

# Antenna Specification

## Specifications

### Summary

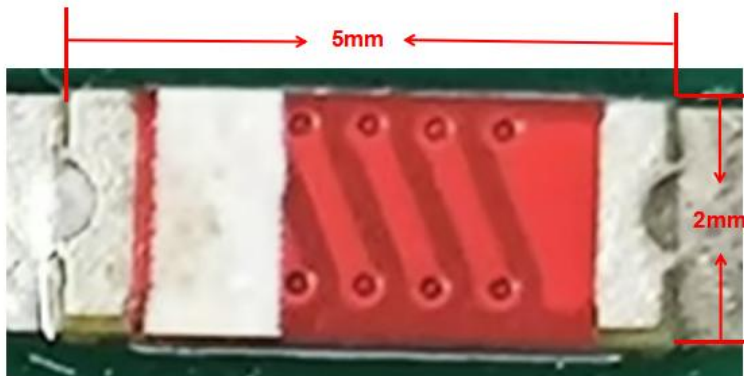
ITEM	SPEC.	
Center Frequency	2402 MHz 2441 MHz 2480 MHz	3.59 dBi 3.18 dBi 2.80 dBi
MAX. GAIN	3.59 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 $\Omega$	

**Antenna type: Chip Antenna**

Company: Shenzhen Vident Technology Co., Ltd

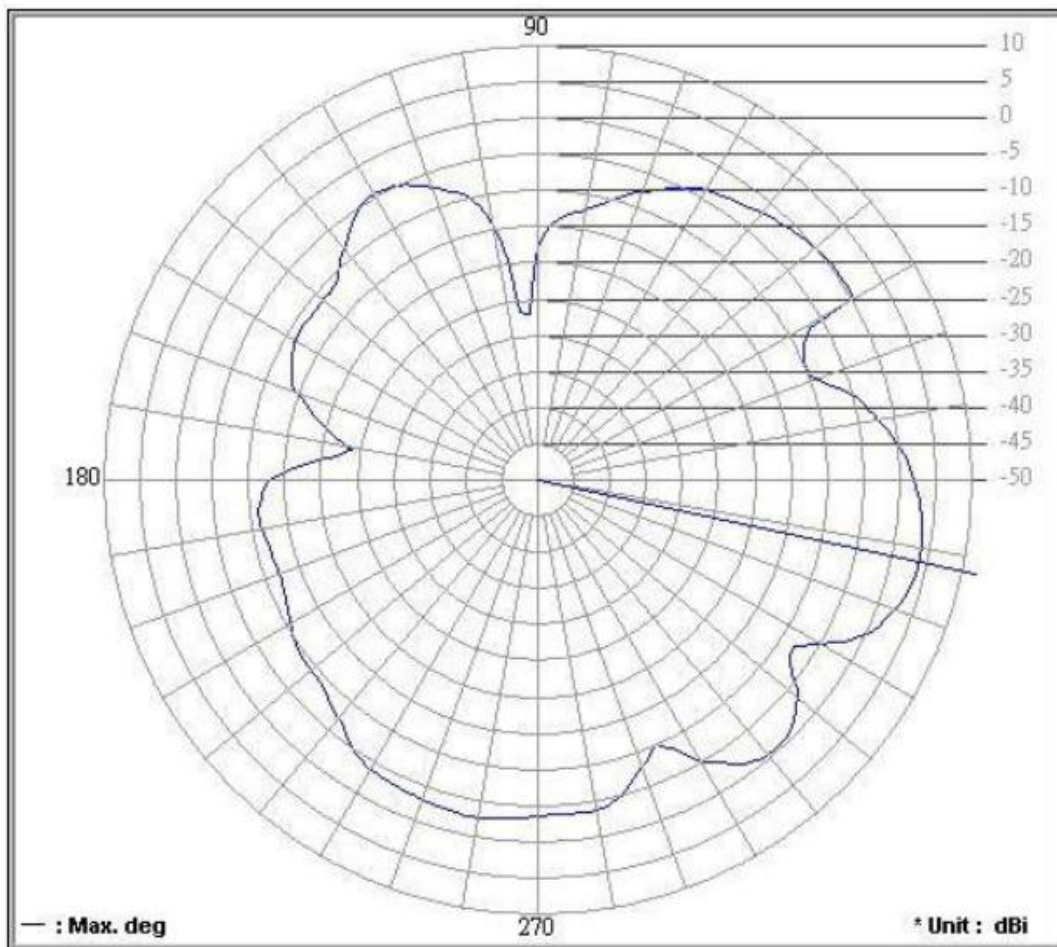
Address: No. 42, HanTang 2nd Road, BaoAn Community, YuanShan Street, LongGang District, Shenzhen

