

# Antenna Specification

Shenzhen Huaxing Shuangchen Technology Co., Ltd

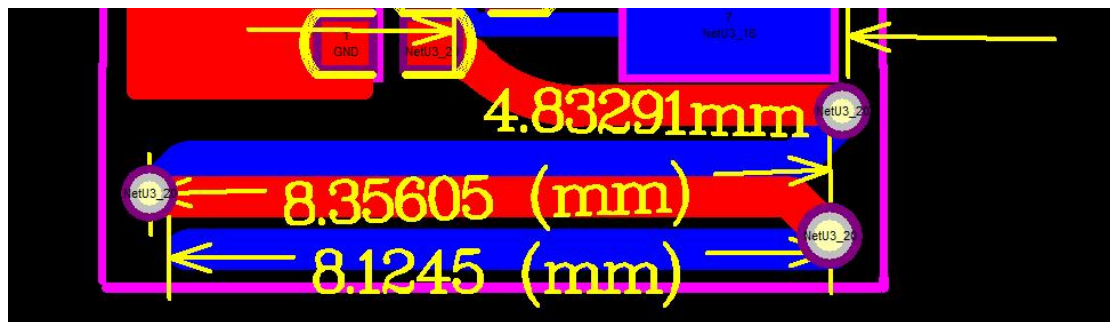
Address: 4th Floor, Building A2, Donghua Industrial Zone,  
Sanwei Intersection, Bao'an Avenue, Bao'an District, Shenzhen,  
Guangdong

## Specifications

### Summary

| ITEM                 | SPEC.            |
|----------------------|------------------|
| Model Name           | R12-8510         |
| Center Frequency     | 2405MHz 1.6dBi   |
|                      | 2451MHz 1.48dBi  |
|                      | 2475MHz 1.35dBi  |
| MAX. GAIN            | 1.6 dBi          |
| Polarization         | Horizontal       |
| Azimuth Beam Pattern | Omni-directional |
| Impedance            | 50 $\Omega$      |

AntennaPhoto&Length (mm)

