


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	
	6-element yagi antenna Suitable for applications in: 868MHz, LoRa, LoRaWAN, Sigfox, ISM	

Yagi-6-868

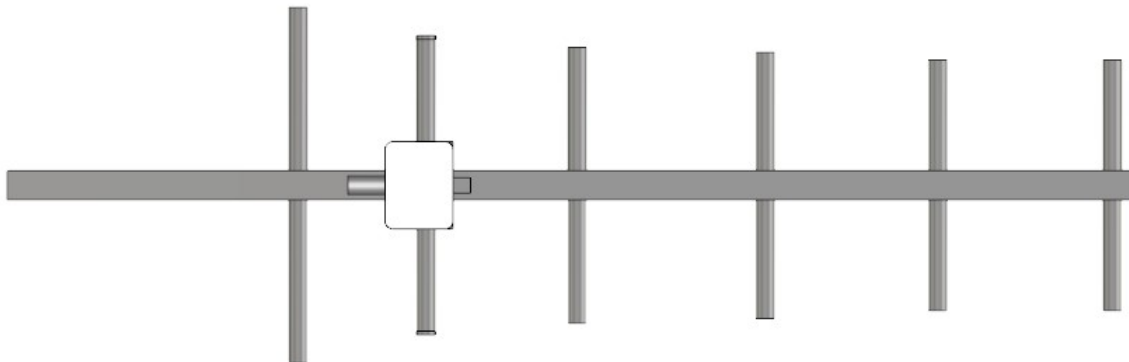
P/N: Y26-000

ELECTRICAL DATA

Frequency range (with VSWR < 2:1):	800-880 MHz
Impedance:	50 Ω
V.S.W.R.:	< 1.6 : 1
Max power:	100 W
Polarisation:	linear H/V
Gain:	about 11.5 dBi
Radiation:	directive
Beamwidth (-3dB E-Plane)	46°
Beamwidth (-3dB H-Plane)	56°
Front-to-back ratio:	>15 dB
Protection against electrostatic discharges:	DC grounded

MECHANICAL DATA

Dimensions (approx):	580x183 mm
Connection:	N socket (other on request)
Cable:	about 0.5m
Operating temperature range:	-40° / +80°C
Weight (approx):	0.5 kg
Wind load:	30 N at 160 km/h
Elements material:	galvanised aluminium
Boom material:	galvanised aluminium
Accessories:	Bracket for mounting on mast



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 being made of raw materials resistant to external environmental agents. Its radiating elements are made of galvanised aluminium.

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

MOUNTING I STRUCTIONS

Pole mounting: Please use the dedicated mounting clamp for poles of Ø25 mm (1 inch) to Ø50 mm (2 inches)

WARNING:
The antenna can be installed with horizontal/verticl polarisation.

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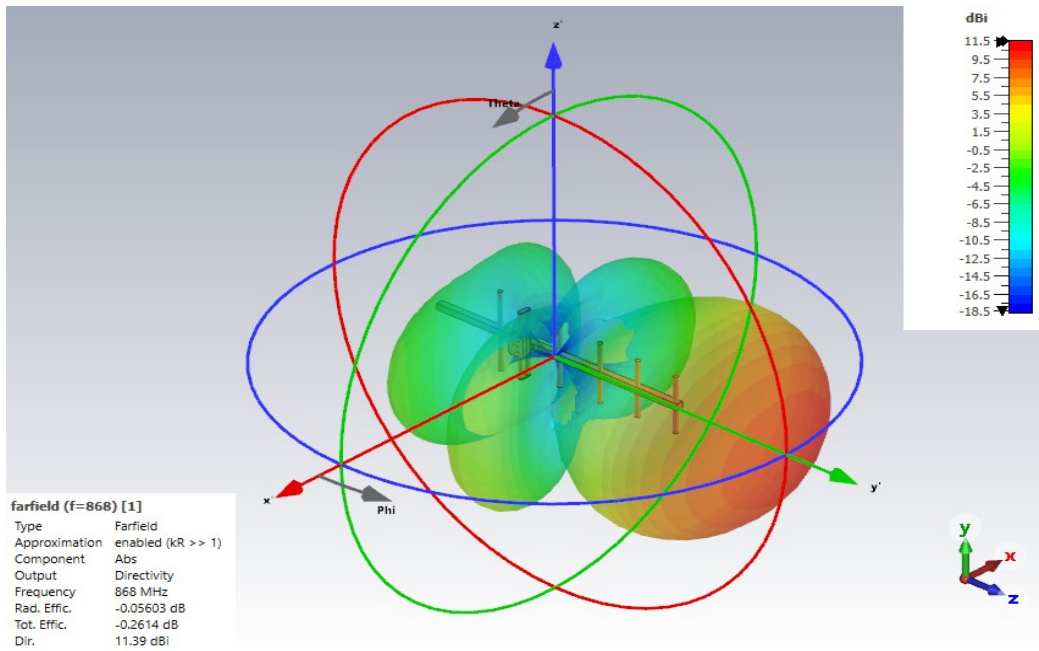
6-element yagi antenna
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Yagi-6-868

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Radiating patterns



VSWR
(Antenna Yagi-6-868)

H-Plane

E-Plane