## Antenna Photo & Length



# 1.Main antenna : 2402 MHz

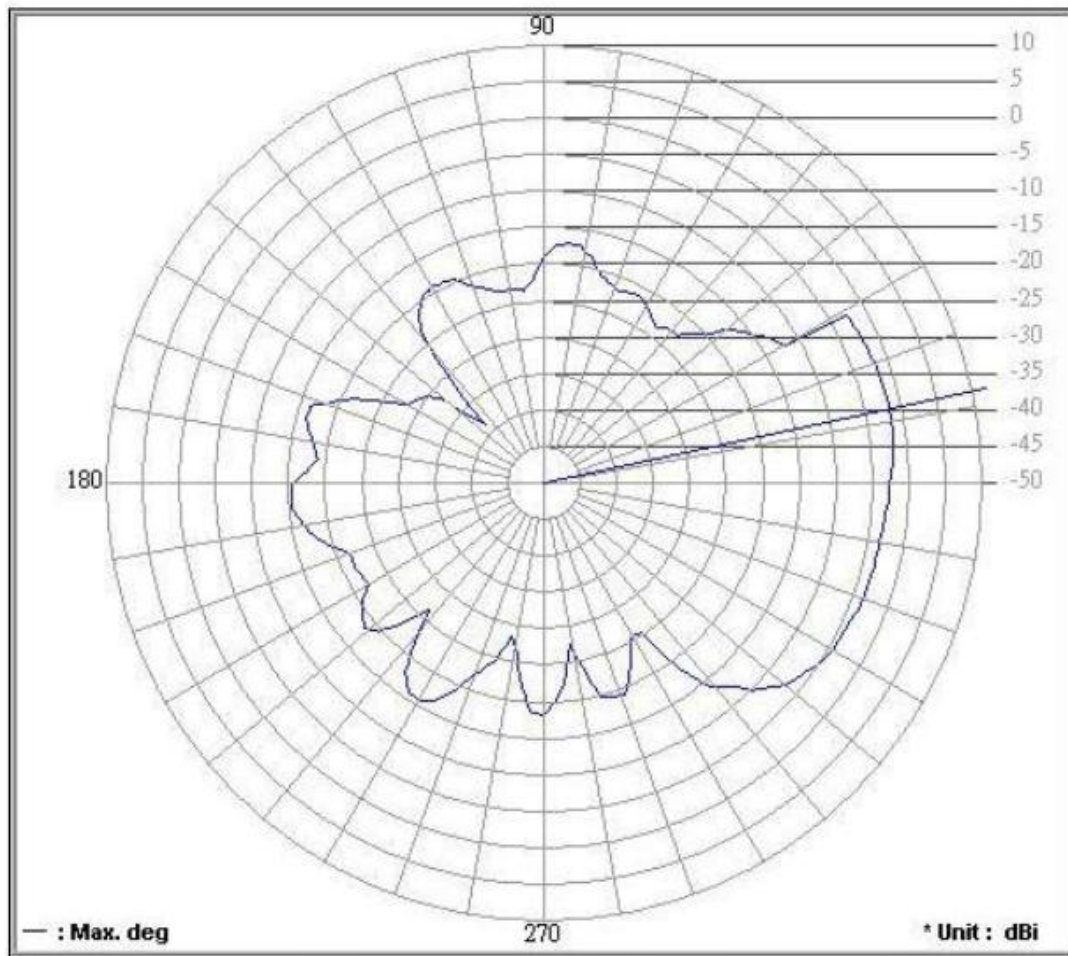
## 1.1 Horizontal



Frequency (MHz) : **2402.00**    Antenna Polarity : **Horizontal**    Average Gain (dB) : **-3.64**  
Maximum Gain (dB) : **3.59**    Maximum Gain (degree) : **348**  
Minimum Gain (dB) : **-27.08**    Minimum Gain (degree) : **93**

