



# AT 24/N

## DIRECTIONAL FM BROADCAST ANTENNA



The AT 24/N Directional Antenna is designed for low power transmissions in FM Broadcast Band (87.5 - 108 MHz). This antenna is made with non-corrosive aluminum alloy and composed of four elements and a mounting bracket.

**Effective cost.** A good performance at effective cost is the main feature of this antenna.

**Broadband.** Suitable for channel or broadband operations with multi-channel combiners.

**Horizontal or Vertical polarization** are possible with the standard mounting brackets.

**Instant installation.** The reduced overall dimensions and the low weight permit an easy installation even on light poles

**Disassemblable.** This antenna is disassemblable in order to reduce the shipment and stocking costs.

**Lightning resistance** is guaranteed by the DC ground potential of the entire antenna.



### Technical Parameters

RF DATA	Frequency Range	87.5 - 108.0 MHz
	Bandwidth	Broadband
	Connector	N female
	Max Power Handling Capability	400 W
	Gain (at mid band, ref. to $\lambda/2$ dipole)	5.5 dB
	VSWR (in the whole band)	< 1.15:1
	Impedance	50 $\Omega$
	Frontal to back ratio	21 dB
	Wind load (ref 150 Km/h)	
	Frontal	6 Kg
	Lateral	8 Kg
	Grounding	Via clamps
	Horizontal Beam width (at -3 dB, at mid band)	65°
	Vertical Beam width (at -3 dB, at mid band)	150°
MECHANICAL	Element Number	4
	Materials	Aluminium
	Pole Diameter	25-55 mm (others on request)
	Dimensions (HxWxD)	1160x1750 mm
	Weight (with pole clamp):	1.25 kg

