

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

868/915/2400MHz colinear antenna
suitable for applications
LoRa, LoRaWAN, Sigfox, ISM
WiFi – WLAN



Ora-5-868-2400 MHz (connection N-F)

P/N: M07-003

Ora-5-868-2400 MHz (connection N-M)

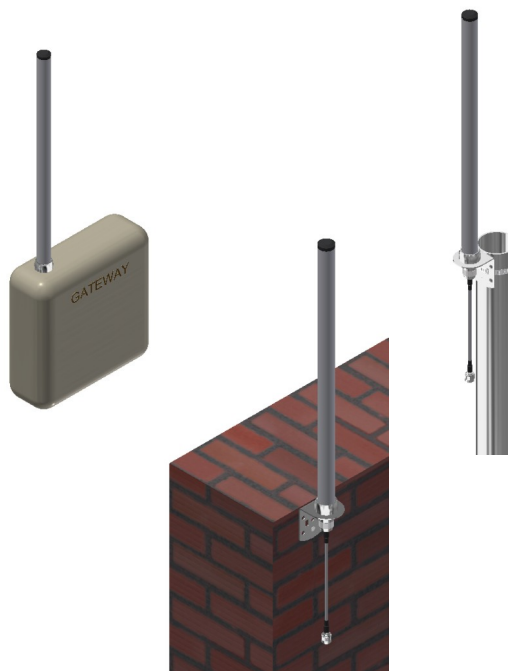
P/N: M07-022

ELECTRICAL DATA

Frequency range (V.S.W.R. < 2 : 1)	860-930 e 2400-2500MHz
Impedance:	50 Ω
V.S.W.R.:	< 2.0 : 1
Max power:	10 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain 868-915MHz:	5 dBi
Gain 2400MHz:	6 dBi
Beamwidth (-3dB E-plane)	see patterns
Beamwidth (-3dB H-plane)	see patterns

MECHANICAL DATA

Dimensions (approx):	Ø25x450 mm (Base Ø33mm)
Connection:	N socket N plug on request
Cable:	-30° / +80°C
Operating temperature range:	0.3 kg
Weight: (approx):	Copper
Radiating element material:	Fiberglass Ø25 mm
Radome material:	up to 3.5 mm
Mounting surface thickness for version with N socket connector:	Supports for mounting on wall / pole
Optional accessories:	

**TYPICAL INSTALLATION MODES**

Protection against oxydation: The antenna is designed to withstand the worst climatic conditions and so that the oxydation of its parts is prevented, with its components 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:**N-socket connection**

Please mount the antenna on bracket or support with a Ø16mm hole and max thickness of 3.5mm. The antenna is provided of sealing gasket for IP67 protection.

N-plug connection

Please screw the antenna onto the N-socket connector.

L'azienda produttrice si riserva di apportare modifiche e miglioramenti in qualsiasi momento senza obbligo di preavviso
The manufacturer reserves the right to change or improve this documentation at all times and without notice.

ENG-Rev. 0

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

868/915/2400MHz colinear antenna
suitable for applications
LoRa, LoRaWAN, Sigfox, ISM
WiFi – WLAN



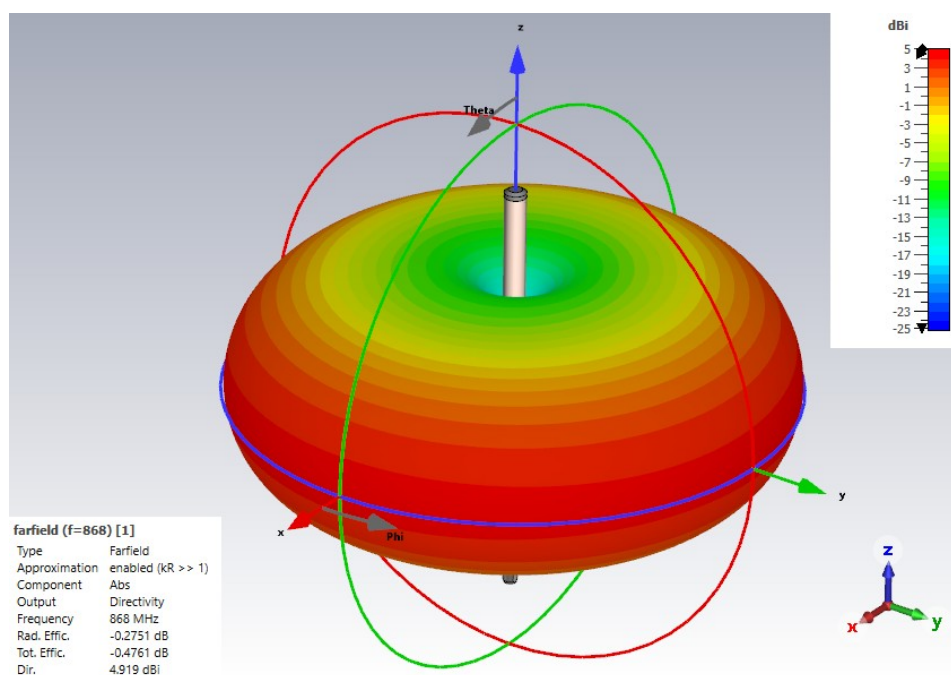
Ora-5-868-2400 MHz (connection N-F)