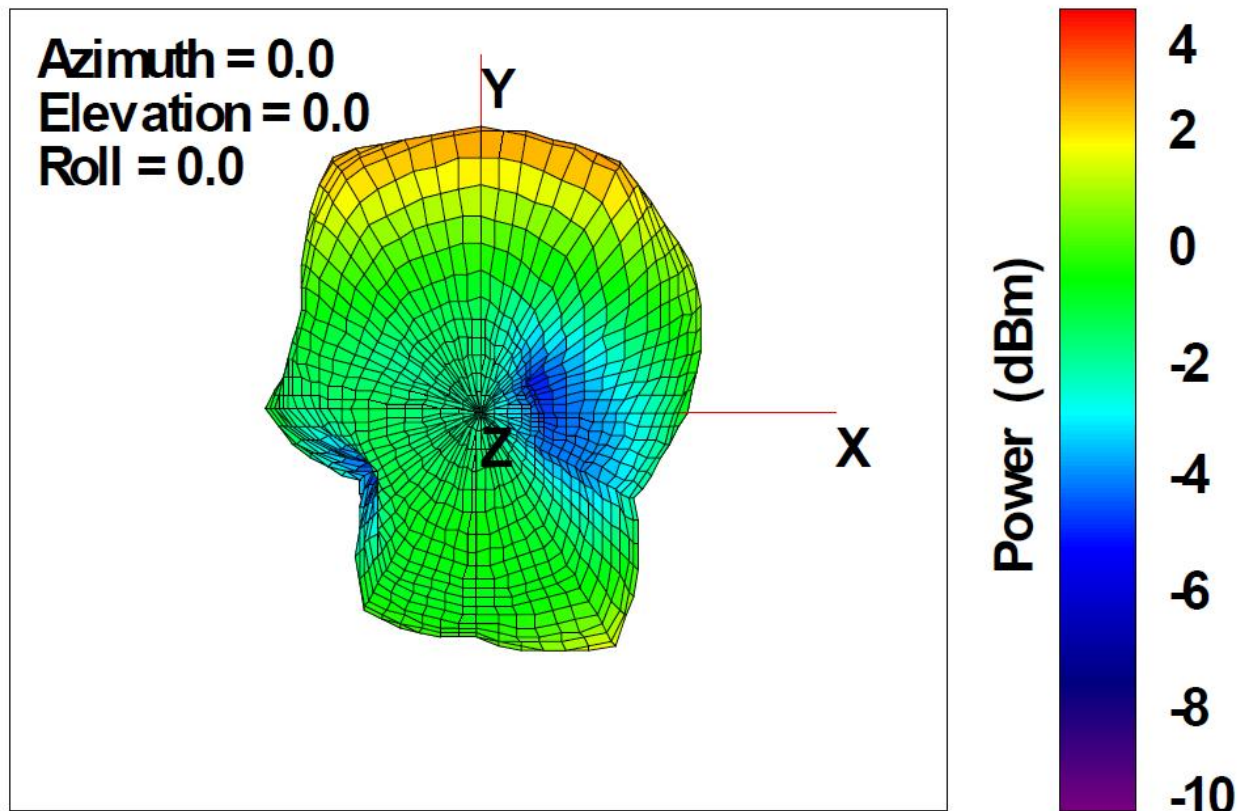


1. Main antenna : 2405MHz

1.1

Horizontal

## Total EIRP, Top View



Frequency (MHZ) : 2405      Antenna Polarity: Horizontal

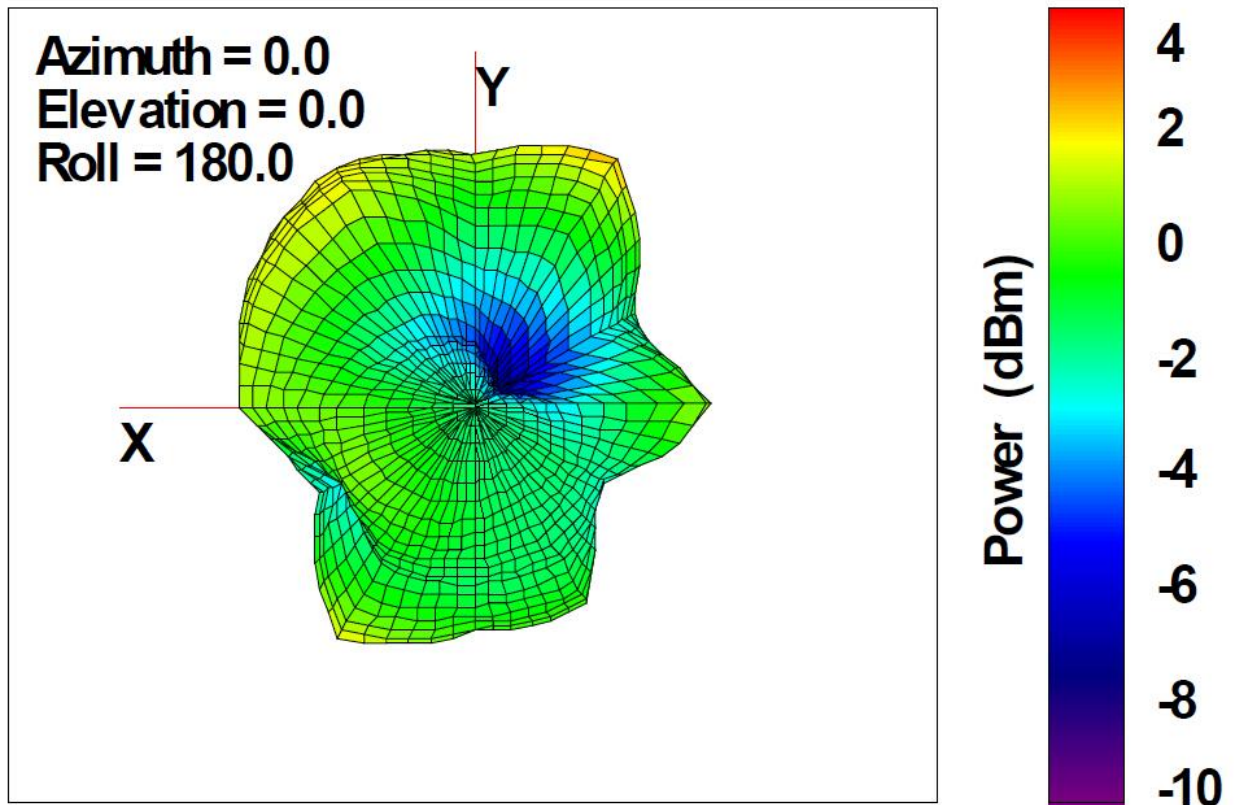
Maximum Value (dBi) : 1.6

Average Gain (dBi) : -1.4

Minimum Gain (dBi) : -61.26

## 1.2 Vertical

### Total EIRP, Bottom View



Frequency(MHZ) : 2405 Antenna Polarity: Vertical