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## 1.2 Vertical



Frequency (MHz) : **2402.00**

Antenna Polarity : **Vertical**

Average Gain (dB) : **-9.57**

Maximum Gain (dB) : **-1.54**

Maximum Gain (degree) : **12**

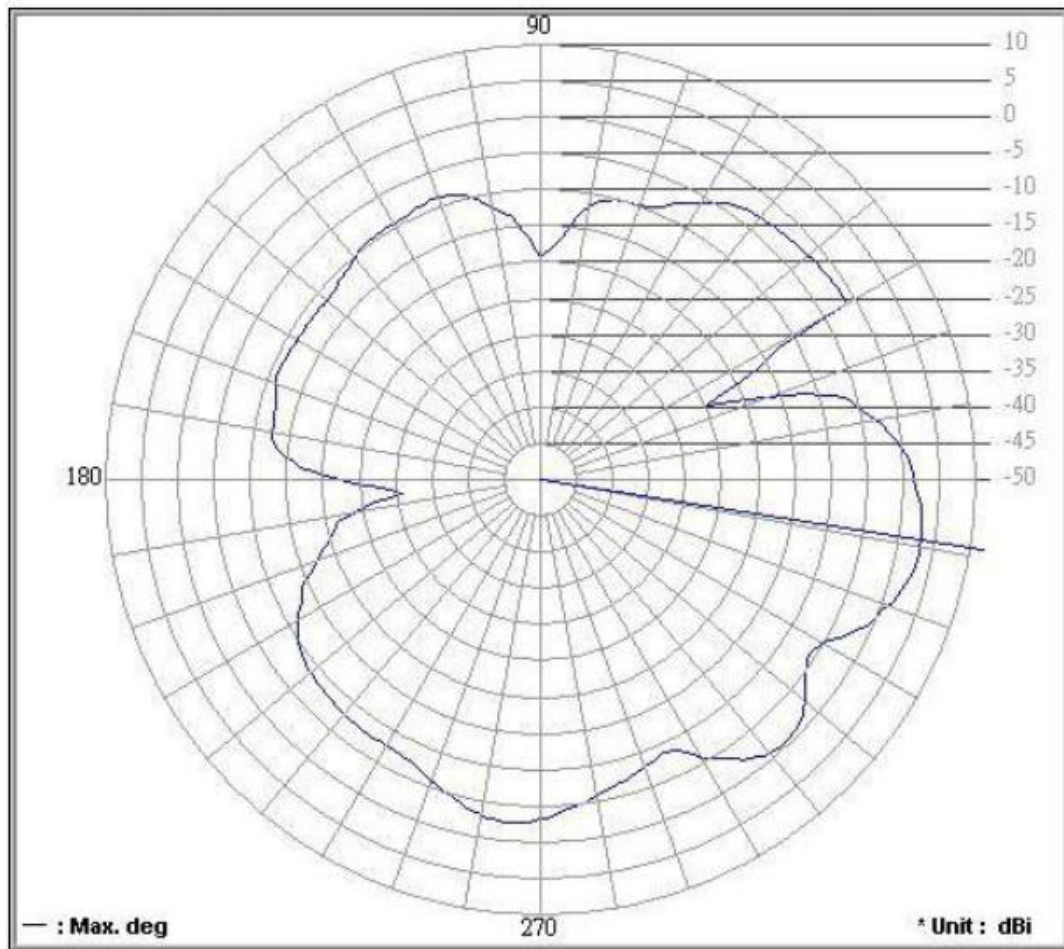
Minimum Gain (dB) : **-38.76**

Minimum Gain (degree) : **135**

