

# RDA-900-SSM

Indoor Omni-directional  
High Performance Antenna for  
900 MHz ISM band

# RFMAX

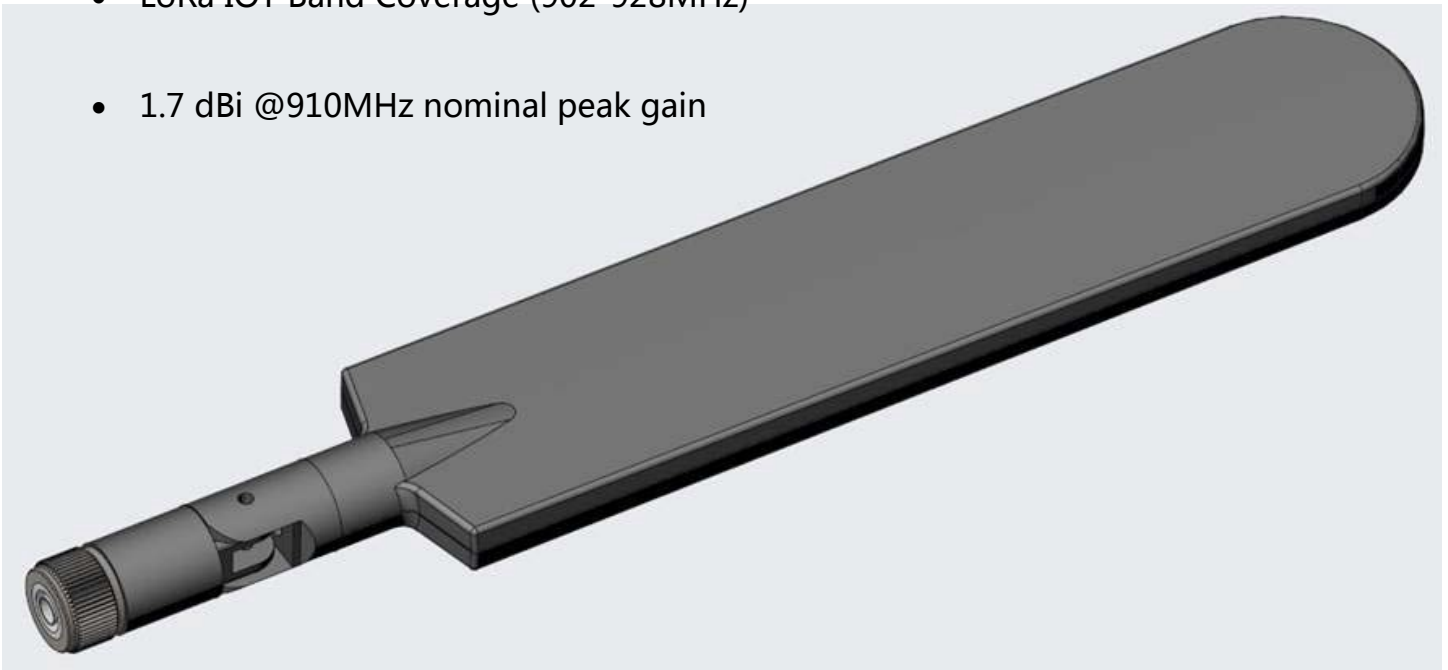
Series: RDA

The RDA-900-SSM is an Omni-directional high performance antenna for the 900MHz ISM band. This antenna is designed to accommodate indoor communications in the domestic ISM frequency band, including LoRa protocol Internet of Things (IOT) applications.

## Features:

The Model RDA-900-SSM Dipole Antenna is defined by the following features:

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



[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

# RDA-900-SSM

Indoor Omni-directional  
High Performance Antenna for  
900 MHz ISM band



Series: RDA

## Specifications and Interface

Standard	U.S. LoRa, 900 MHz ISM Band
Frequency range	902-928 MHz
Peak gain	1.7 dBi @910MHz
VSWR	< 2:1
Feed impedance	50 ohms
Interface	SMA Male
Enclosure rating	Weather resistant UV stable
Antenna dimensions	205.9mm(L) x 35mm(W) x 7.7mm(H)
Temperature range	-30 °C --- +75 °C
Environment	Outdoor Mounted Upside Down
Cover material(color)	Plastic (Black)
Humidity range	5%~95%

