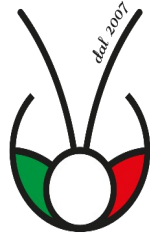


ANT S.r.l. Via della Concordia, 4 – 37036 S. Martino B/A (VR) - Italia Tel. +39 045 8781380 Fax +39 045 8795335 e-mail: commerciale@antsrl.eu www.antsrl.eu	DESCRIPTION	
	169 MHz ½ wave shortened antenna Omnidirectional antenna with helical radiating element (geometry $\lambda/2$ – shortened ½ wave), with SMA plug connection.	

Mistral 169

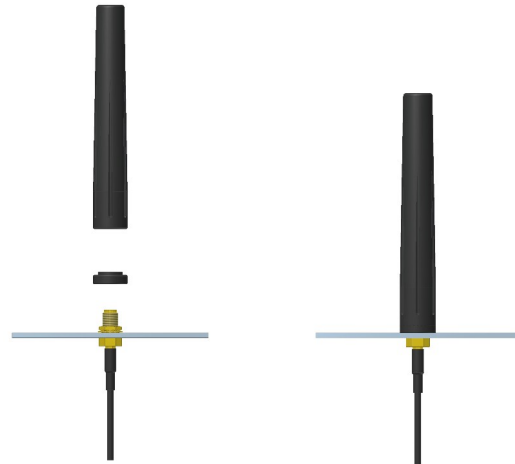
P/N: F02-004

ELECTRICAL DATA

Frequency range (V.S.W.R. < 2 : 1)	140-200 MHz 6 MHz at the requested frequency centre
Impedance:	50 Ω
V.S.W.R.:	< 1.5 : 1
Max Power	15 W
Polarisation:	Linear
Radiation	Omnidirectional
Gain:	about -4 dBi

MECHANICAL DATA

Dimensions (about):	Ø14x90 mm
Connection:	SMA plug (thread on brass insert)
Cable:	On request
Operating temperature:	-40° / +80°C
Weight:	0.040 kg
Radome material:	Thermoplastic elastomer
Radiating element material:	Steel, brass
Accessories:	Waterproof gasket to cover SMA socket nut.



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 with the plastic parts being 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 install the antenna on a box through a Ø7 mm hole.

WARNING:

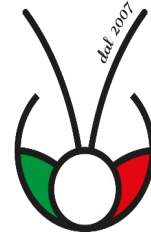
To reach the stated performances, the antenna requires a proper ground plane.

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
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DESCRIPTION

169 MHz $\frac{1}{2}$ wave shortened antenna
Omnidirectional antenna with helical radiating
element (geometry $\lambda/2$ – shortened $\frac{1}{2}$ wave),
with SMA plug connection.



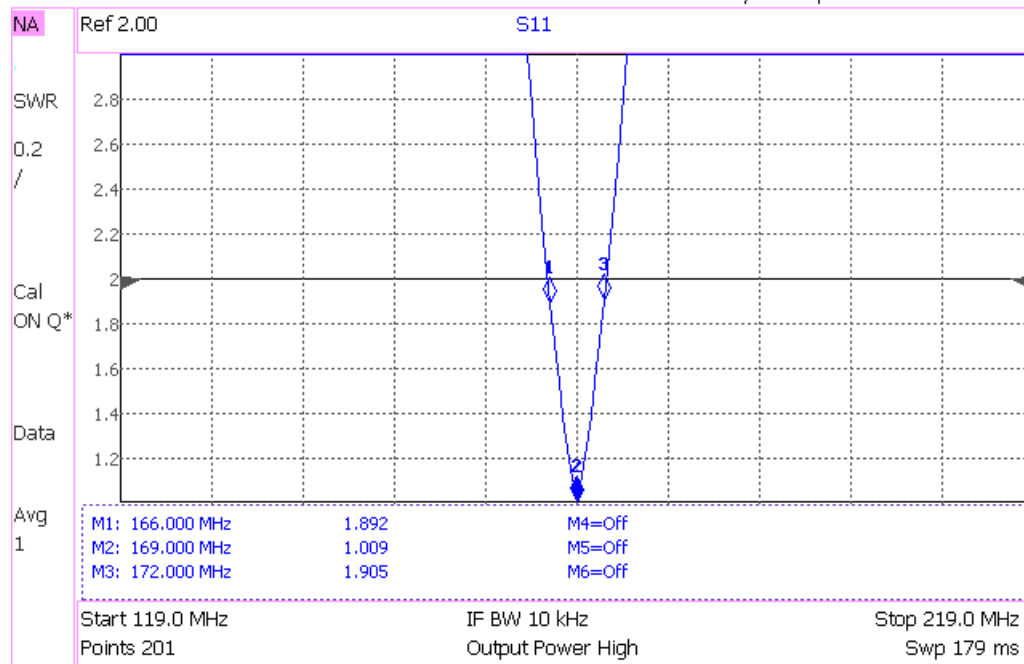
Mistral 169

P/N: F02-004

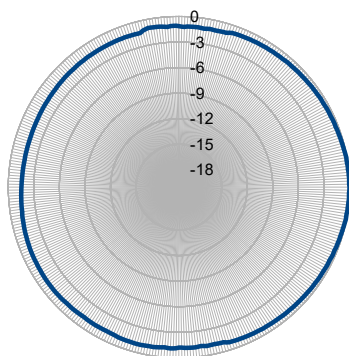
V.S.W.R. (Frequency centre: 169 MHz)

Agilent Technologies

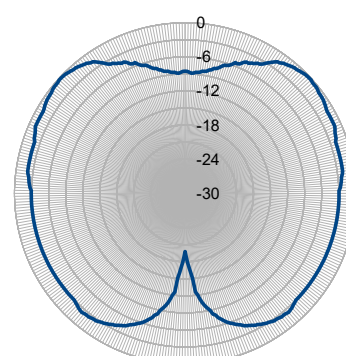
Fri, 06 Sep 2013 11:44:48 AM



Radiating Pattern



169 MHz H-plane



169 MHz E-plane