

Antenna Specification

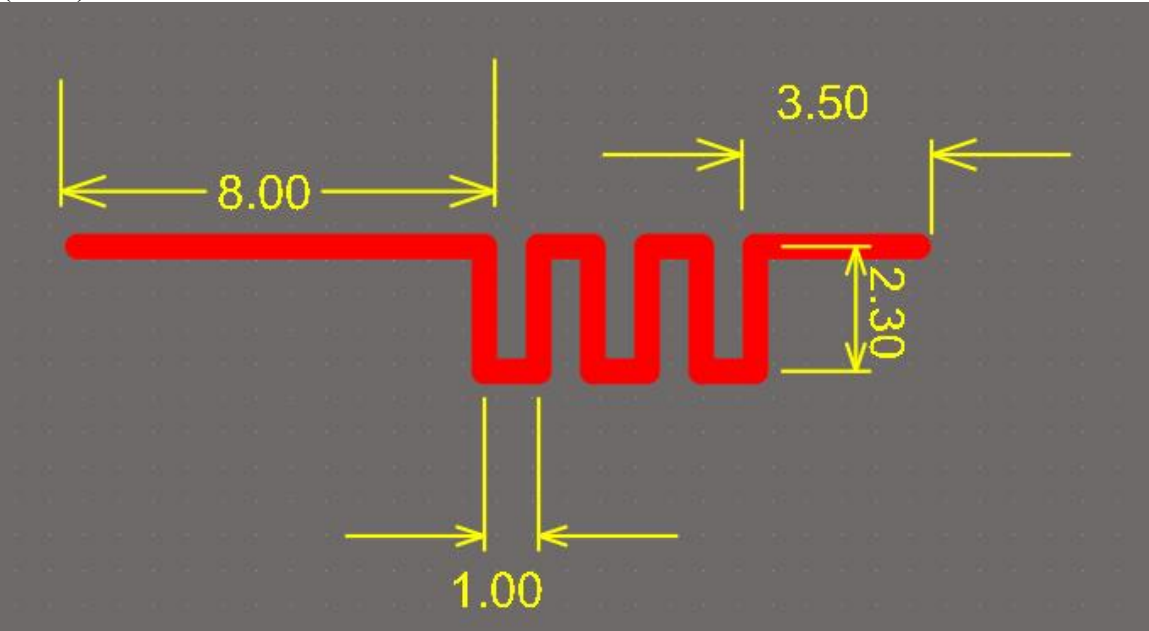
Specifications

Summary
Antenna Photo &

ITEM	SPEC.	
Antenna Type	PCB Antenna	
Center Frequency	2403 MHz	2.34 dBi
	2441 MHz	2.07 dBi
	2480 MHz	1.45 dBi
MAX. GAIN	2.34 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length	3.1 cm	
Model Name	HB320	
manufacturer	B.O.W	

Length

(mm)



