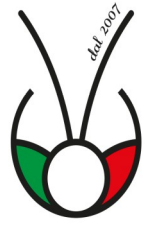


<b>ANT S.r.l.</b> Via della Concordia, 4 – 37036 S. Martino B/A (VR) - Italia Tel. +39 045 8781380 Fax +39 045 8795335 e-mail: <a href="mailto:commerciale@antsrl.eu">commerciale@antsrl.eu</a> <a href="http://www.antsrl.eu">www.antsrl.eu</a>	<b>DESCRIPTION</b>	
	<b>433 MHz antenna</b> Omnidirectional antenna with bracket for wall or pole mounting	

**A02-433**

**P/N: A02-000**

**ELECTRICAL DATA**

Frequency range (VSWR < 2 : 1)	415-470 MHz
Impedance:	50 Ω
V.S.W.R.:	< 1.5 : 1
Max power:	10 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain:	2.1 dBi

**MECHANICAL DATA**

Dimensions (about):	220x30x150 mm
Weight (about):	0.200 kg
Connection:	On request
Cable:	3 m (other on request) RG58 (copper tin plated inner conductor and shield)
Operating temperature:	-35° / +80°C
Bracket/screws material:	Stainless steel
Radiating element material:	Steel, brass



**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 and the supports of stainless steel.

**Protection against accidental hits:** the antenna is designed so that persons are protected from accidental hits against its projecting parts, which are smoothed out and covered with proper protections.

**RoHS directive (2002-95-CE):** The antenna is RoHS compliant.

**MOUNTING INSTRUCTIONS**

Please use two Fischer plugs for Ø6 mm holes. The antenna is designed to be mounted on wall or pole (using proper optional kit – please refer to installation options below)

**WARNING:**

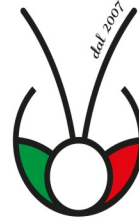
For a correct installation, please mount the antenna so that the rod is in vertical position and at least 10 cm apart from any metallic wall.

## ANT S.r.l.

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## DESCRIPTION

**433 MHz antenna**  
Omnidirectional antenna  
with bracket for wall or pole mounting



**A02-433**

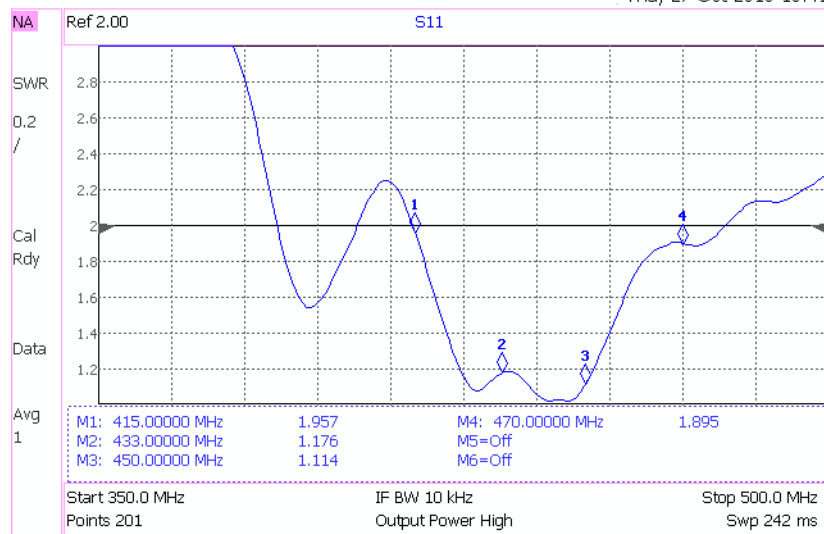
**P/N: A02-000**

## V.S.W.R.

(with antenna mounted on fiberglass mast)

Keysight Technologies

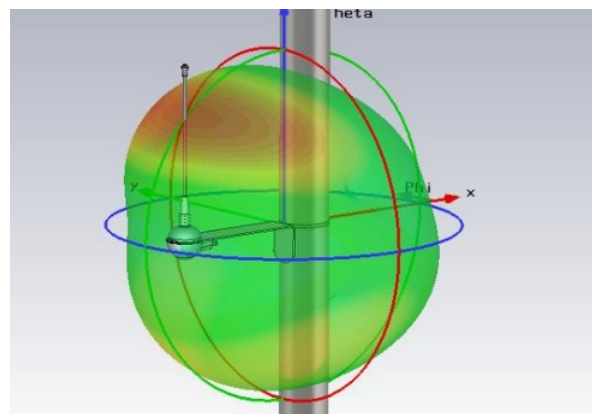
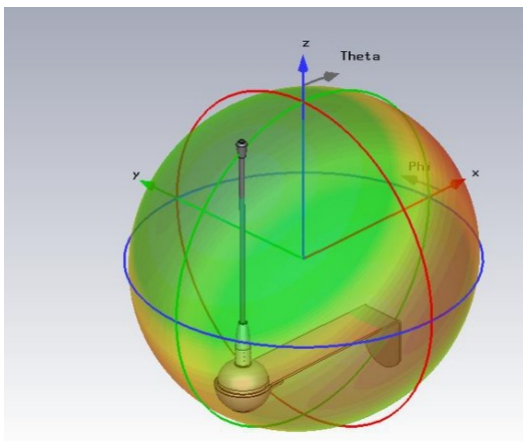
Thu, 27 Oct 2016 16:41

