

ATOM2 is a very low loss antenna designed for mobile TETRA communications. Using Advanten patented technology, ATOM2 is also characterized by a very low VSWR over the whole TETRA Band 380 – 470 MHz, in spite of its relatively small size.

ATOM2 is designed for both outdoor and indoor use. Similarly, this antenna is perfectly suited for use on a moving vehicle as well as on a fixed infrastructure.

ATOM2 is DC grounded for protection against lightning and high-tension line.

ATOM2 is certified as meeting the standards required for public transport Train, BUS, Metro and Tramway

SPECIFICATIONS

Electrical Data

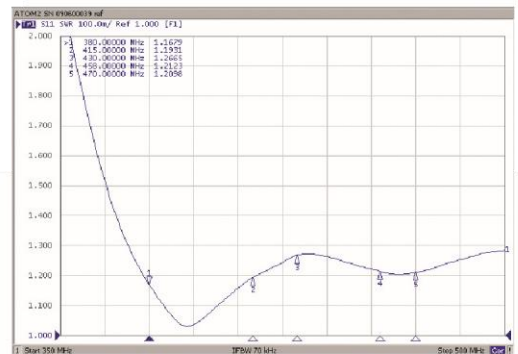
Frequency range	380 – 470 MHz (TETRA band)
Input impedance	50 Ω
VSWR	< 1.7/1
Maximum input power	50 W
Peak gain	2 dBi
Radiation pattern	Omni-directional
Polarization	Vertical

Mechanical Data

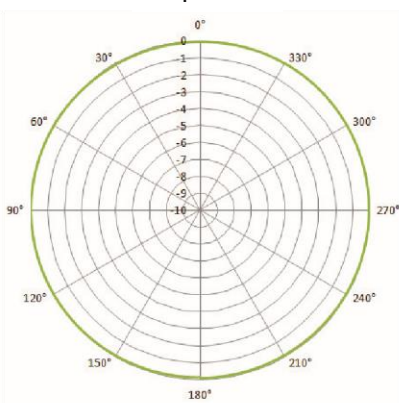
Connector	N female
Material	U.V. stabilized and flame retardant ABS, aluminum base plate
Colour	White
Inner conductor	DC grounded
Weight	700 gr
Dimensions	Height: 117 mm (4.6") Diameter: 100 mm (3.94")
Operating temperature	- 25 °C to + 70 °C (- 13°F to +158°F)
Relative humidity	0% to 100%
Ingress protection	IP65
Standards	- ETSI EN 300 392-2 V2.3.2 (2001-03) - NF EN 50388 and NF EN 50123 - NF F 16-601 and NF F 16-602

Mounting Data

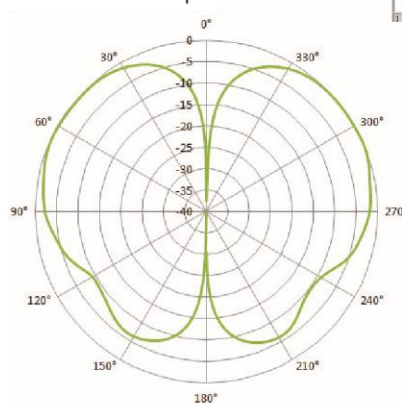
Fixing	M25 nut + ring
Spindle diameter	25 mm (0.98")
Max. thickness for support	11 mm (0.43")



H-plane



E-plane



VSWR

