

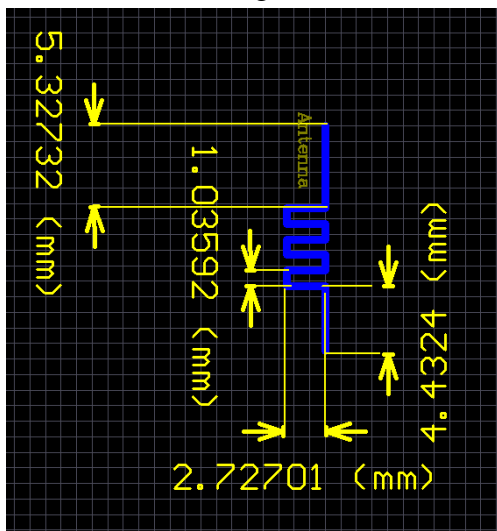
# Antenna Specification

## Specifications

### Summary

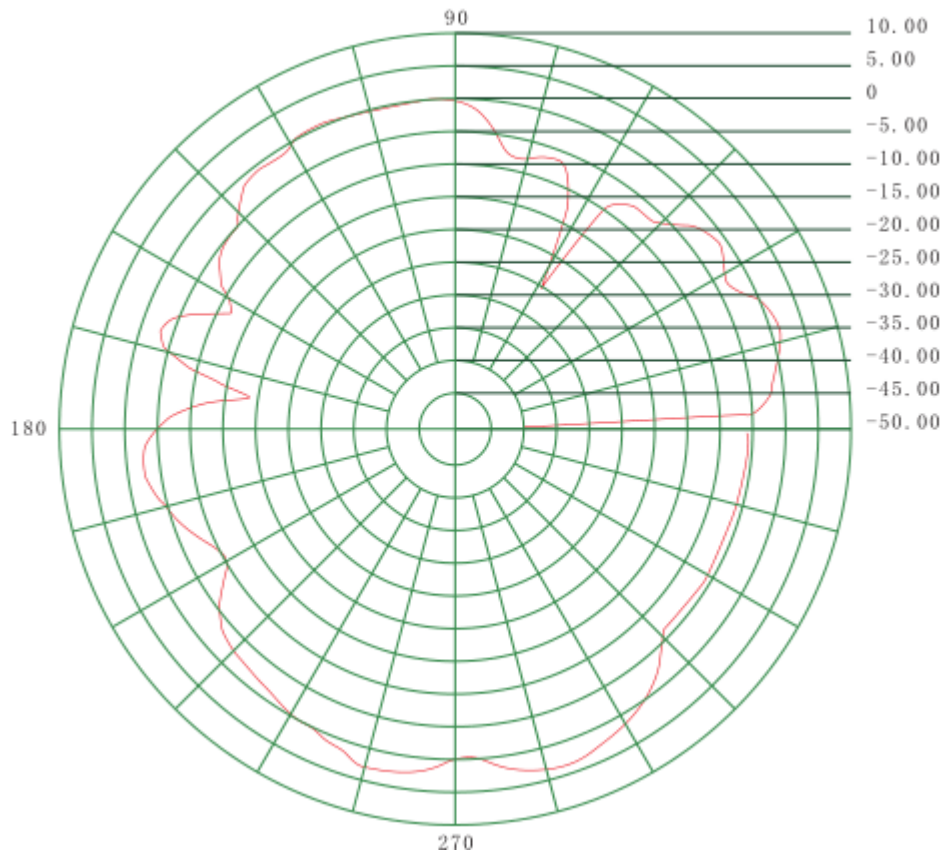
ITEM	SPEC.
Model Name	P109
Center Frequency	2405MHz 3.8dBi 2451MHz 3.39dBi 2475MHz 4.43dBi
MAX. GAIN	4.43dBi
Polarization	Horizontal
Azimuth Beam Pattern	Omni-directional
Impedance	50 $\Omega$

AntennaPhoto&Length (mm)



