

Antenna Specification

Specifications Summary

ITEM	SPEC.	
Model Name	IBM 2.4 GHz	
Center Frequency	2400 MHz	2.89dBi
	2450 MHz	3.21dBi
	2500 MHz	1.17dBi
MAX. GAIN	3.21dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna plate	FPC	

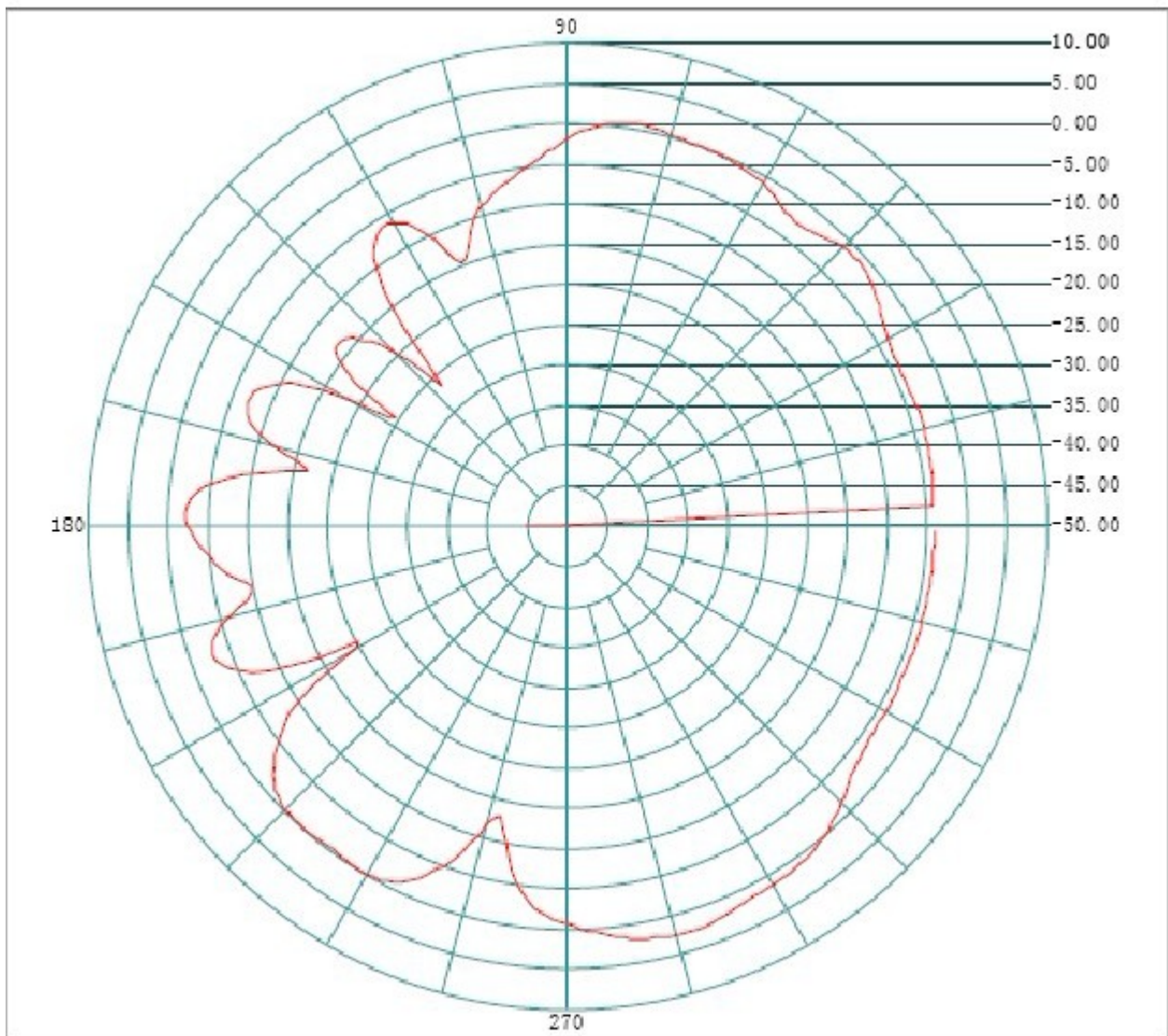
Antenna Photo



Test Date	2022-10-09
Test Instrument	vector network analyzer - R&S ZVB20

