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

Multiband omnidirectional antenna
with radiating element
(**780-920 MHz** geometry λ1/4 - ¼ wave)
(**2400-2690 MHz** geometry λ5/8 - ⅝ wave)
Suitable for applications
868/915MHz (LoRa, LoRaWAN, Sigfox, ISM),
WiFi 2.4GHz, 4G-LTE / 5G (Band 7)

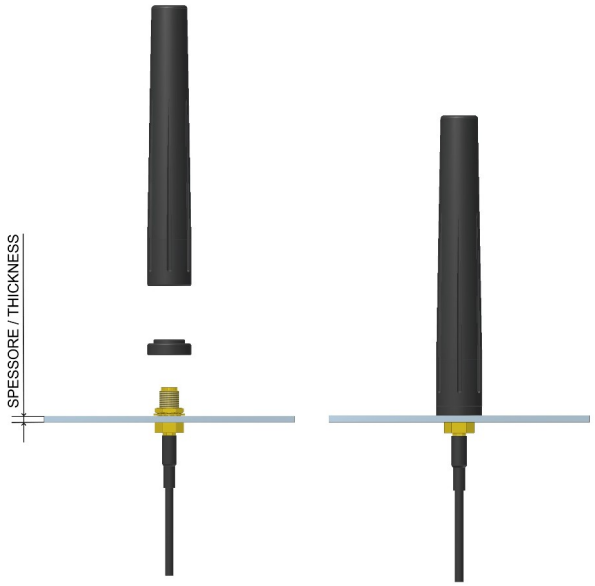
Mistral 868-915-2400 (connector SMA-M) P/N: **F01-006**
Mistral 868-915-2400 (connector SMA-M RA) P/N: **F01-012**
Mistral 868-915-2400 (connector N-M) P/N: **F01-026**

ELECTRICAL DATA

Frequency range (with V.S.W.R. < 2 : 1):	780-920 / 2400-2690 MHz
Impedance:	50 Ω
V.S.W.R.	< 2 : 1
Max power:	15 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain 868-915 MHz:	2.1 dBi
Gain WIFI 2400 MHz:	5 dBi
Gain LTE 2600 MHz:	5 dBi

MECHANICAL DATA

Dimentions (about):	Ø14x90 mm
Connection:	SMA plug (other on request)
Cable:	On request
Operating temperature:	-40° / +80°C
Weight:	0.040 kg
Radome material:	Thermoplastic elastomer
Radiating element material:	Steel, brass.
Accessories:	Gasket to cover SMA socket nut (watertight)
Approx thickness mounting surface (w/ SMA socket thread L=11.4mm)	
antenna with gasket:	thickness 1.5 to 3mm *
antenna without gasket:	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 1.5 mm to 3.0 mm thick.
It is advisable to check the correct connection before proceeding with the final installation.

WARNING:
To achieve the performances stated, the antenna requires a proper ground plane.

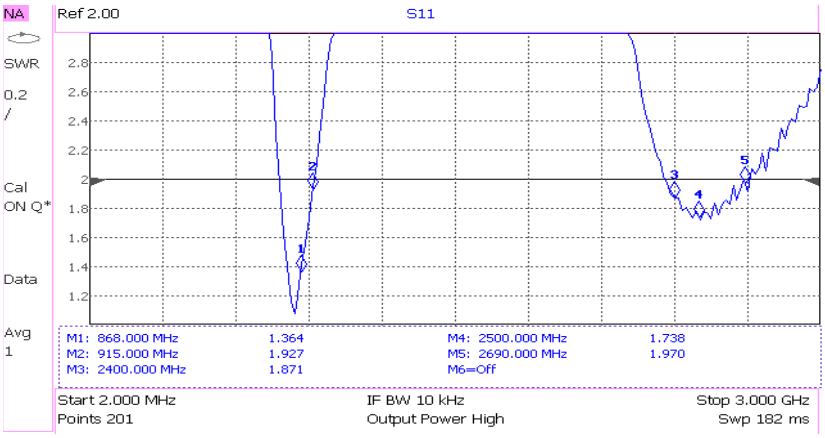
ANT S.r.l.
Via della Concordia, 4 – 37036
S. Martino B/A (VR) - Italia
Tel. +39 045 8781380
Fax +39 045 8795335
e-mail: commerciale@antsrl.eu
www.antsrl.eu

