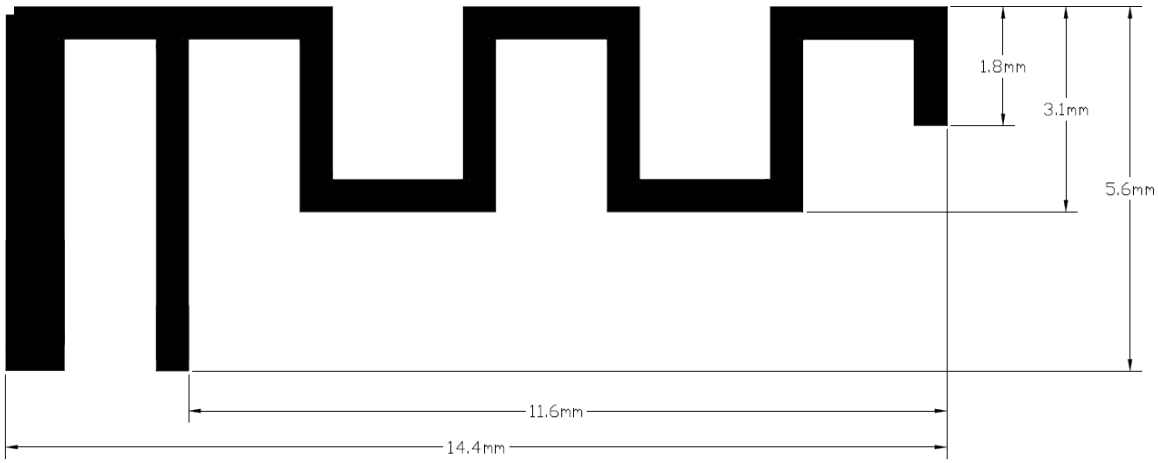
Antenna Specification

Specifications

Summary

ITEM	SPEC.	
Model Name	IBM 2.4 GHz	
Center Frequency	2402 MHz 2441 MHz 2480 MHz	2.90 dBi 2.57dBi 2.45 dBi
MAX. GAIN	2.90 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length	1.44mm	

Antenna Photo & Length (mm)