Maximum Value(dBi) : -2.85

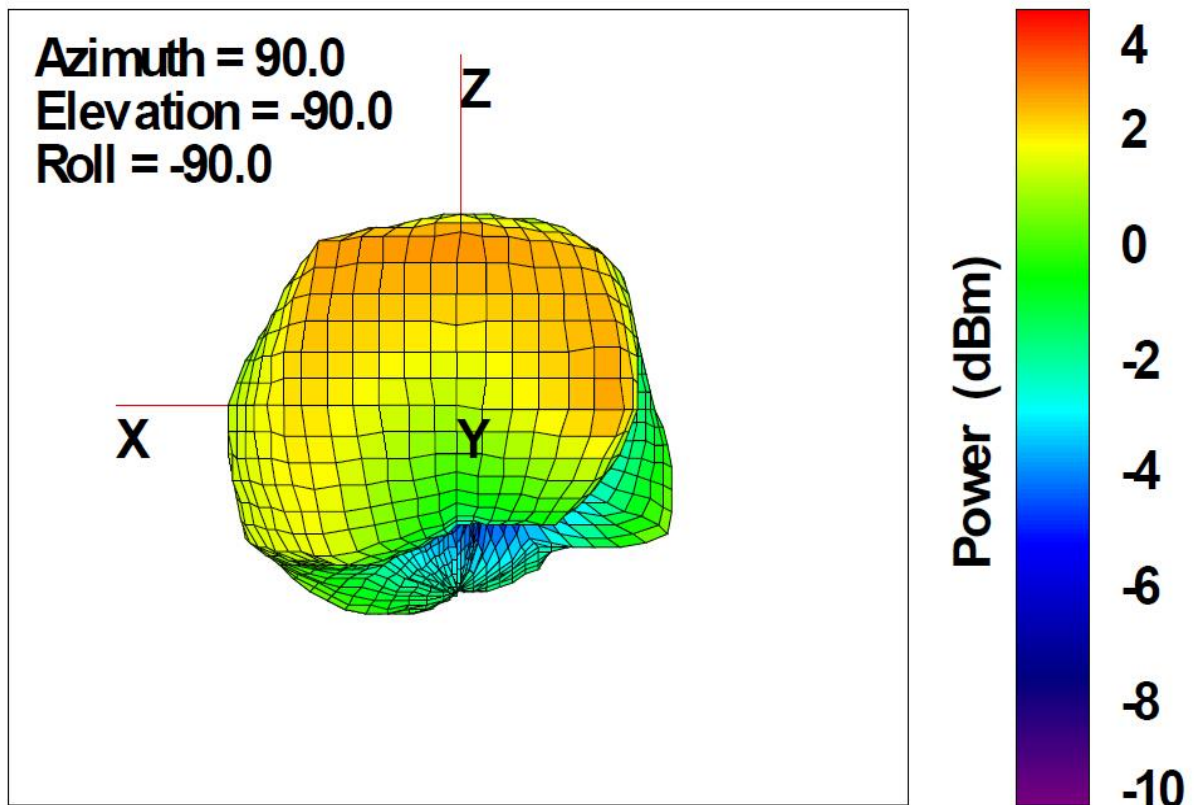
Average Gain(dBi) : -12

Minimum Gain(dBi) : -64

2. Main antenna : 2451 MHz

2.1 Horizontal

## Total EIRP, Right Side View



Frequency(MHZ) : 2451 Antenna Polarity: Horizontal

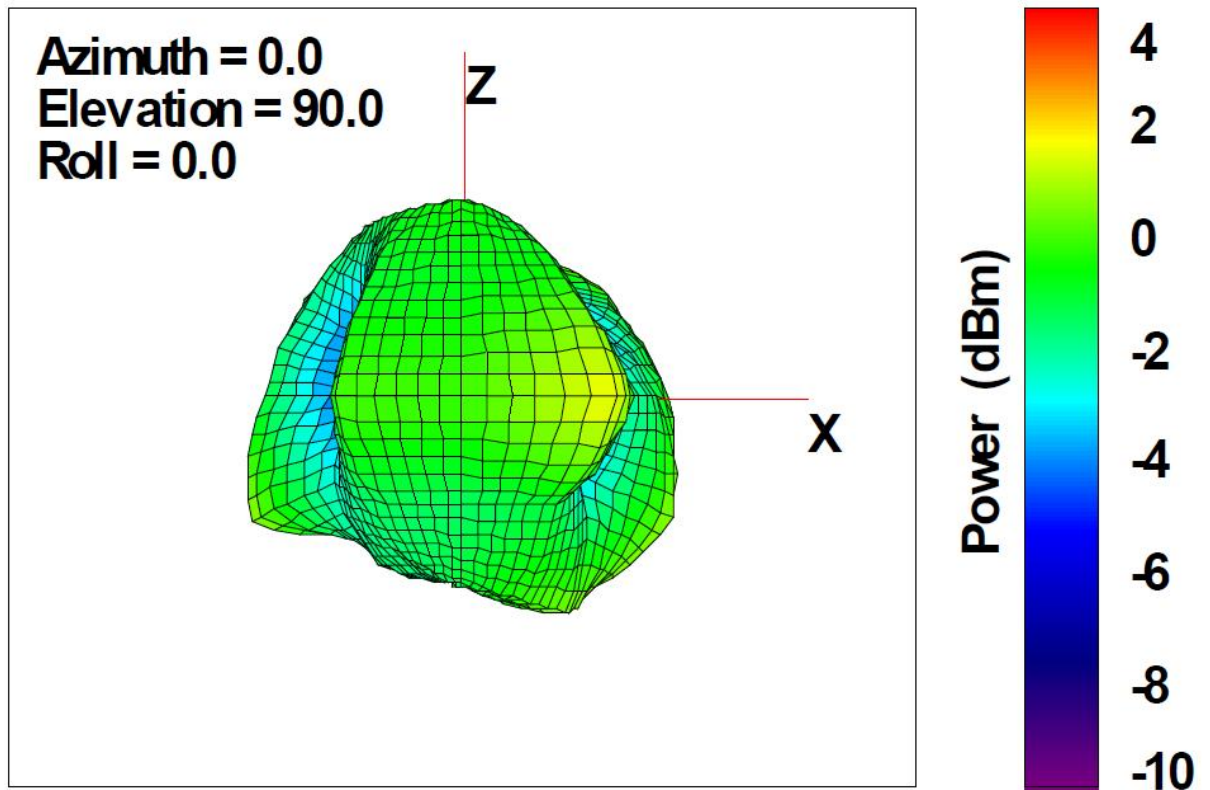
Maximum Value(dBi) : 1.34

