


<b>ANT S.r.l.</b> Via della Concordia, 4 – 37036 S. Martino B/A (VR) - Italia Tel. +39 045 8781380 Fax +39 045 8795335 e-mail: <a href="mailto:commerciale@antsrl.eu">commerciale@antsrl.eu</a> <a href="http://www.antsrl.eu">www.antsrl.eu</a>	<b>DESCRIPTION</b>	
	<b>868 MHz colinear antenna</b> <b>with aluminium base and glass fiber mast</b> Suitable for applications LoRa, LoRaWAN, Sigfox, ISM	

**OC-8dBi-868**

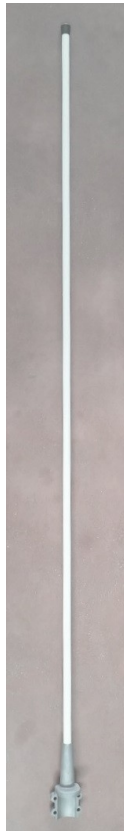
**P/N: M07-004**

**ELECTRICAL DATA**

Frequency range (with V.S.W.R. < 2 : 1)	815-935 MHz (version 915MHz available)
Impedance:	50 Ω
V.S.W.R.:	<1.5 : 1
Max power:	100 W
Polarisation:	Linear
Radiation:	Omnidirectional
Gain:	8 dBi
Beamwidth (-3dB E-Plane):	16°
Beamwidth (-3dB H-Plane):	360°
Protection against electrostatic discharges:	DC grounded

**MECHANICAL DATA**

Dimensions (approx):	Length 1500 mm
Connection:	N socket
Cable:	(extension on request)
Operating temperature range:	-35° / +80°C
Weight (approx):	1.700 kg
Radiating element material:	Brass, copper with radome
Radome material:	Glass fiber Ø22 mm
Base material:	Galvanised aluminium
Accessories:	Base and accessories for pole- mounting



**Protection against static electricity:** The antenna is designed with the rod electrically connected to the mass, so that the antenna is protected against electrostatic discharges.

**Protection against oxidation:** The antenna is designed to be able to withstand the worst climatic conditions and so that the oxidation of its components is prevented.

**RoHS Directive:**

The antenna complies with the RoHS Directive and its subsequent.

**MOUNTING INSTRUCTIONS:**

**Pole mounting:** Please use the proper clamp for poles of Ø30 mm (1 inch) to max Ø60 mm (2 inches).

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## DESCRIPTION

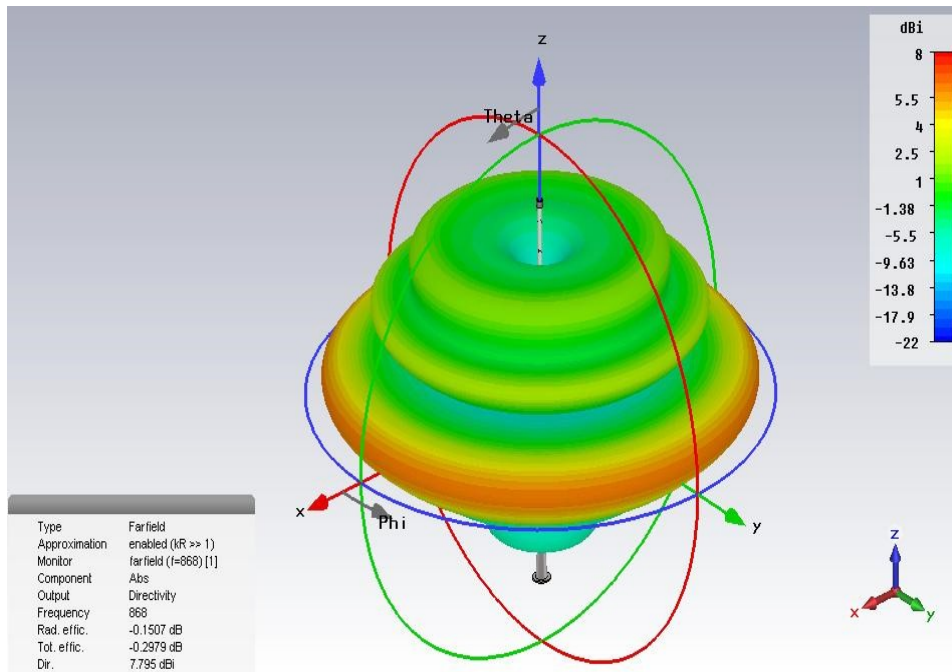
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**with aluminium base and glass fiber mast**  
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**OC-8dBi-868**

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### Radiating pattern

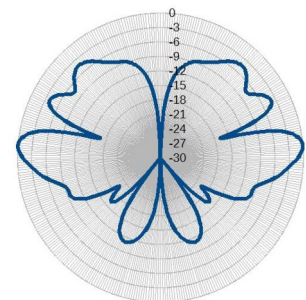
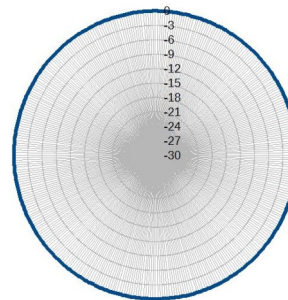
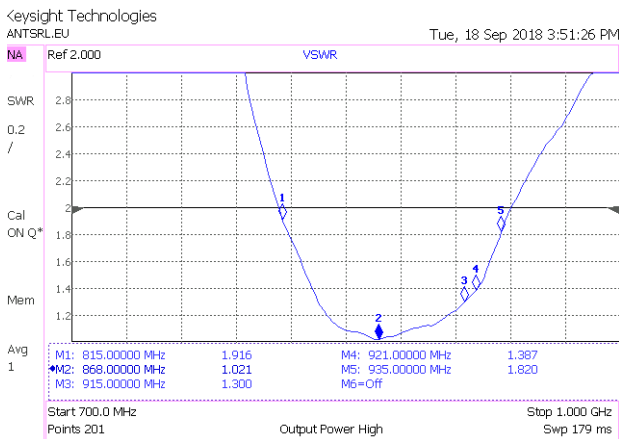


### Radiating patterns


**VSWR**  
(Antenna OC-8dBi-868)

**H-Plane**

**E-Plane**



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ANT S.r.l. reserves the right to change or to improve this documentation at all times and without any notice.

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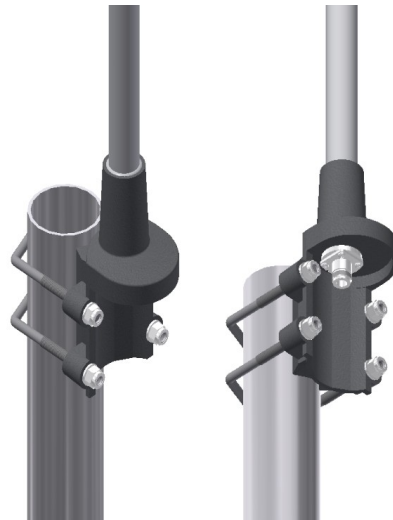
**OC-8dBi-868**

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**MOUNTING ON POLES Ø30-60mm**



**EXTERNAL MOUNTING  
Ø30-Ø60mm**



**INTERNAL MOUNTING  
Ø40-Ø60mm**

