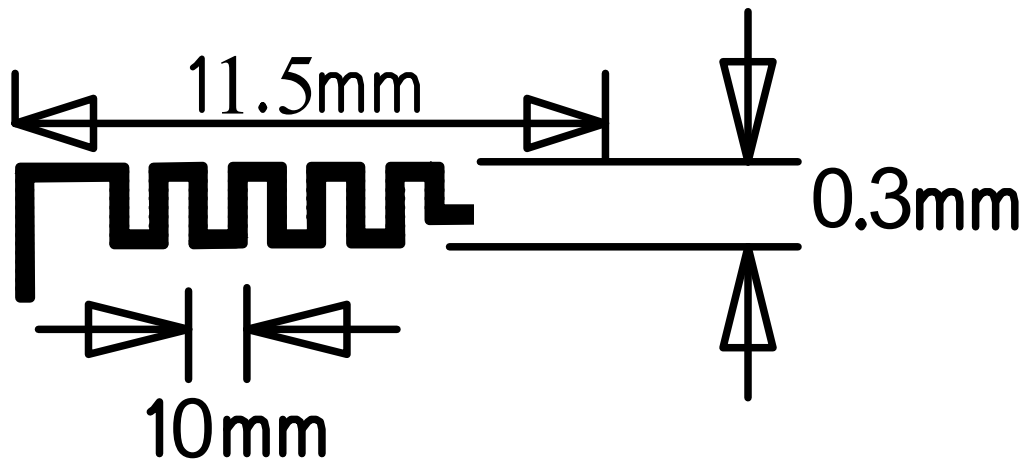


Antenna Specification

Specifications Summary

ITEM	SPEC.	
Model Name	IBM 2.4 GHz	
Center Frequency	2402 MHz	-8.84 dBi
	2441 MHz	-6.67dBi
	2480 MHz	-6.17 dBi
MAX. GAIN	-6.17dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length	3.1cm	

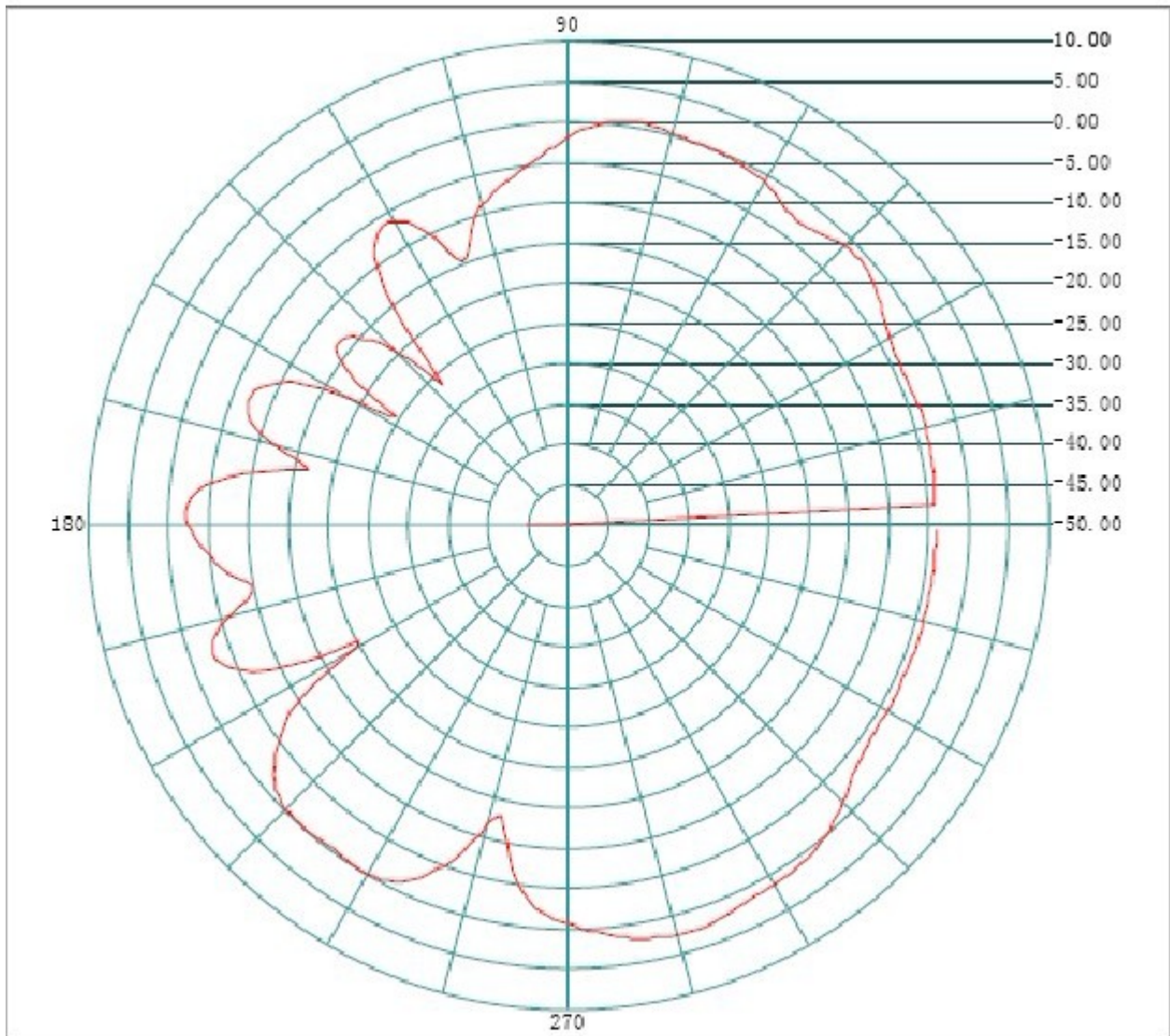
Antenna Photo & Length (mm)



