

Antenna Specification

1. Antenna Manufacturer Information

Manufacturer Name	Jiangsu Shenying Information Technology Co., Ltd.
Manufacturer Address	Dingshu Town, South of Tangshu Road, East of Shenying Road, Yixing City
Model	ANT-V103 Series
Product Type	1.8G/1.9G Dual-band Omni-directional Antenna

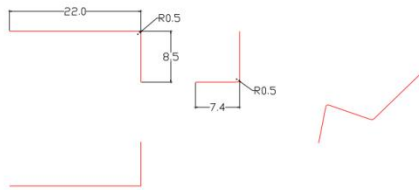
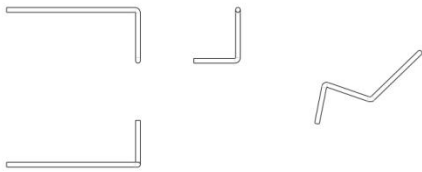
2. Key Electrical Specifications

Operating Frequency Range	1780MHz ~ 1930MHz
Antenna Gain	0.5dBi
Input Impedance	50Ω
Radiation Pattern	Omni-directional Radiation

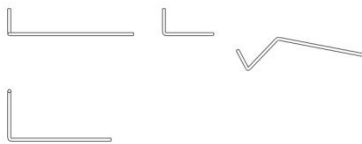
3. Mechanical & Physical Parameters

Antenna Material	Copper
Overall Dimension	See attached drawing

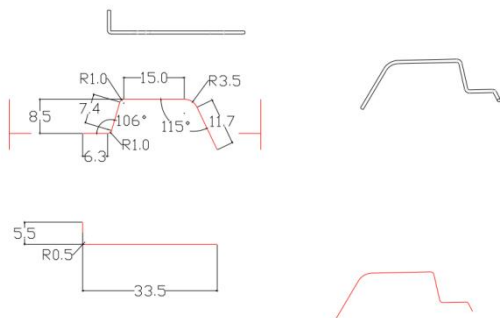
BS Ant0



BS Ant1



HS Ant0



4. Antenna Gain 2D/3D Radiation Pattern

4.1 General Description

This is an omni-directional antenna with uniform 360° horizontal coverage and optimized vertical downtilt coverage without obvious blind zone, applicable for indoor & outdoor full-range wireless signal coverage.

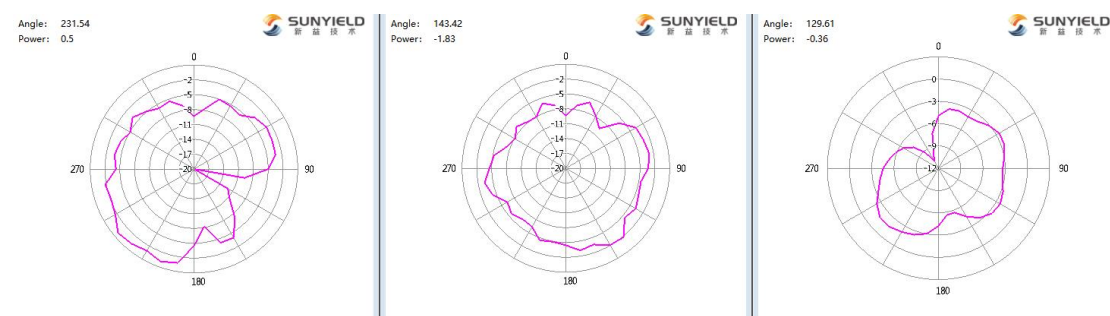
4.2 2D Radiation Pattern

1、2D Pattern @1.8GHz/1.9GHz

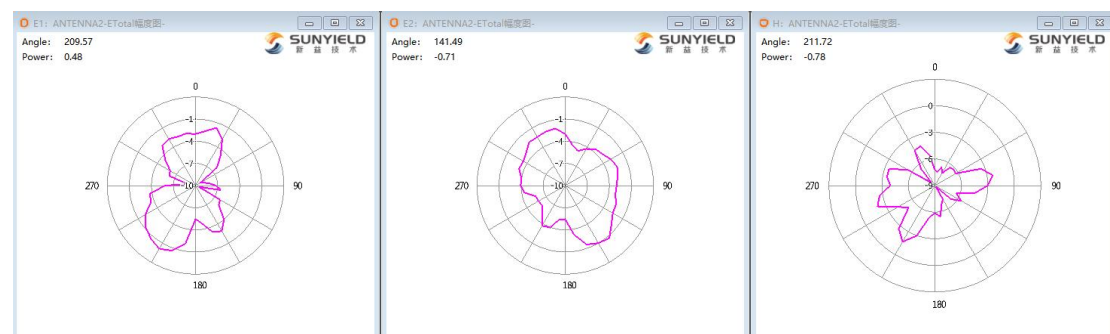
Horizontal Plane (XY Plane): 360° uniform omni radiation with gain fluctuation $\leq 0.5\text{dBi}$ for excellent even coverage;

Vertical Plane (XZ Plane): Moderate elevation coverage, optimized for horizontal communication with gentle signal attenuation at high/low pitch angles.

BS ANT0



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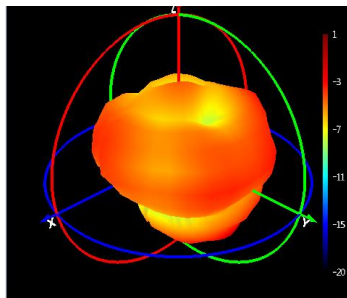
HS ANT0



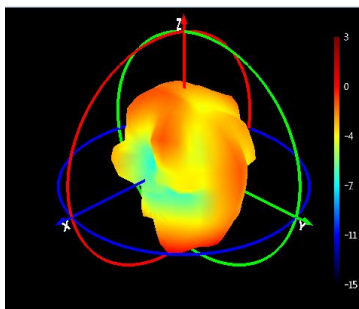
4.3 3D Radiation Pattern

The antenna features standard spherical omni-directional 3D radiation pattern. Zero dead angle on horizontal plane, vertical radiation range matches common wireless communication pitch requirement. High radiation efficiency and balanced signal coverage to satisfy residential, commercial and industrial wireless communication applications.

BS ANT0



BS ANT1



HS ANT0