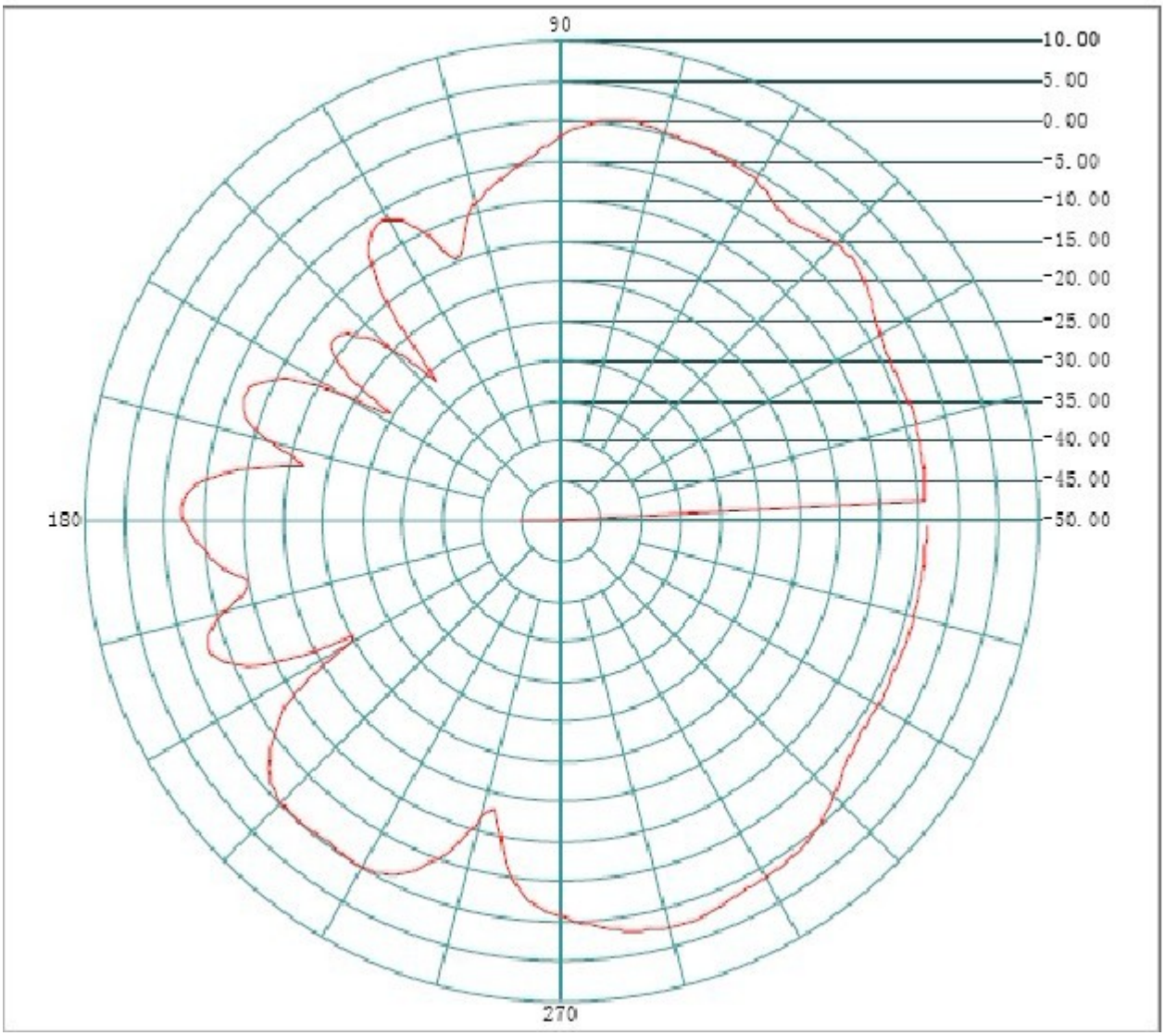


Test Date **2024-07-19**

Test Instrument **vector network analyzer - R&S ZVB20**

1. Main antenna : 2402 MHz

1.1 Horizontal



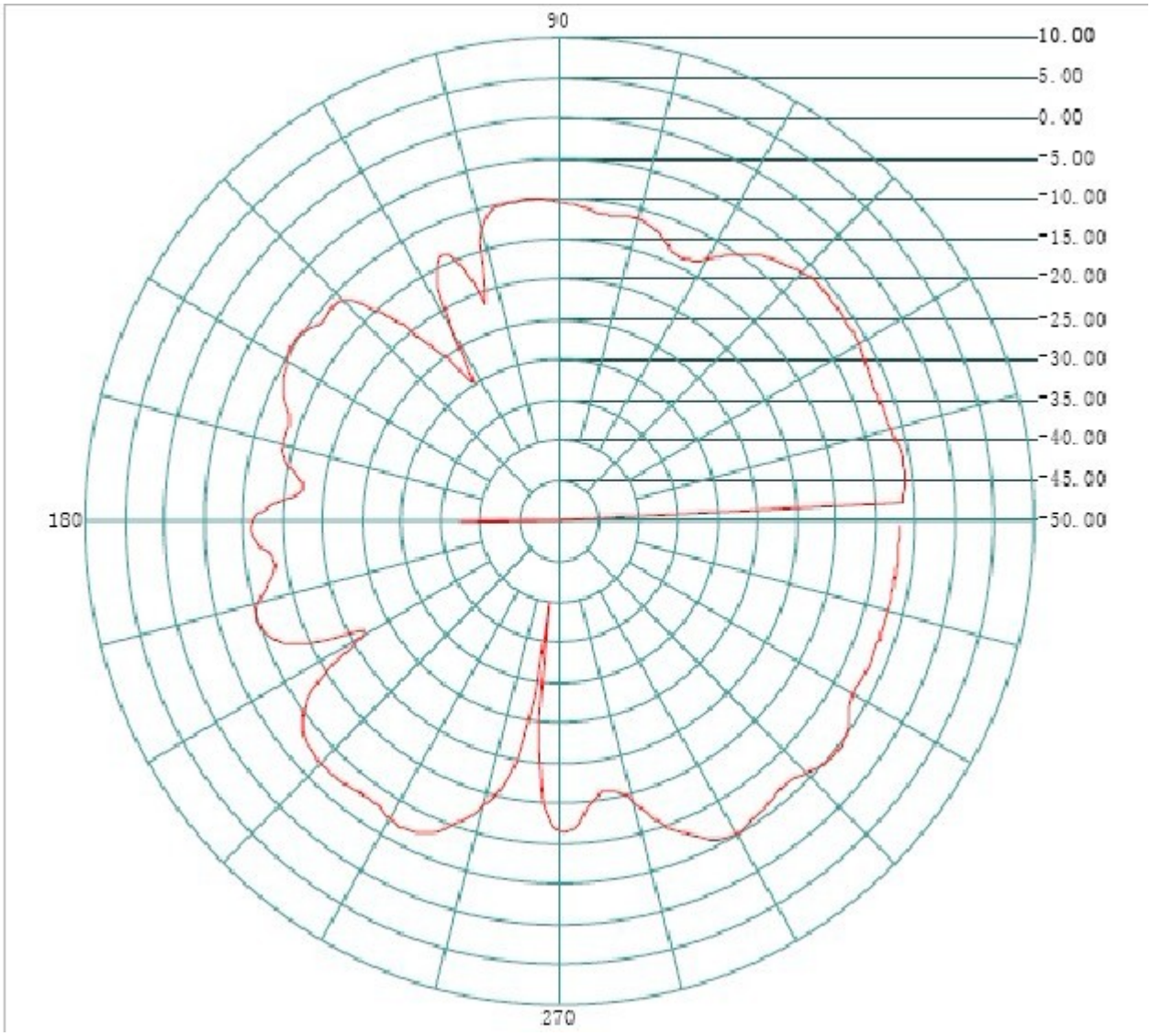
Frequency(MHZ): **2402** Antenna Polarity: **Horizontal**