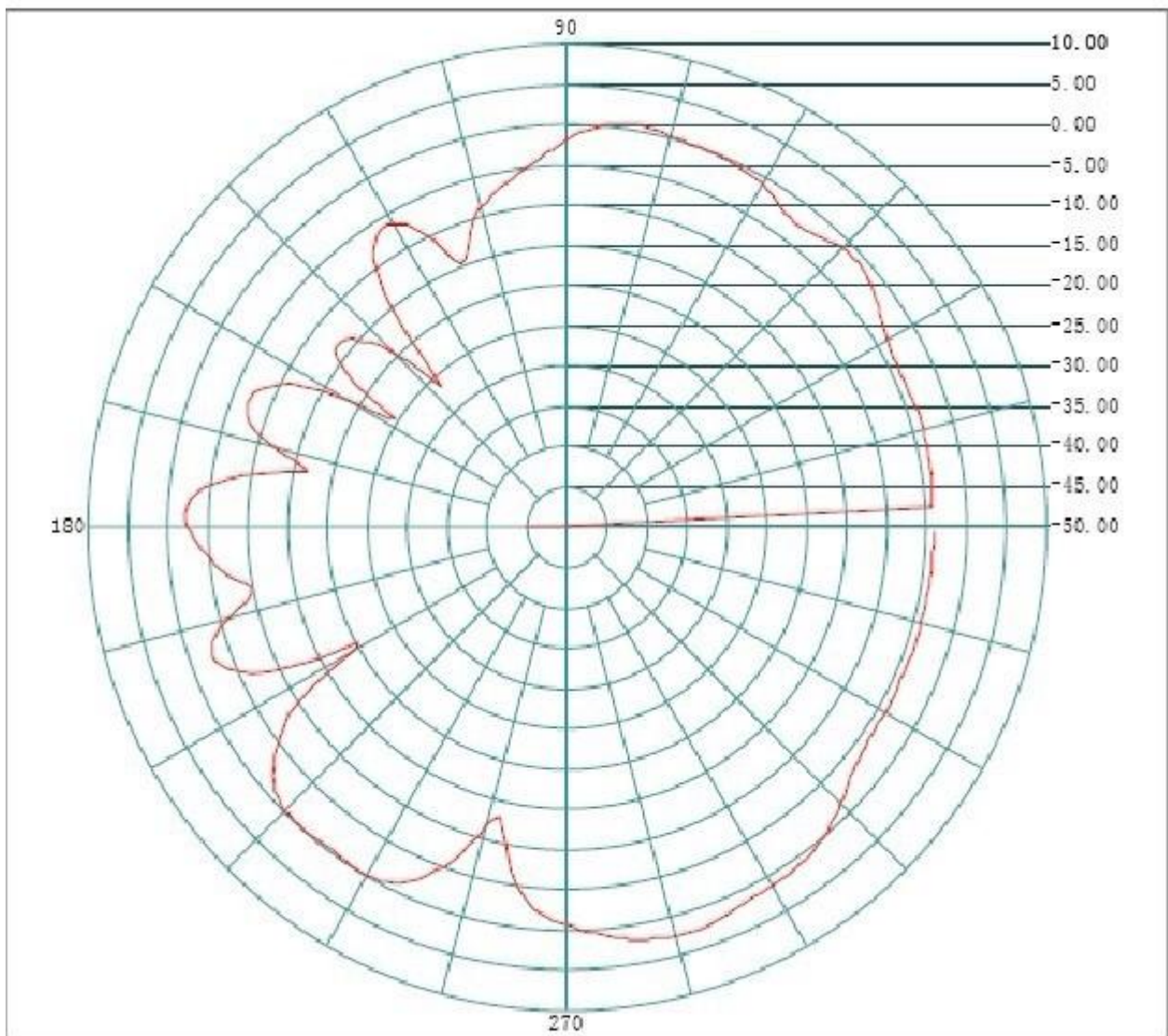
Test Address	16 Tzu Chiang Road, Hsinchu Industrial District Hsinchu Hsien 303 , Taiwan
Test Date	2019-10-11
Test Instrument	vector network analyzer - R&S ZVB20

1. Main antenna : 2403 MHz

1.1 Horizontal

SHENZHEN SEENDA TECHNOLOGY CO.,LTD.

#3402-3405,3410-3411,Building B,Longhua District Digital Innovation Center (HongRongYuan BeiZhanZhongXin),Beizhan Community,Minzhi Street,Longhua District,Shenzhen