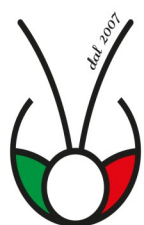


## Radiating Pattern Simulation

Antenna installed on non-metallic mast

Antenna installed on metallic mast



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	<b>433 MHz antenna</b> Omnidirectional antenna with bracket for wall or pole mounting	

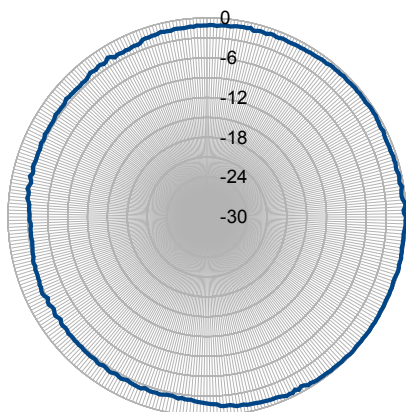
**A02-433**

**P/N: A02-000**

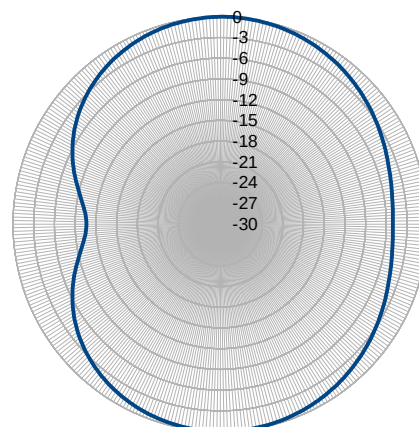
### Radiating patterns Instrumental measurement

Antenna installed on non-metallic mast

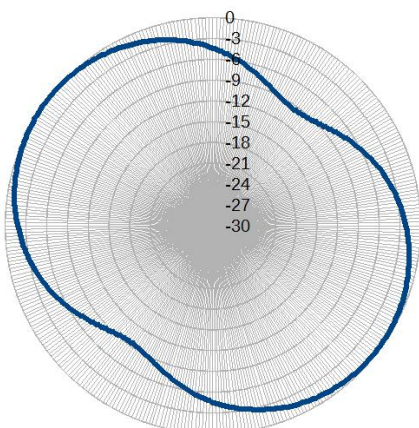
Antenna installed on metallic mast



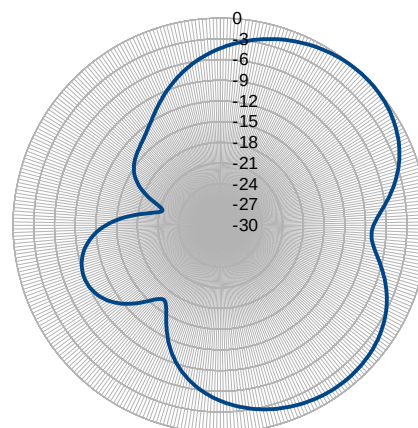
433 MHz H-plane



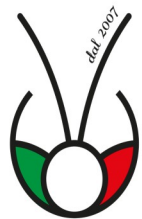
433 MHz H-plane



433 MHz E-plane



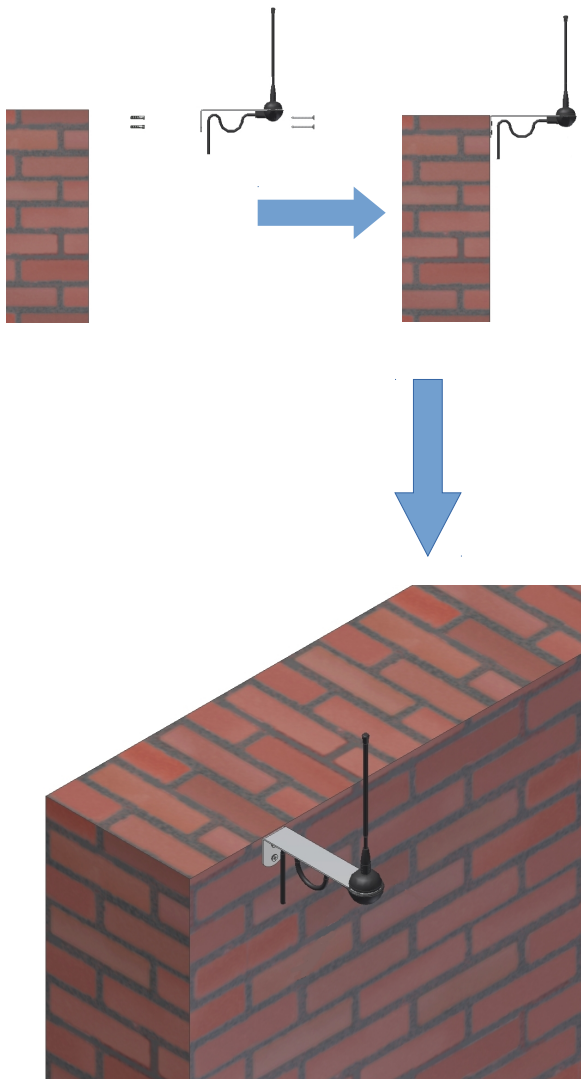
433 MHz E-plane

<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>433 MHz antenna</b>  Omnidirectional antenna  with bracket for wall or pole mounting</p>	
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**A02-433**

**P/N: A02-000**

**INSTALLATION ON WALL**



**INSTALLATION ON MAST**



**WARNING:**  
Cable must be bent to form a drip loop  
(see picture)