1. Main antenna : 2405MHz

1.1 Horizontal



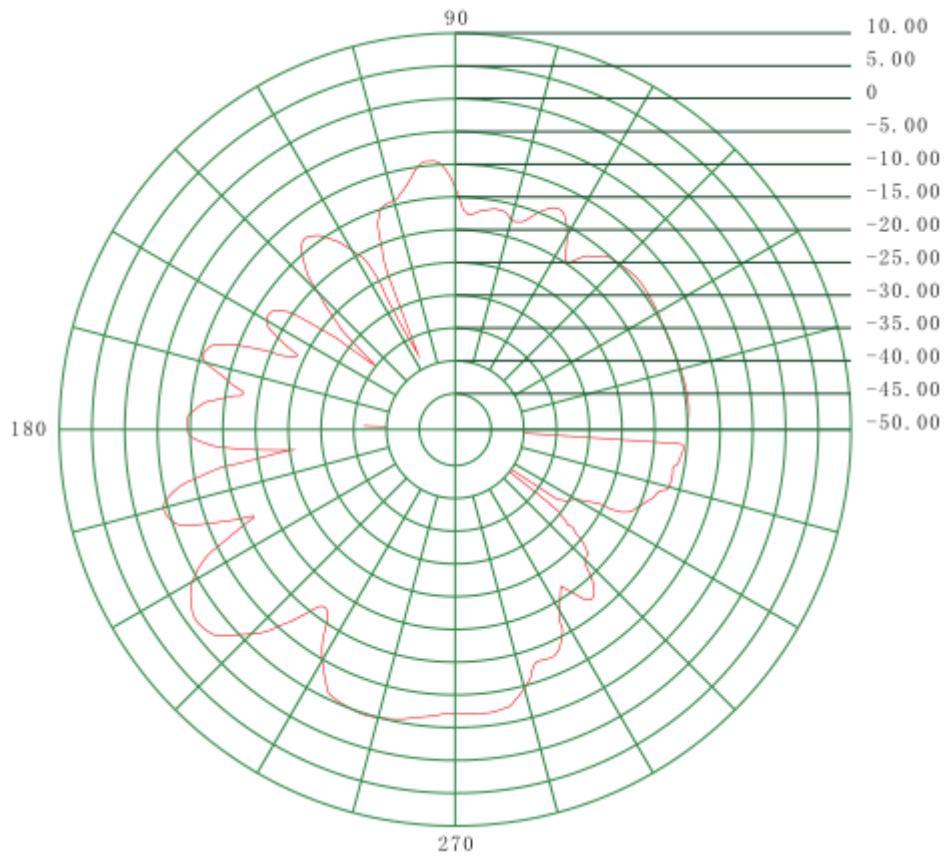
Frequency (MHZ) : 2405      Antenna Polarity: Horizontal