DESCRIPTION

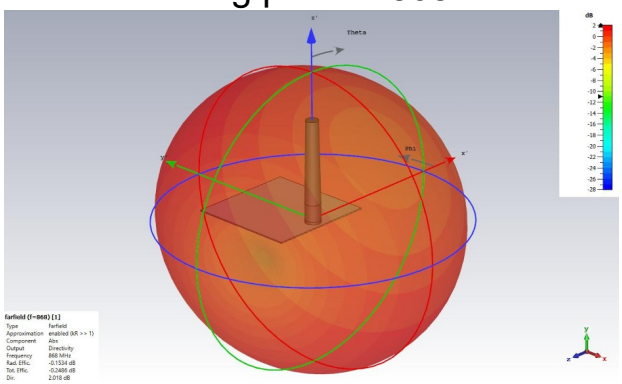
Multiband omnidirectional antenna
with radiating element
(**780-920 MHz** geometry λ1/4 - ¼ wave)
(**2400-2690 MHz** geometry λ5/8 - ⅝ wave)
Suitable for applications
868/915MHz (LoRa, LoRaWAN, Sigfox, ISM),
WiFi 2.4GHz, 4G-LTE / 5G (Band 7)

Mistral 868-915-2400 (connector SMA-M) P/N: **F01-006**
Mistral 868-915-2400 (connector SMA-M RA) P/N: **F01-012**
Mistral 868-915-2400 (connector N-M) P/N: **F01-026**

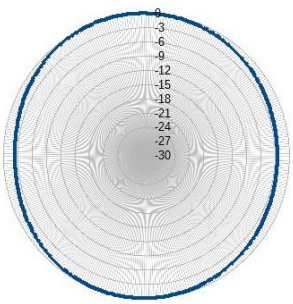
V.S.W.R. (test with antenna mounted on proper ground plane)



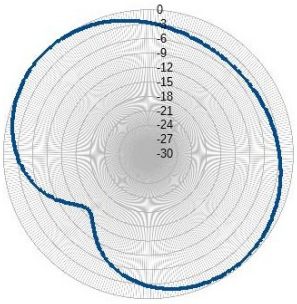
Radiating pattern 868MHz



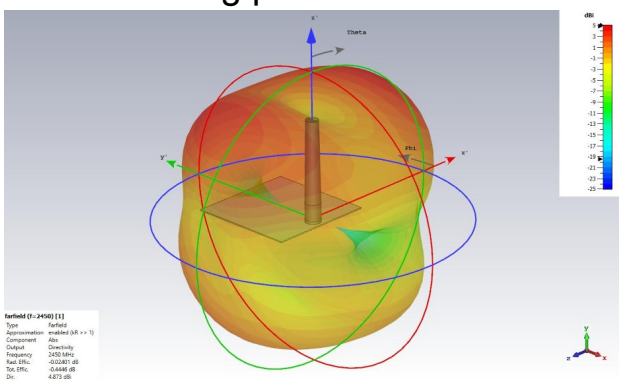
H-Plane



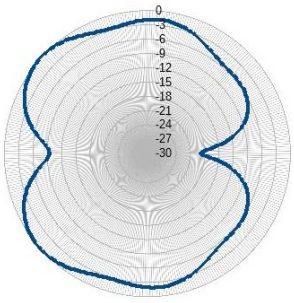
E-Plane



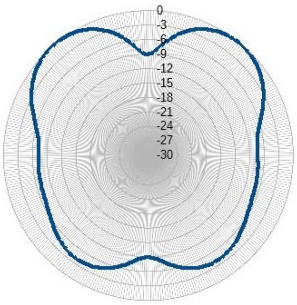
Radiating pattern 2400MHz



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.*