


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 dipole antenna in range 868-915MHz Suitable for applications LoRa, LoRaWAN, Sigfox, ISM applications	

Norte 868MHz (white, connection N-M)
Norte 868MHz (black, connection N-M)
Norte 868MHz (black, connect. N-M RA)

P/N: F01-027
P/N: F01-032
P/N: F01-031

ELECTRICAL DATA

Frequency range (with V.S.W.R. < 2 : 1)	830-915 MHz
Impedance:	50 Ω
V.S.W.R.:	< 1.5 : 1
Maxd power:	15 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain:	about 2.1 dBi
Beamwidth (-3dB E-Plane):	77°
Beamwidth (-3dB H-Plane):	360°

MECHANICAL DATA

Dimensions (about):	Ø19x275 mm
Connection:	N plug
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:

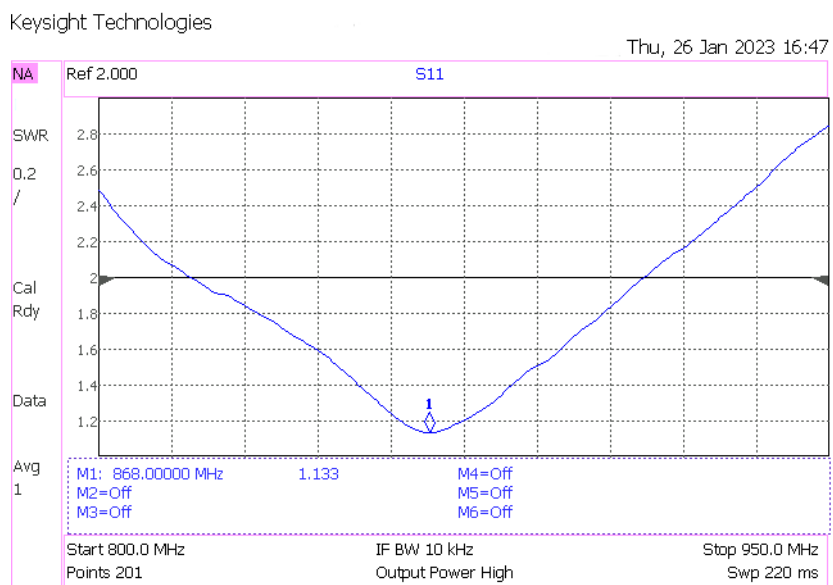
The antenna does not require a ground plane however its performances may be influenced by grounds in its proximity.

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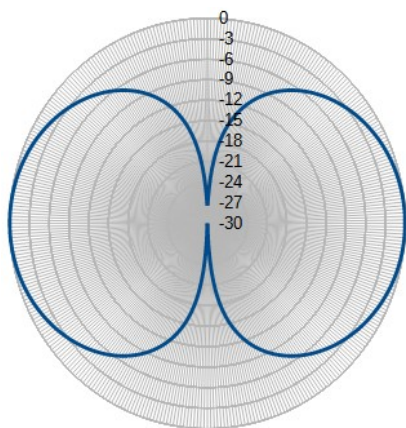
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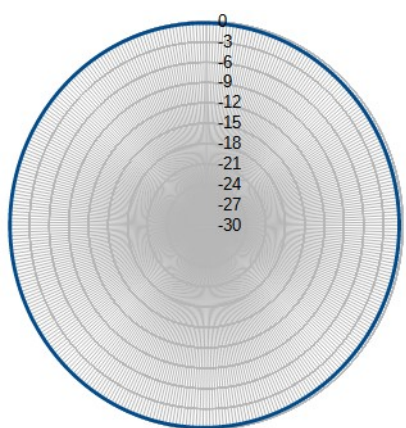
V.S.W.R.



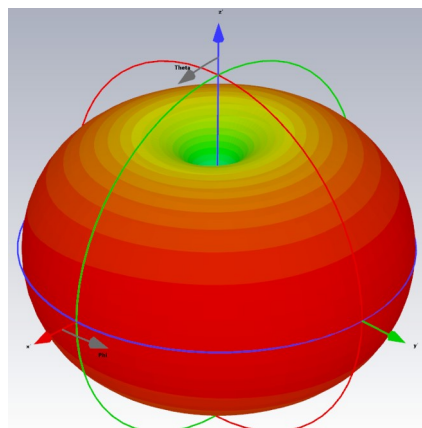
Radiating patterns



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.