Maximum Value(dBi): **2. 90**

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

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

1.2 Vertical



Frequency(MHZ): **2402** Antenna Polarity: **Vertical**

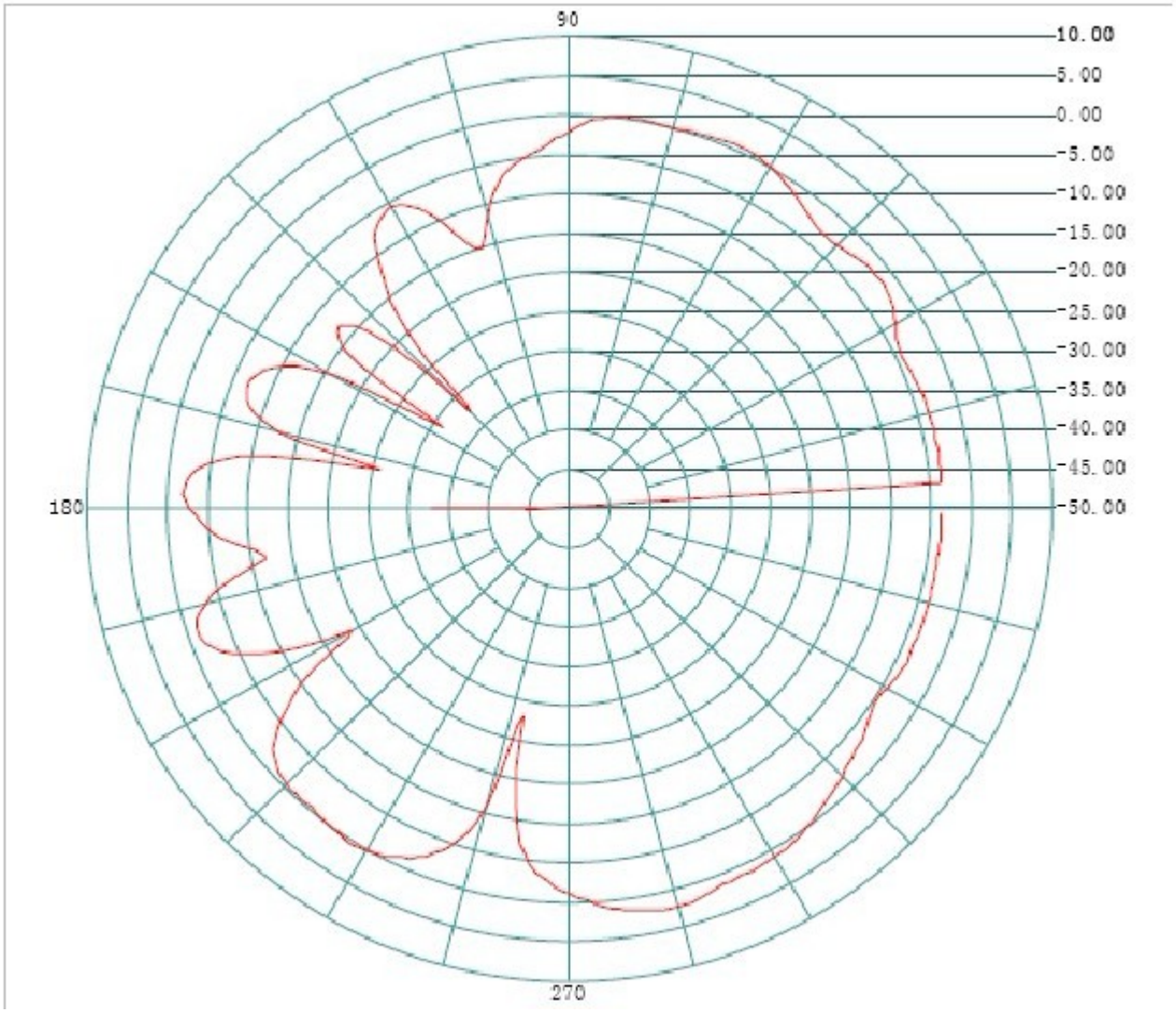
Maximum Value(dBi): **-4.37**

