


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 1/2 wave dipole antenna with insulated base Omnidirectional antenna with radiating elements insulated from the outside of the antenna radome. suitable for applications 868/915MHz (LoRa, LoRaWAN, Sigfox, ISM), GSM900/1800MHz, 3G-UMTS 2100MHz, WiFi 2,4GHz, 4G-LTE / 5G (Band 1, 2, 3, 5, 7, 8, 77, 78)	 ANT

Levanter-L 868-LTE (whip only w/ cable 0,5m)
Levanter-L-ST 868-LTE (w/ bracket w/ cable 3m)
Levanter-L-ST 868-LTE (w/ bracket w/ cable 5m)

P/N: B21-006
P/N: B23-005
P/N: B23-007

ELECTRICAL DATA

Frequency range	790-960/1710-2170/ 2400-2690/3300-3800 MHz
Impedance:	50 Ω
V.S.W.R. 790-960 MHz:	< 2.8 : 1
V.S.W.R. 1710-2170 MHz:	< 2 : 1
V.S.W.R. 2400-2690 MHz:	< 2 : 1
V.S.W.R. 3300-3800 MHz:	< 2 : 1
Max power:	10 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain:	2.15 dBi

MECHANICAL DATA

Dimensions (approximate):	Ø30x200 mm
Connector:	SMA plug (other on request)
Cable:	Low Loss Ø5mm 3 m or 5 m (other on request)
Operating temperature range:	-35° / +80°C
Weight (approximate):	0.050 kg
Radiating element material:	Copper
Screws:	Stainless steel
IP:	IP67
Bracket:	Only on Levanter-L-ST version

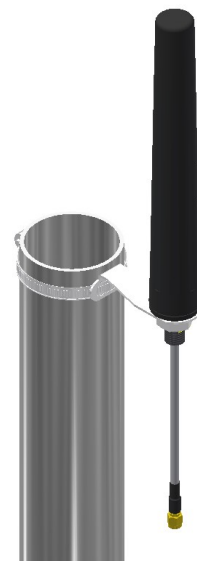
MOUNTING ON BOX



ON WALL



ON POLE



Insulated antenna: The antenna is galvanically insulated from its mounting support (box, pole or wall).

Watertight: The antenna is IP67 also when mounted directly on box.

Protection against oxydation: The antenna is designed to withstand the worst climatic conditions and so that the oxydation 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, without any sharp edges

RoHS/2 Directive: The antenna complies with the RoHS/2 Directive.

MOUNTING INSTRUCTIONS:

On box:

- Please drill a Ø13 mm hole in the box (with max thickness 6 mm, higher on request)

On pole:

- Please fix the bracket with stainless steel band of 9mm height.

On wall:

- Please use proper plugs inserts for wall mounting.

WARNING:

The antenna is isolated from its mounting support), however its performances may still be influenced by metallic or non metallic objects in its proximity.

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DESCRIPTION

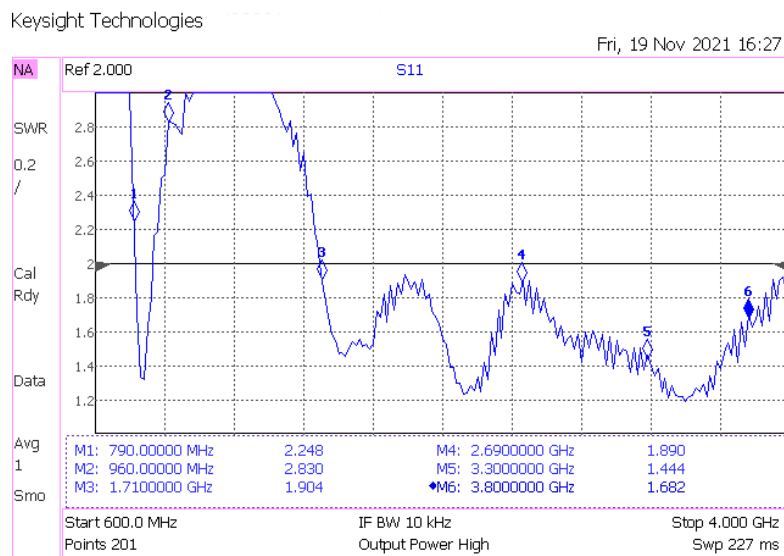
1/2 wave dipole antenna with insulated base
Omnidirectional antenna with radiating elements insulated from the outside of the antenna radome.
suitable for applications
868/915MHz (LoRa, LoRaWAN, Sigfox, ISM),
GSM900/1800MHz, 3G-UMTS 2100MHz, WiFi
2,4GHz, 4G-LTE / 5G (Band 1, 2, 3, 5, 7, 8, 77, 78)