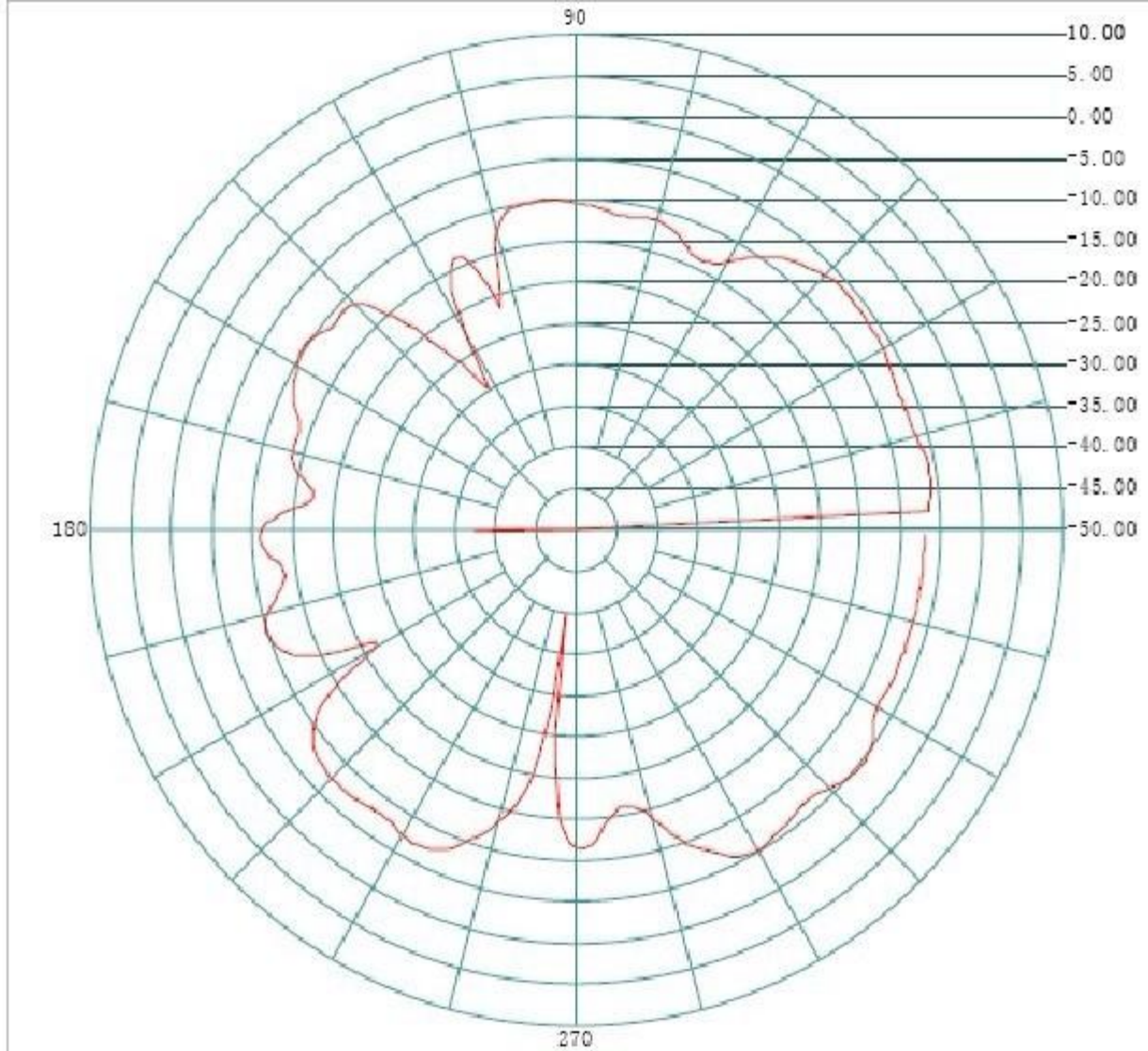
Frequency(MHZ): **2403** Antenna Polarity: **Horizontal**

