

# Antenna Specification

## Specifications

### Summary

ITEM	SPEC.	
Model Name	IBM 2.4 GHz	
Center Frequency	2402MHz	-3.04 dBi
	2441 MHz	-2.39dBi
	2480 MHz	-2.95 dBi
MAX. GAIN	-2.39 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 $\Omega$	
Antenna Length	3.25 cm	

Antenna Photo & Length (mm)

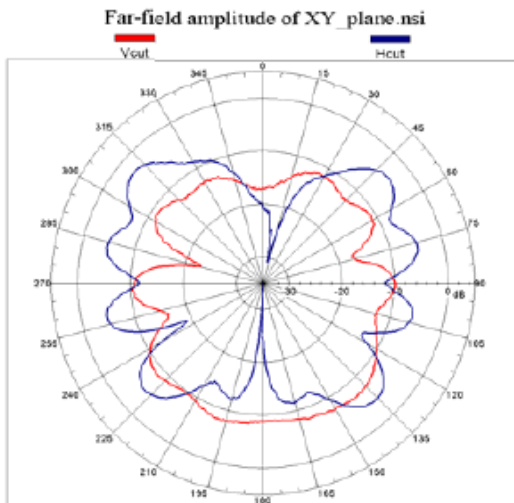


# 1.

Main antenna : 2402 MHz

## 1.1 Horizontal

### ◆ XY-plane

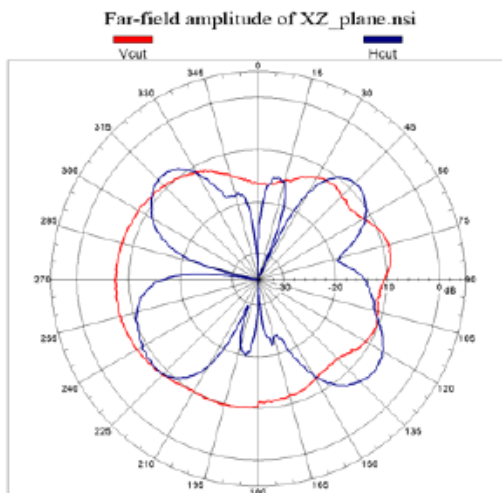


Unit : dBi

	Peak gain	Avg. gain
H cut	-3.04	-8.82
V cut	-7.19	-11.29
Total	-2.52	-6.53

## 1.2 Vertical

### ◆ XZ-plane



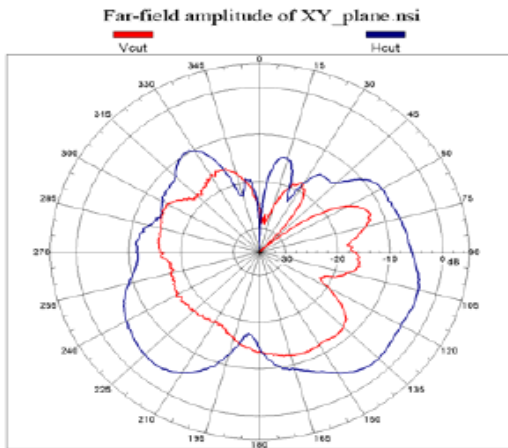
	Peak gain	Avg. gain
H cut	-6.44	-13.24
V cut	-7.34	-10.57
Total	-5.38	-8.35

# 1.

Main antenna : 2441 MHz

## 2.1 Horizontal

## ◆ XY-plane



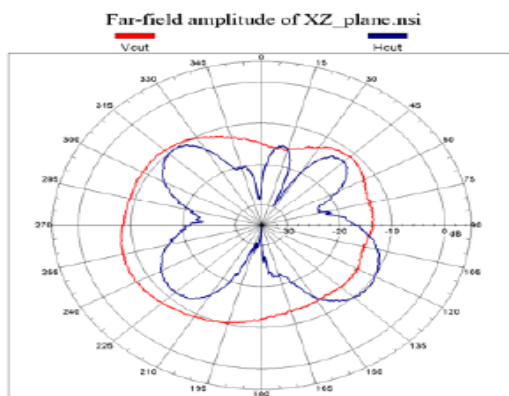
Unit : dBi

	Peak gain	Avg. gain
H cut	-2.89	-8.89
V cut	-11.81	-16.63
Total	-2.39	-8.05

## 2.2

### Vertica

## ◆ XZ-plane

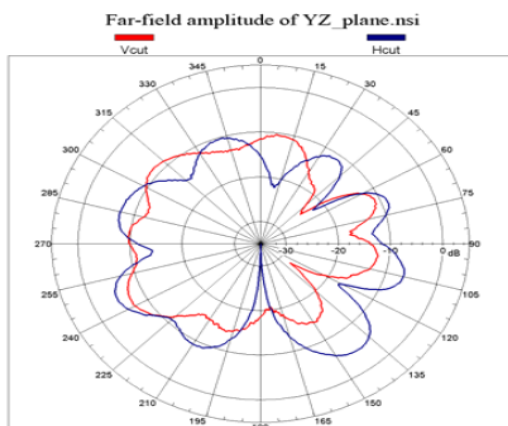


	Peak gain	Avg. gain
H cut	-9.56	-15.85
V cut	-7.29	-11.21
Total	-6.27	-9.66

## 3. Main antenna : 2480 MHz

### 3.1 Horizontal

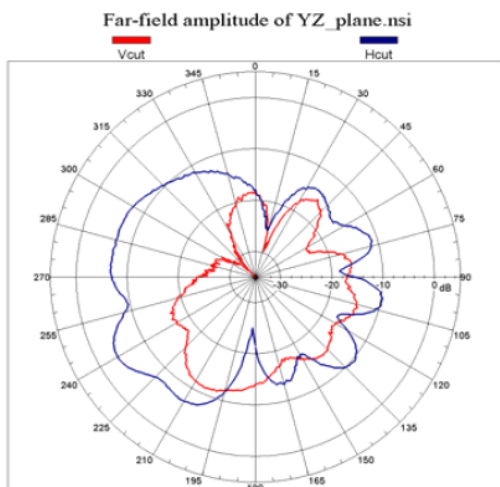
## ◆ YZ-plane



	Peak gain	Avg. gain
H cut	-4.74	-10.75
V cut	-7.09	-13.11
Total	-2.95	-8.49

### 3.2 Vertical

#### ◆YZ-plane



	Peak gain	Avg. gain
H cut	-3.99	-11.25
V cut	-11.31	-18.08
Total	-3.79	-10.11

### 4. Result

Center Frequency	Maximum Ant Gain	
2402MHz	H	-3.04 dBi
	V	-6.44 dBi
2441MHz	H	-2.39dBi
	V	-6.27 dBi
2480 MHz	H	-2.95 dBi
	V	-3.79dBi