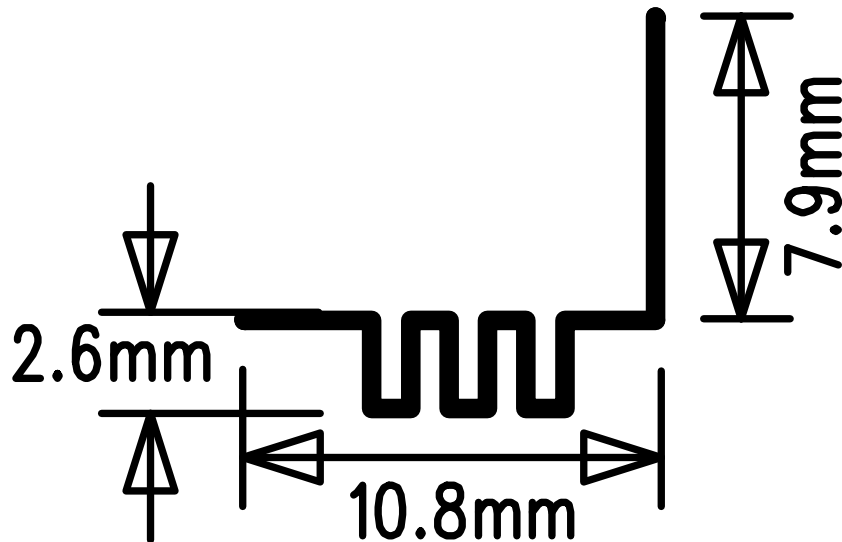


# Antenna Specification

## Specifications Summary

ITEM	SPEC.	
Model Name	IBM 2.4 GHz	
Center Frequency	2403 MHz	-2.28 dBi
	2441 MHz	-2.44 dBi
	2480 MHz	-4.34 dBi
MAX. GAIN	0.95 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 $\Omega$	
Antenna Length	3.43cm	

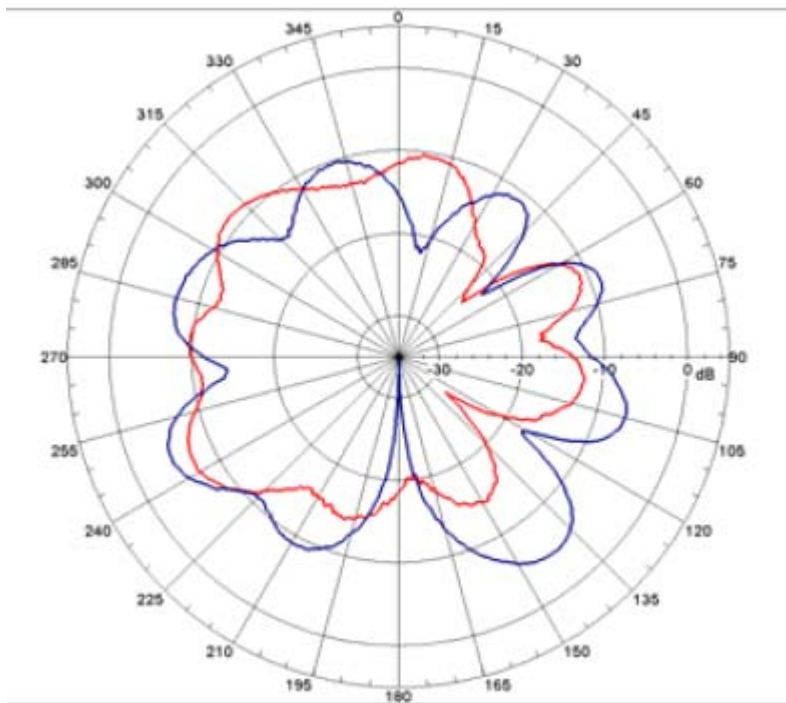
Antenna Photo & Length (mm)