Test Date 2022-08-09
Test Instrument vector network analyzer - R&S ZVB20

1. Main antenna : 2402 MHz

1.1 Horizontal



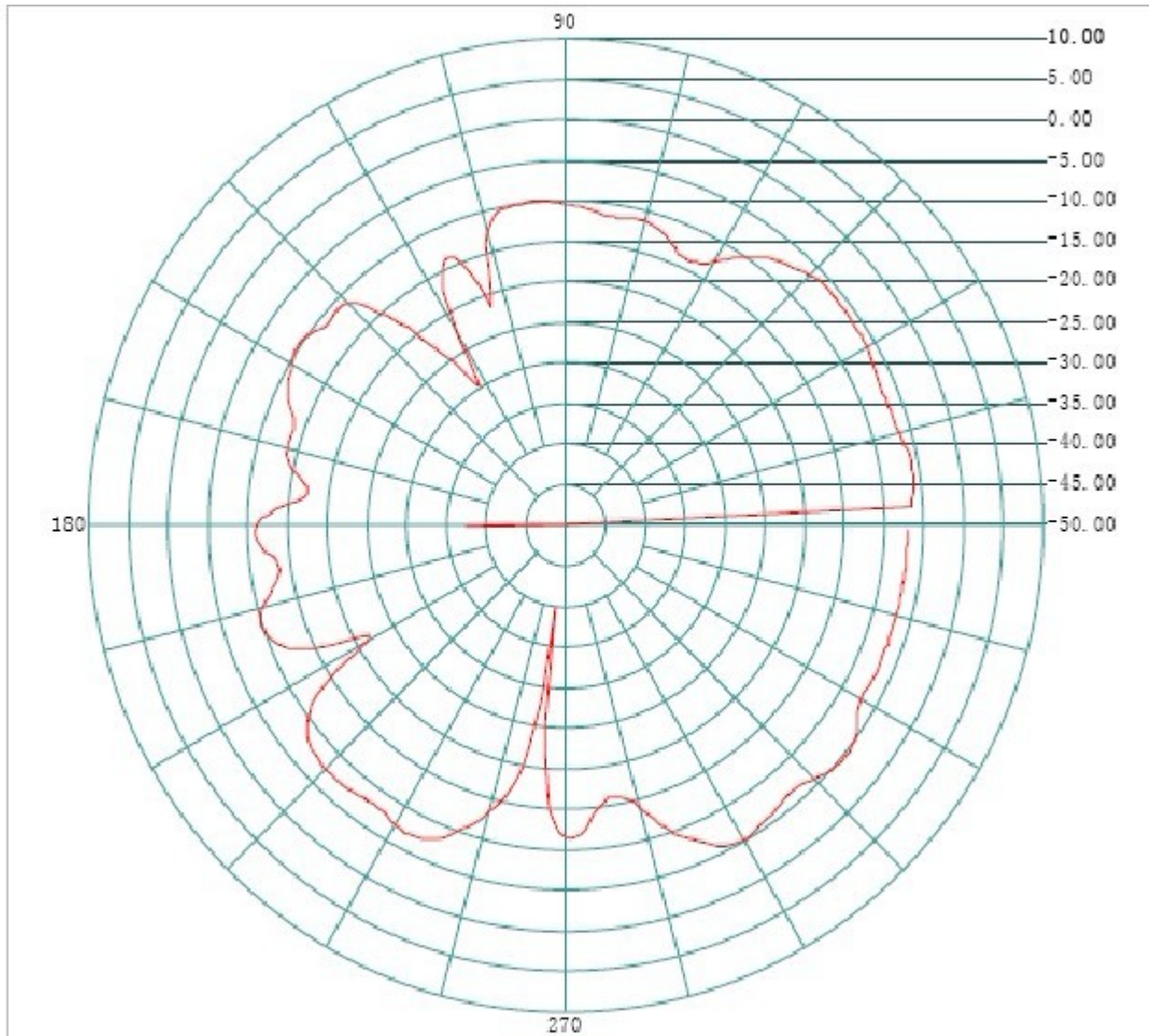
Frequency(MHZ): **2402** Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-8.84**

