



CIP915

PN: SW22095IA98

Key features:

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

Typical applications:

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

1. Introduction

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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

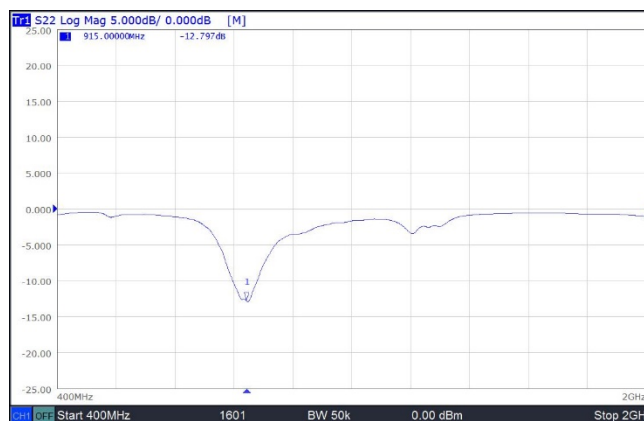
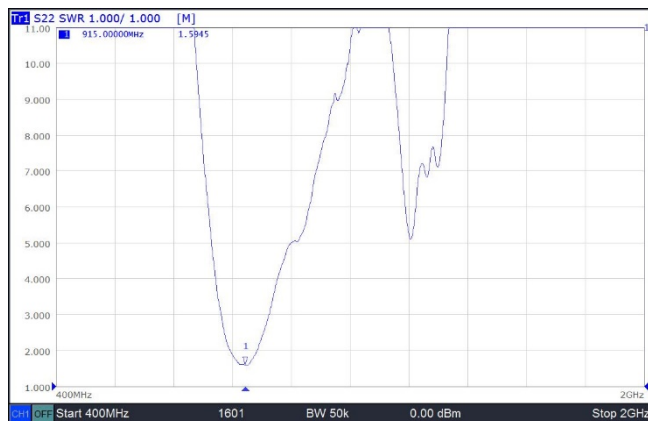
Standard	ISM/LoRa 915MHz
Frequency range (MHz)	915
Peak Gain (dBi)	5.2
Average Gain (dB)	-1.2
VSWR	1.6
Return Loss	-12.8
Efficiency (%)	76.7%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	5

3. Mechanical and Environmental Specification

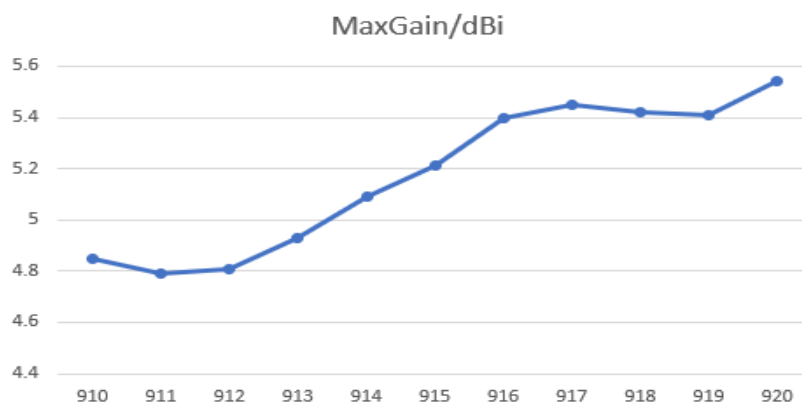
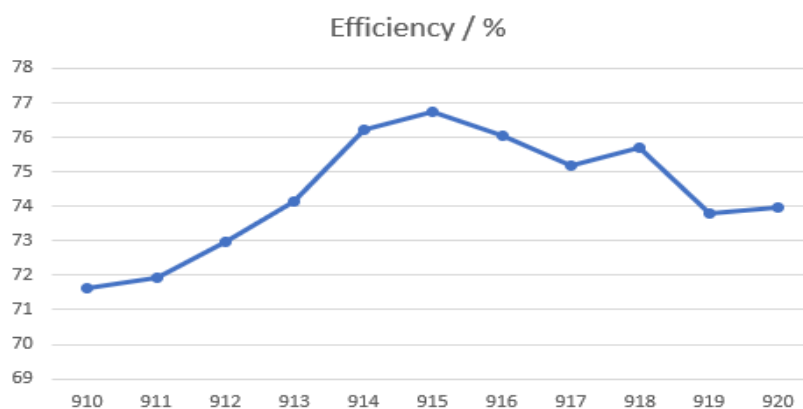
Mounting Type	/
Connector Type	SMA-M
Antenna size(mm)	80*20*0.8(Line length-100mm)
Material	PCB+RG174+SMA-M
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