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## 2.Main antenna : 2441MHz

### 2.1 Horizontal



Frequency (MHz) : **2441.00**

Antenna Polarity : **Horizontal**

Average Gain (dB) : **-4.64**

Maximum Gain (dB) : **3.18**

Maximum Gain (degree) : **351**

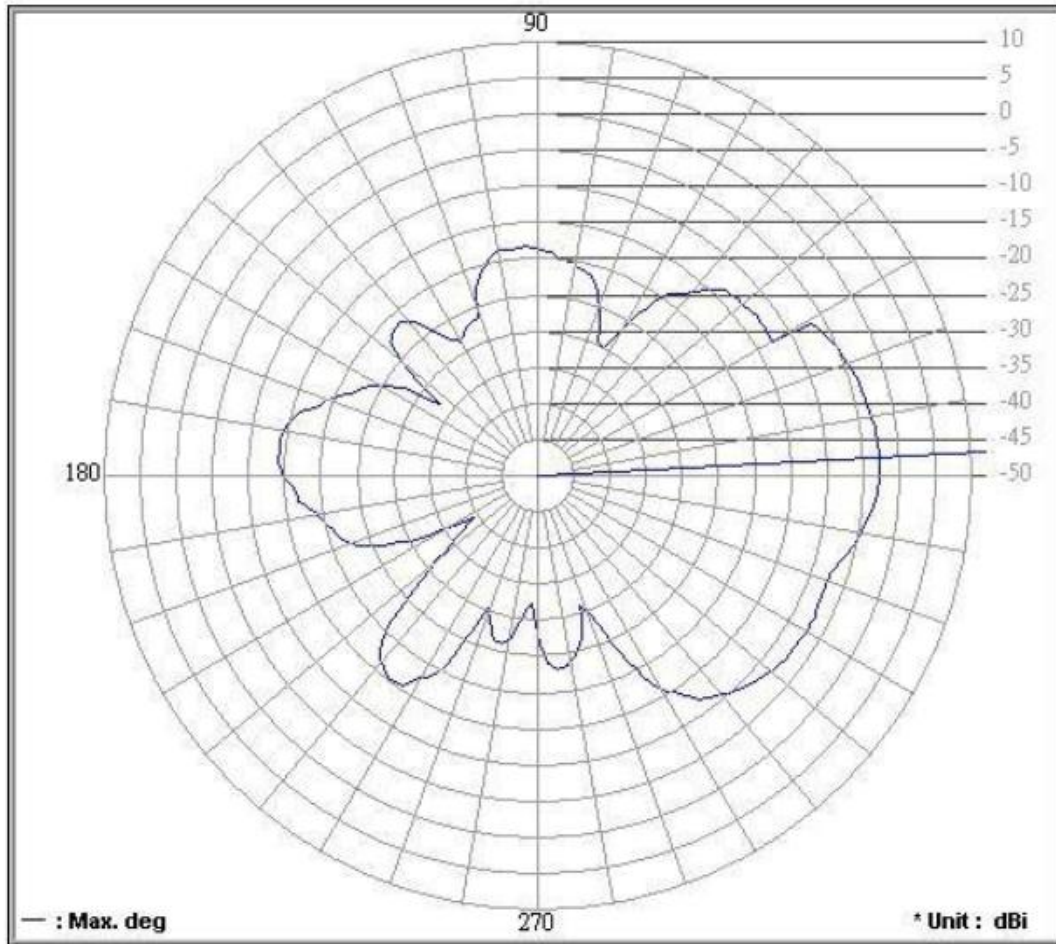
Minimum Gain (dB) : **-30.92**

Minimum Gain (degree) : **186**

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## 2.2 Vertical