Average Gain(dBi) : -1.2

Minimum Gain(dBi) : -60

## 2.2 Vertical

### Total EIRP, Left Side View



Frequency(MHZ) : 2451 Antenna Polarity: Vertical

Maximum Value (dBi) : -3.0

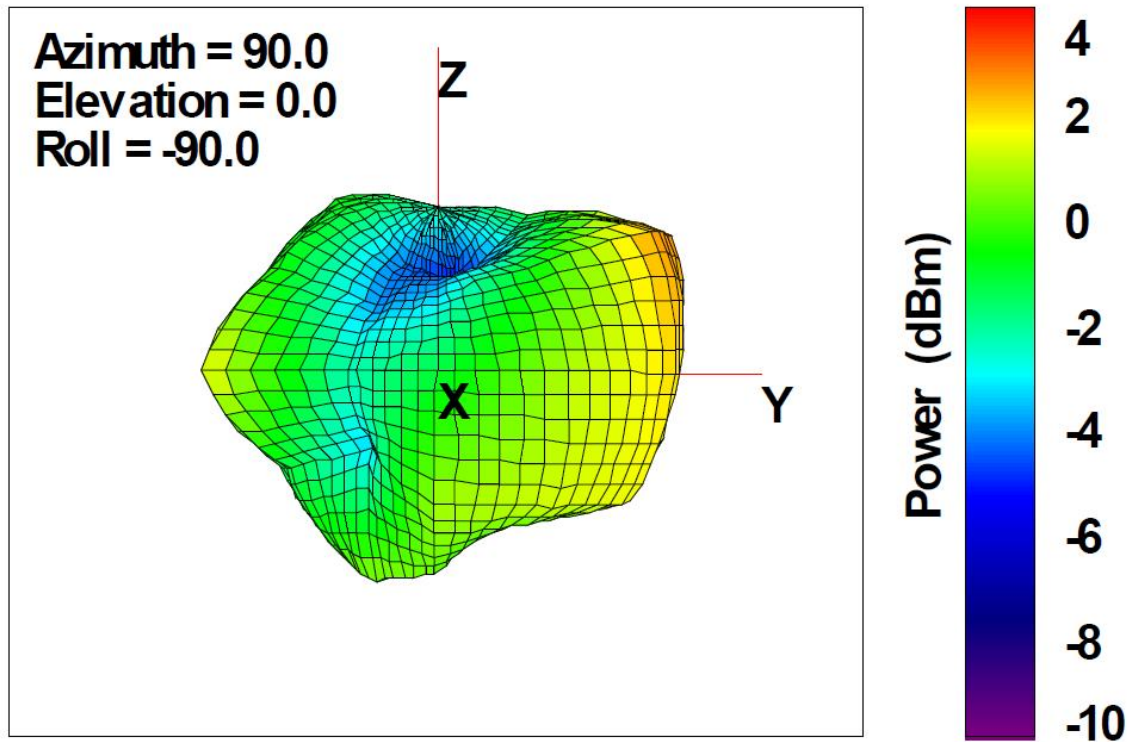
Average Gain (dBi) : -12

Minimum Gain (dBi) : -54

3. Main antenna : 2475MHz

2.1 Horizontal