Average Gain(dBi) : **-13.64**

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

1.2 Vertical



Frequency(MHZ): **2402**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **-9.38**

Average Gain(dBi) : **-14.98**

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

2. Main antenna : 2441 MHz

2.1 Horizontal



Frequency(MHZ): **2441**

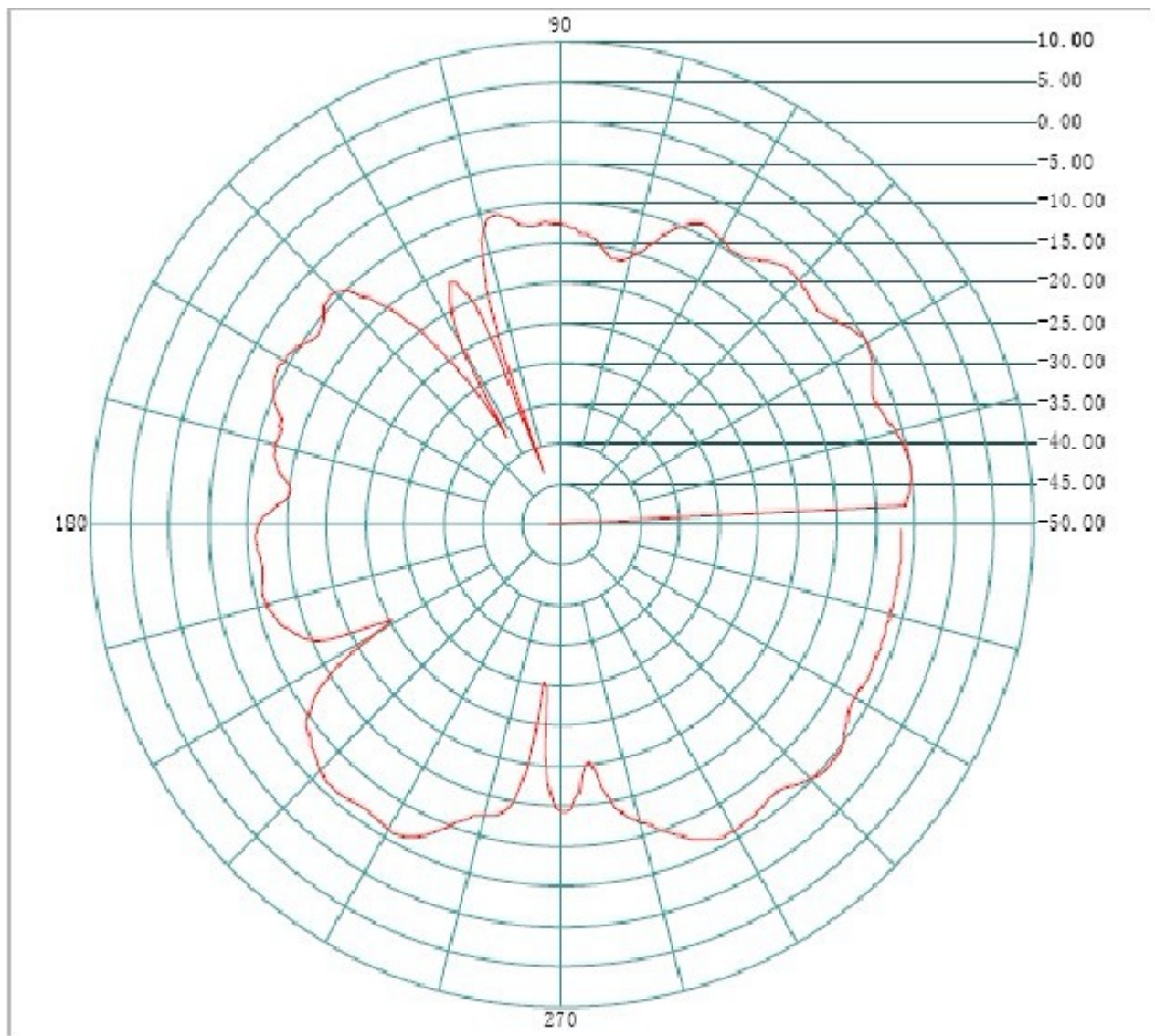
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-6.67**

Average Gain(dBi) : **-12.79**

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

2.2 Vertical



Frequency(MHZ): **2441**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **-7.29**

Average Gain(dBi) : **-13.42**

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

2. Main antenna : 2480 MHz

2.1 Horizontal



Frequency(MHZ):

Antenna Polarity: **Horizontal**

2480 Maximum Value(dBi): -6.17

Average Gain(dBi) : **-12.25**

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

2.2 Vertical



Frequency(MHZ): **2480**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **-7.95**

Average Gain(dBi) : **-13.06**

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