Maximum Value(dBi): **2.34**

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

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

1.2 Vertical



Frequency(MHZ): **2403** Antenna Polarity: **Vertical**

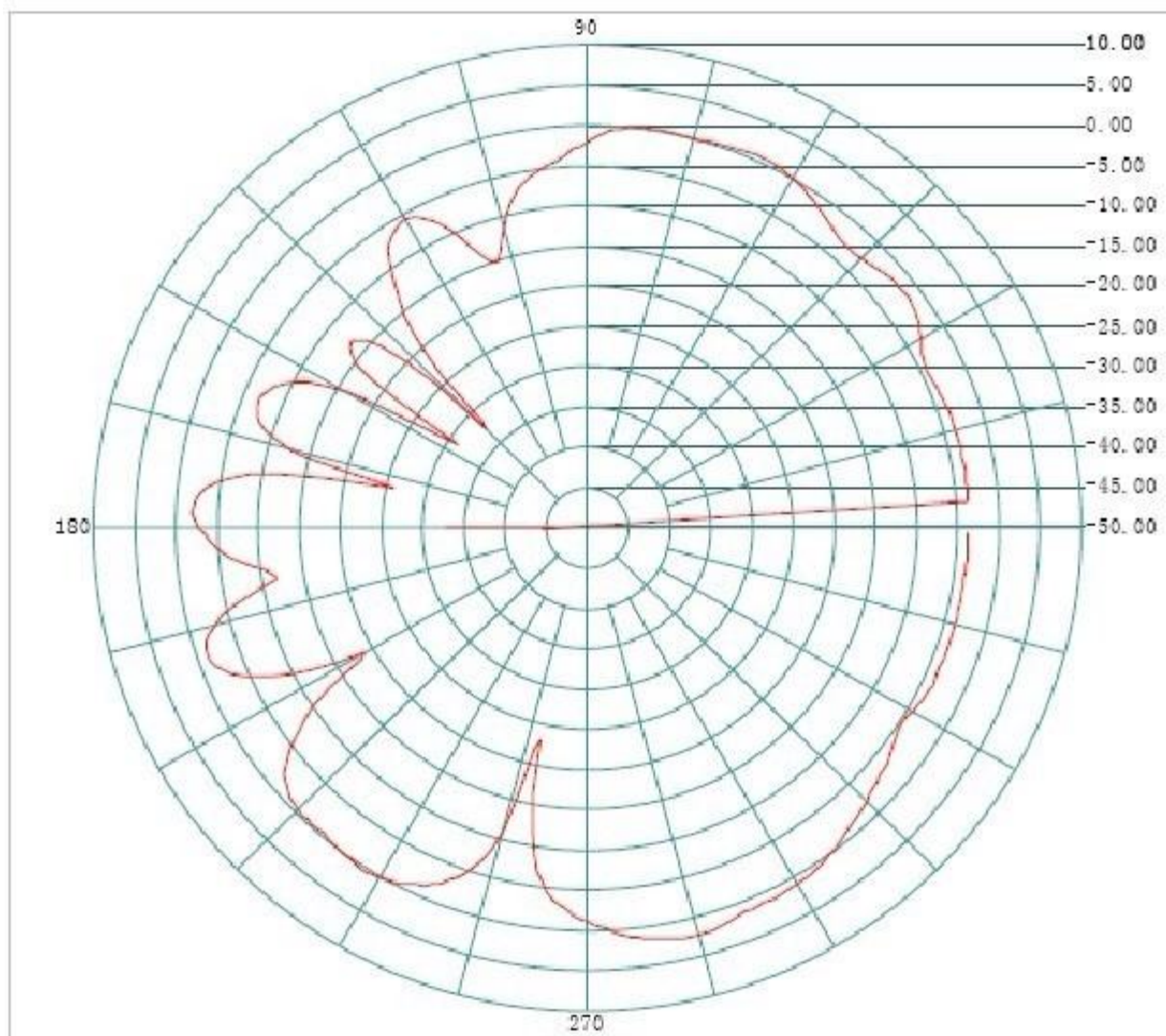
Maximum Value(dBi): **-4.51**