Frequency (MHz): **2441.00**

Antenna Polarity: **Vertical**

Average Gain (dB): **-11.06**

Maximum Gain (dB): **-2.58**

Maximum Gain (degree): **3**

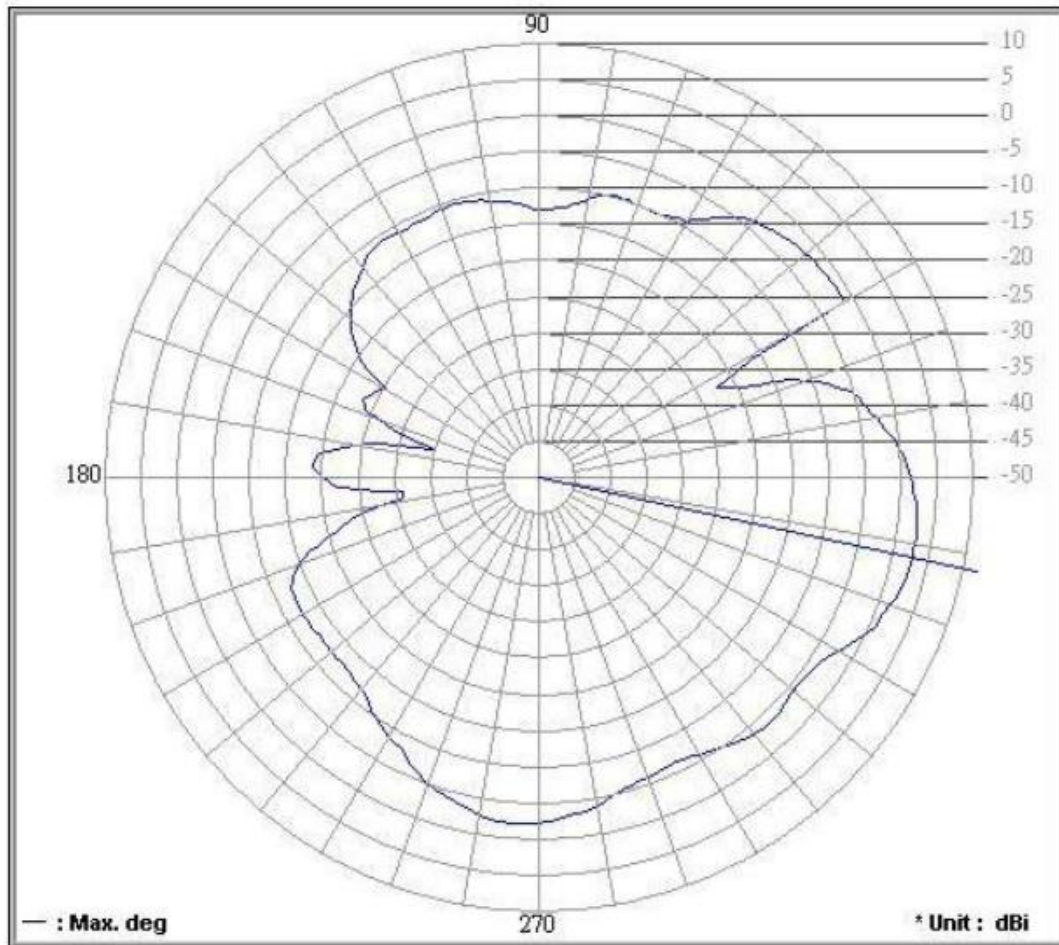
Minimum Gain (dB): **-39.35**

Minimum Gain (degree): **213**

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### 3. Main antenna: 2480 MHz

