

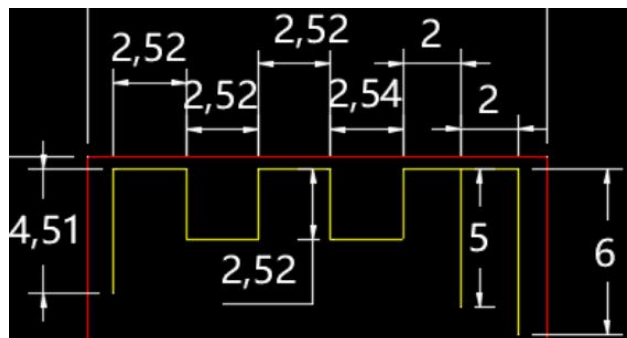
# Antenna Specification

## Specifications

### Summary

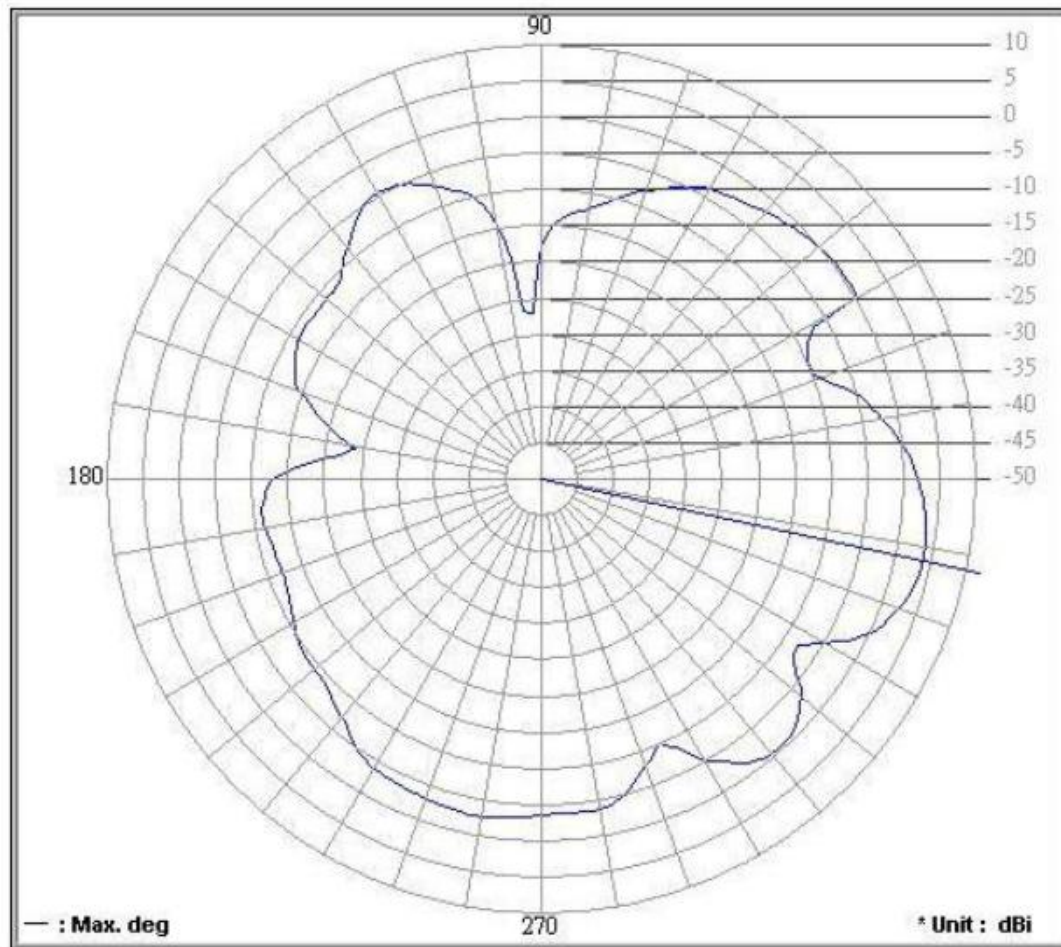
| ITEM                 | SPEC.            |          |
|----------------------|------------------|----------|
| Center Frequency     | 2402 MHz         | 3.85 dBi |
|                      | 2441 MHz         | 3.18 dBi |
|                      | 2479 MHz         | 2.80 dBi |
| MAX. GAIN            | 3.85 dBi         |          |
| Polarization         | Horizontal       |          |
| Azimuth Beam Pattern | Omni-directional |          |
| Impedance            | 50 $\Omega$      |          |
| Antenna Length       | 6.6 mm           |          |