Maximum Value (dBi) : 3.8

Average Gain (dBi) : -1.42

Minimum Gain (dBi) : -40.26

## 1.2 Vertical



Frequency (MHZ) : 2405 Antenna Polarity: Vertical

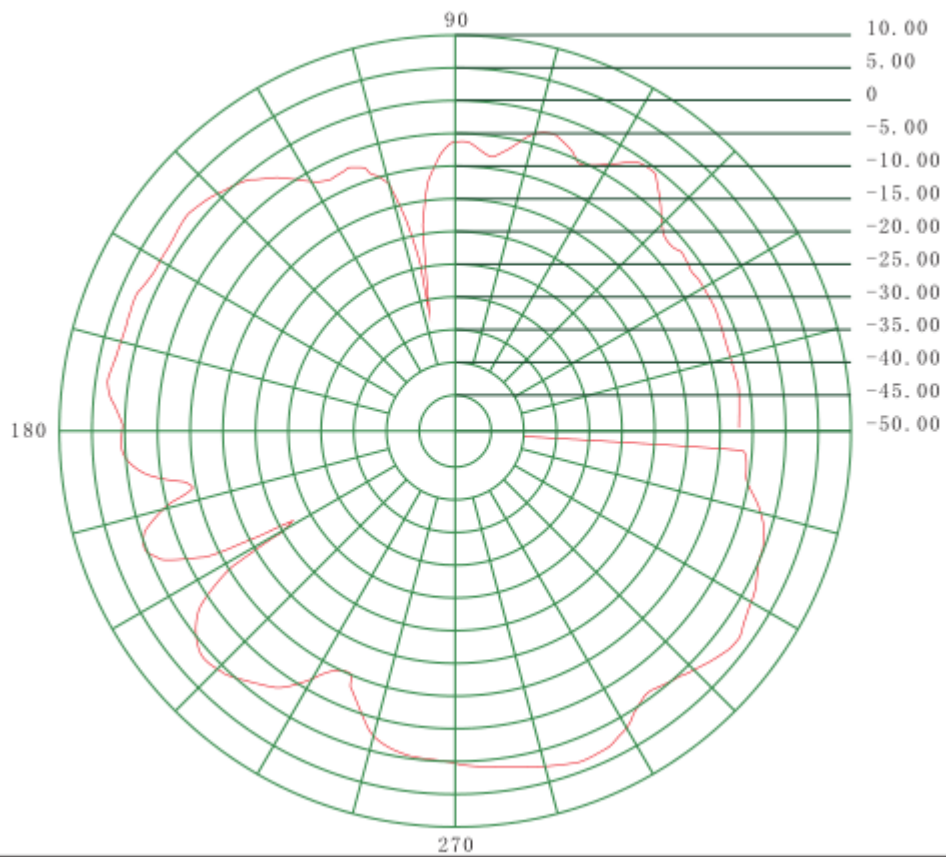
Maximum Value (dBi) : -3.59

Average Gain (dBi) : -11.5

Minimum Gain (dBi) : -39.1

## 2. Main antenna : 2451 MHz

### 2.1 Horizontal



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Frequency (MHZ) : 2451

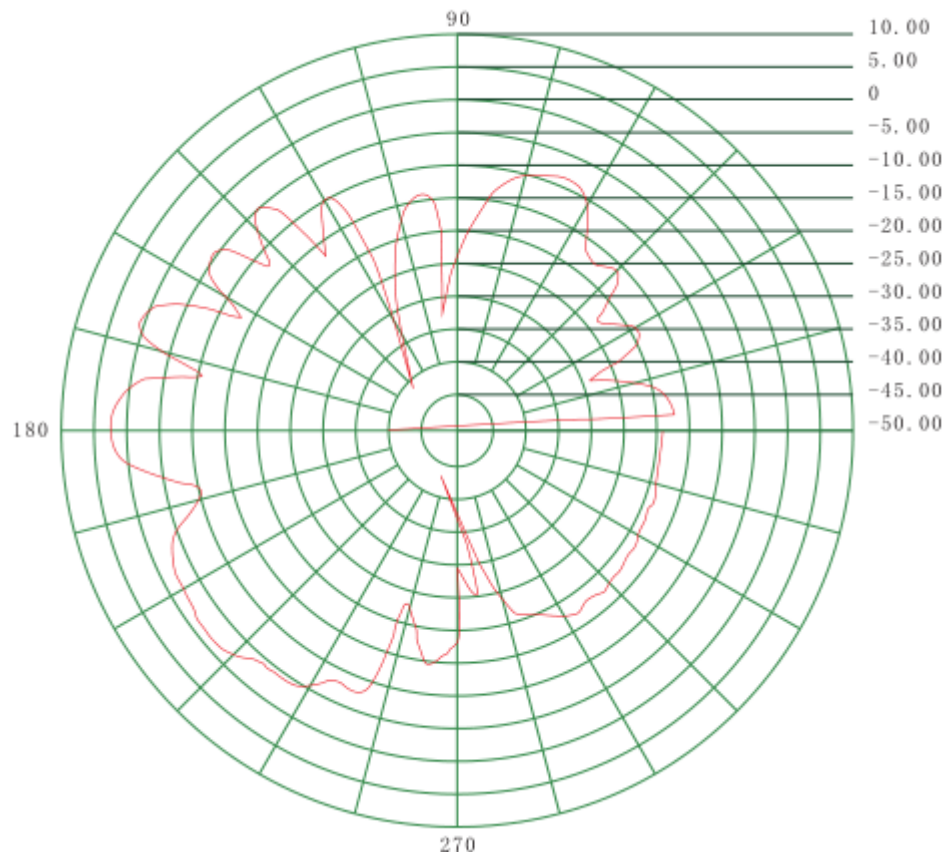
Antenna Polarity: Horizontal

Maximum Value (dBi) : 3.39

Average Gain (dBi) : -1.41

Minimum Gain (dBi) : -38.8

