

ANT S.r.l.

Via della Concordia, 4 – 37036
S. Martino B/A (VR) - Italia
Tel. +39 045 8781380
Fax +39 045 8795335
e-mail: commerciale@antsrl.eu
www.antsrl.eu

DESCRIPTION

½ wave 868/915 MHz antenna
omnidirectional dipole antenna
($\lambda/2$ – ½ wave geometry)
suitable for applications
LoRa, LoRaWAN, Sigfox, ISM



Mistral-L 868/915 (connector SMA-M)
Mistral-L 868/915 (connector SMA-M RA)
Mistral-L 868/915 (connector N-M)

P/N: F01-013**P/N: F01-020****P/N: F01-022****ELECTRICAL DATA**

Banda di frequenza
(V.S.W.R. < 2 : 1)
V.S.W.R.:
Impedance:
Max power:
Polarisation:
Radiation:
Gain:

850-880 MHz
< 1.5 : 1 at 868 (available also
at 915MHz)
50 Ω
15 W
Linear
Omnidirectional
> 2.1 dBi

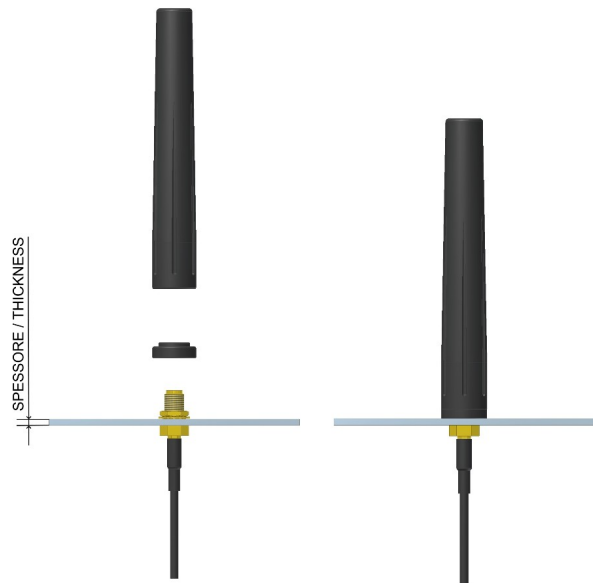
MECHANICAL DATA

Dimensions (about):
Connection:
Cable:
Operating temperature:
Weight:
Radome material:
Radiating element material:
Accessories (only for the version with
SMA plug):

Ø15x199 mm
SMA plug (thread on brass
insert).
On request
-40° / +80°C
0.050 kg
Thermoplastic elastomer
Steel, brass.
Gasket to cover SMA socket
nut (watertight)

Approx thickness mounting surface
(w/ SMA socket thread L=11.4mm)
antenna with gasket:
antenna without gasket:

thickness 2.5 to 3.5mm *
thickness up to 5mm *



Protection against oxidation: The antenna is designed to be able to withstand the worst climatic conditions and so that the oxidation of its components is prevented; its parts are made of raw materials resistant to external environmental agents.

Protection against accidental hits: The antenna is designed so that persons are protected from accidental hits against its projecting parts.

RoHS Directive: The antenna complies with the RoHS Directive and its subsequent.

MOUNTING INSTRUCTIONS:

Please mount the antenna on a SMA socket connector

* for a correct use of the gasket, please make sure that the box be 2.5mm to 3.5mm thick. It is advisable to check the correct connection before proceeding with the final installation.

WARNING:

The antenna does not require any ground plane.

ANT S.r.l.