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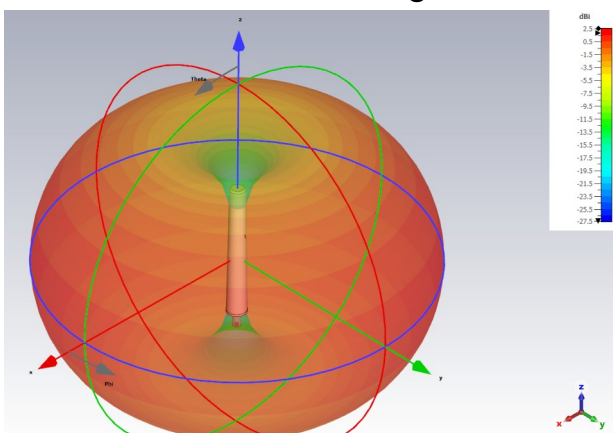
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V.S.W.R. (with 5m cable)



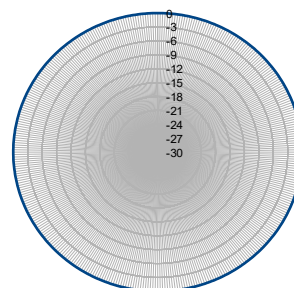
Radiation diagram

3D Radiation diagram

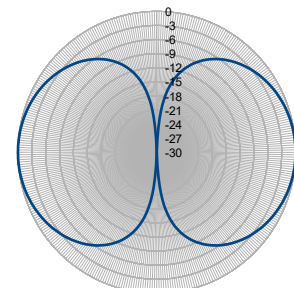


850 MHz

H-Plane



E-Plane



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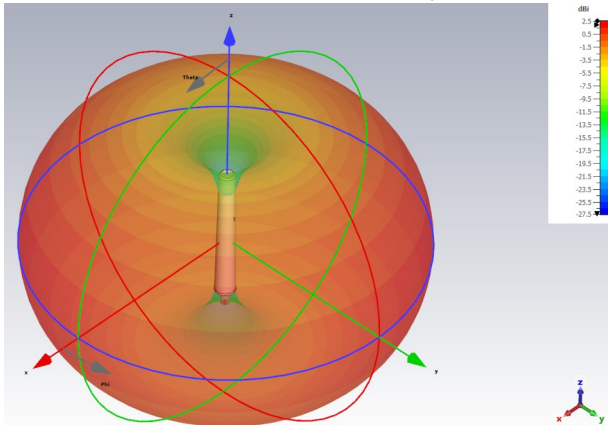


