

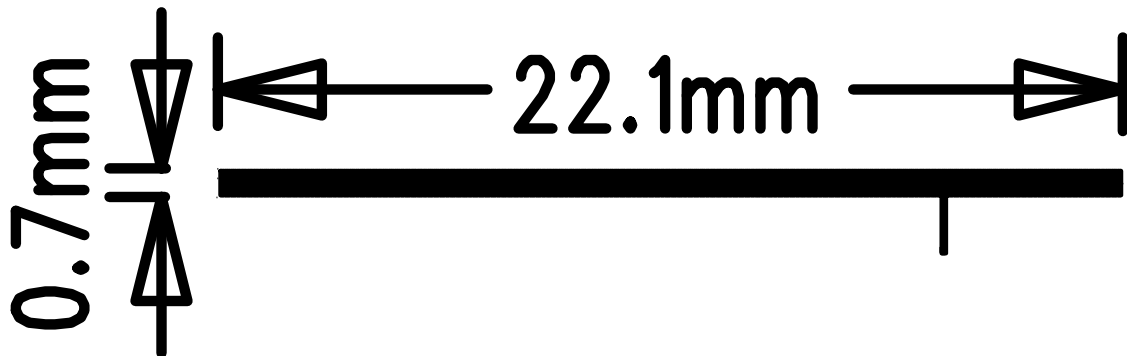
# Antenna Specification

## Specifications

### Summary

ITEM	SPEC.	
Model Name	IBM 2.4 GHz	
Center Frequency	2402 MHz	2.24 dBi
	2441 MHz	2.20 dBi
	2480 MHz	1.81 dBi
MAX. GAIN	2.24 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 $\Omega$	
Antenna Length	2.21cm	

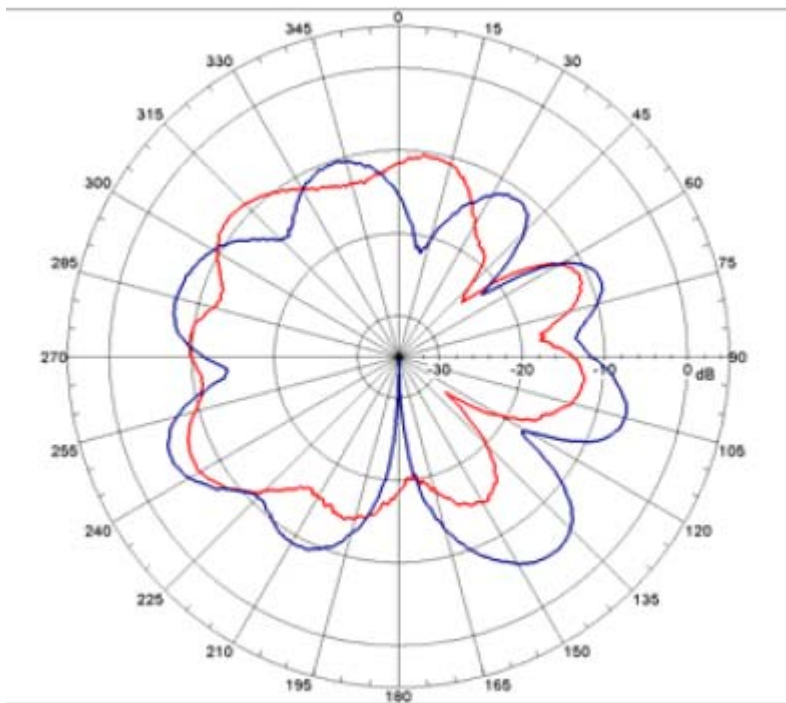
### Antenna Photo & Length (mm)



## 1. Main antenna : 2402 MHz

(green line: horizontal power)  
(red line: vertical power)

### 1.1 Horizontal



Frequency(MHZ): **2402**

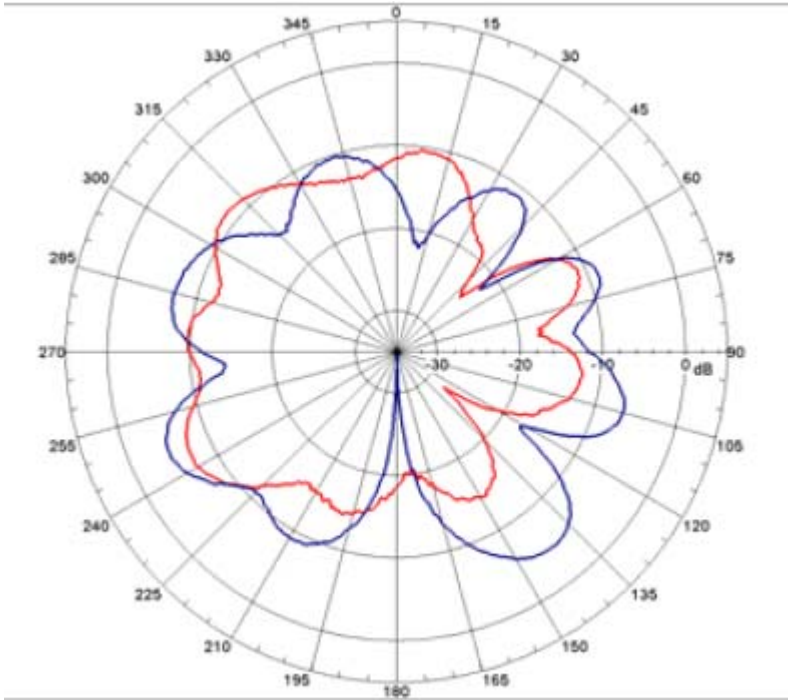
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **2.24**

