



## CIP915

PN: SW22095IA98

### Key features:

- Antenna for 915MHz.
- Small size.
- Impedance 50 Ohm.

### Typical applications:

- Remote monitoring.
- Network Devices.
- Gateway.
- Router/CPE.
- Others.

**Sunnyway Technology**

Add: 1F, Building 4, No.215-99, GaoGuang Road, QingPu District, Shanghai, China

Tel: +86-021-6083 5368

Fax: +86-021-6484 2328

Email: [sales@sunnyway-iot.com](mailto:sales@sunnyway-iot.com) Web: [www.sunnyway-iot.com](http://www.sunnyway-iot.com)

## 1. Introduction

1. Introduction	3
2. Electrical Specification	4
3. Mechanical and Environmental Specification	4
4. Antenna parameters	5
5. Antenna Drawing	7

Sunnyway reserves all rights to this document and the information contained herein. Reproduction, use or disclosure to third parties without express permission is strictly prohibited.



The CIP915 antenna is a high gain, low profile, PCB antenna and mini coaxial cable 915MHz band Omni-directional antenna intended for use in across all 915MHz frequencies.

Typical applications:

- Remote monitoring.
- Network Devices.
- Gateway.
- Router/CPE.
- Others.

## 2. Electrical Specification

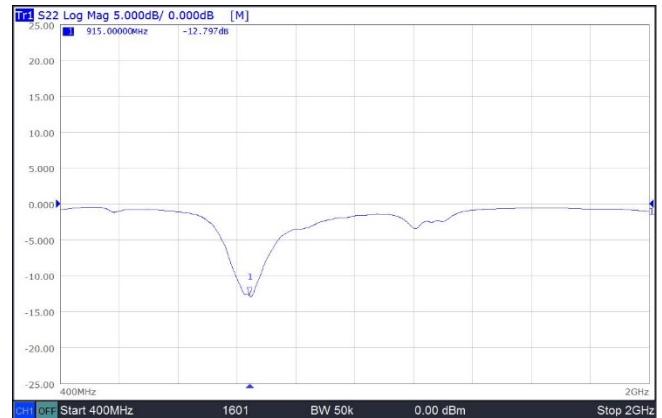
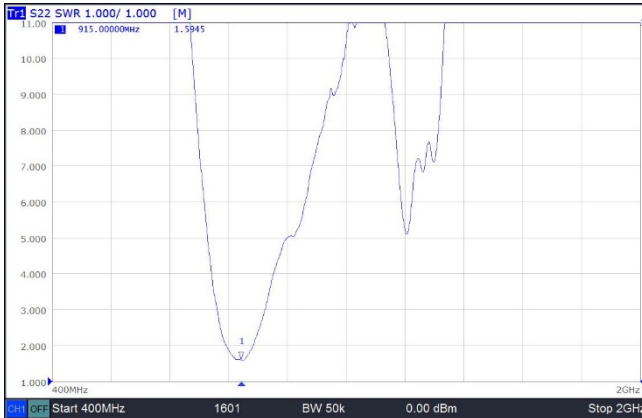
Standard	ISM/LoRa 915MHz
Frequency range (MHz )	915
Peak Gain (dBi )	5.2
Average Gain (dB )	-1.2
VSWR	1.6
Return Loss	-12.8
Efficiency (%)	76.7%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance ( $\Omega$ )	50
Max. Input Power(W)	5

## 3. Mechanical and Environmental Specification

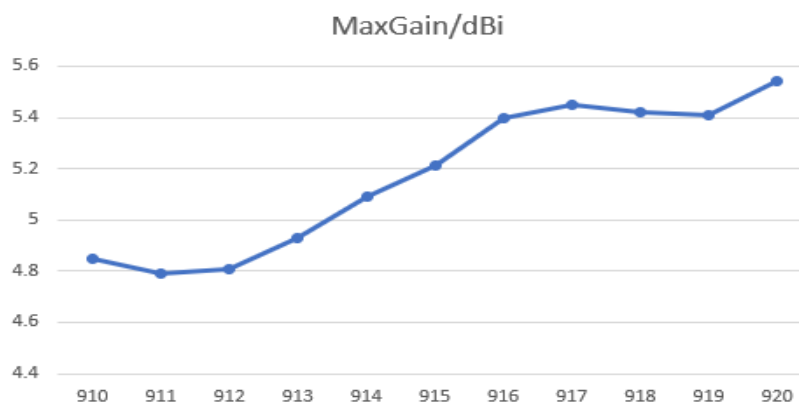
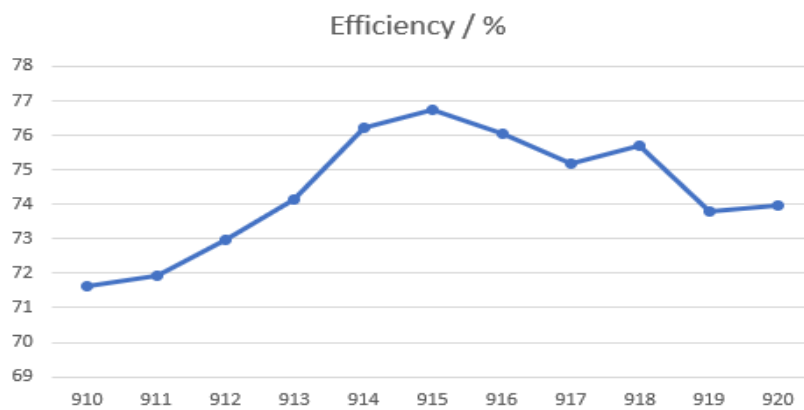
Mounting Type	/
Connector Type	SMA-M
Antenna size(mm)	80*20*0.8( Line length-100mm)
Material	PCB+RG174+SMA-M
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

