

Technical Description

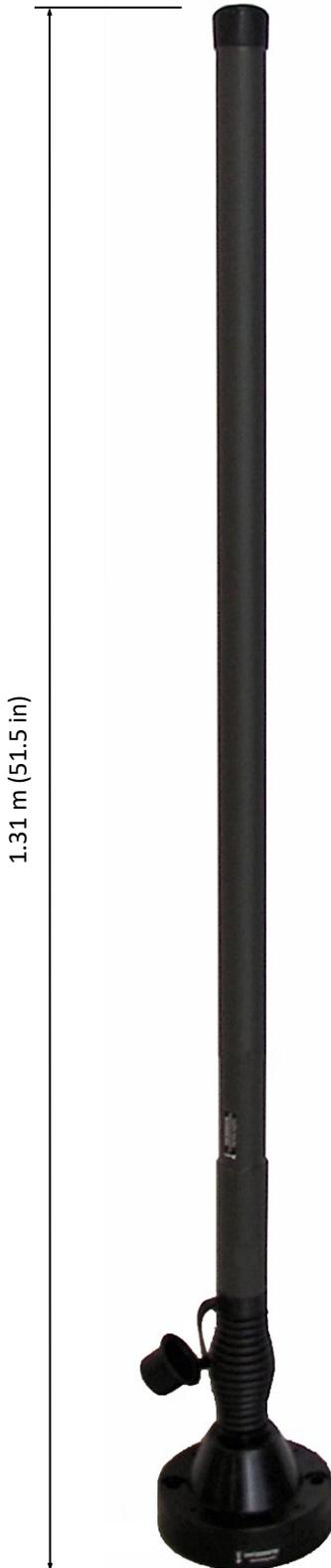
- 225-450 MHz & 1200-2600 MHz
- 2-port version - UHF and L-S band
1-port version - combined UHF and L-S band
- Dual-dipole design, ground plane independent.
- Designed for operation on all kinds of vehicles including armored vehicles
- Suitable for operation on shelters and to be mounted on masts or in other permanent installations.
- Rugged high quality antenna with a durable construction
- NATO flange base with spring.

Electrical specifications

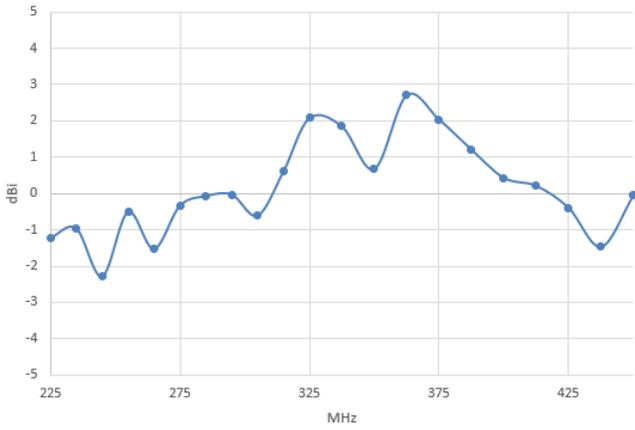
Frequency range	UHF: 225-450 MHz L-band: 1200-2600 MHz
VSWR	2-port: UHF < 3.0:1, L-S band < 3.0:1 1-port: UHF / L-S band 3.0:1
Port-to-port isolation	2-port: > 40 dB
Nominal impedance	50 Ω
Power rating	UHF: 75 W L-band: 50 W
Gain	UHF: See plot L-band: See plot
Radiation pattern	Azimuth: Omni-directional within ±2.5 dB
Polarization	Vertical
Connector	2-port: UHF: BNC female, L-S band: N female 1-port: UHF/L-S band: N female

Mechanical specifications

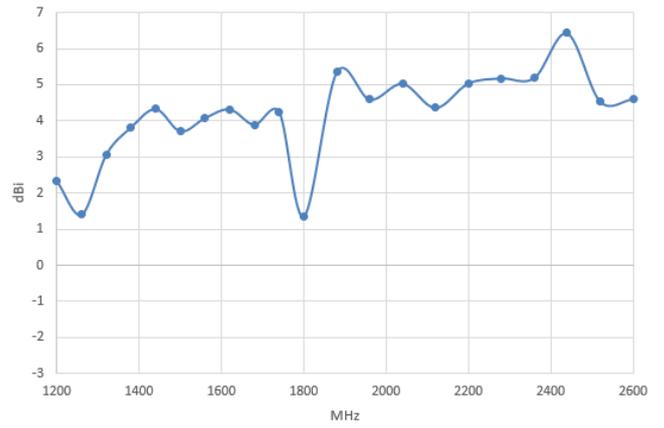
Design	UHF: dipole. L-band: dipole array. Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, stainless steel and aluminum.
Length	1.31 m (51.5 in)
Weight	Whip: 1.0 kg Base: 2.45 kg
Wind rating	55 m/s
Finish	Polyurethane lacquer
Temperature range	-55°C to +71°C, -67°F to +160°F



Typical Gain Plots (on horizon)



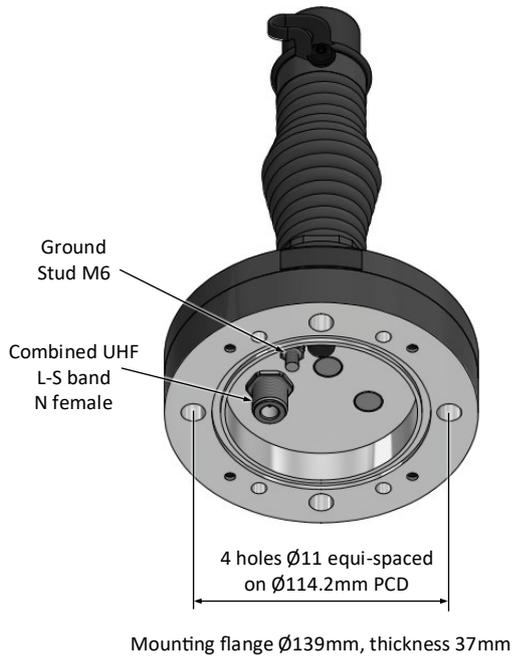
UHF, 225-450 MHz, Gain, dBi



L-S band, 1200-2600 MHz, Gain, dBi

Base Details & Connections

1-Port
Base height 240mm



2-Port
Base height 240mm