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

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

2. Main antenna : 2441 MHz

2.1 Horizontal



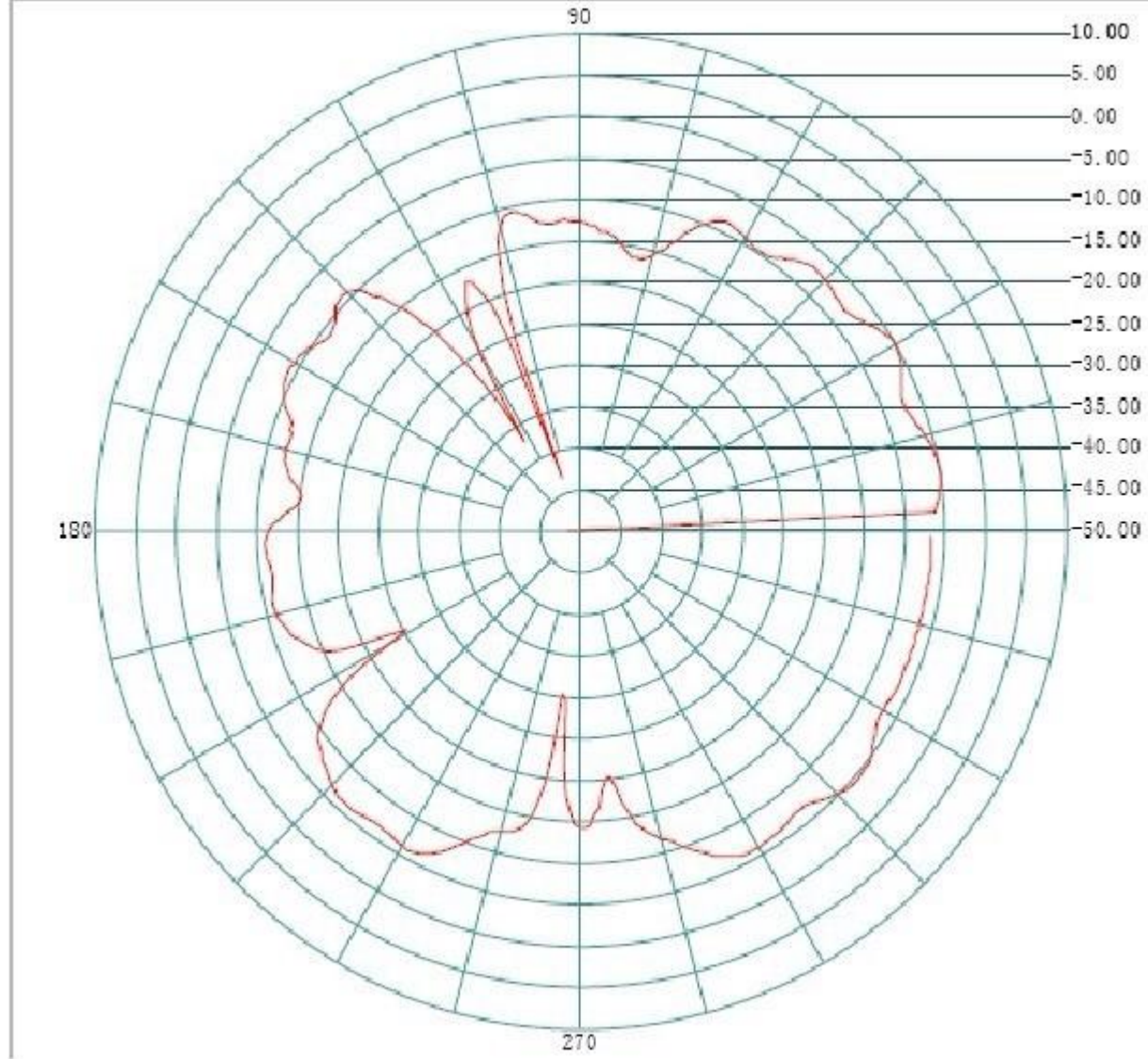
Frequency(MHZ): **2441** Antenna Polarity: **Horizontal**

