

ANT S.r.l.

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DESCRIPTION

868 MHz sectoral antenna
suitable for applications
868/915MHz (LoRa, LoRaWAN, Sigfox, ISM)

**Ponal-D4****Ponal-D2****P/N: P10-013****P/N: P10-016****ELECTRICAL DATA**

Frequency range: 868 MHz
Impedance: 50 Ω
V.S.W.R. at 863-870 MHz: < 2 : 1
Max power: 100 W
Polarisation: Linear
Radiation: See patterns
Gain Ponal D2: > 8dBi
Gain Ponal D4: > 12dBi
Tilt: Mechanical
Beamwidth (-3dB E-plane) Ponal D2: 37°
Beamwidth (-3dB H-plane) Ponal D2: 120°
Beamwidth (-3dB E-plane) Ponal D4: 18°
Beamwidth (-3dB H-plane) Ponal D4: 120°

MECHANICAL DATA

Dimensions (approx) Ponal D2: 550x150x130 mm
Dimensions (approx) Ponal D4: 1050x150x130 mm
Connection: N socket (other on request)
Operating temperature range: -30° / +80°C
Weight (approx) Ponal D2: 5.50 kg
Weight (approx) Ponal D4: 7.50 kg
Radome material: Polyamide
Radiating element material: Copper
Supports: Stainless steel
Tilt: mechanical 0, +2, +4, +6, +8°



Protection against oxydation: The antenna is designed to withstand the worst climatic conditions and so that the oxydation of its parts is prevented, withits 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 ots projecting parts, without any sharp edges

RoHS Directive: The antenna complies with the RoHS Directive and its susequent.

MOUNTING INSTRUCTIONS:

Mounting on pole: please use the supplied mounting kit

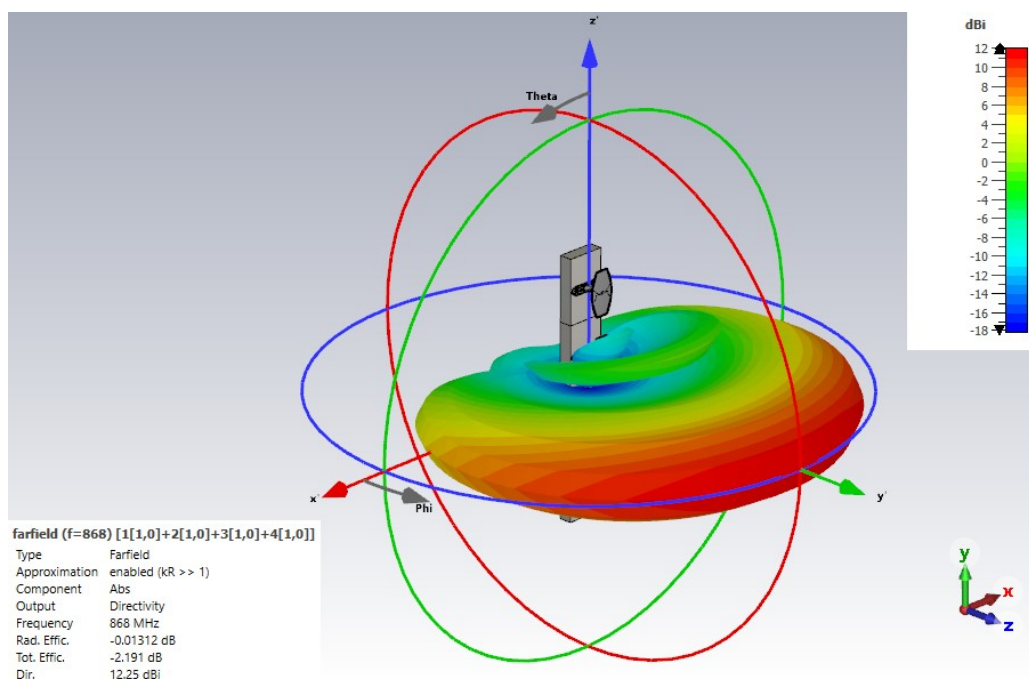
Mounting on wall: please use the supplied mounting kit

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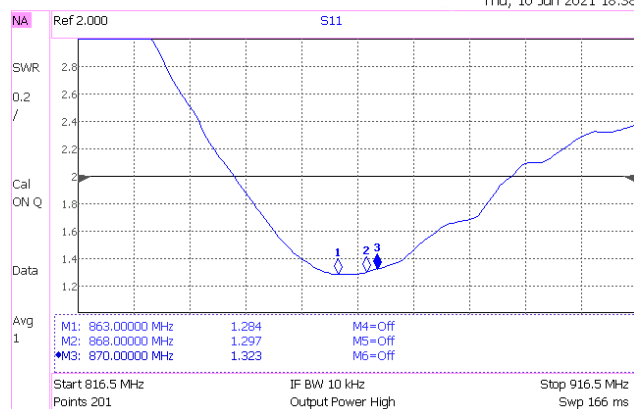
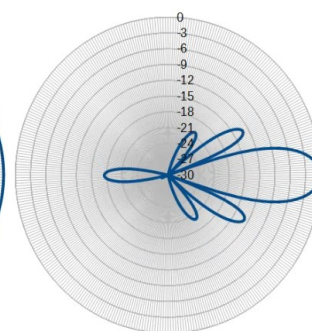
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**Ponal-D4****P/N: P10-013****Ponal-D2****P/N: P10-016****Radiating patterns - Ponal D4****3D radiating pattern****VSWR (Ponal D4)**

