

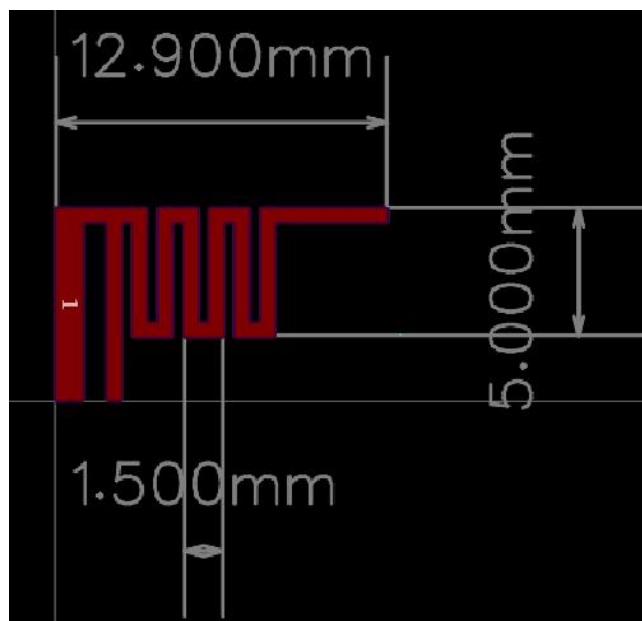
# Antenna Specification

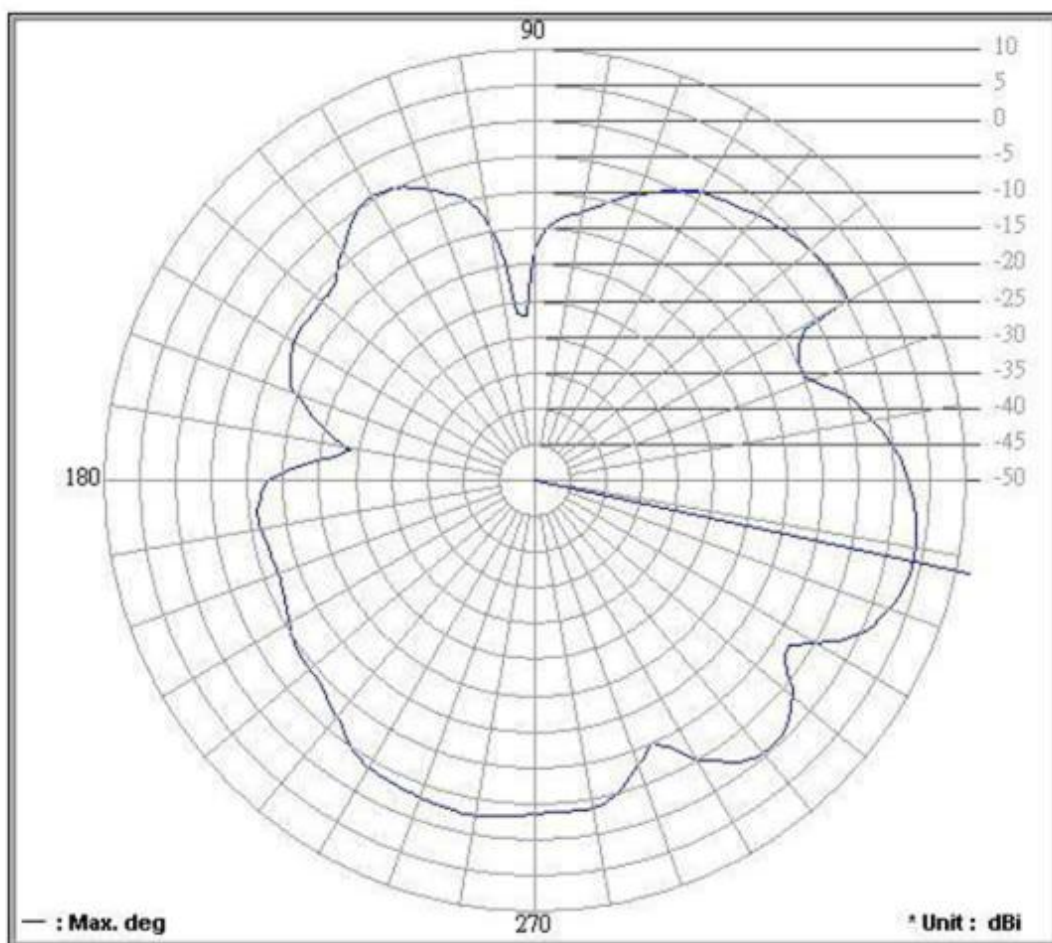
## Specifications

### Summary

| ITEM                 | SPEC.                                                                                                      |                               |
|----------------------|------------------------------------------------------------------------------------------------------------|-------------------------------|
| Mode Name            | ANT                                                                                                        |                               |
| Company Name         | Hi-Dow Electron Technology (Hefei) Inc., Ltd.                                                              |                               |
| Company Address      | Building D17/22, Baiyan Sci-tech Industrial Park,<br>No.168 Xiangzhang Road, Hefei, Anhui,230088,P.R.China |                               |
| Center Frequency     | 2402MHz<br>2441MHz<br>2479MHz                                                                              | 1.85dBi<br>1.82dBi<br>1.80dBi |
| MAX. GAIN            | 1.85dBi                                                                                                    |                               |
| Polarization         | Horizontal                                                                                                 |                               |
| Azimuth Beam Pattern | Omni-directional                                                                                           |                               |
| Impedance            | 50 $\Omega$                                                                                                |                               |
| Antenna Length       | 12.9mm                                                                                                     |                               |