Maximum Value(dBi): 2.07

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

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

2.2 Vertical



Frequency(MHZ): **2441** Antenna Polarity: **Vertical**

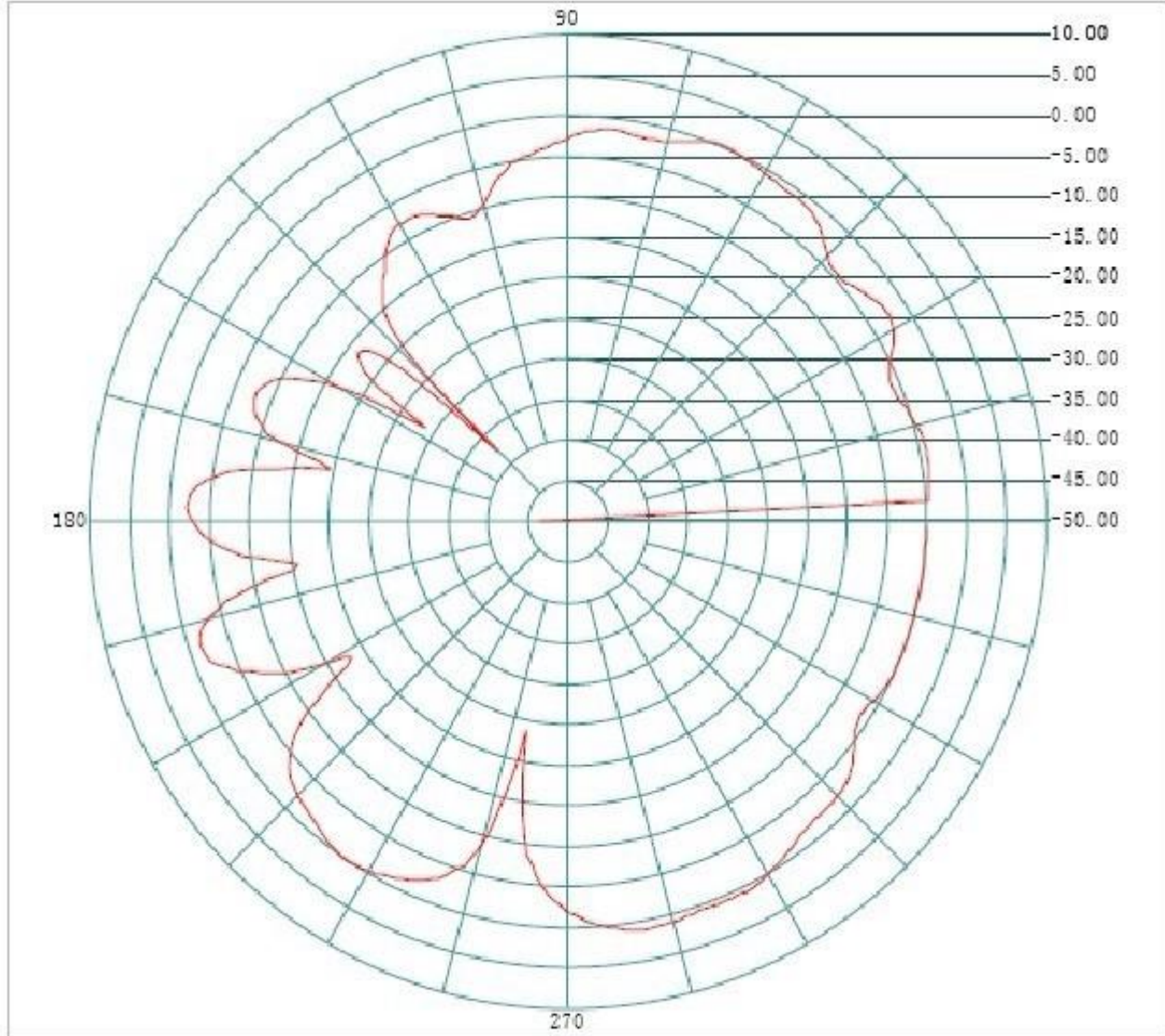
Maximum Value(dBi): **-4.29**

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

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

2. Main antenna : 2480 MHz

2.1 Horizontal