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

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

### 1.2 Vertical



Frequency(MHZ): **2402**

Antenna Polarity: **Vertical**

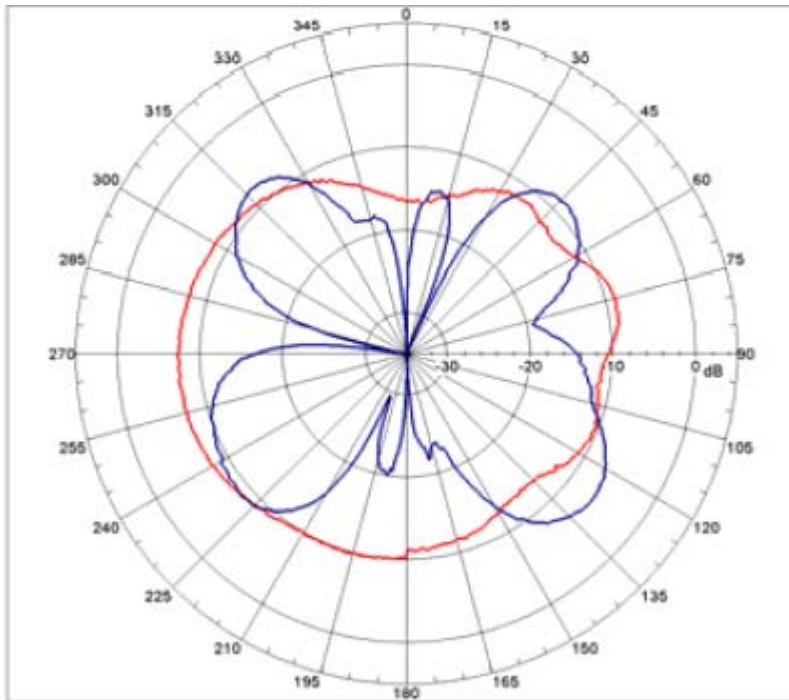
Maximum Value(dBi): **-4.51**

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

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

**2. Main antenna : 2441 MHz**

**2.1 Horizontal**



Frequency(MHZ): **2441**

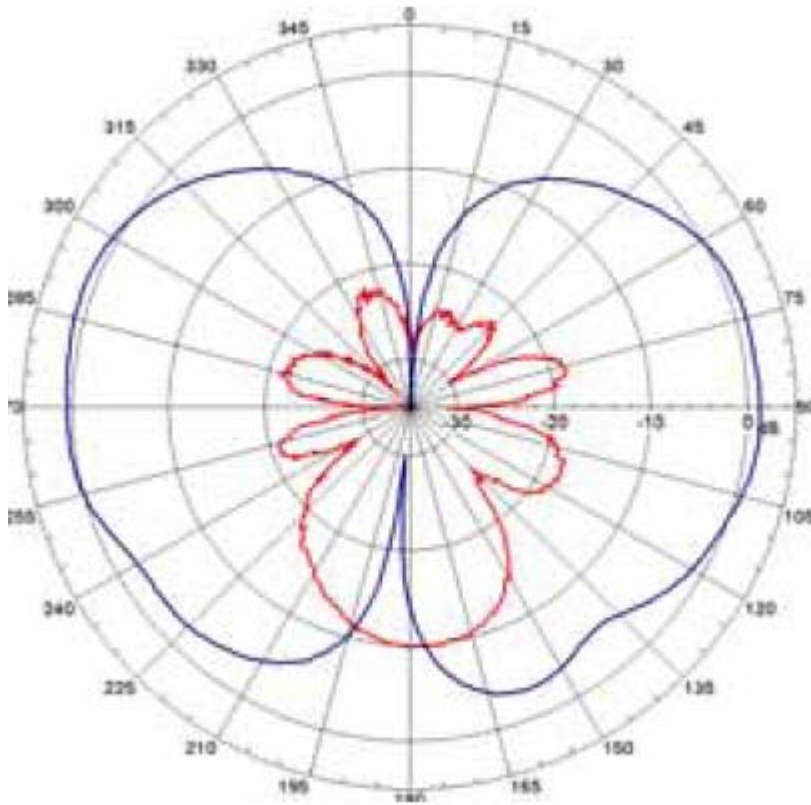
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **2.20**

