### ANT S.r.I.

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

Multiband antenna with con radiating element specific for each frequency band Suitable for applications 433-868/915MHz LoRa, LoRaWAN, Sigfox, ISM



### Vardar

### **ELECTRICAL DATA:**

Frequency range: Impedance: V.S.W.R. at 433 MHz: V.S.W.R. at 868/915 MHz: Max Power: Polarisation: Radiation: Gain 433 MHz: Gain 868/915 MHz: **CAL DATA:** 410-460 / 860-950 MHz 50 Ω < 2 : 1 < 2 : 1 15 W Linear Omnidirectional 2.1 dBi 2.1 dBi

# P/N: F04-000

### **MECHANICAL DATA:**

Dimensions (about): Connection: Cable: Operating Temperature: Weight: Radome material:

Radiating element material: Accessories:

Mounting thickness on SMA-F connector thread L=11.4mm antenna with gasket antenna without gasket:

#### Ø15x190 mm Ø15x190 mm SMA plug (other on request) On request -40° / +80°C 0.040 kg Thermoplastic elastomer (over moulded antenna) Stainless steel, brass Gasket to cover SMA socket nut.

thickness 1 to 2.5mm thickness 3 to 4.5mm



#### MOUNTING INSTRUCTIONS

Please connect the antenna on a SMA socket connector (6.5mm hole), if it is positioned on box, the provided gasket is to be used depending on the thickness of the box.

#### WARNING:

For correct installation, please place the antenna so that it is at least 5 cm apart from any metallic object and so that it is in vertical position and possibly in the centre of the ground plane.

(The antenna requires a suitable ground plane to achieve the stated performances).

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Protection against oxidation: the antenna is designed to be able to withstand the

Protection against accidental hits: the antenna is designed so that persons are

RoHS directive: The antenna complies with the RoHS Directive and its subsequent.

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.

protected from accidental hits against its projecting parts.



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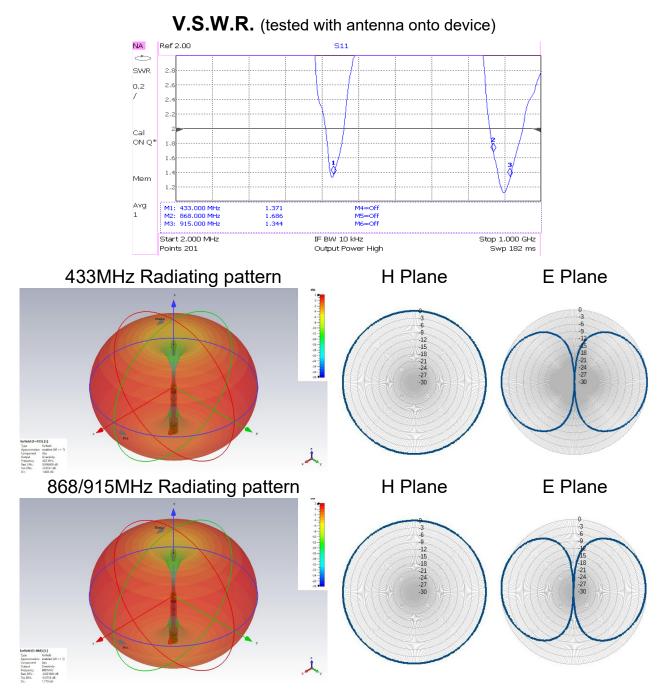
## DESCRIPTION

433 MHz and 868/915 MHz multiband antenna Omnidirectional antenna with SMA plug connection, with specific radiating element for each frequency band (ensuring the best performance achievable with  $\lambda/4$  geometry - 1/4 wave)



# Vardar 433-868-915

# P/N: **F04-000**



### ITS NAME:

The **Vardar** is a cold spring wind blowing from the northwest through the Vardar valley down to the Gulf of Thessaloniki in Greece. It forms when the atmospheric pressure over Eastern Europe is higher than over the Aegean Sea, mainly in winter. It is also called Vardarac.

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