## Antenna Photo & Length



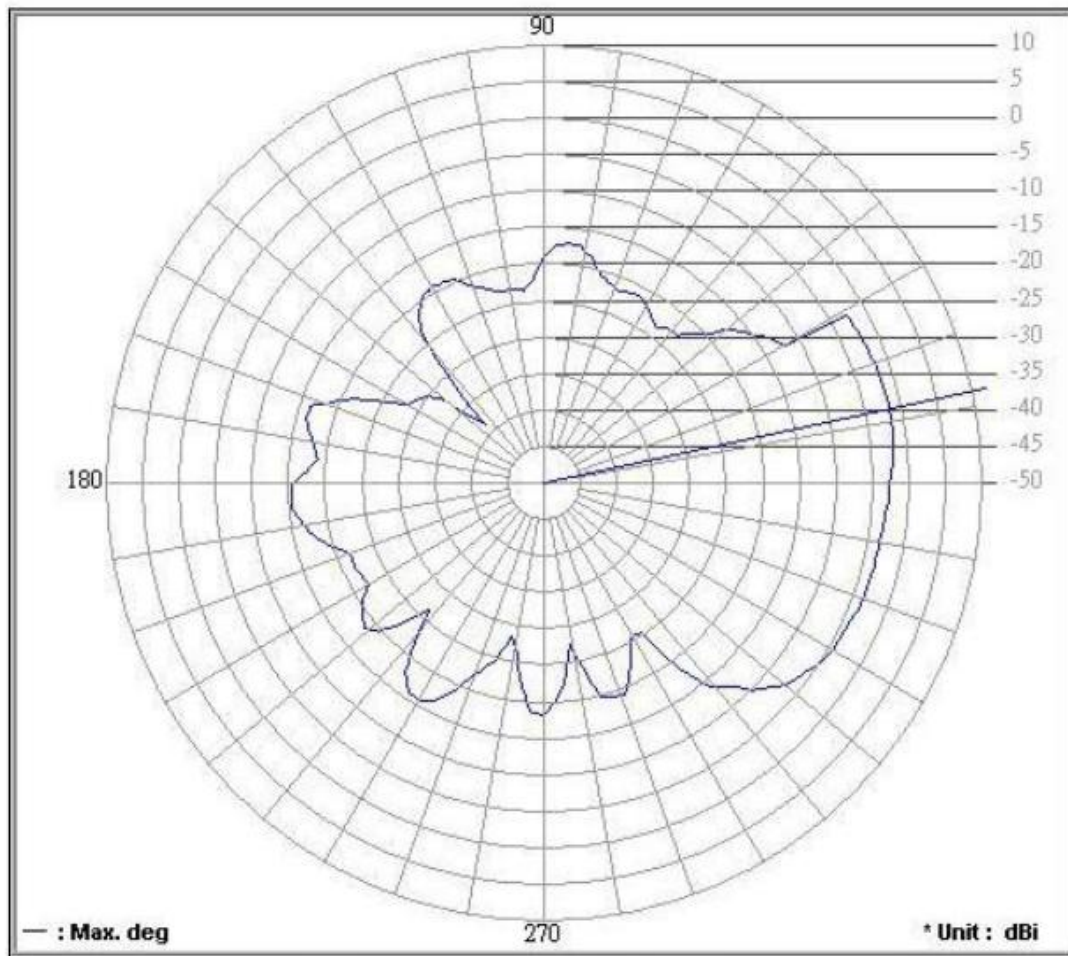
## 1.Main antenna : 2402 MHz

### 1.1 Horizontal

Frequency (MHz): **2402.00**Antenna Polarity: **Horizontal**Average Gain (dB): **-3.64**Maximum Gain (dB): **3.85**Maximum Gain (degree): **348**Minimum Gain (dB): **-27.08**Minimum Gain (degree): **93**