Ora-5-868-2400 MHz (connection N-M)

P/N: **M07-003**

P/N: **M07-022**

Radiating pattern (frequency ranges 868/915MHz)



Radiating patterns

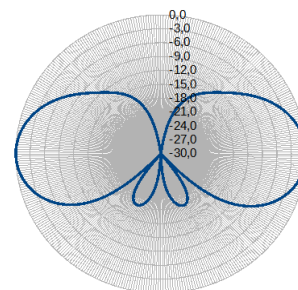
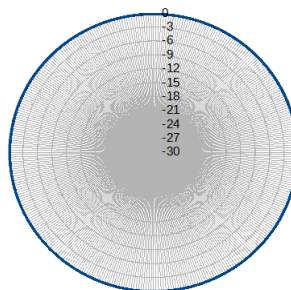
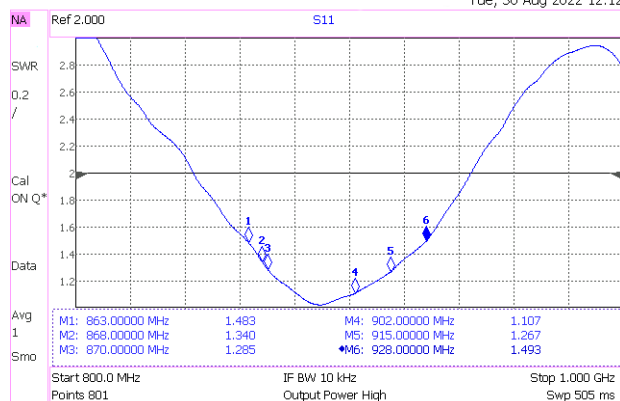
VSWR
(868 - 915 MHz)

H-Plane

E-Plane

Keysight Technologies

Tue, 30 Aug 2022 12:12



L'azienda produttrice si riserva di apportare modifiche e miglioramenti in qualsiasi momento senza obbligo di preavviso
The manufacturer reserves the right to change or improve this documentation at all times and without notice.

ENG-Rev. 0

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

868/915/2400MHz colinear antenna
suitable for applications
LoRa, LoRaWAN, Sigfox, ISM
WiFi – WLAN



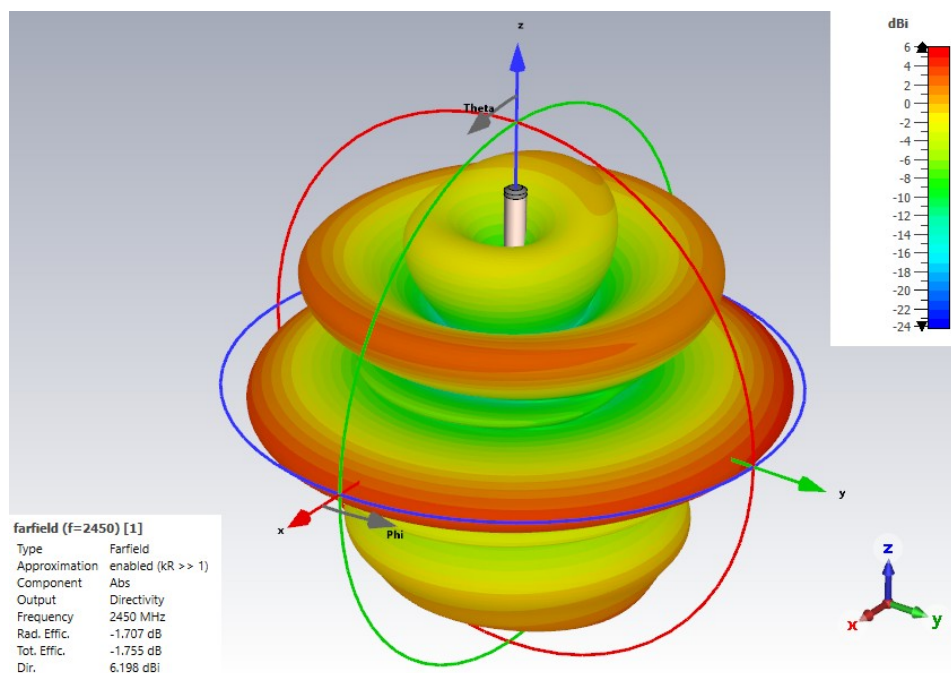
Ora-5-868-2400 MHz (connection N-F)