### Antenna Photo & Length (mm)





Frequency (MHz) : **2402.00**

Antenna Polarity : **Horizontal**

Average Gain (dB) : **-3.64**

Maximum Gain (dB) : **1.85**

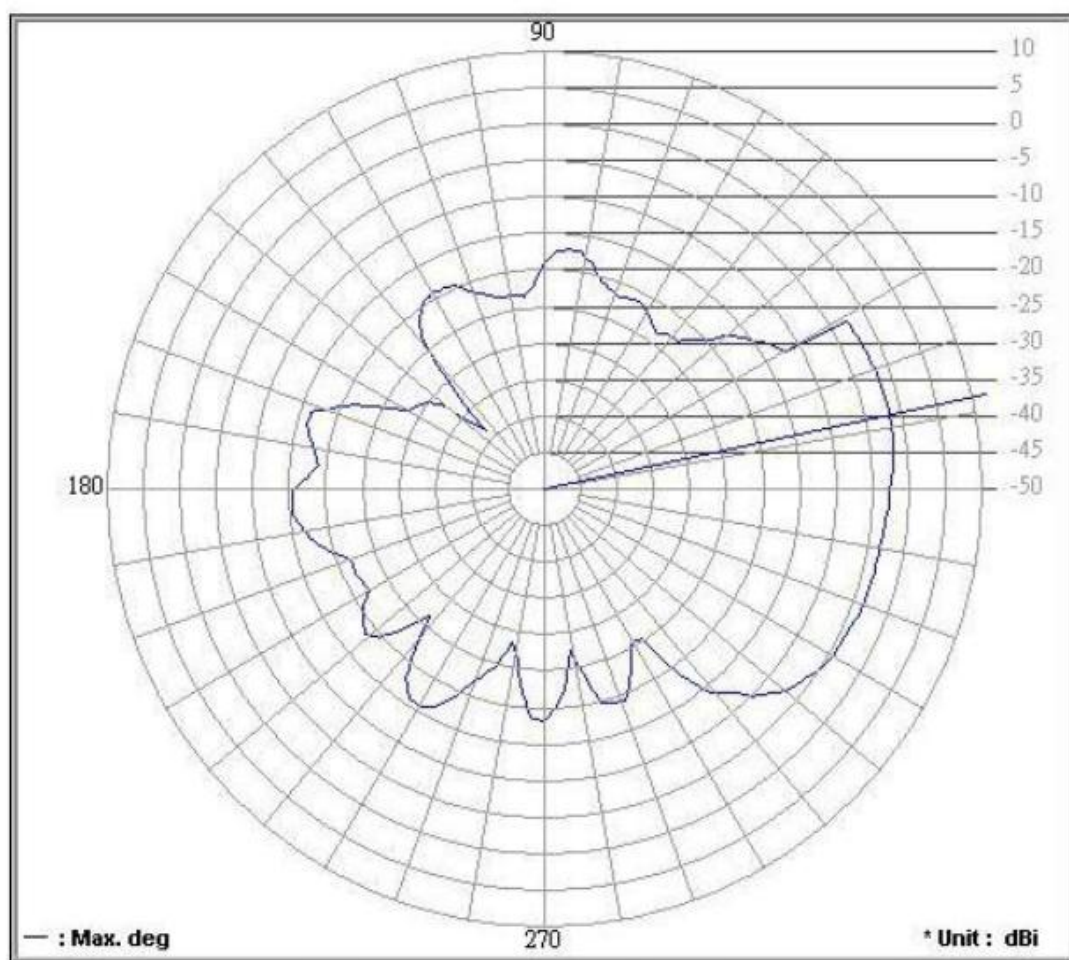
Maximum Gain (degree) : **348**

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**