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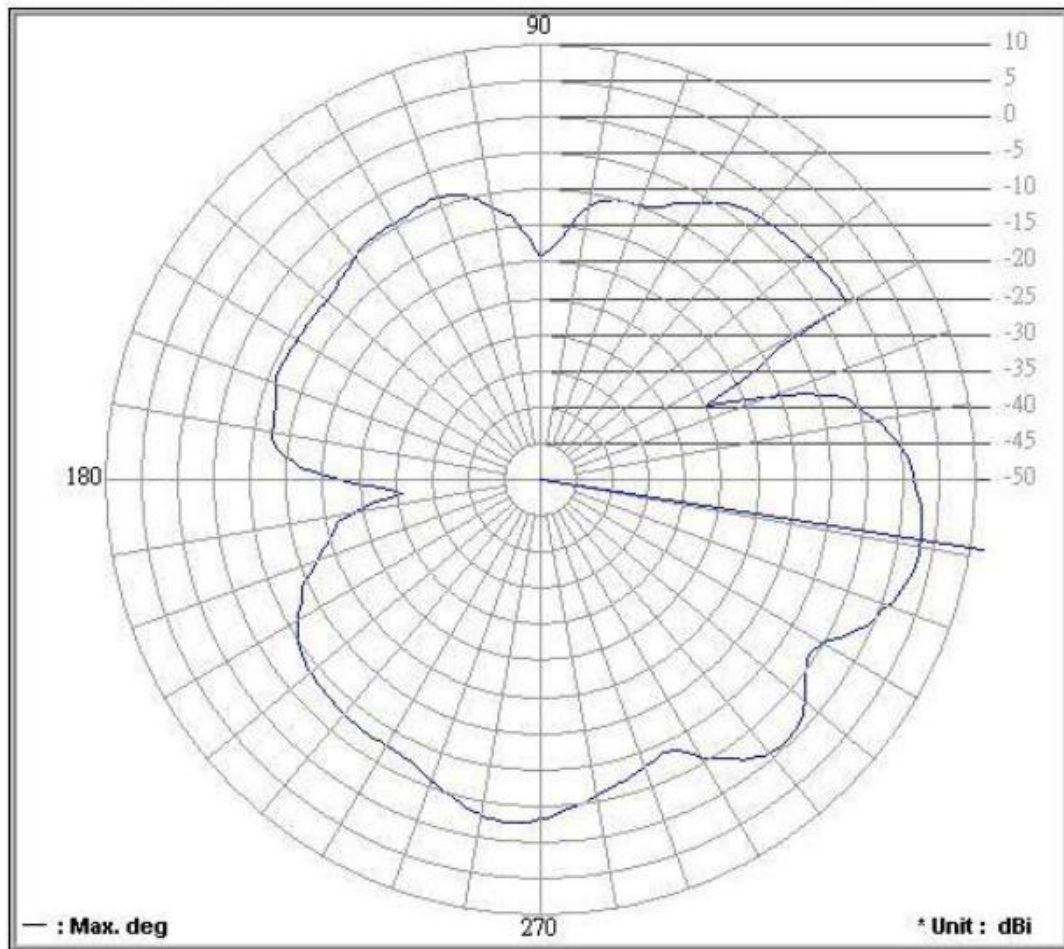
## 1.2 Vertical