1. Main antenna : 2400 MHz

1.1 Horizontal



Frequency(MHZ): **2400**

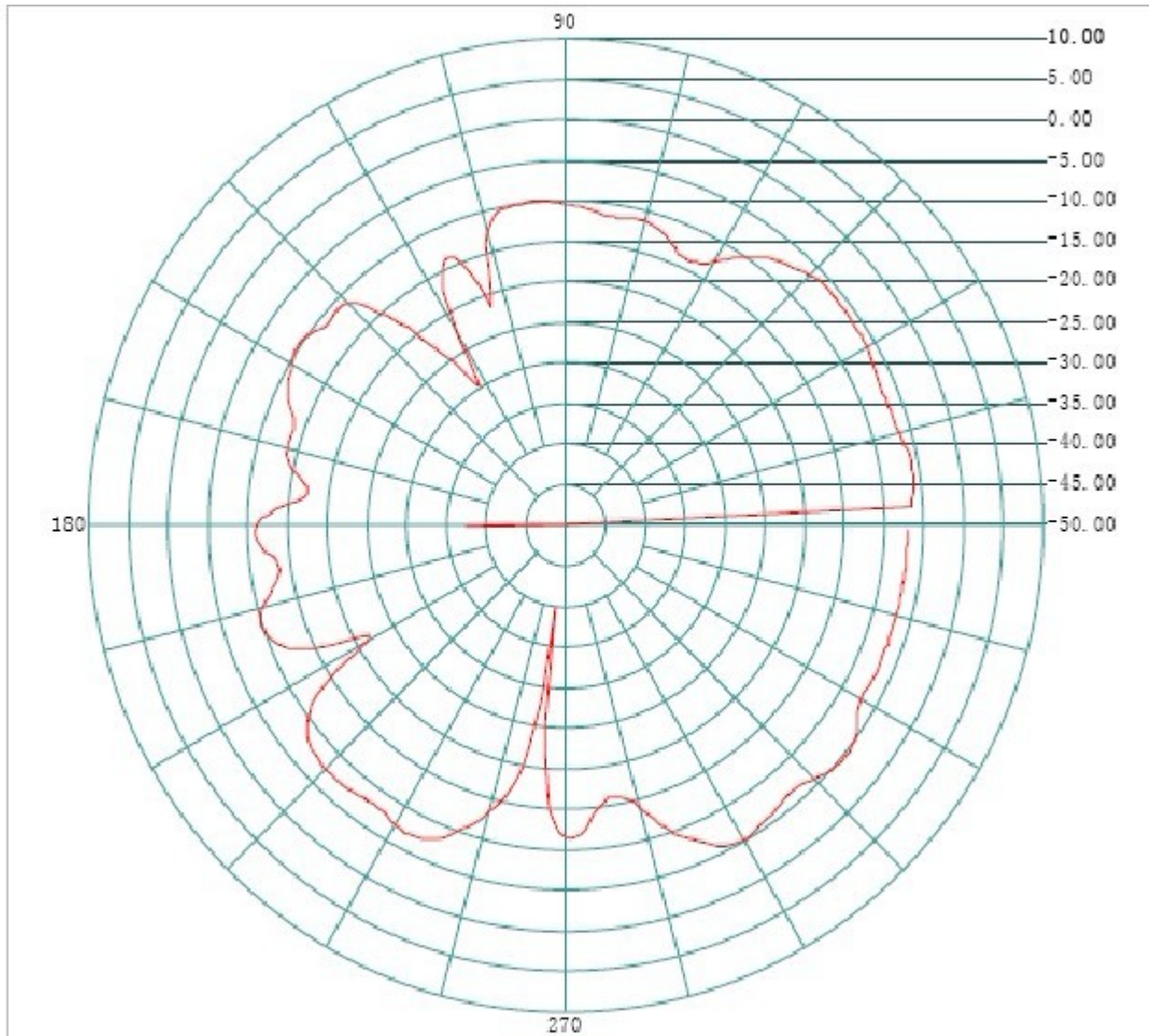
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **2.89**

Average Gain(dBi) : **-8.78**

Minimum Gain(dBi): **-25.28**

1.2 Vertical



Frequency(MHZ): **2400**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **-4.78**