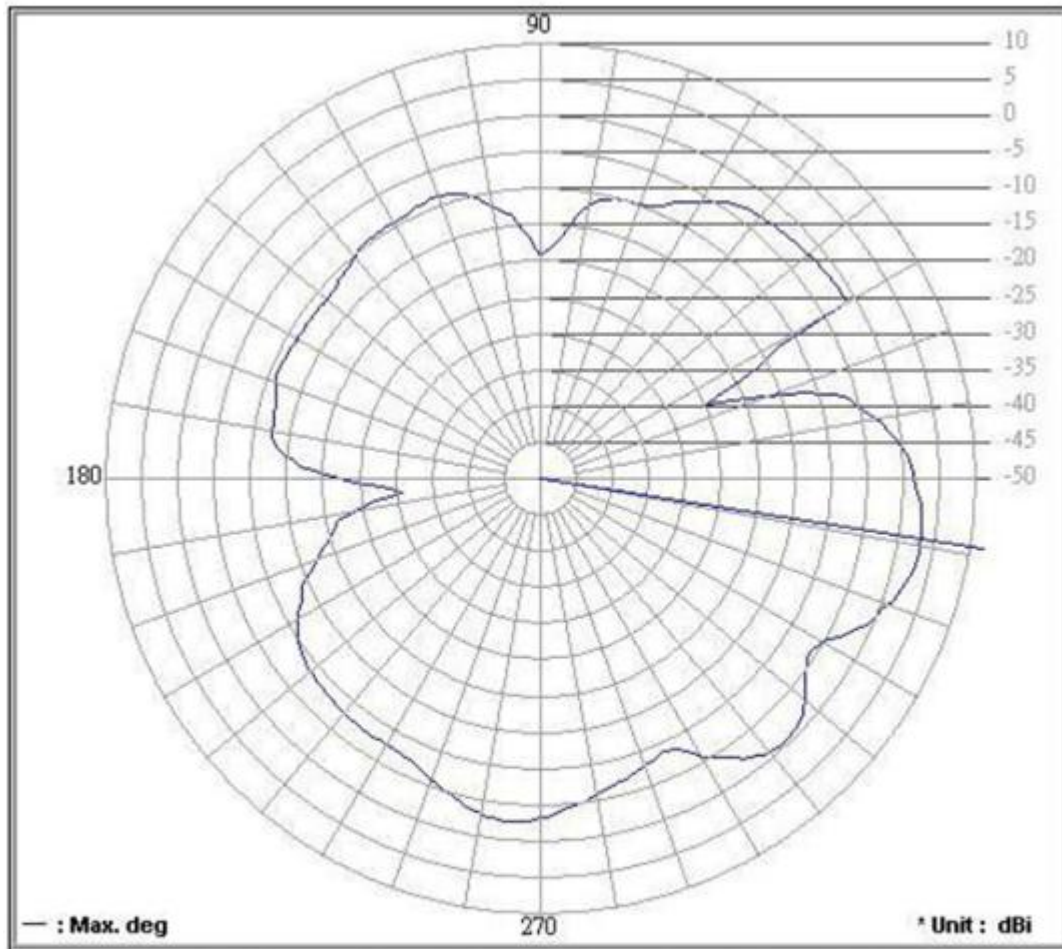
Maximum Gain (dB): **-1.54**

Maximum Gain (degree): **12**

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

Minimum Gain (degree): **135**

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Frequency (MHz) : **2441.00**

