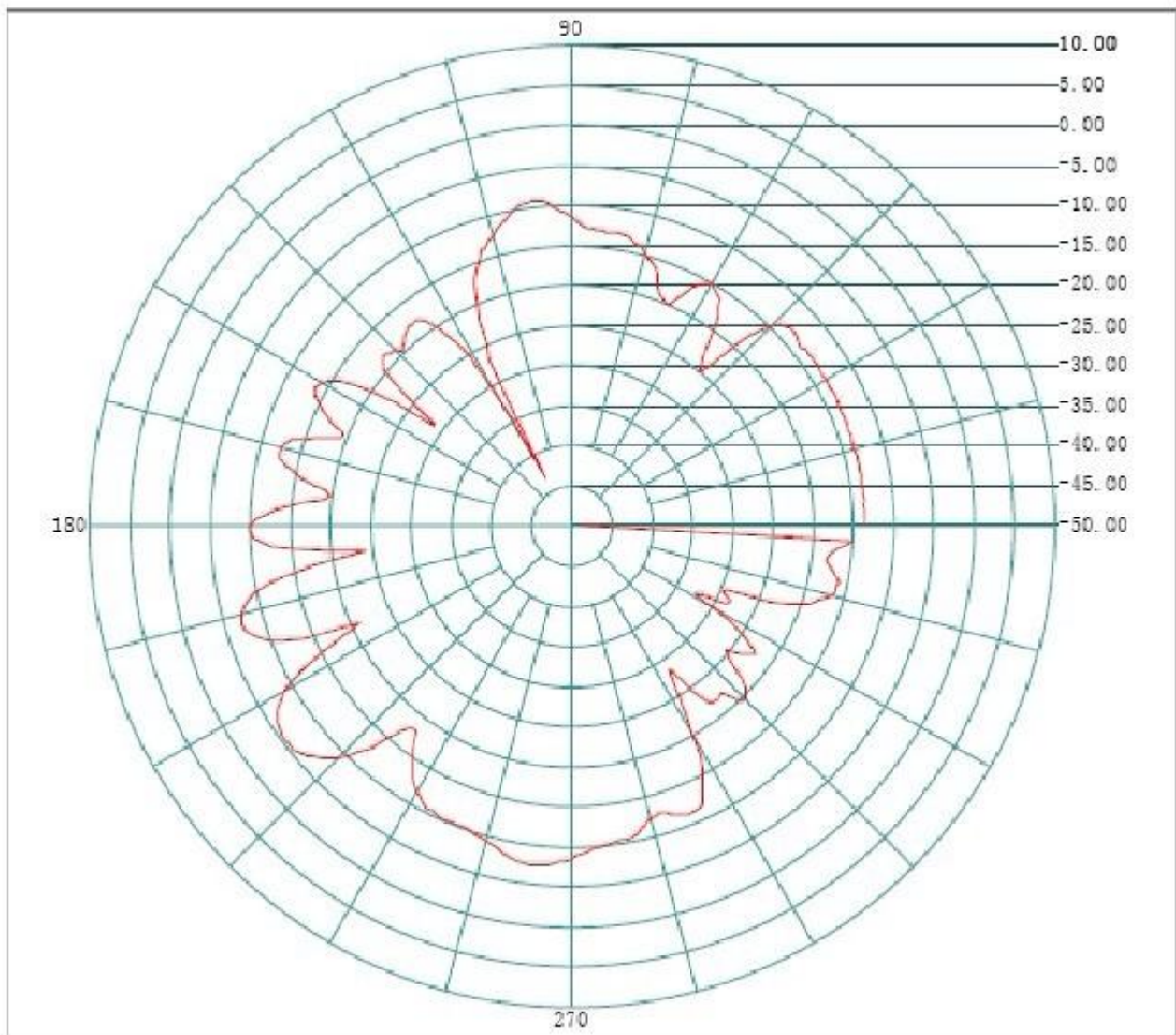
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-1.26**

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

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

3.2 Vertical



Frequency(MHZ): **2441**

Antenna Polarity: **Vertical**

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

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

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