

# ROSA-900-SNM

High Performance Outdoor Omni  
Antenna for 902-928 MHz LoRa &  
ISM

# RFMAX

Series: ROSA



The ROSA-900-SNM is an omni-directional high performance antenna for the 900MHz ISM band. This antenna was designed to accommodate outdoor communications including LoRa protocol for Internet of Things (IOT)

## Features:

- Omni-directional dipole antenna
- LoRa IOT Band Coverage (902-928MHz)
- +2.7 dBi @910MHz nominal peak gain
- High efficiency



[www.rfmax.us](http://www.rfmax.us)

[info@rfmax.us](mailto:info@rfmax.us)

[www.rfmax.us](http://www.rfmax.us)

Rev. 02/2018

**RFMAX**

# ROSA-900-SNM

High Performance Outdoor Omni  
Antenna for 902-928 MHz LoRa &  
ISM



Series: ROSA

## Specifications and Interface

Standard	U.S. LoRa, 900 MHz ISM Band
Frequency range	902-928 MHz
Nominal peak gain	2.7dBi @910MHz, @ Room Temperature
VSWR	< 1.5:1
Feed impedance	50 ohms
Power handling	5 Watts
Interface	50 ohms, N-type (M)
Enclosure rating	Weather rsistant UV stable
Antenna dimensions	Φ28.0mm×225mm
Weight	210g(7.41 oz)
Temperature range	Operating -40°C to+85°C Storage -40°C to +85°C
Environment	Outdoor Mounted Upside Down
Humidity Range	5 to 100%
RoHS	RoHS compliant



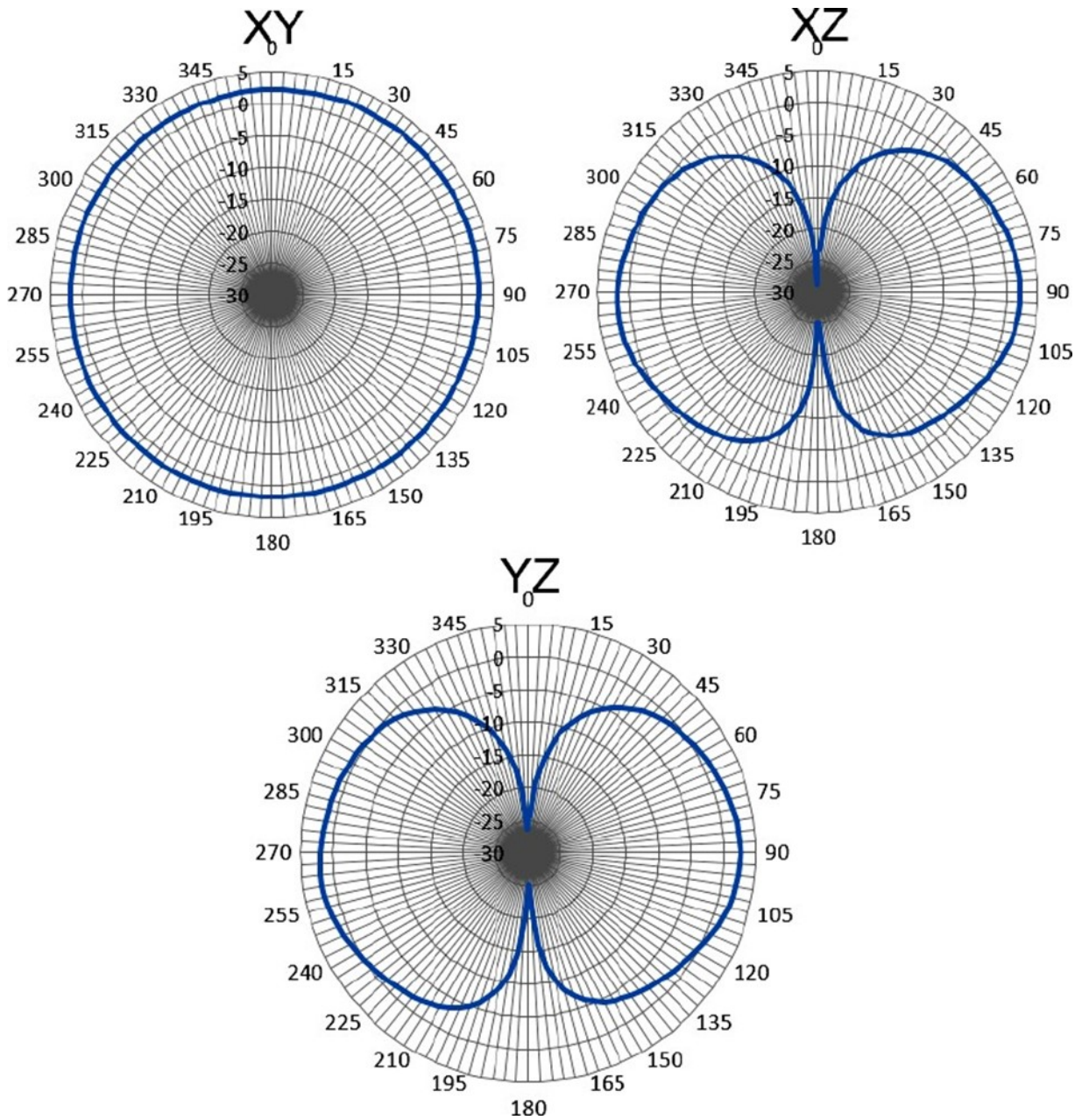
# ROSA-900-SNM

High Performance Outdoor Omni  
Antenna for 902-928 MHz LoRa &  
ISM



Series: ROSA

## Radiation Patterns – Vertical Mounting



## Measured Radiation Patterns at 910MHz



# ROSA-900-SNM

High Performance Outdoor Omni  
Antenna for 902-928 MHz LoRa &  
ISM



Series: ROSA

## Return Loss