Antenna Polarity : **Horizontal**

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

Maximum Gain (dB) : **1.82**

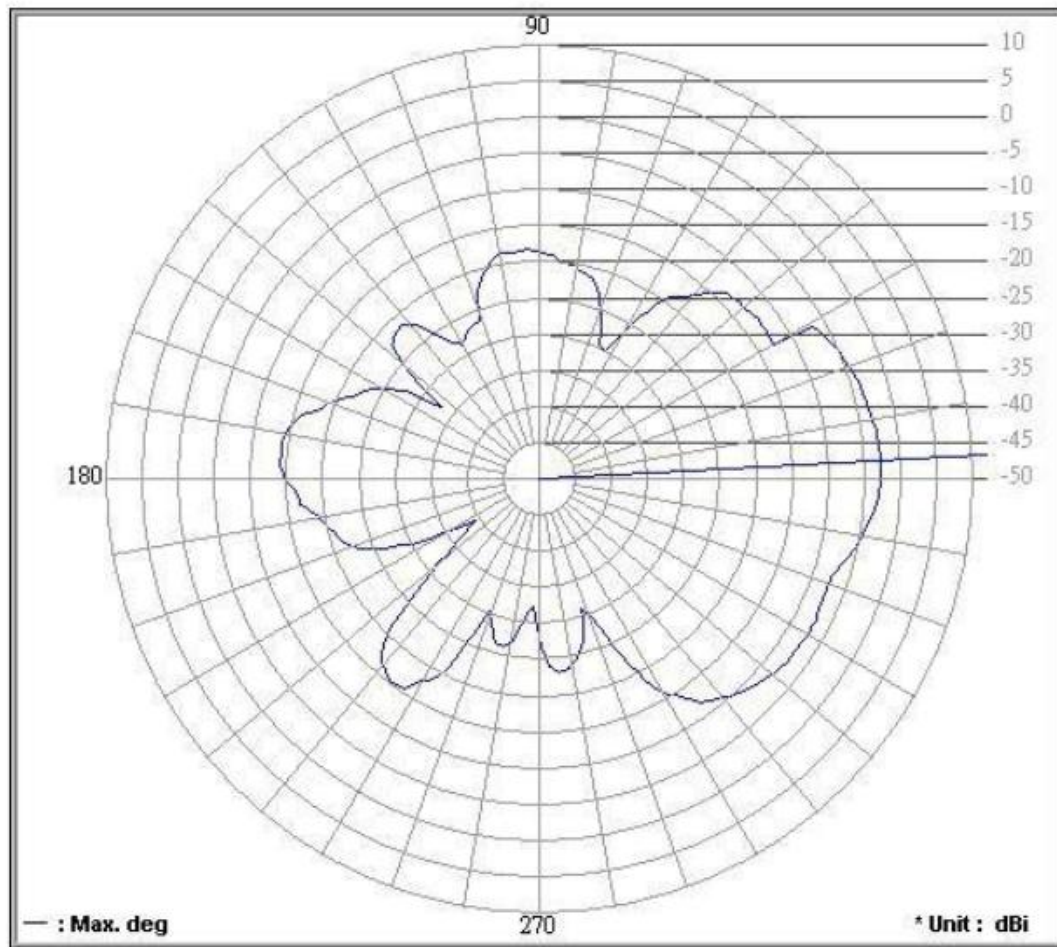
Maximum Gain (degree) : **351**

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**