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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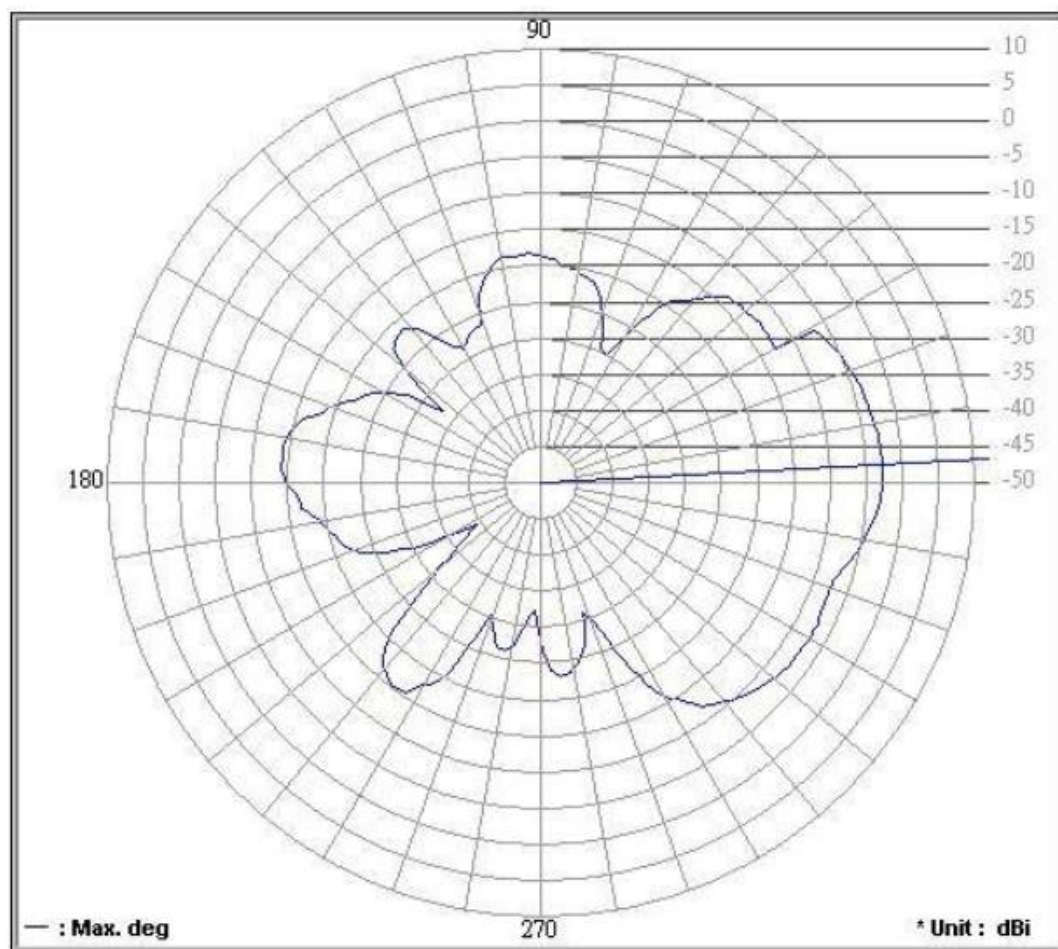
## 2.Main antenna : 2441MHz

### 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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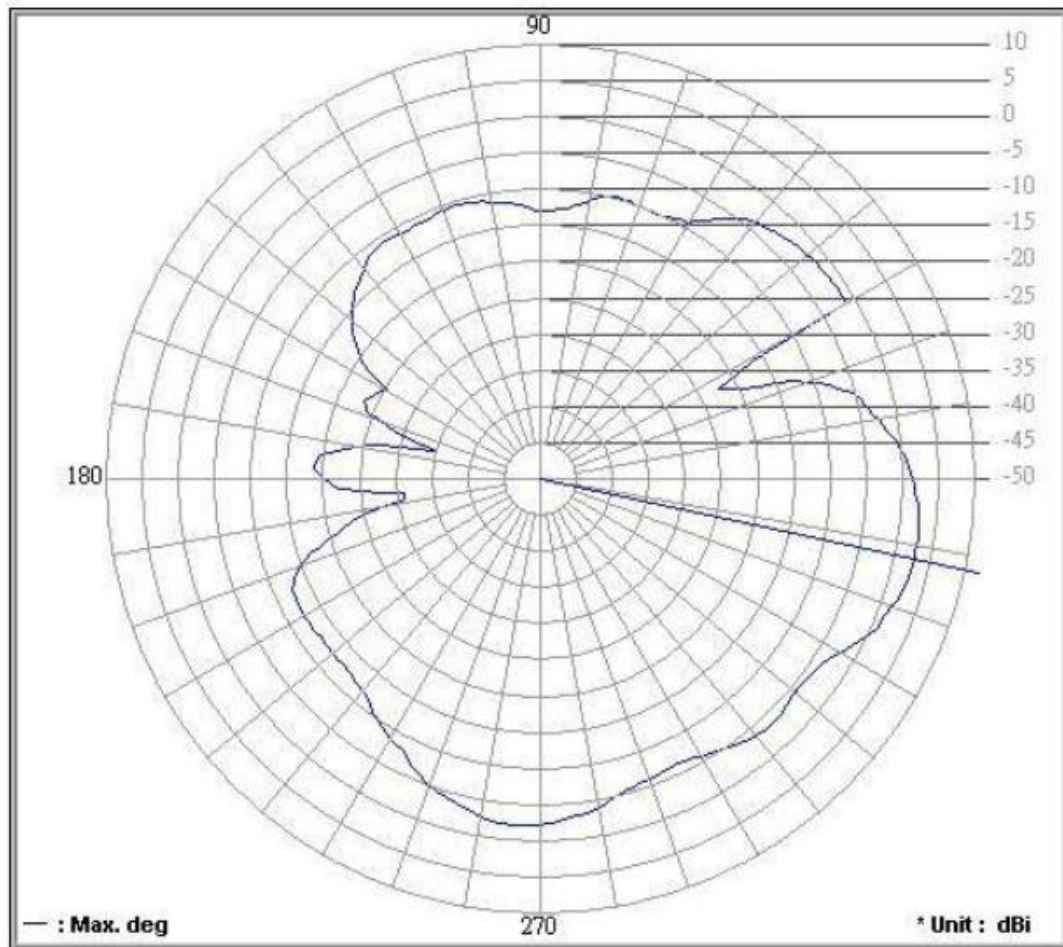
## 2.2 Vertical

