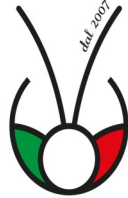


<b>ANT S.r.l.</b> Via della Concordia, 4 – 37036 S. Martino B/A (VR) - Italia Tel. +39 045 8781380 Fax +39 045 8795335 e-mail: <a href="mailto:commerciale@antsrl.eu">commerciale@antsrl.eu</a> <a href="http://www.antsrl.eu">www.antsrl.eu</a>	<b>DESCRIPTION</b>	
	<b>868 MHz 1/2 wave antenna</b> Omnidirectional dipole antenna (geometry $\lambda/2 - \lambda/2$ wave) with SMA plug connection.	

**Mistral-L 868**

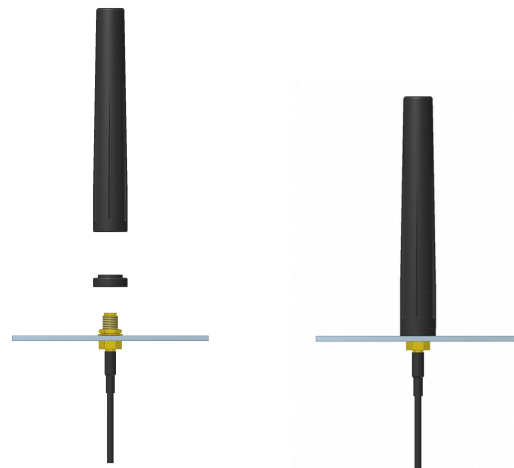
**P/N: F01-013**

**ELECTRICAL DATA**

Frequency range: (V.S.W.R. < 2 : 1):	868 MHz (available 915MHz) 20 MHz at the requested frequency centre
Impedance:	50 $\Omega$
V.S.W.R.:	< 1.5 : 1
Max power:	15 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain:	about 2.1 dBi

**MECHANICAL DATA**

Dimensions (about):	$\varnothing 15 \times 199$ mm
Connection:	SMA plug (thread on brass insert).
Cable:	On request
Operating temperature:	-40° / +80°C
Weight:	0.050 kg
Radome material:	Thermoplastic elastomer
Radiating element material:	Steel, brass.
Accessories:	Gasket to cover SMA socket nut (to be used depending on the SMA connection)



**Protection against oxidation:** the antenna is designed to be able to withstand the worst climatic conditions and so that the oxidation of its parts is prevented.

**Protection against accidental hits:** The antenna is designed making sure persons are protected from accidental hits against its projecting parts.

**RoHS directive (2002-95-CE):** The antenna is RoHS compliant.

**MOUNTING INSTRUCTIONS:**  
Please mount the antenna on SMA socket connector ( $\varnothing 6.5$  mm hole).

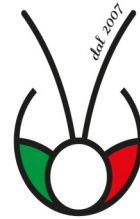
**WARNING:**  
The antenna does not require any ground plane.

## ANT S.r.l.

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S. Martino B/A (VR) - Italia  
Tel. +39 045 8781380  
Fax +39 045 8795335  
e-mail: [commerciale@antsrl.eu](mailto:commerciale@antsrl.eu)  
[www.antsrl.eu](http://www.antsrl.eu)

## DESCRIPTION

**868 MHz  $\frac{1}{2}$  wave antenna**  
Omnidirectional dipole antenna  
(geometry  $\lambda/2 - \frac{1}{2}$  wave)  
with SMA plug connection.



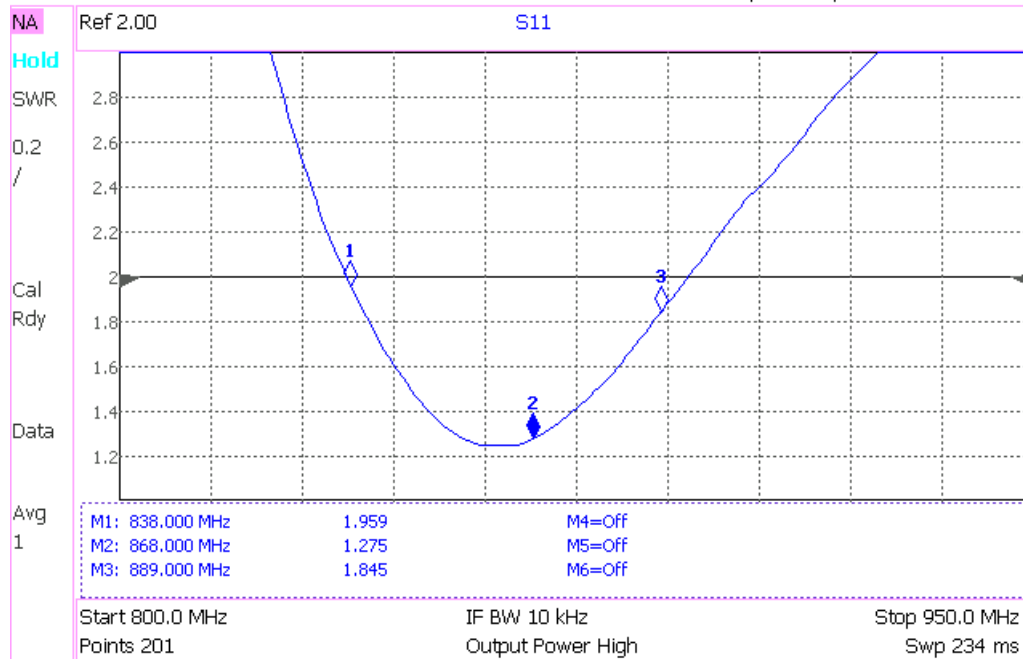
**Mistral-L 868**

**P/N: F01-013**

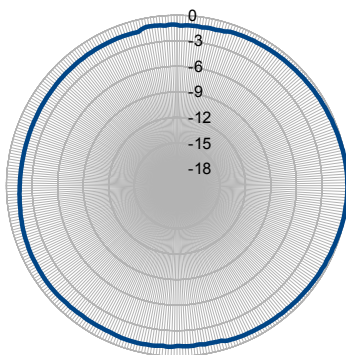
## V.S.W.R. (Frequency Centre: 868 MHz)

Agilent Technologies

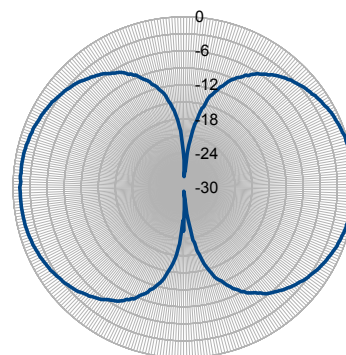
Fri, 03 May 2013 8:56:12 AM



## Radiating Pattern



868 MHz H-plane



868 MHz E-plane