

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 ground plane antenna Suitable for applications wireless M-Bus (wM-Bus)	

Peler 169

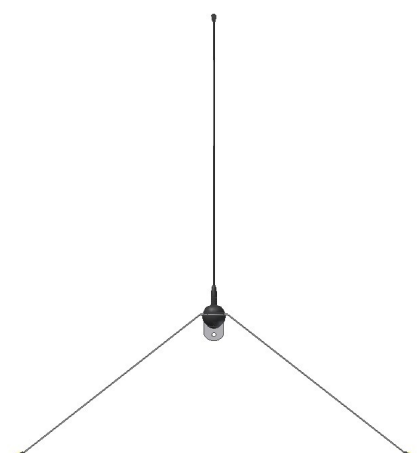
P/N: A30-001

ELECTRICAL DATA

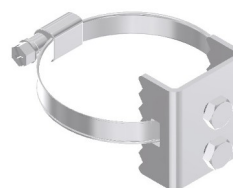
Frequency range (V.S.W.R. < 2 : 1)	162-176 MHz
Impedance:	50 Ω
V.S.W.R.:	< 1.5 : 1
Max power:	15 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain:	2.1 dBi (5 dBi when mounted on metallic pole)

MECHANICAL DATA

Dimensions (about):	675x615x80 mm
Weight (about):	0.500 kg
Connection:	SMA plug (other on request)
Cable:	RG58 0.9 m (other on request)
Operating temperature:	-35° / +80°C
Bracket/screws material:	Stainless steel
Radiating element material:	Steel, brass
Optional accessories:	Hardware for pole mounting Ø 38mm (1.5 inches) to 200mm (80 inches))



OPTIONAL KIT FOR POLE MOUNTING



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 use two Fischer plugs for Ø6 mm holes. The antenna is designed to be mounted on wall or pole.

WARNING:

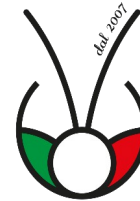
For a correct installation, please mount the antenna so that the rod is in vertical position and at least 10 cm apart from any metallic wall.

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 ground plane antenna
Omnidirectional antenna with bracket for wall or pole mounting, RG58 cable and SMA plug connection.
Designed for data concentrators
(point-to-point communications)

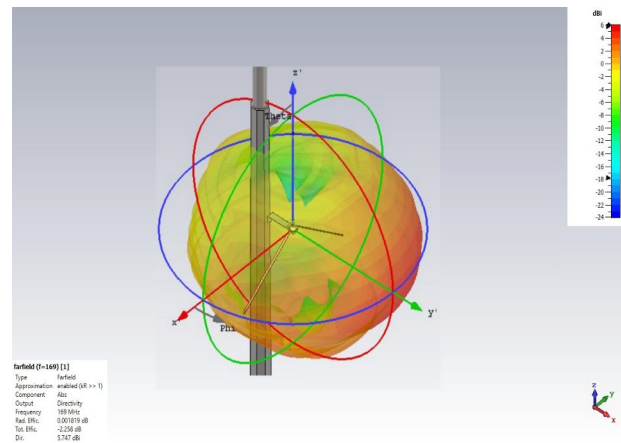
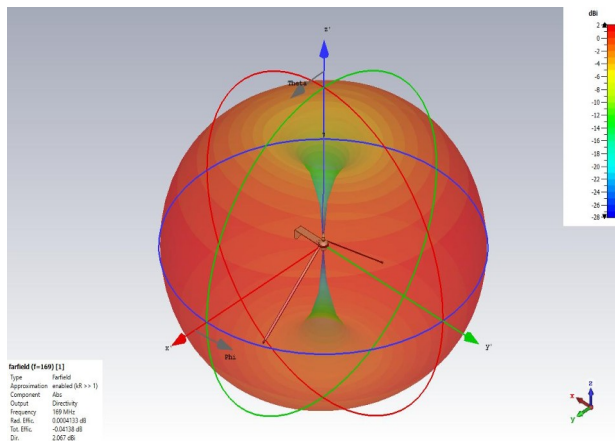


Peler 169

P/N: A30-001

3D radiation simulation

(measured with antenna on fiberglass pole) (measured with antenna at the top of a steel pole)



Radiating pattern

(measured with antenna on fiberglass pole)

VSWR

H Plane

E Plane