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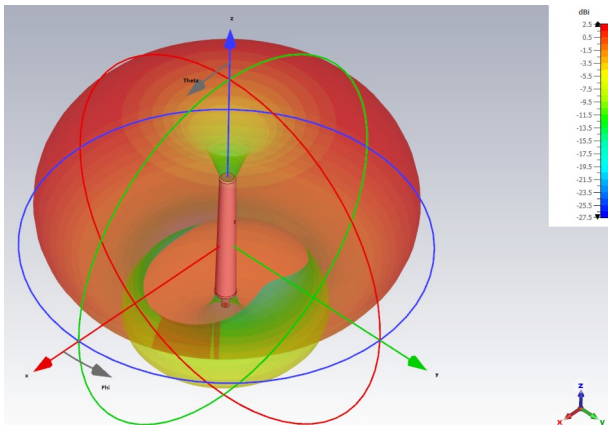
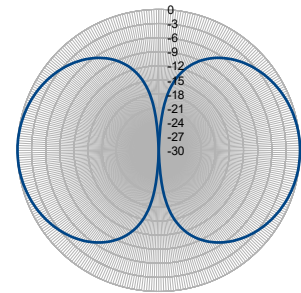
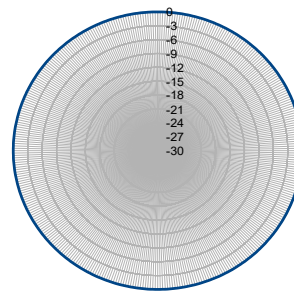
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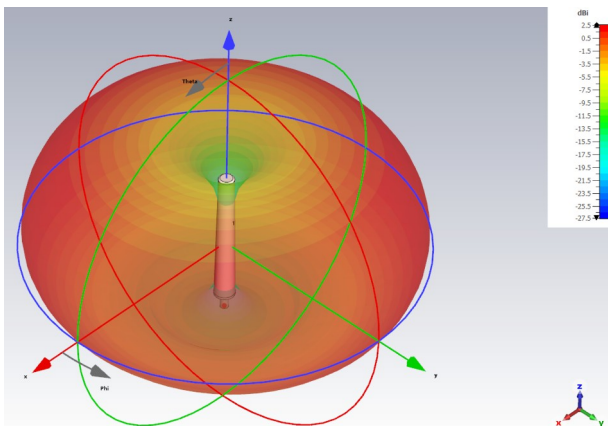
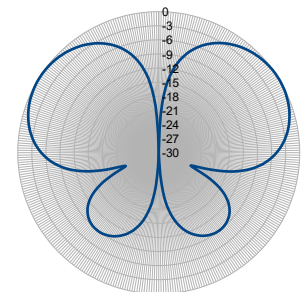
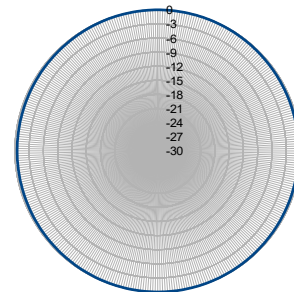
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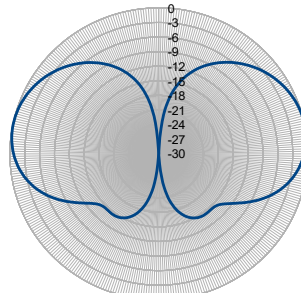
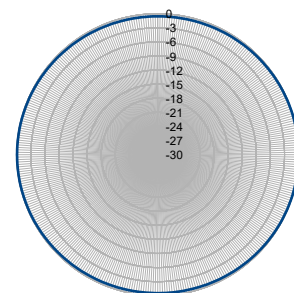
915 MHz



1800 MHz



2200 MHz



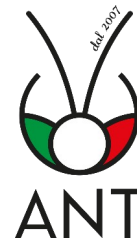
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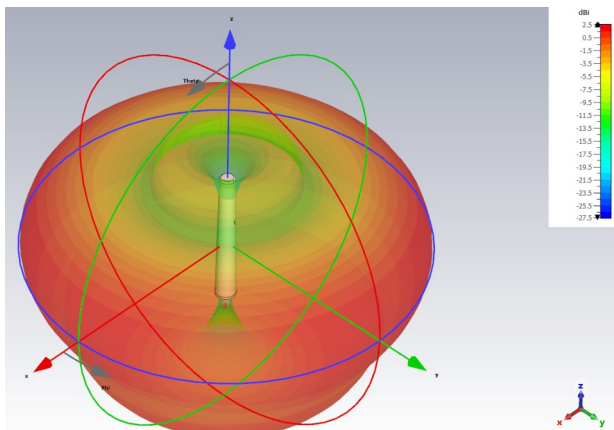
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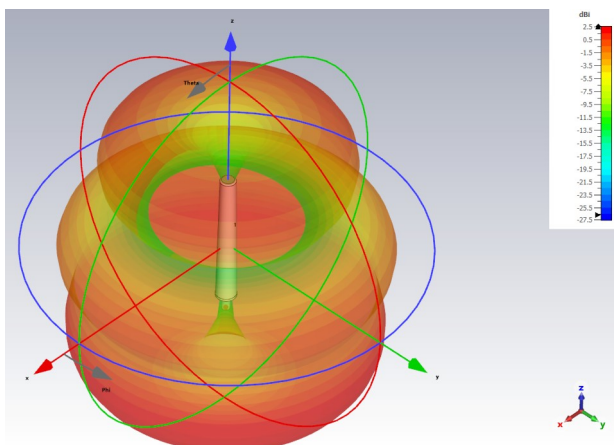
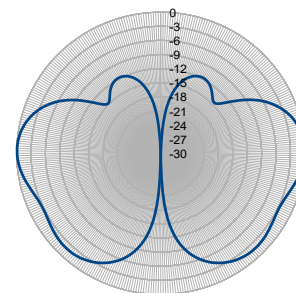
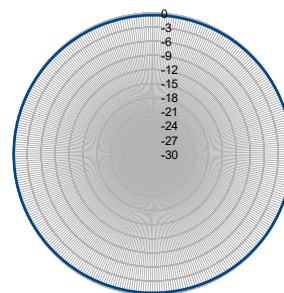