## 1. Main antenna : 2403 MHz

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

### 1.1 Horizontal



Frequency(MHZ): **2403**

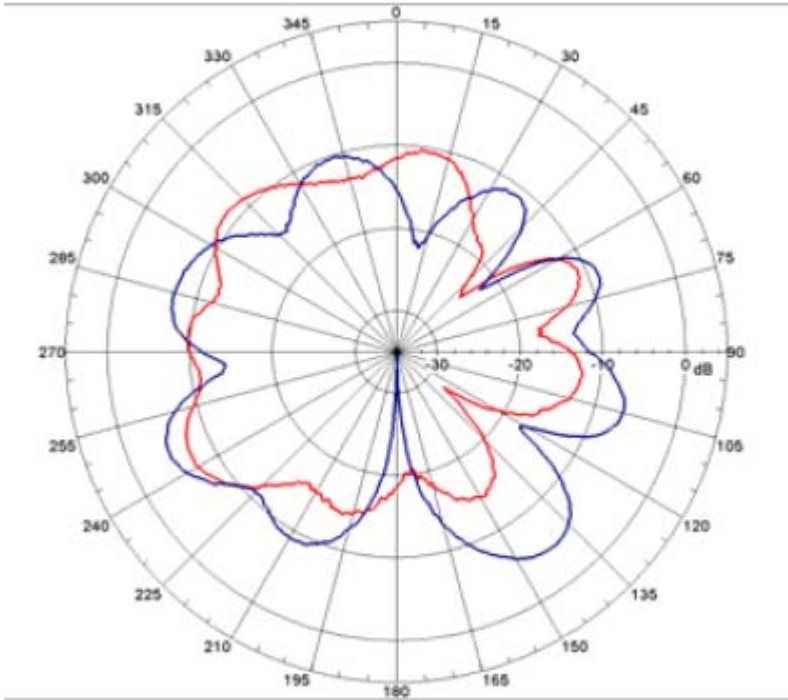
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-2.24**

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

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

### 1.2 Vertical



Frequency(MHZ): **2403**

Antenna Polarity: **Vertical**

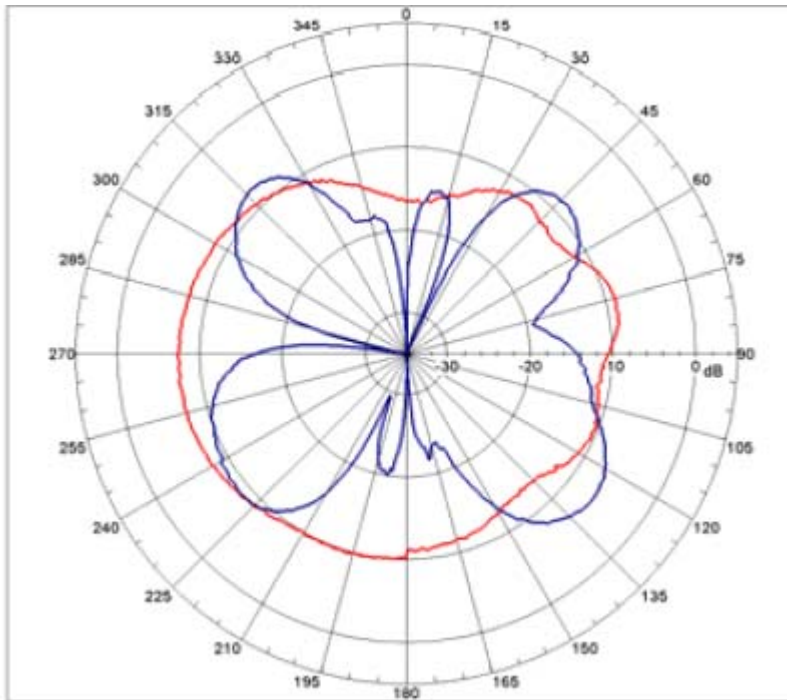
Maximum Value(dBi): **-4.51**

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

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

**2. Main antenna : 2441 MHz**

**2.1 Horizontal**



Frequency(MHZ): **2441**

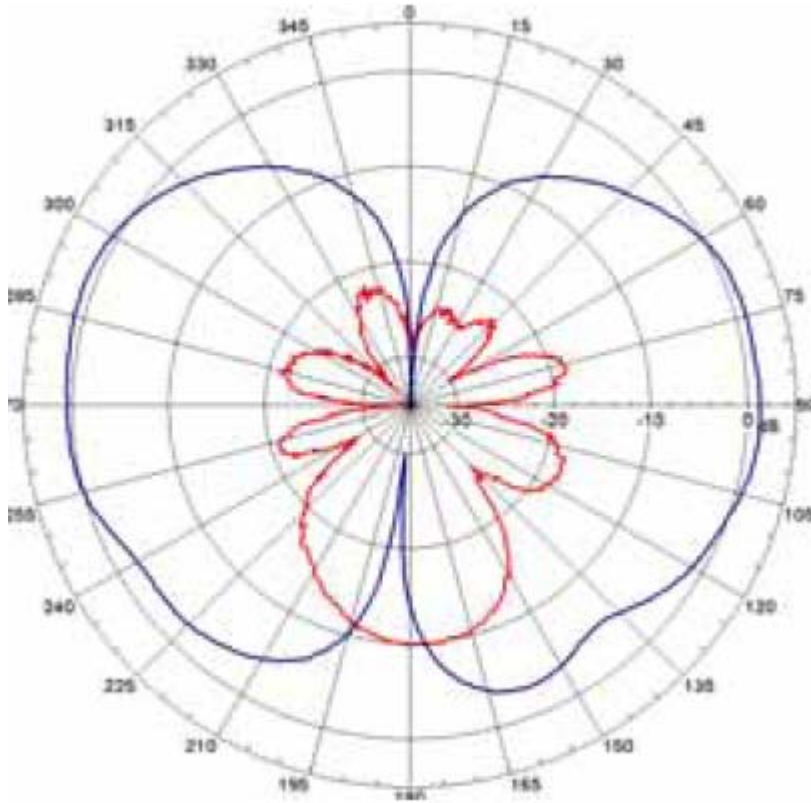
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-6.20**

