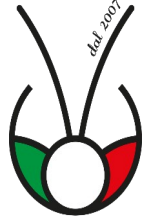


ANT S.r.l. Via della Concordia, 4 – 37036 S. Martino B/A (VR) - Italia Tel. +39 045 8781380 Fax +39 045 8795335 e-mail: commerciale@antsrl.eu www.antsrl.eu	DESCRIPTION	
	169 MHz ½ wave shortned antenna Omnidirectional antenna with helical radiating element (geometry $\lambda/2$ – shortened ½ wave) with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

Mistral-L 169

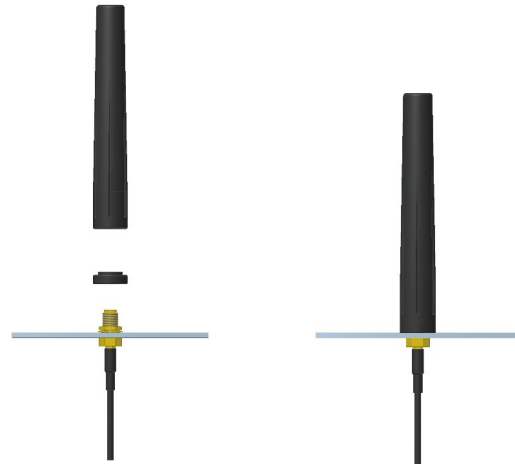
P/N: F02-011

ELECTRICAL DATA

Frequency range: (with V.S.W.R. < 2 : 1)	164-174 MHz 10 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 -1 dBi

MECHANICAL DATA

Dimensions (about):	$\varnothing 15 \times 199$ mm
Connection:	SMA plug (thread on brass insert)
Cable:	On request
Operating temperature range:	-40° / +80°C
Weight:	0.050 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 $\varnothing 7$ mm hole.

WARNING:

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

ANT S.r.l.

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DESCRIPTION

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



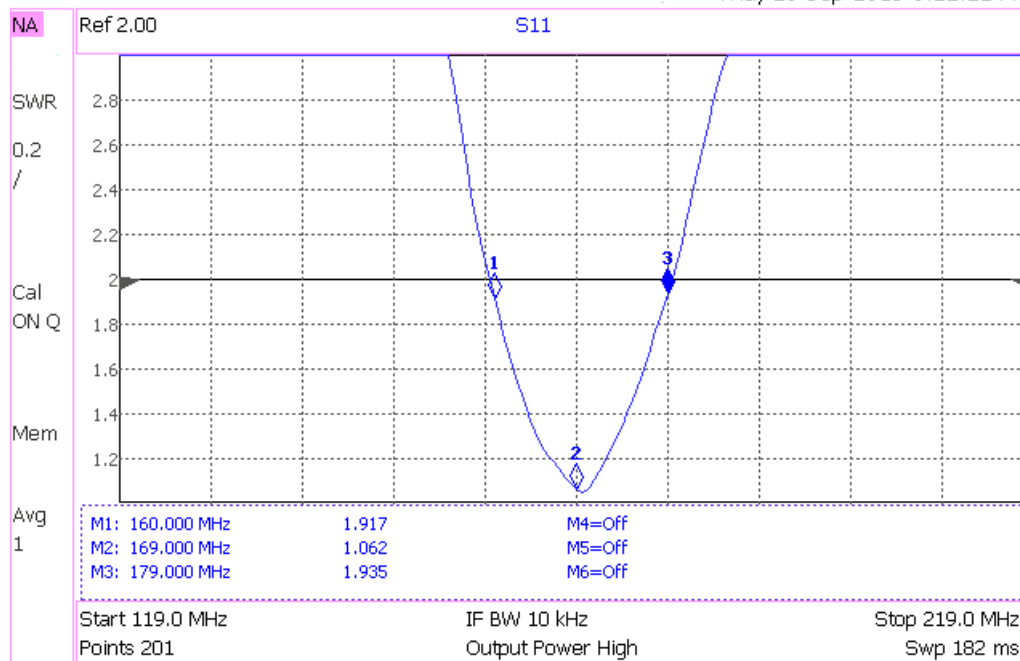
Mistral-L 169

P/N: F02-011

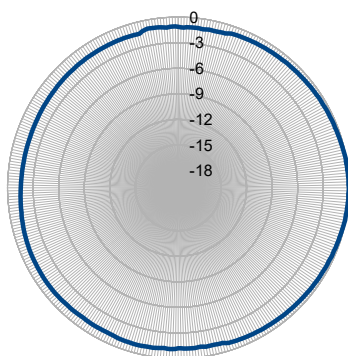
V.S.W.R. (Frequency centre: 169 MHz)

Agilent Technologies

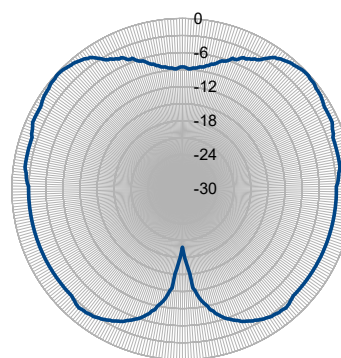
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Radiating Pattern



169 MHz H-plane



169 MHz E-plane