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

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

2. Main antenna : 2441 MHz

2.1 Horizontal



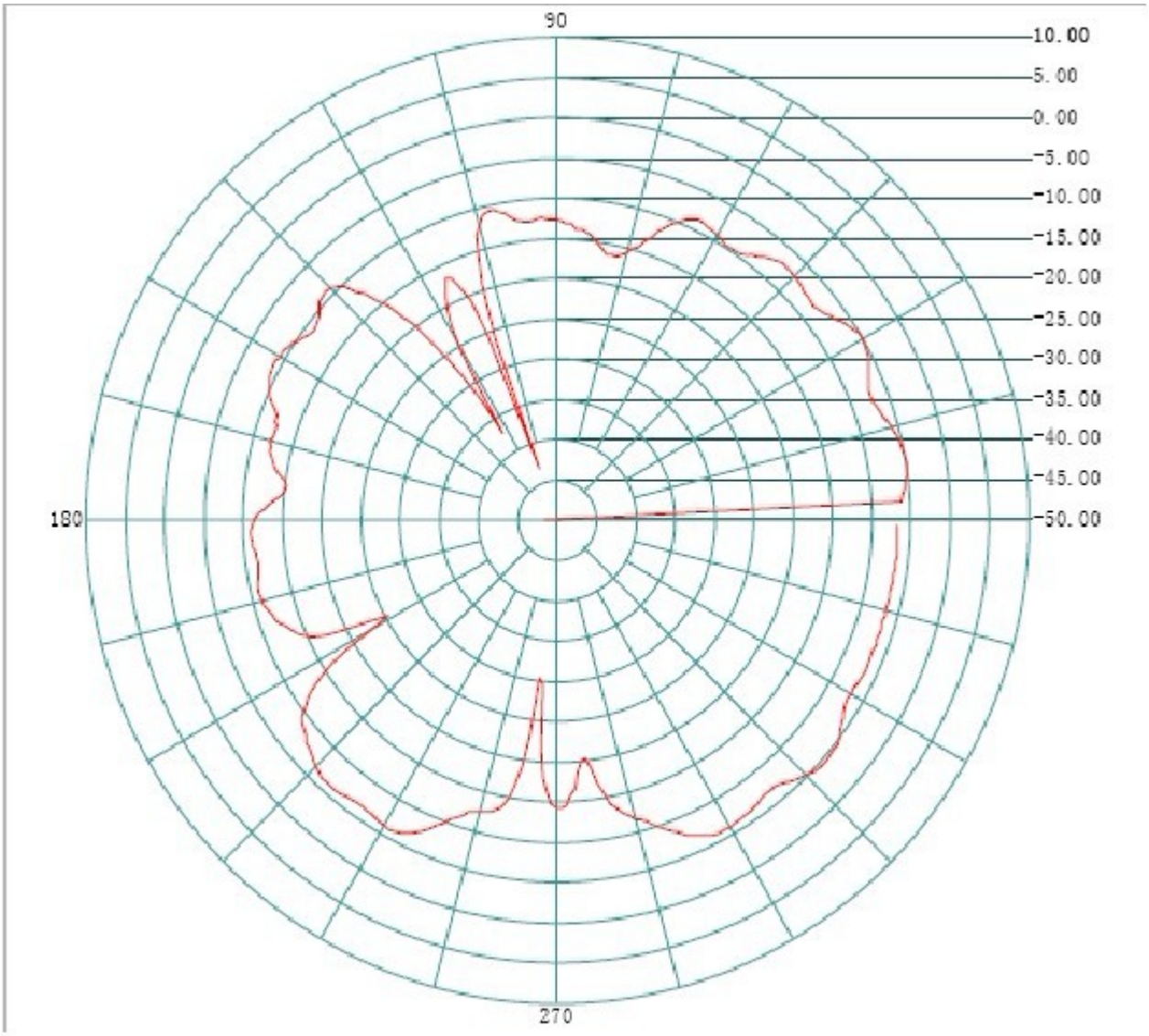
Frequency(MHZ): **2441** Antenna Polarity: **Horizontal**