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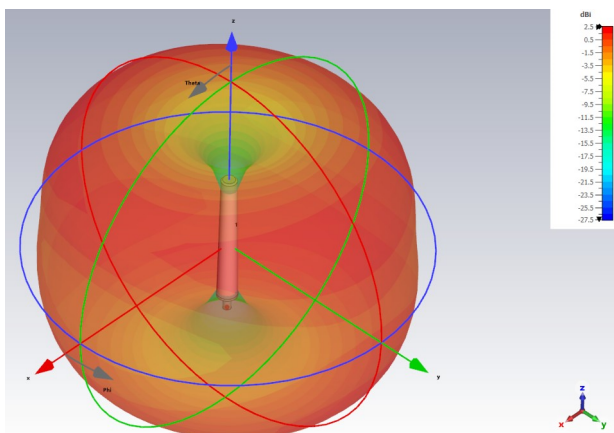
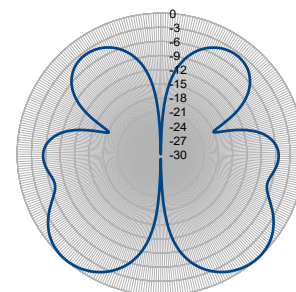
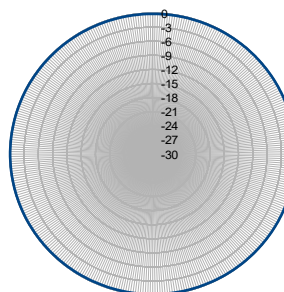
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2450 MHz




2600 MHz



3600 MHz

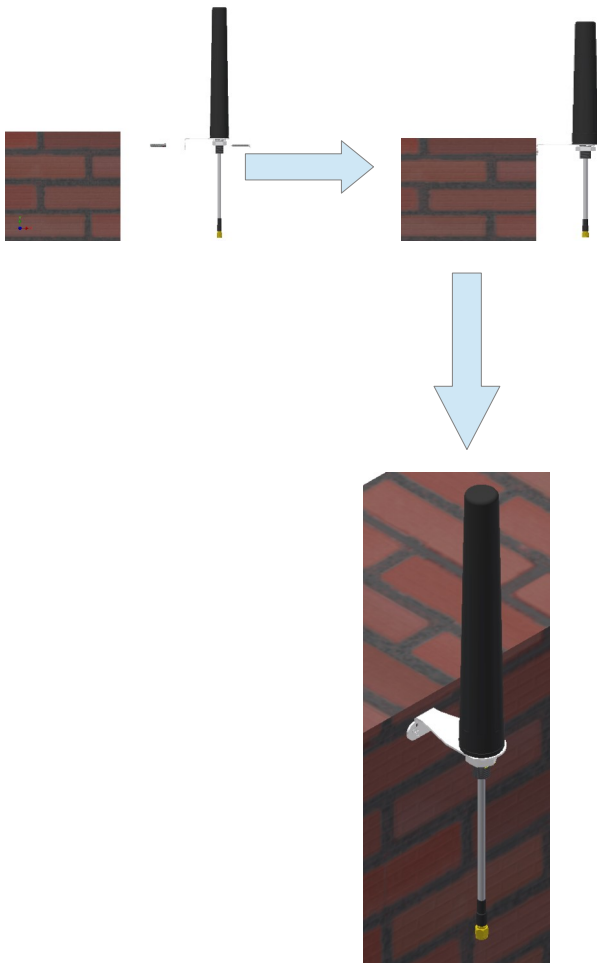
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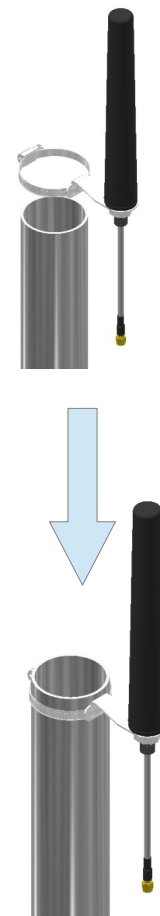
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WALL MOUNTING



WARNING:
Please use plugs (not included)

POLE MOUNTING



WARNING:
Please use 9mm high stainless steel band
(different options of bands dependig on pole
diameter are available)

ITS NAME:

The Levanter is an easterly wind blowing in the western Mediterranean Sea, especially in the Strait of Gibraltar. It is usually accompanied by clouds, fog and sometimes rain, mostly during the win