## 4. Antenna parameters

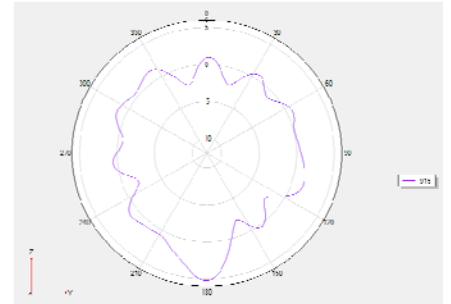
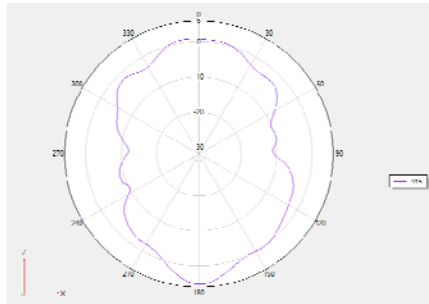
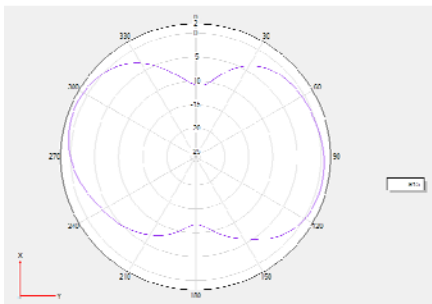
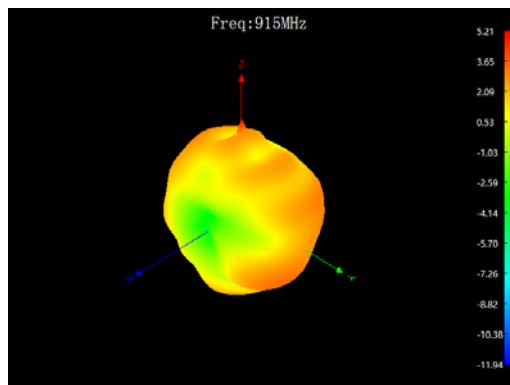
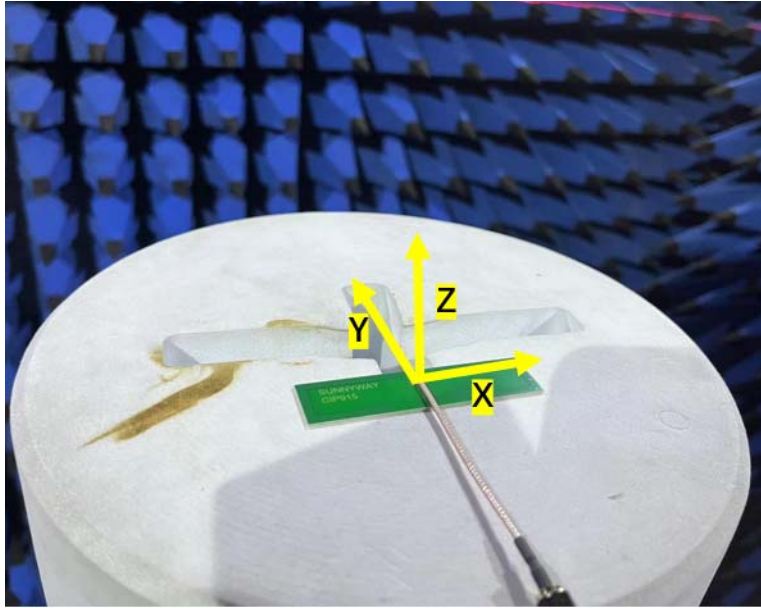
### 4.1 VSWR and Return Loss



### 4.2 Efficiency and Gain



### 4.3 Directional pattern



### 5. Antenna Drawing(Unit:mm)