Maximum Value(dBi): 2.57

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

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

2.2 Vertical



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

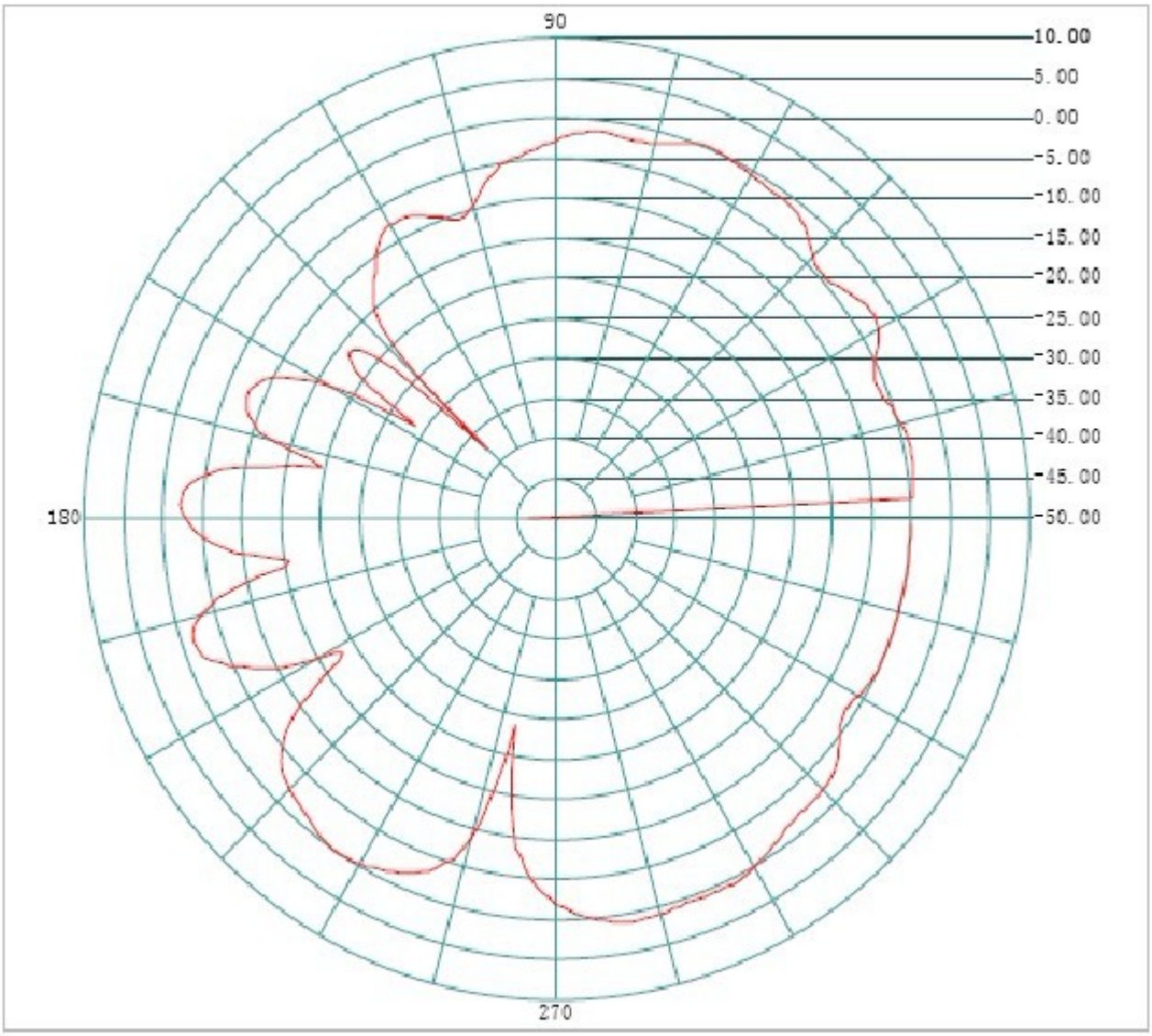
Maximum Value(dBi): **-4.29**

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