## 2.2 Vertical



Frequency (MHZ) : 2451 Antenna Polarity: Vertical

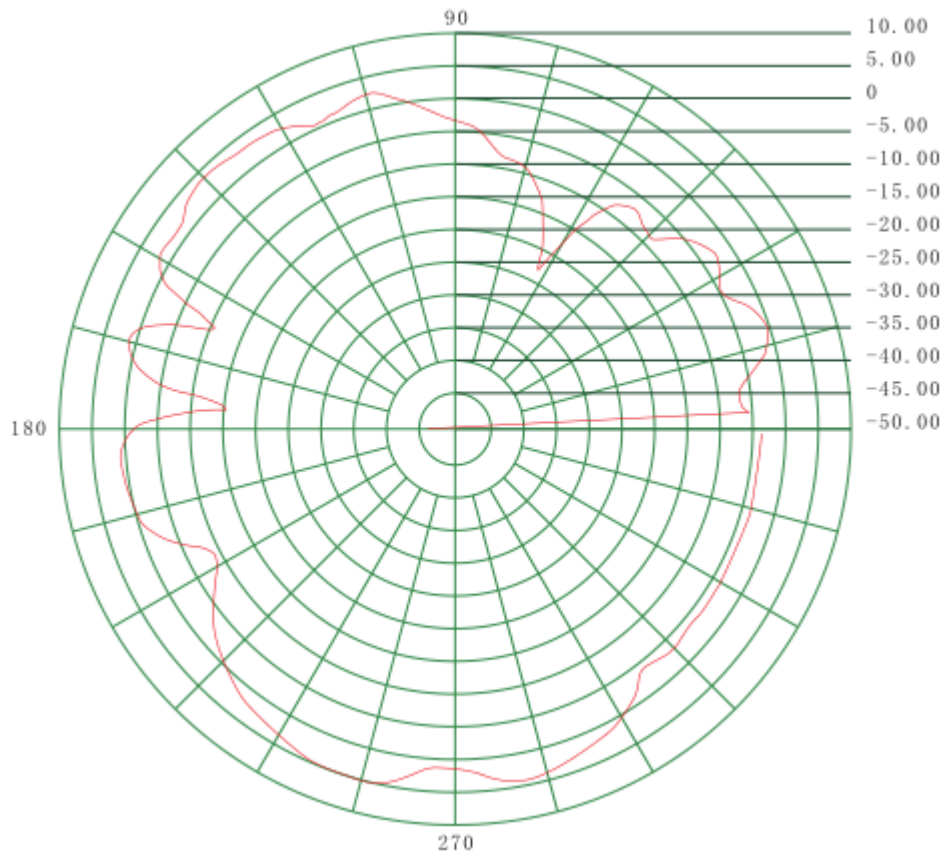
Maximum Value (dBi) : 2.9

Average Gain (dBi) : -11.5

Minimum Gain (dBi) : -59.3

### 3. Main antenna : 2475MHz

#### 3.1 Horizontal



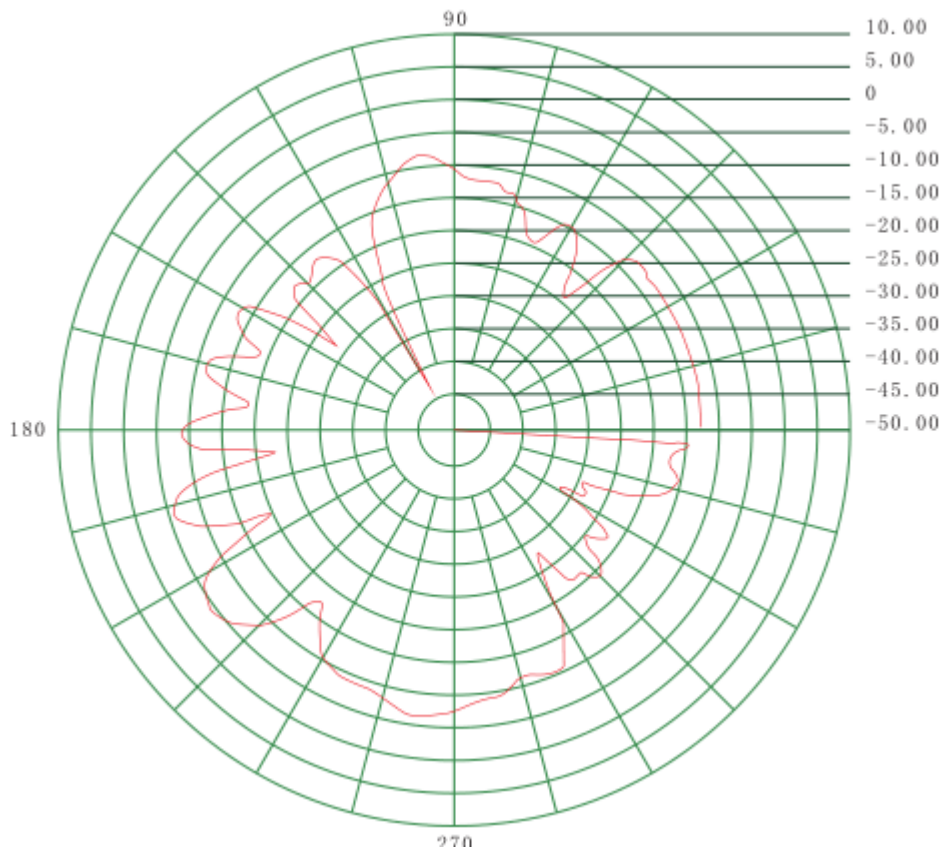
Frequency (MHZ) : 2475 Antenna Polarity: Horizontal

Maximum Value (dBi) : 4.43

Average Gain (dBi) : -2.44

Minimum Gain (dBi) : -53.04

### 3.2 Vertical



Frequency (MHZ) : 2475 Antenna Polarity: Vertical

Maximum Value (dBi) : -4.89

Average Gain (dBi) : -12.6

Minimum Gain (dBi) : -48.4