

# UHF Vehicular Antenna



Rugged, strong, reliable

Radiall introduces the new UHF Vehicular Antenna for military applications. Embedded on terrestrial or marine vehicles, it provides excellent electrical performance and a robust design, within a small form factor.



UHF Vehicular Antenna

## Vehicle Mount UHF Antenna

- Excellent electrical performance
  - » Gain 2 dBi & VSWR 2:1 typical
  - » VSWR 3:1 max
- Robust design
  - » IP67 product
  - » Environmental performance according to MILSTD810G
- Small form factor
  - » 800 mm Height 25mm Diameter

Frequency Range (MHz)	225 - 512 Mhz
Impedance ( $\Omega$ )	50
V.S.W.R	3:1 max 2:1 (typical)
Gain in Azimuth Plane (Peak Gain)	1.5 $\pm$ 2 dBi 2 dBi (typical)
Polarization	Vertical
Radiation Pattern	Omnidirectional
Maximum Power (W CW)	70
Ripple in Azimuth Plane	$\pm$ 1 dB
Connector Type (NATO Base)	N female

Mass of Antenna (kg)	1.04
Antenna Length (cm)	80
Wind Loading (m/s)	> 56
Antenna Diameter (mm)	25
"Oak" Beam Test	25 times @ 40 km/h @ 0.55m

## Applications

Radiall's UHF Vehicular Antennas are designed for mobile radio installations requiring high power to communicate with central command bases:

- Military terrestrial vehicles of all types
- Military shipboards