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Thu, 10 Jun 2021 18:38

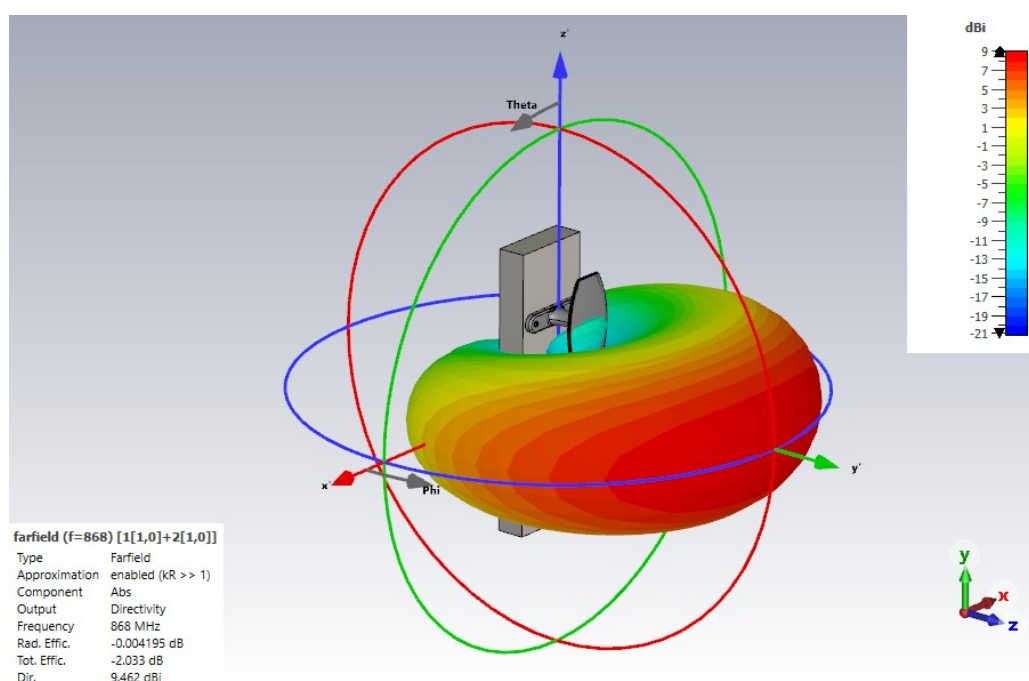
**H-Plane****E-Plane**

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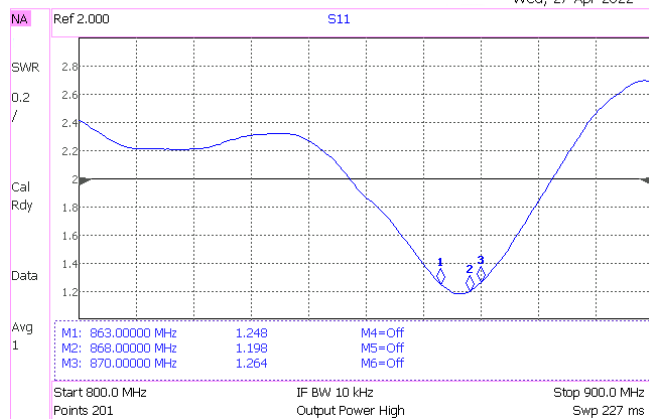
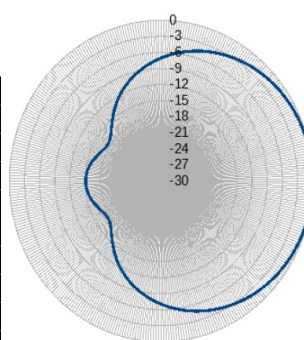
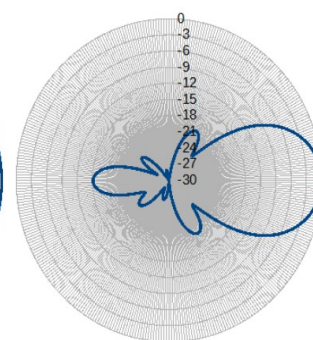
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**Ponal-D4****P/N: P10-013****Ponal-D2****P/N: P10-016****Radiating pattern - Ponal D2****3D radiating pattern****VSWR (Ponal D2)**

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Wed, 27 Apr 2022

**H-Plane****E-Plane****ITS NAME:**

Ponal is a strong summer wind blowing mornings and evenings from Ledro valley through the bed of the Ponale creek, to which it owes its name.

ANT S.r.l. si riserva di apportare modifiche e miglioramenti in qualsiasi momento senza obbligo di preavviso
ANT S.r.l. reserves the right to change or improve this documentation at all times and without notice.

ENG-Rev.0