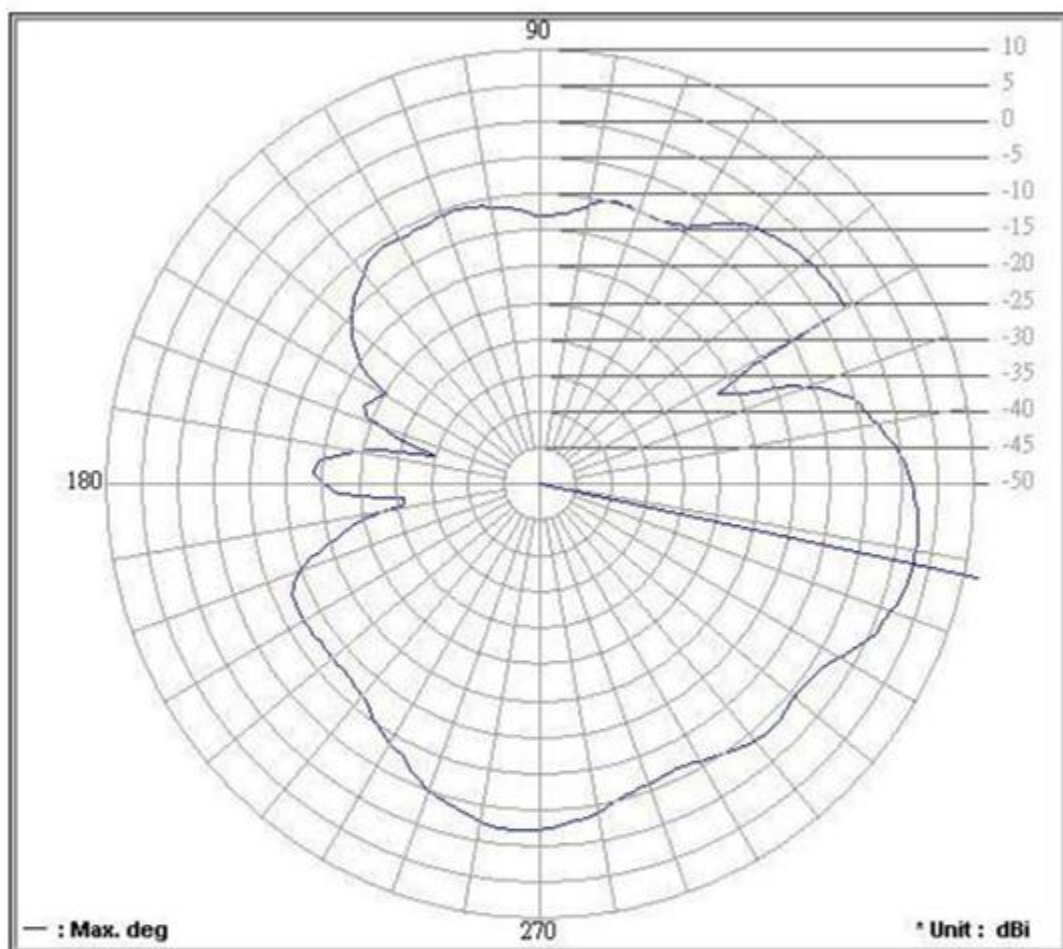
Maximum Gain (dB) : **-2.58**

Maximum Gain (degree) : **3**

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

Minimum Gain (degree) : **213**

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Frequency (MHz) : **2479.00**