Average Gain(dBi) : **-2.44**

Minimum Gain(dBi): **-64.78**

## **2.2 Vertical**



Frequency(MHZ): **2441**

Antenna Polarity: **Vertical**

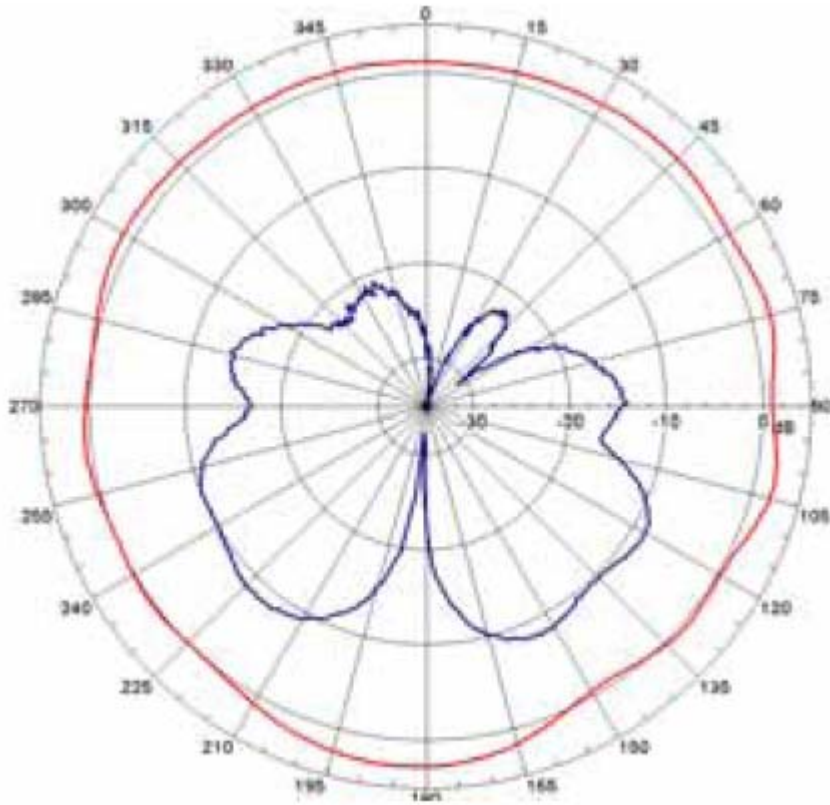
Maximum Value(dBi): **-4.29**

Average Gain(dBi) : **-8.41**

Minimum Gain(dBi): **-47.4**

## **2. Main antenna : 2480 MHz**

### **2.1 Horizontal**



Frequency(MHZ): **2480**

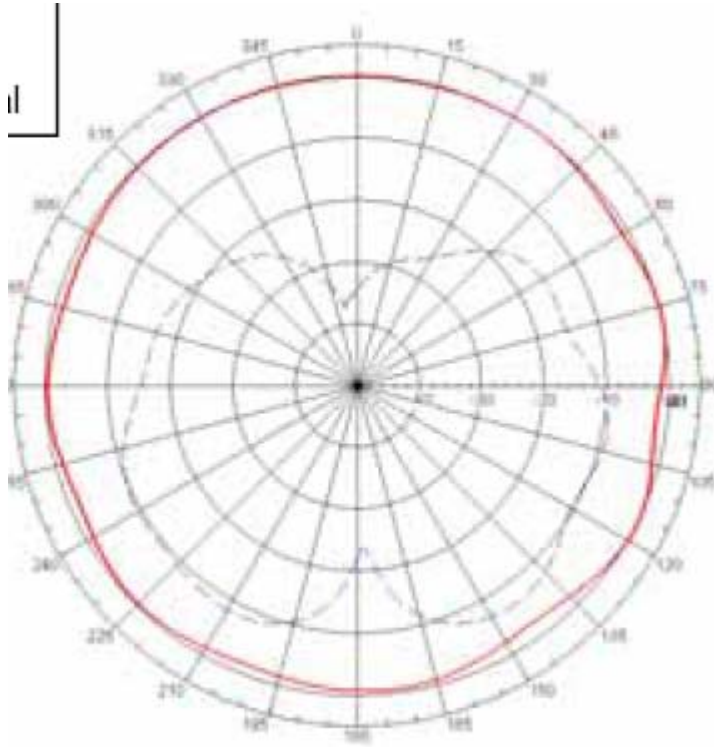
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **1.81**

Average Gain(dBi) : **-4.34**

Minimum Gain(dBi): **-55.4**

## **2.2 Vertical**



Frequency(MHZ): **2480**

Antenna Polarity: **Vertical**

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

Average Gain(dBi) : **-14.06**

Minimum Gain(dBi): **-64.00**