


<p><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></p>	<p style="text-align: center;"><b>DESCRIPTION</b></p> <p style="text-align: center;"><b>½ wave dipole antenna in range 433/434 MHz</b>  Suitable for applications  LoRa, ISM</p>	
---	--	---

**Norte 433MHz** (black, connection N-M)  
**Norte 433MHz** (black, connection N-M RA)

P/N: F01-032  
P/N: F01-031

**ELECTRICAL DATA**

Frequency range (with V.S.W.R. < 2 : 1)	427-443 MHz
Impedance:	50 Ω
V.S.W.R.:	< 1.5 : 1
Maxd power:	15 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain:	2.1 dBi
Beamwidth (-3dB E-Plane):	77°
Beamwidth (-3dB H-Plane):	360°

**MECHANICAL DATA**

Dimensions (about):	Ø19x275 mm
Connection:	N plug (N plug RA on request)
Cable:	On request
Operating temperature range:	-30° / +80°C
Weight:	0.090 kg
Radome material:	PVC tube in black colour (white on request)
Radiating element material:	Copper
Optional ccessories:	Supports for mounting on wall or pole.



**Intended use:** Antenna for static applications on devices such as gateways, modems, control units etc.

**Who may install/maintain it:** Antenna to be installed/maintained only by experienced RF personnel.

**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: the plastic parts are made of raw materials resistant to external environmental agents.


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

**MOUNTING INSTRUCTIONS:**

Please install the antenna on a N-socket connector.

**WARNING:**

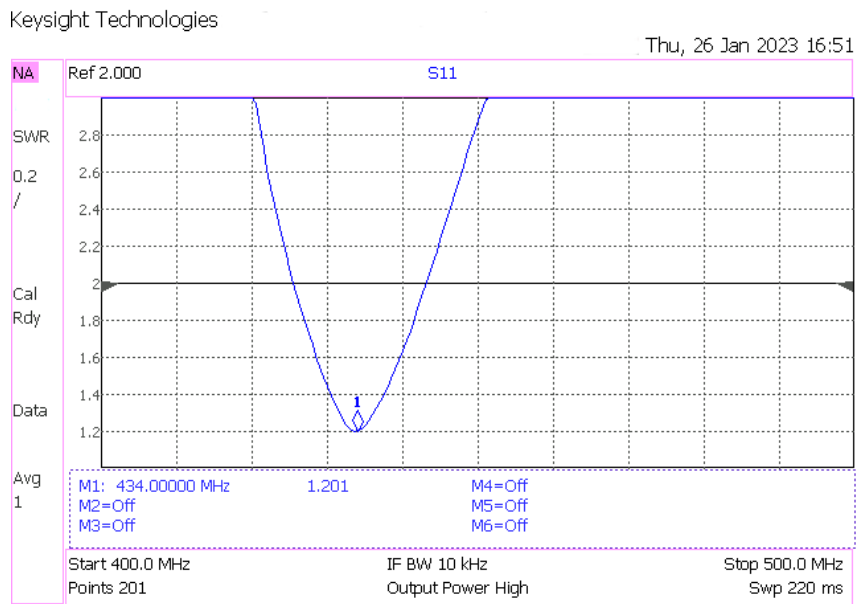
The antenna does not require a ground plane however its performances may be influenced by grounds in its proximity.

<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>½ wave dipole antenna in range 433/434 MHz</b> Suitable for applications LoRa, ISM	

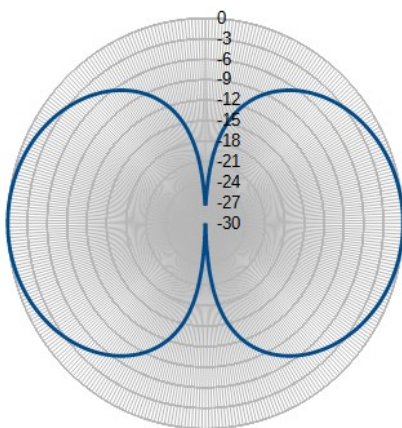
**Norte 433MHz** (black, connection N-M)  
**Norte 433MHz** (black, connection N-M RA)

P/N: F01-032  
P/N: F01-031

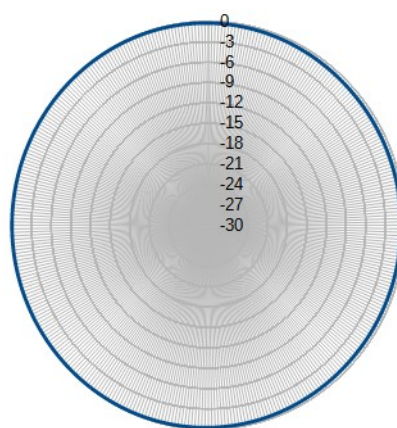
### V.S.W.R.



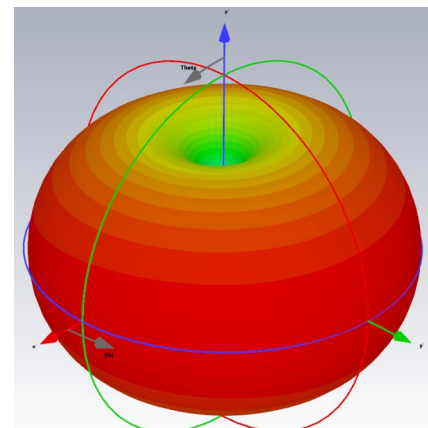
### Radiating patterns



E-plane



H-plane



3D Simulation

#### ITS NAME:

**Norte:** the Norte is a strong winter wind blowing towards the north or north-east over the Mexican coast of the Gulf of Mexico. It often brings rain.