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

2. Main antenna : 2480 MHz

2.1 Horizontal



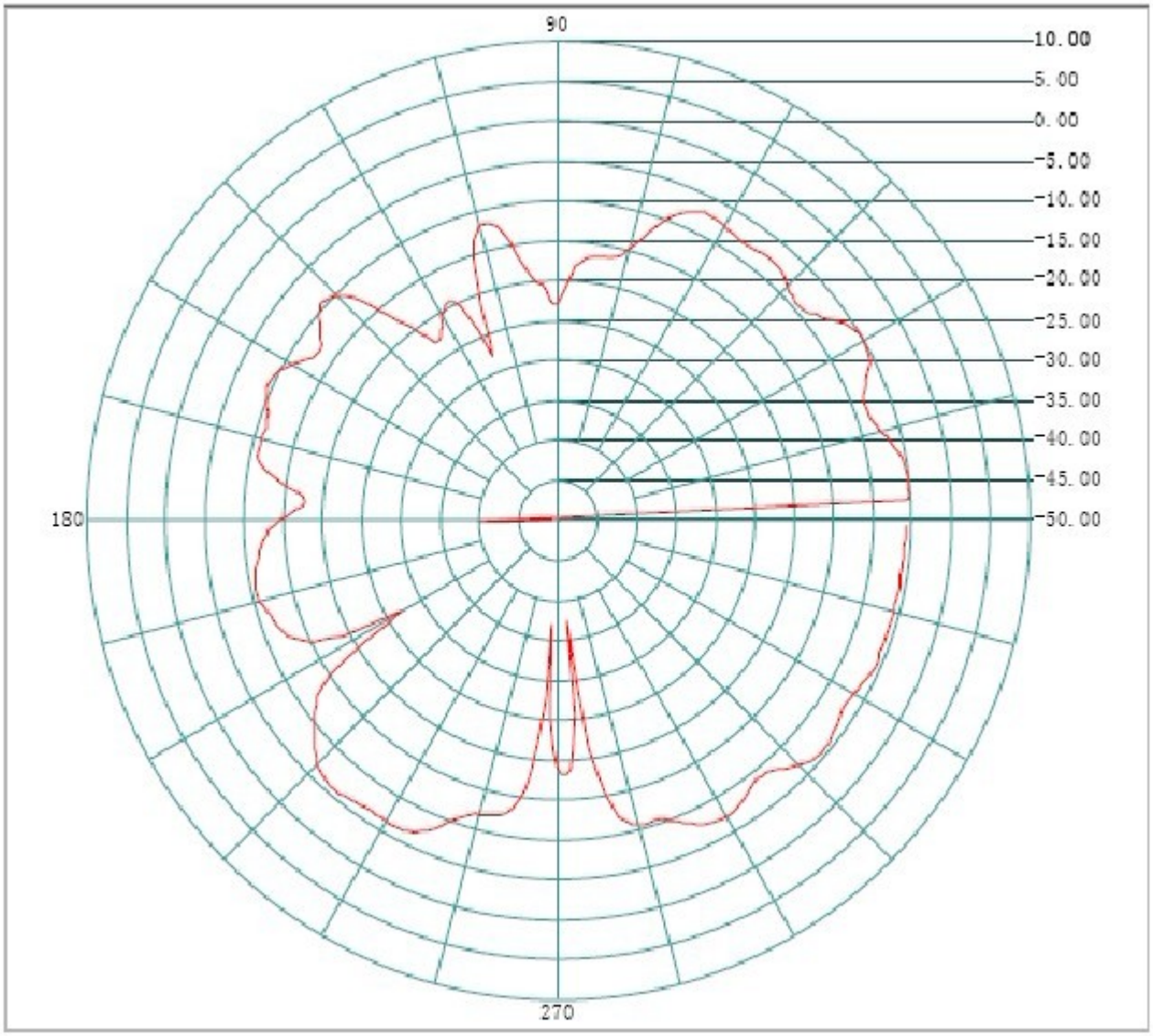
Frequency(MHZ): **2480** Antenna Polarity: **Horizontal**

Maximum Value(dBi): **2.45**

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**