Antenna Polarity : **Horizontal**

Average Gain (dB) : **-4.84**

Maximum Gain (dB) : **1.80**

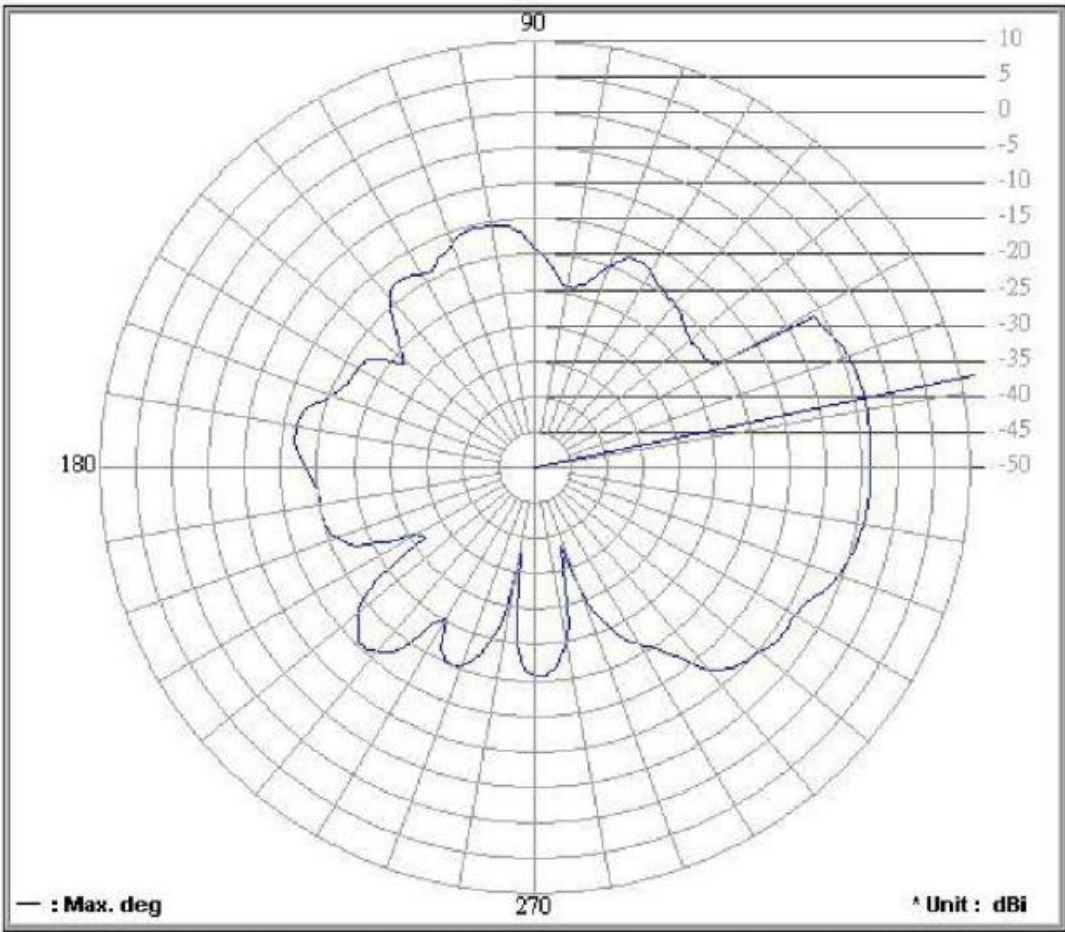
Maximum Gain (degree) : **348**

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 (dB) : **-11.34**

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

Minimum Gain (dB) : **-38.33**      Minimum Gain (degree) : **208**

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| Center Frequency |   | Maximum Ant Gain |
|------------------|---|------------------|
| 2402 MHz         | H | 1.85 dBi         |
|                  | V | -1.54 dBi        |
| 2441 MHz         | H | 1.82 dBi         |
|                  | V | -2.58 dBi        |
| 2479 MHz         | H | 1.80 dBi         |
|                  | V | -3.47 dBi        |