

## 4dBi OUTDOOR 868MHz ANTENNA

### TECHNICAL DATA SHEET

OPA\_ANT868\_02

The OPA\_ANT868\_02 is a fiberglass outdoor antenna dedicated to the 868 MHz ISM band (SIGFOX, LoRA, Mesh Network, and Helium).

This collinear antenna consists of a two coupled elements to increase the gain and encapsulated inside a fiberglass radome with a solid aluminum mounting base.

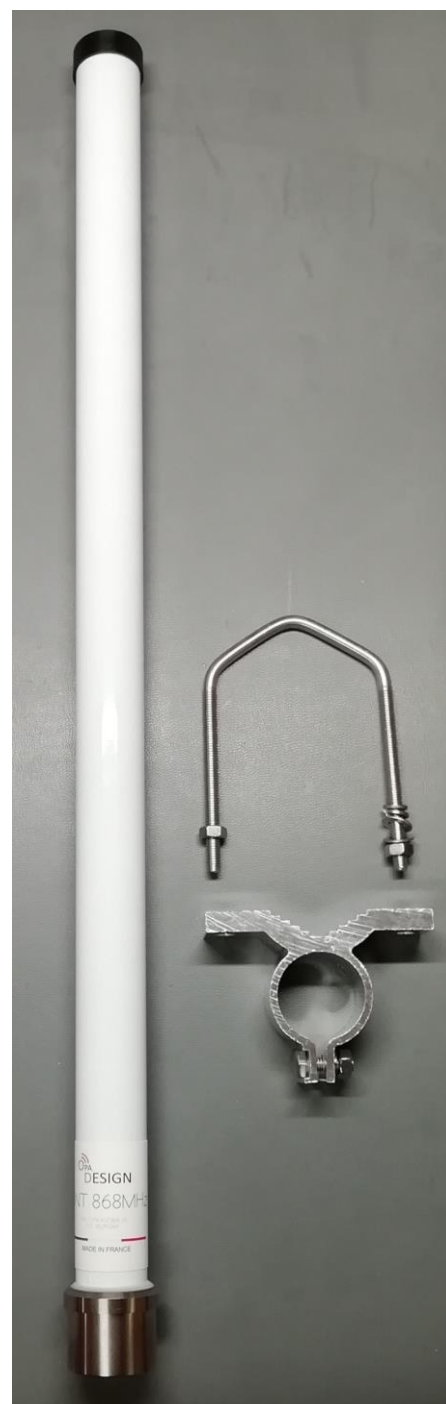
A mast bracket is included to facilitate the installation. This antenna is the good compromise between size and performance.

#### Features:

- Frequency: 868 MHz ISM band.
- White UV resistant pultruded fiberglass radome.
- Type N female integrated connector.
- Installation type : Mast Diam 34-52 mm
- Grounding protection : DC-Ground

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

Antenna Type	Omnidirectional
Operating Frequency	868-870 MHz
Realized Gain	4.4 dBi
Polarization	Linear, Vertical
Nominal Input Impedance	50
Connector Type	N – Female
Dimensions	Height = 524 mm Tube Diam : 26 mm Alum. Base Diam. : 32 mm

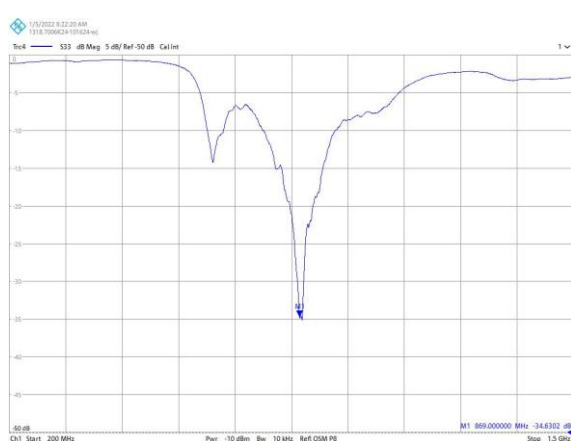


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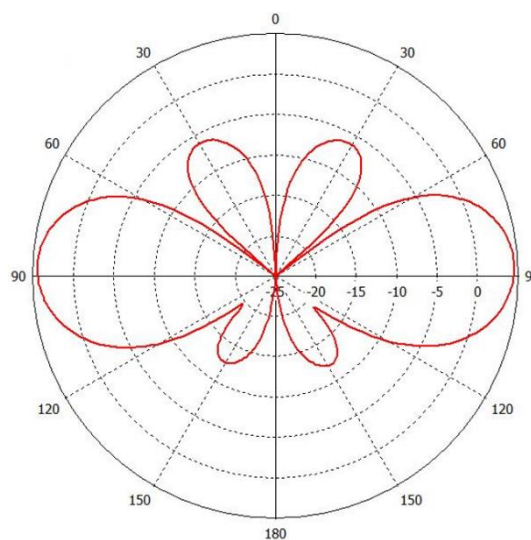
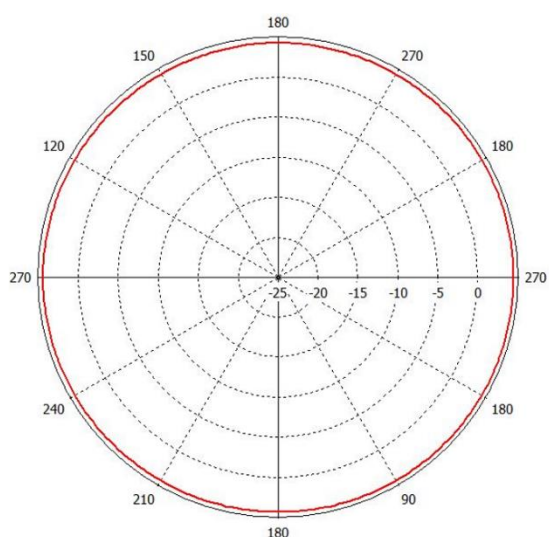
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### Typical performance data:



**Return Loss and VSWR**



**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

### Mechanical dimension and installation guidelines