4. Antenna parameters

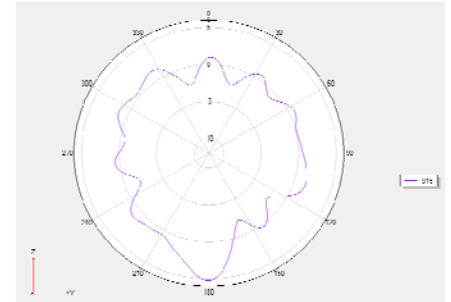
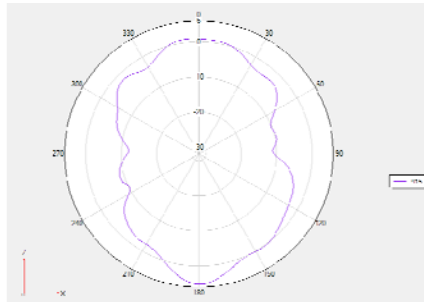
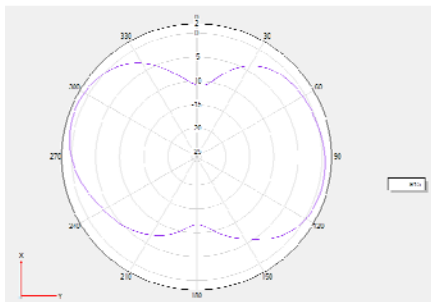
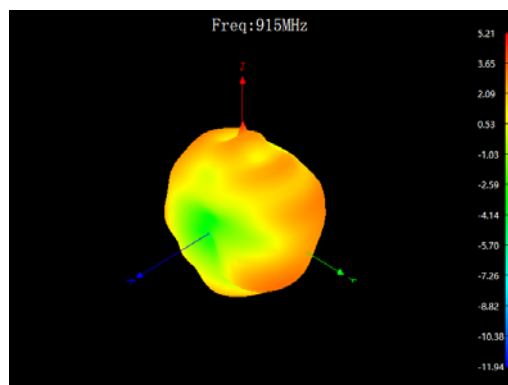
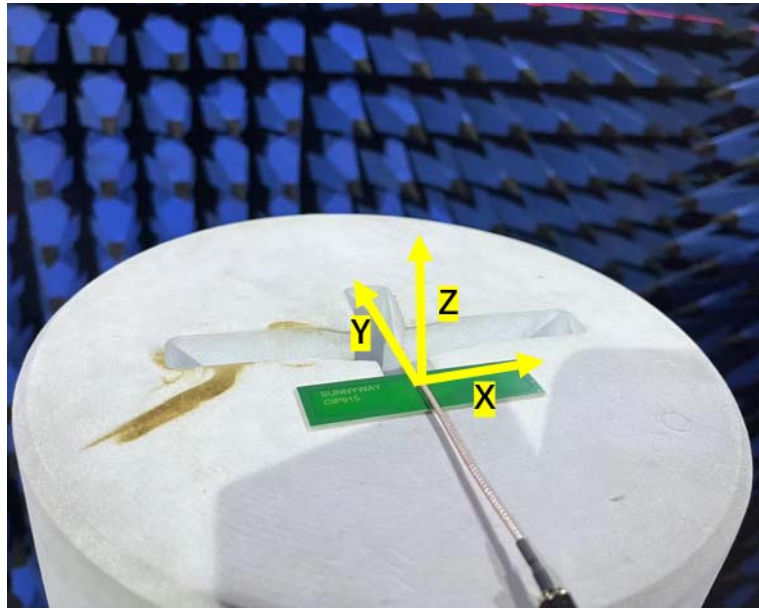
4.1 VSWR and Return Loss



4.2 Efficiency and Gain



4.3 Directional pattern



5. Antenna Drawing(Unit:mm)