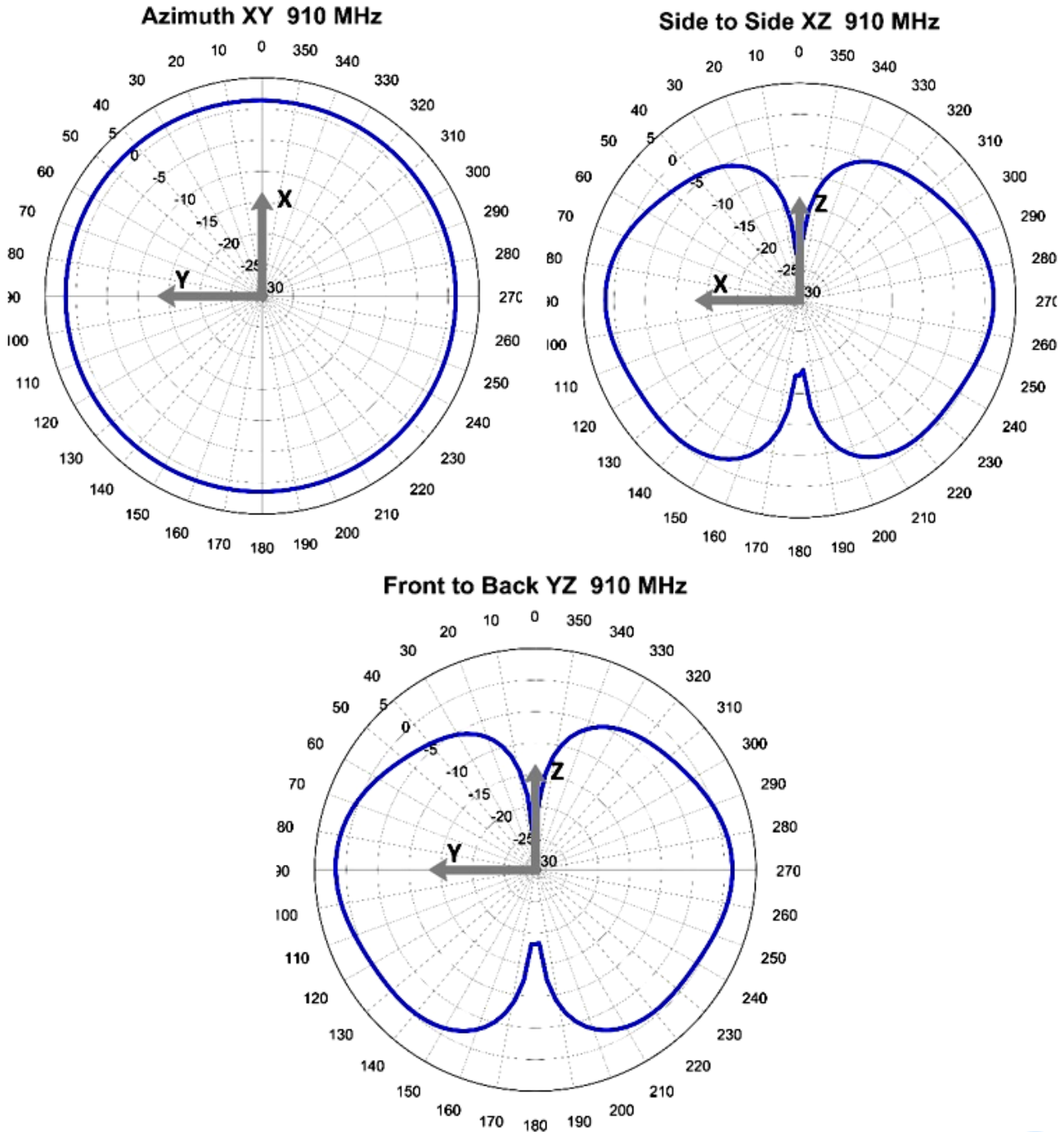
# RDA-900-SSM

Indoor Omni-directional  
High Performance Antenna for  
900 MHz ISM band

# RFMAX

Series: RDA

## Radiation Patterns – Vertical Mounting



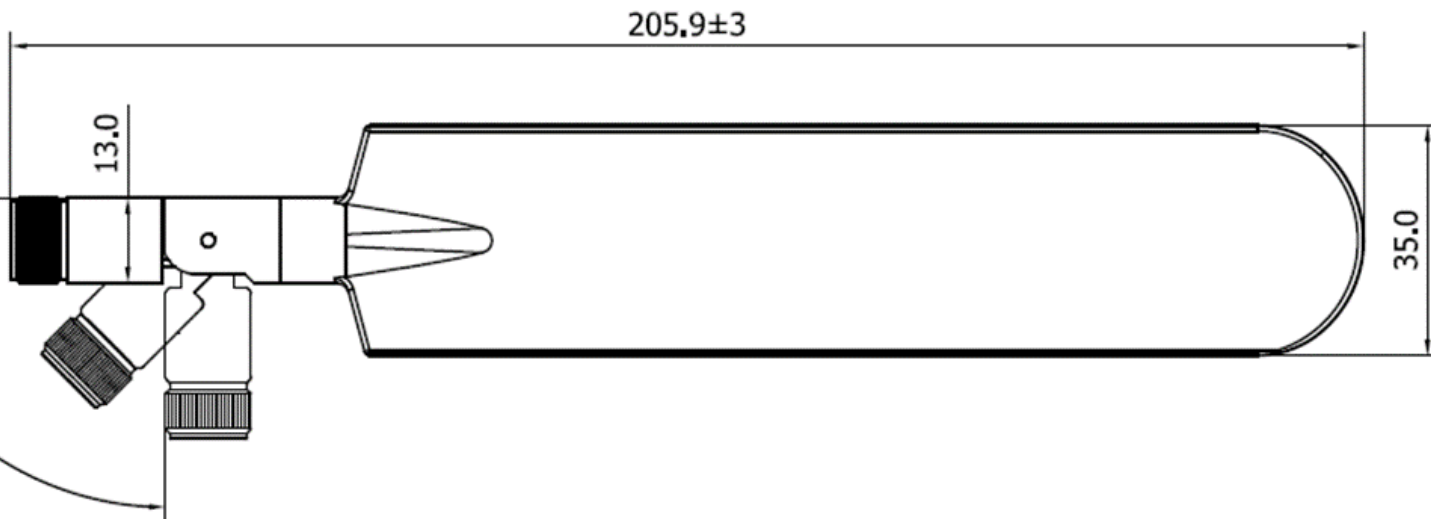
# RDA-900-SSM

Indoor Omni-directional  
High Performance Antenna for  
900 MHz ISM band

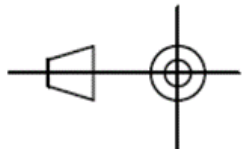
# RFMAX

Series: RDA

## Dimensions



### Drawing Style



Unless otherwise specified, tolerances are +/-0.2mm

# RDA-900-SSM

Indoor Omni-directional  
High Performance Antenna for  
900 MHz ISM band

# RFMAX

Series: RDA

## Return Loss