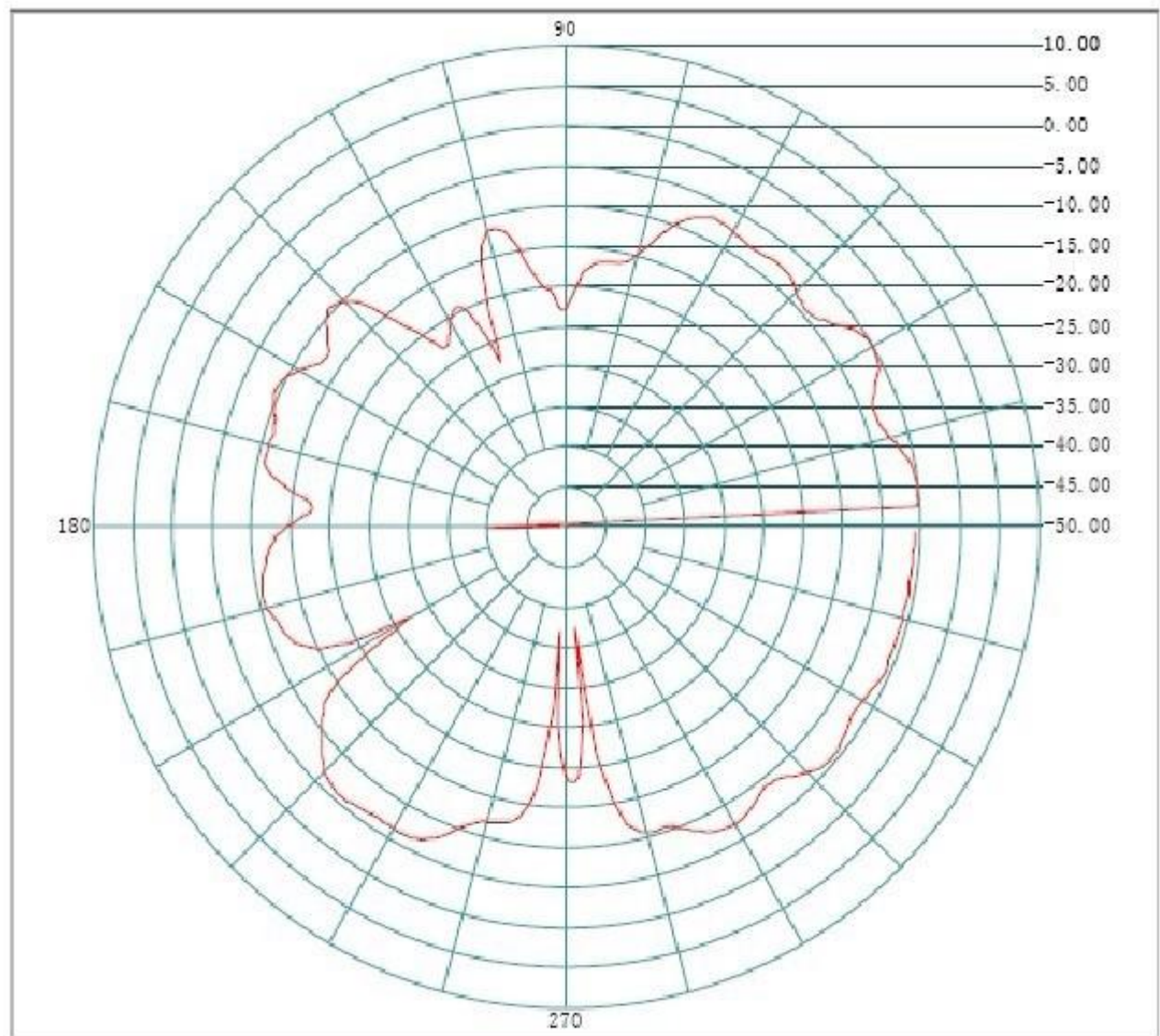
Frequency(MHZ): **2480** Antenna Polarity: **Horizontal**

Maximum Value(dBi): **1.45**

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

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

2.2 Vertical



Frequency(MHZ): **2480** Antenna Polarity: **Vertical**

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

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

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