#### 3.1 Horizontal



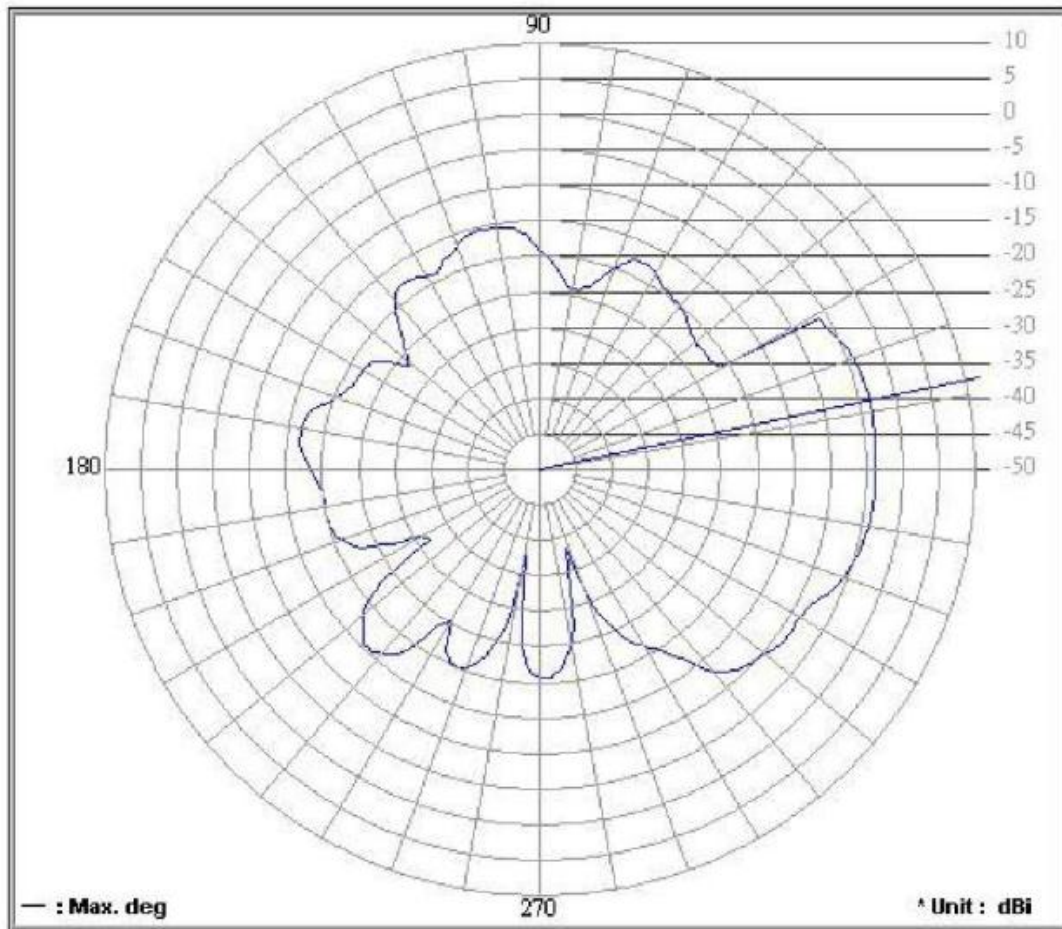
Frequency (MHz): **2480.00**      Antenna Polarity : **Horizontal**      Average Gain (dB): **-4.84**

Maximum Gain (dB): **2.80**      Maximum Gain (degree): **348**

Minimum Gain (dB): **-34.80**      Minimum Gain (degree): **165**

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### 3.2 Vertical



Frequency (MHz) : **2480.00**      Antenna Polarity : **Vertical**      Average Gain (dB) : **-11.34**

Maximum Gain (dB) : **-3.47**      Maximum Gain (degree) : **12**

Minimum Gain (dB) : **-38.33**      Minimum Gain (degree) : **288**

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### 4. Result

Center Frequency		Maximum Ant Gain
2402 MHz	H	3.59 dBi
	V	-1.54 dBi
2441 MHz	H	3.18 dBi
	V	-2.58 dBi
2480 MHz	H	2.80 dBi
	V	-3.47 dBi