Average Gain(dBi) : **-18.98**

Minimum Gain(dBi): **-32.3**

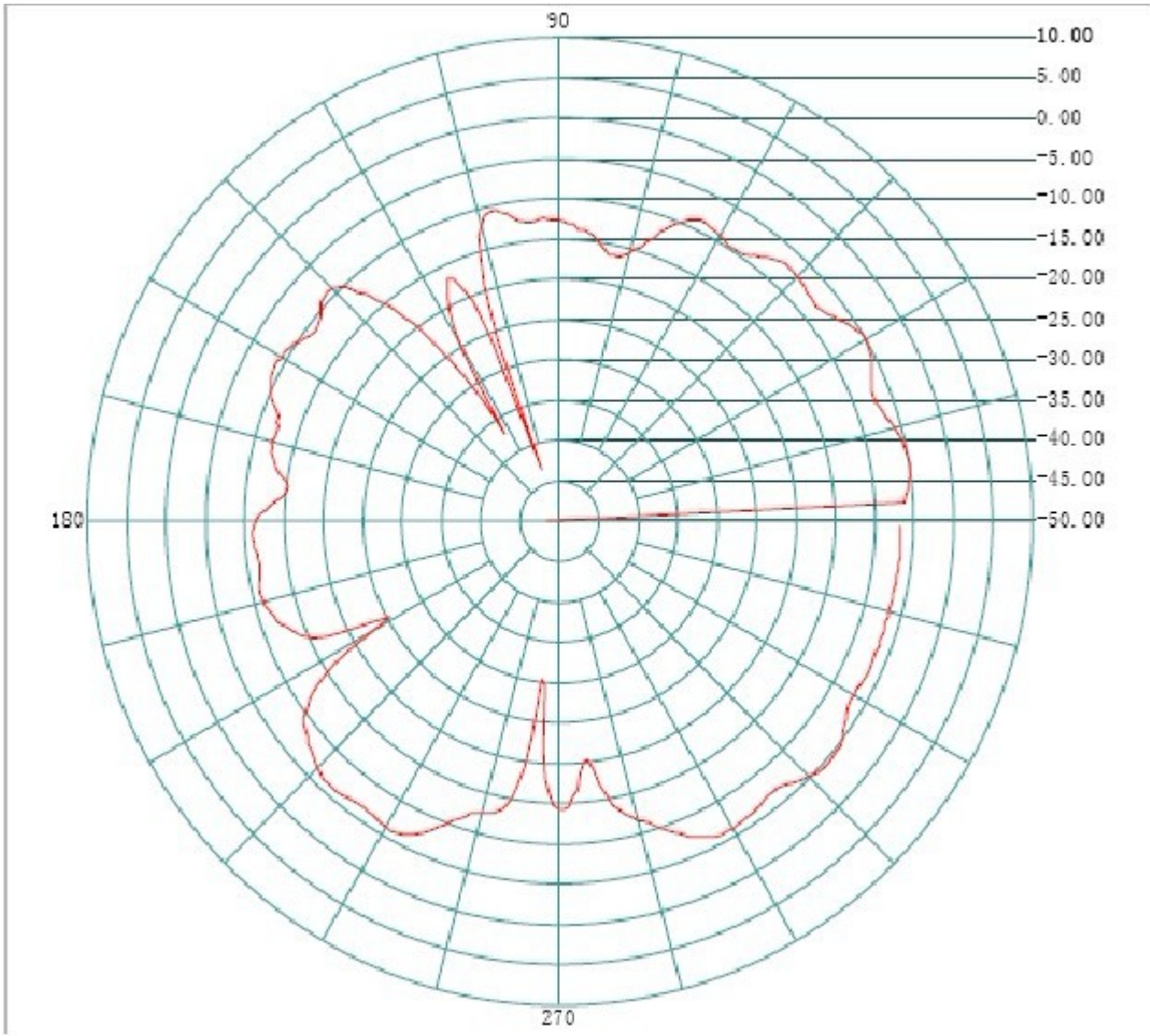
2. Main antenna : 2450 MHz

2.1 Horizontal



Frequency(MHZ):	2450	Antenna Polarity:	Horizontal
Maximum Value(dBi):	3.21		
Average Gain(dBi) :	-7.52		
Minimum Gain(dBi):	-23.98		

2.2 Vertical



Frequency(MHZ):	2450	Antenna Polarity:	Vertical
Maximum Value(dBi):	-4.29		
Average Gain(dBi) :	-18.42		
Minimum Gain(dBi):	-32.30		

2. Main antenna : 2500 MHz

2.1 Horizontal



Frequency(MHZ): **2500**

Antenna Polarity: **Horizontal**

Maximum Value(dBi): 1.17

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

Minimum Gain(dBi): **-28.41**

2.2 Vertical



Frequency(MHZ): **2500**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **-4.12**

Average Gain(dBi) : **-19.06**

Minimum Gain(dBi): **-32.07**