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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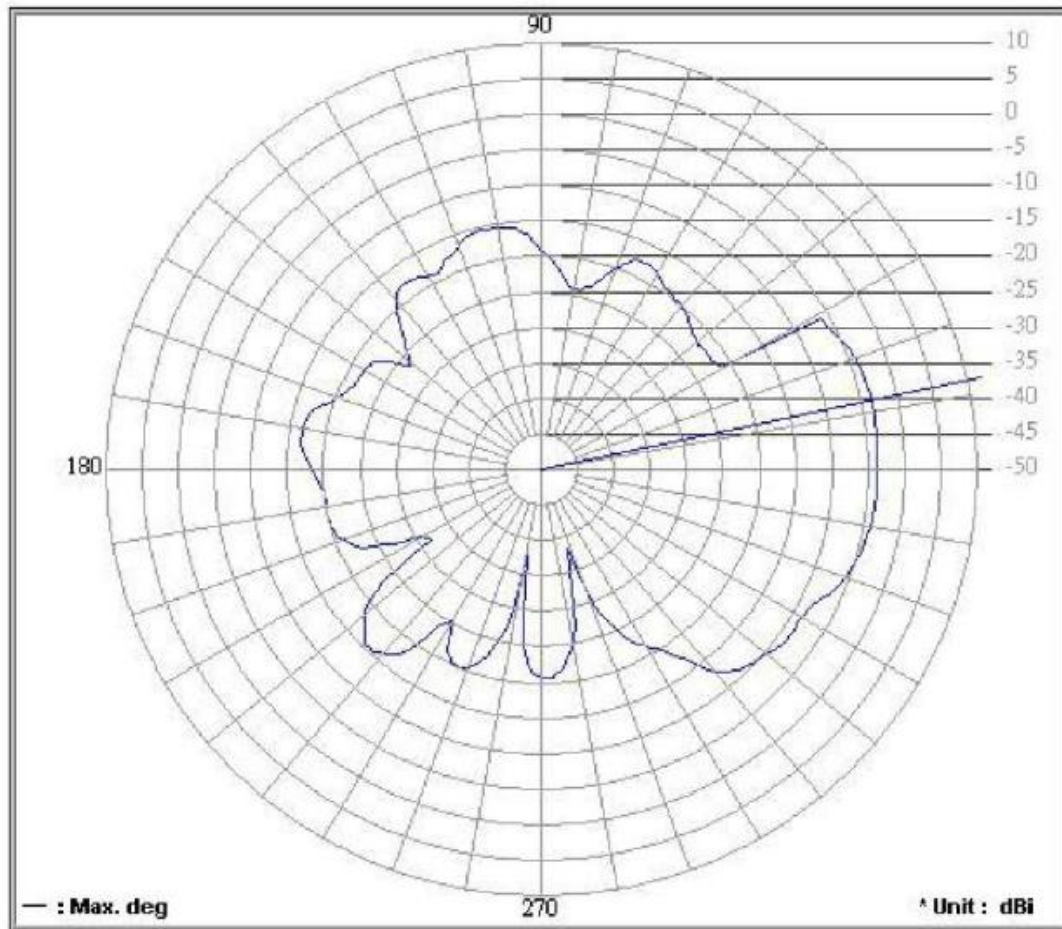
### 3.Main antenna : 2479 MHz

#### 3.1 Horizontal

Frequency (MHz): **2479.00**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) : **2479.00**Antenna Polarity : **Vertical**Average Gain (dBi) : **-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 | 3.85 dBi         |
|                  | V | -1.54 dBi        |
| 2441 MHz         | H | 3.18 dBi         |
|                  | V | -2.58 dBi        |
| 2479 MHz         | H | 2.80 dBi         |
|                  | V | -3.47 dBi        |