


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	
	380-470 MHz 1/2 wave antenna suitable for applications DMR, TETRA, UHF, LoRa 433, ISM 433	

Harmattan 380-450
Harmattan 400-470

P/N: H02-001
P/N: H02-002

ELECTRICAL DATA

Frequency range (with VSWR < 2 : 1)	380 / 450 MHz
Harmattan 380-450	400 / 470 MHz
Harmattan 400-470	50 Ω
Impedance:	< 2 : 1
VSWR:	15 W
Max power:	Linear
Polarisation:	Omnidirectional
Radiation:	2.15 dBi
Gain:	

MECHANICAL DATA

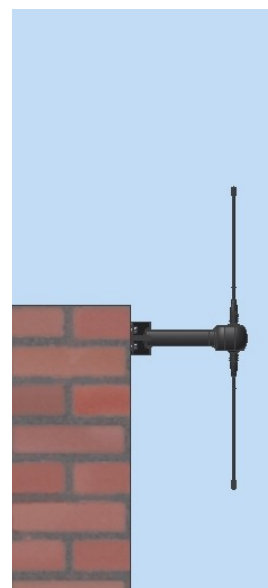
Dimensions (about):	
Harmattan 380-450	330x150x85 mm
Harmattan 400-470	305x150x85 mm
Connection:	SMA plug (other on request)
Cable:	1 m RG58 (other on request)
Operative temperature range:	-35° / +80°C
Weight (about):	0.250 kg
Radiating element material:	Whip made of steel and brass, moulded over and covered with heat shrink.
Accessories:	Bracket for pole mounting (for pole of Ø 40 mm (1.1/4 inch) to 60 mm (2 inches))



ON POLE



ON WALL



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 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, which are smoothed out and covered with proper protections.

RoHS Directive:

The antenna complies with the RoHS Directive and its subsequent.

MOUNTING INSTRUCTIONS:

Pole mounting: please use the provided kit. An extra stainless steel kit for mounting on poles of Ø 40 mm (1.1/4 inch) to 200 mm (8 inches) is also available on request.

Wall mounting: please use four Fischer plugs for wall mounting.

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DESCRIPTION

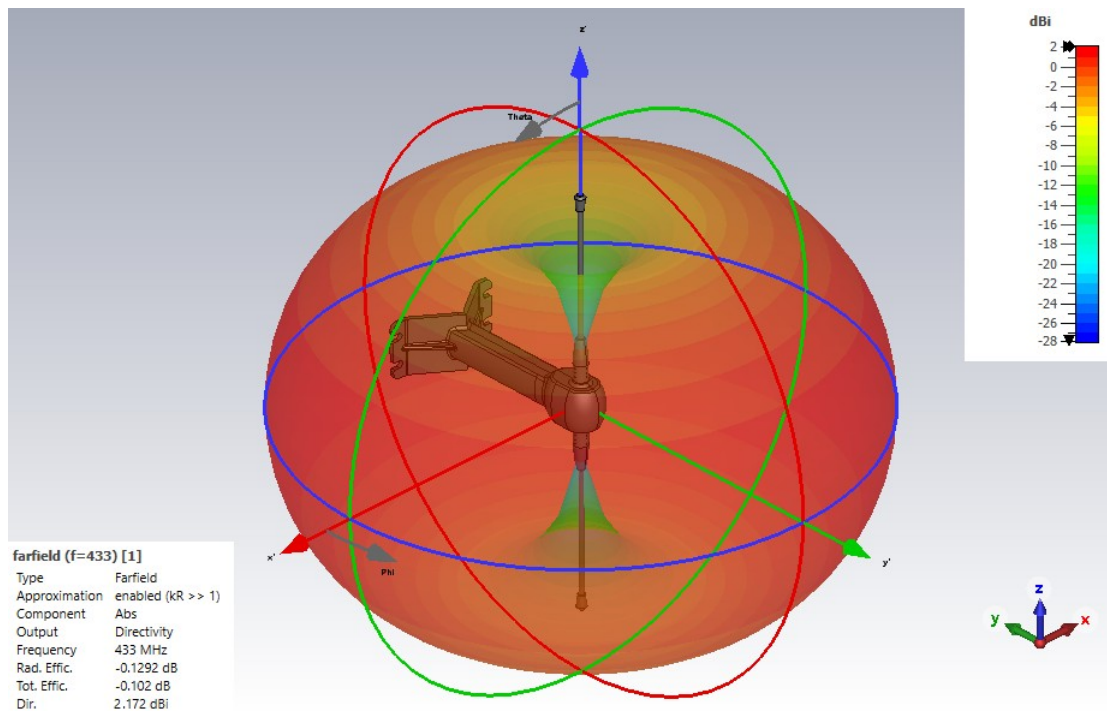
380-470 MHz 1/2 wave antenna
suitable for applications
DMR, TETRA, UHF, LoRa 433, ISM 433



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3D radiation simulation



Radiating Pattern

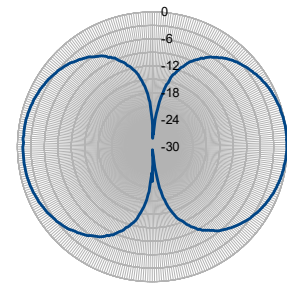
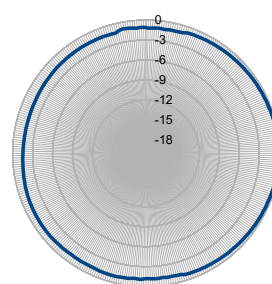
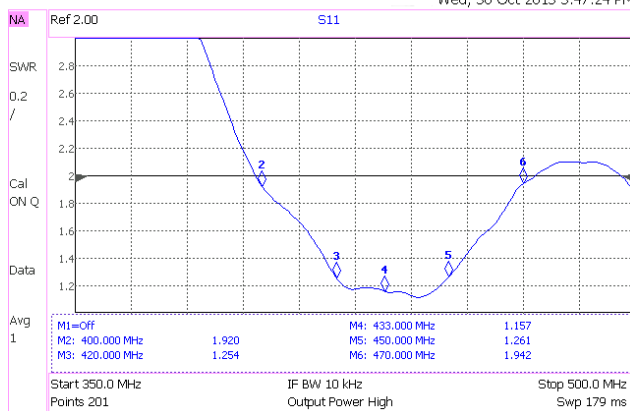
H-plane

H-plane


E-plane

Agilent Technologies

Wed, 30 Oct 2013 3:47:24 PM



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Harmattan 380-450
Harmattan 400-470

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STANDARD INSTALLATION
ON WALL ON POLE

POLE INSTALLATION WITH
EXTRA OPTIONAL KIT



ITS NAME

Harmattan is a cool, dry, dusty wind blowing from the Sahara Desert throughout the Gulf of Guinea and the Islands of Cape Verde. It is often referred to as the "Doctor" due to its alleged healthy properties.

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