## Total EIRP, Front View



Frequency(MHZ) : 2475 Antenna Polarity: Horizontal

Maximum Value(dBi) : 1.4

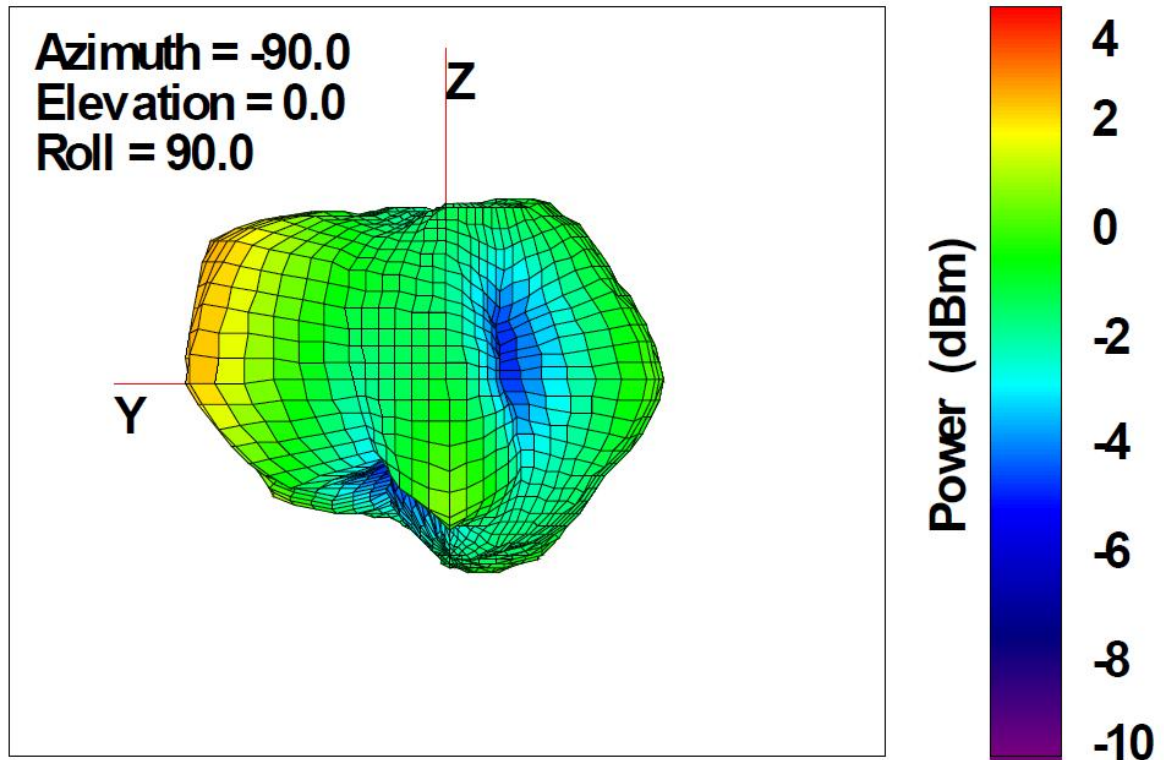
Average Gain(dBi) : -2.5

Minimum Gain(dBi) : -52



## 2.2 Vertical

### Total EIRP, Back View



Frequency (MHZ) : 2475 Antenna Polarity: Vertical

Maximum Value (dBi) : -4.5

Average Gain (dBi) : -11

Minimum Gain (dBi) : -50