

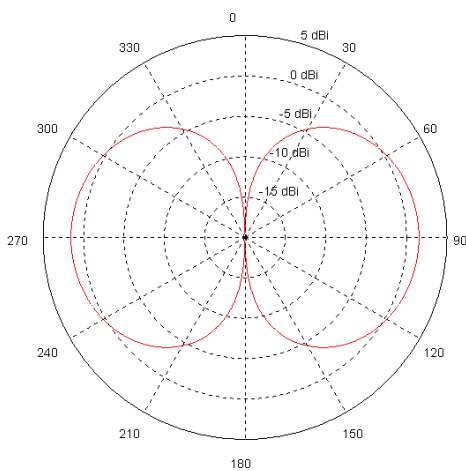
Omnidirectional antenna

ATC S14 VHF

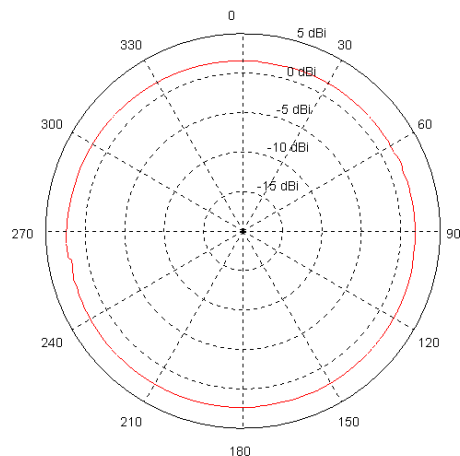


The omnidirectional antenna designed to operation in the vertical polarization in the VHF band. The antenna includes a half wave dipole with elements to optimize the matching. The ATC S14 is DC-grounded and ensures draining of electrostatic charges, a lightning rod placed on the top allows installation without an additional lightning protection. Application: civil and military systems for terrestrial and aviation communications.

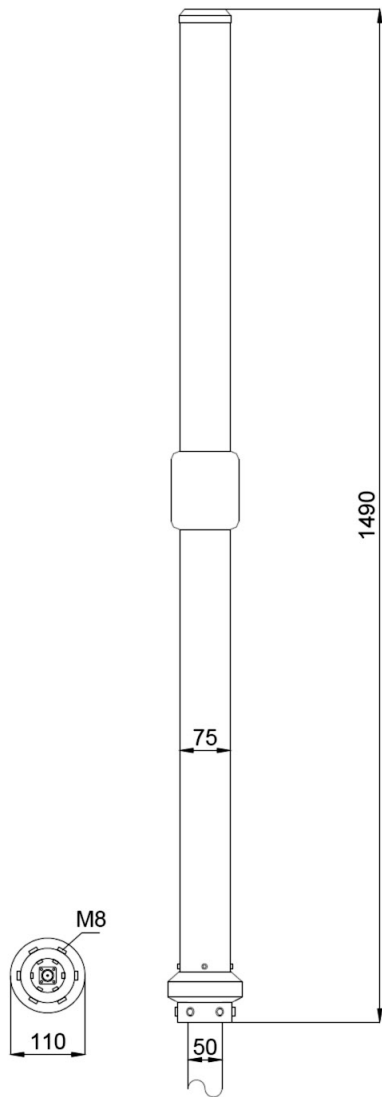
ELECTRICAL	
Gain (ref. to $\lambda/2$ dipole)	2.15 dBi
Radiation pattern	omnidirectional
Impedance	50 Ω
Antenna type	1 / 2 λ dipole
VSWR	< 1.5
Frequency range	118 – 136 MHz
Bandwidth	18 MHz
Maximum power	500 W
Horizontal radiation pattern code (H-plane)	000ND00 (CEPT Recommendation T/R 25-08)
Vertical radiation pattern code (E-plane)	040DE00 (CEPT Recommendation T/R 25-08)
MECHANICAL	
Connector	N female
Material	Aluminium, fiberglass laminate, green or white (RAL 9003)
Polarization	vertical
Weight	7.5 kg
Lightning protection	DC-grounded, grounding clamp on the mounting corps
Total dimensions (diameter/height)	110 / 1490 mm
Diameter of mounting mast	50 mm
Packaging	Carton box
Warranty period	36 months
Wind speed	160 km/h
CLIMATIC CONDITIONS	
Temperature range	-40°C ÷ +70°C
Humidity	≤ 100% at +40°C



Vertical radiation pattern



Horizontal radiation pattern



Total dimensions of the ATC S14



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