P/N: **M07-003**

Ora-5-868-2400 MHz (connection N-M)

P/N: **M07-022**

Radiating pattern (frequency ranges 2400-2500MHz)



Diagrammi di radiazione

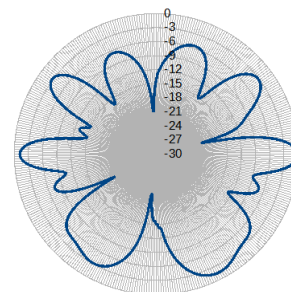
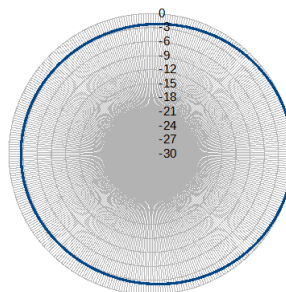
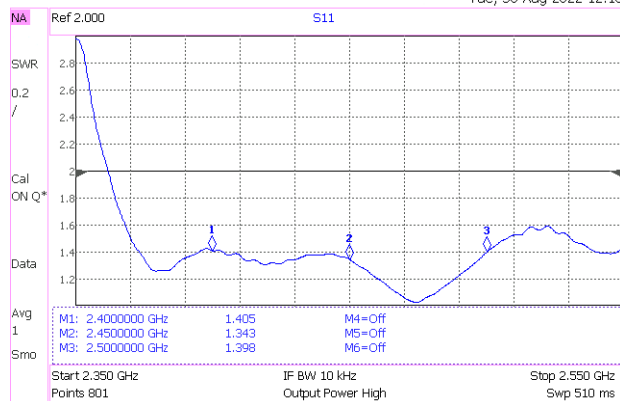
VSWR
(2400-2500 MHz)

H-Plane

E-Plane

Keysight Technologies

Tue, 30 Aug 2022 12:10



L'azienda produttrice si riserva di apportare modifiche e miglioramenti in qualsiasi momento senza obbligo di preavviso
The manufacturer reserves the right to change or improve this documentation at all times and without notice.

ENG-Rev. 0

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	
	868/915/2400MHz colinear antenna suitable for applications LoRa, LoRaWAN, Sigfox, ISM WiFi – WLAN	

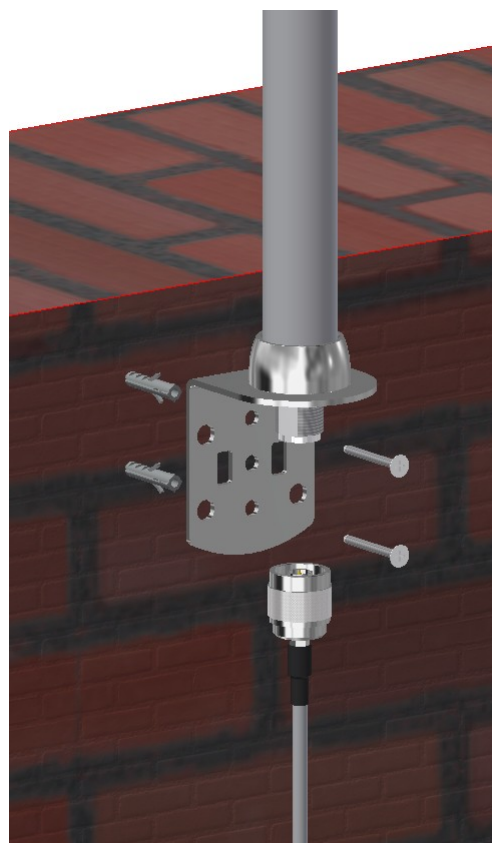
Ora-5-868-2400 MHz (connection N-F)
Ora-5-868-2400 MHz (connection N-M)

P/N: **M07-003**
P/N: **M07-022**

MOUNTING ON POLE Ø30-200mm



MOUNTING ON WALL



ITS NAME:

*The **ORA** wind originates in the Po valley and blows over the Garda Lake. It is a permanent wind typically blowing in the afternoon through sunset, especially on the Upper Lake in the summertime, when it blows more strongly. The Lower Lake is mostly immune, with the exception of a few summer early mornings, when it brings clouds and is an omen of weather worsening.*

Its speed does not exceed 8 m/s, except for in its ending segment between Malcesine and Riva, where the Ora slowly gains speed and reaches up to 15 m/s.

L'azienda produttrice si riserva di apportare modifiche e miglioramenti in qualsiasi momento senza obbligo di preavviso
The manufacturer reserves the right to change or improve this documentation at all times and without notice.

ENG-Rev. 0