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

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

## **2.2 Vertical**



Frequency(MHZ): **2441**

Antenna Polarity: **Vertical**

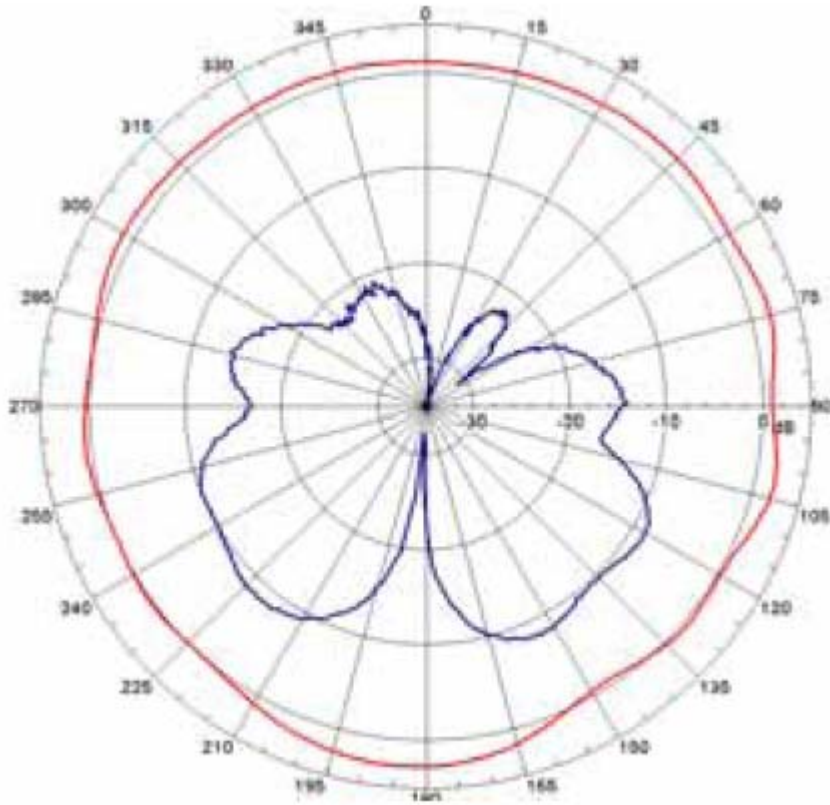
Maximum Value(dBi): **-10.00**

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

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

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

### **2.1 Horizontal**



Frequency(MHZ): **2480**

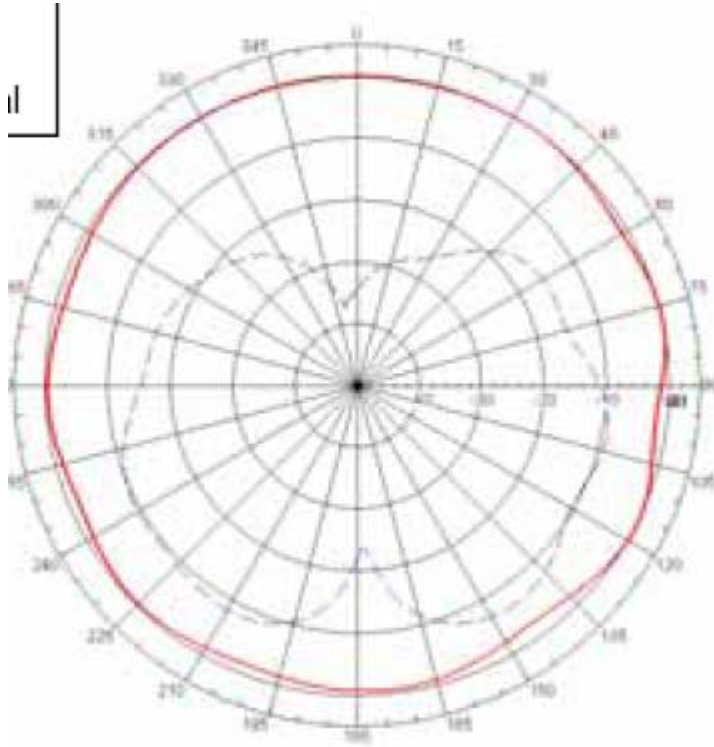
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-8.31**

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

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

## **2.2 Vertical**



Frequency(MHZ): **2480**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **0.95**

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

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