

## OUTDOOR 868MHz ANTENNA

### TECHNICAL DATA SHEET

OPA\_ANT868\_01

The OPA\_ANT868\_01 is a fiberglass outdoor antenna dedicated to the 868 MHz ISM band (SIGFOX, LoRA, Mesh Network).

This antenna consists of a half wave dipole encapsulated inside a fiberglass radome with a solid aluminum mounting base. A mast bracket is included to facilitate the installation on the mast.

#### Features:

- Frequency: 868 MHz ISM band.
- White UV resistant pultruded fiberglass radome.
- Type SMA female integrated connector.
- Installation type : Mast Diam 35-70 mm



#### Specifications @ +25 °C, ZS = ZL = 50

Antenna Type	Omnidirectional
Operating Frequency	868-870 MHz
Realized Gain	2 dB
Polarization	Linear, Vertical
Nominal Input Impedance	50
Connector Type	SMA – Female
Dimensions	Height = 250 mm Tube Diam : 30 mm Alum. Base Diam. : 32 mm

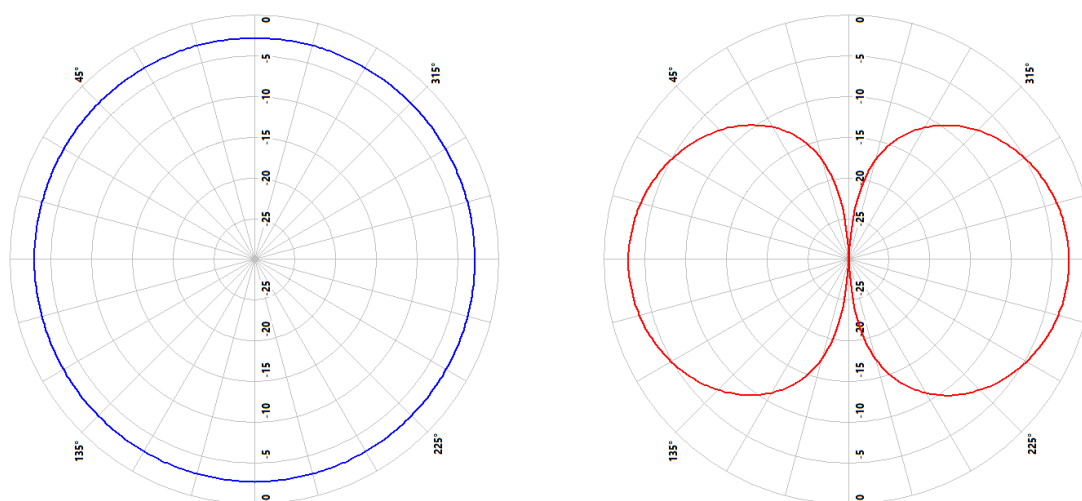
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### Typical performance data:



**Return Loss**



**Azimuth Radiation Pattern and Elevation Radiation Pattern**

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## Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	40dBm
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +70°C

## Outline