Via della Concordia, 4 – 37036
S. Martino B/A (VR) - Italia
Tel. +39 045 8781380
Fax +39 045 8795335
e-mail: commerciale@antsrl.eu
www.antsrl.eu

DESCRIPTION

½ wave 868/915 MHz antenna
omnidirectional dipole antenna
($\lambda/2$ – ½ wave geometry)
suitable for applications
LoRa, LoRaWAN, Sigfox, ISM



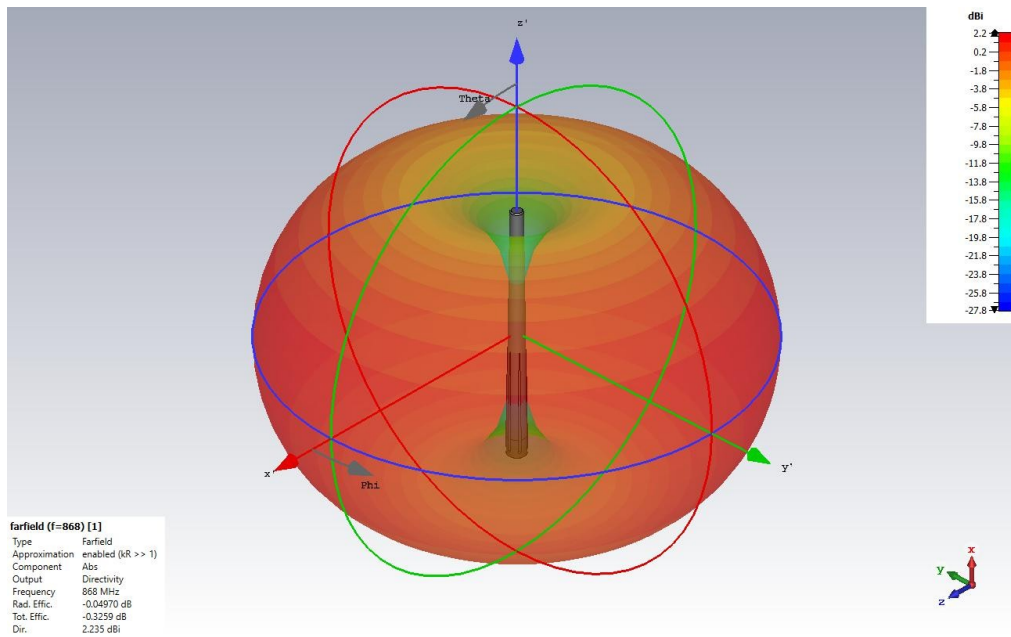
Mistral-L 868/915 (connector SMA-M)
Mistral-L 868/915 (connector SMA-M RA)
Mistral-L 868/915 (connector N-M)

P/N: **F01-013**

P/N: **F01-020**

P/N: **F01-022**

Radiating pattern

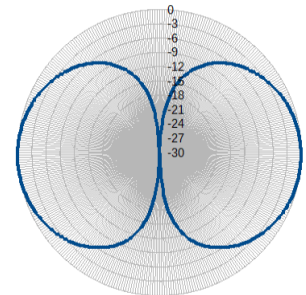
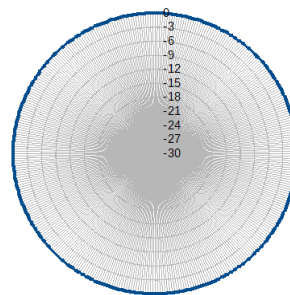
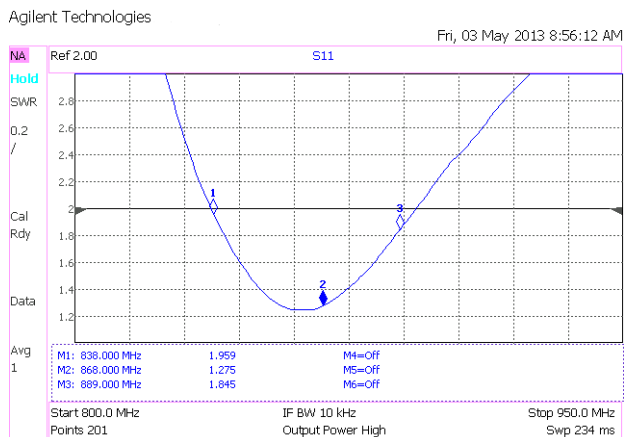


Radiating patterns

VSWR
(Mistral-L 868)

H-Plane

E-Plane



ITS NAME:

Mistral is a cold, dry wind blowing from France towards the north of the western Mediterranean coast, especially over the Gulf of Lion.