

Features

- Unique platform space saving quad-band design.
- 30-88 MHz, 225-450 MHz, 700-6000 MHz (Optimized for frequency bands shown in table).
- 2 connectors, VHF and combined UHF/L-S-C band.
- External diplexer available to split the UHF, L-S and S-C bands.
- Good isolation between ports.
- Designed for operation on all platforms including armored vehicles.
- Suitable for operation on shelters, mounted on masts or other permanent installations.
- Rugged high quality antenna with a durable construction.
- NATO 4-hole spring base.
- UHF dipole, L-S-C band antenna elements are located high in the whip for maximum range. VHF monopole requires a ground plane.

Electrical Specifications

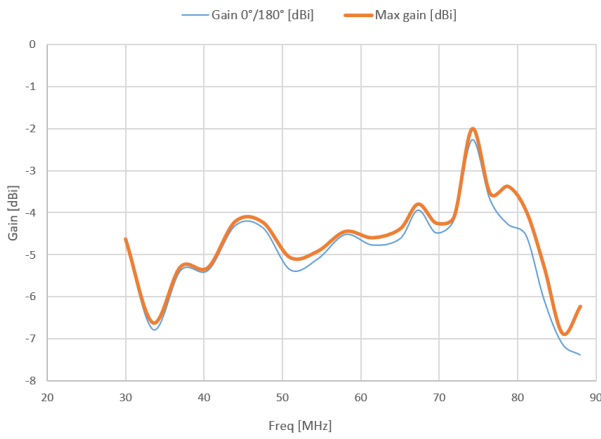
Frequency range	VHF: 30-88 MHz UHF: 225-450 MHz Upper UHF: 700-960 MHz L band: 1350-1440 MHz L-S band: 1710-2700 MHz S-C band: 3200-6000 MHz
VSWR	VHF: < 3.5:1 ¹ UHF: < 3:0 L-S-C band: < 3:0 ²
Nominal impedance	50 Ohm
Power rating	VHF: 75 W UHF: 75 W Upper UHF: 30 W L band: 30 W L-S Band: 30 W S-C band: 25 W
Gain	See graphs overleaf
Radiation pattern	Omnidirectional nominal
Polarization	Vertical
Connectors	VHF: TNC Female UHF: L-S-C band: N Female

1. Mounted in the corner of 3m x 3m ground plane.
2. Can rise to 3.5:1 over 10% of the frequency band.

Mechanical Specifications

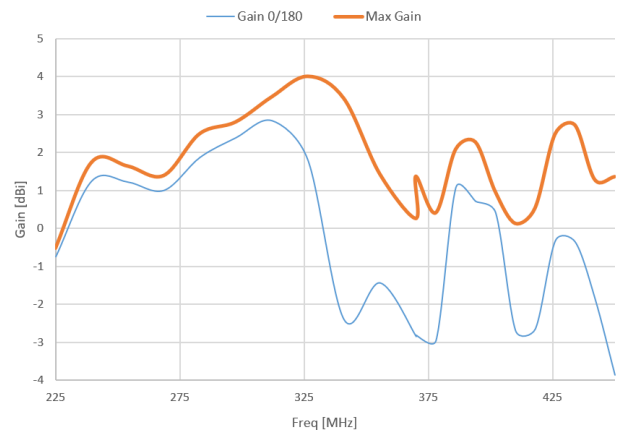
Design	VHF: End feed monopole UHF: Dipole L-S-C band: Stacked dipole elements Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, aluminum and stainless steel.
Length	1.61 m (63.3 in)
Weight	Whip: 1.5 kg (3.3 lbs), Base: 2.8 kg (6.2 lbs)
Wind rating	55m/s (125mph)
Finish	Polyurethane lacquer
Temperature range	-55°C to +71°C, -67°F to +160°F

Gain Curves

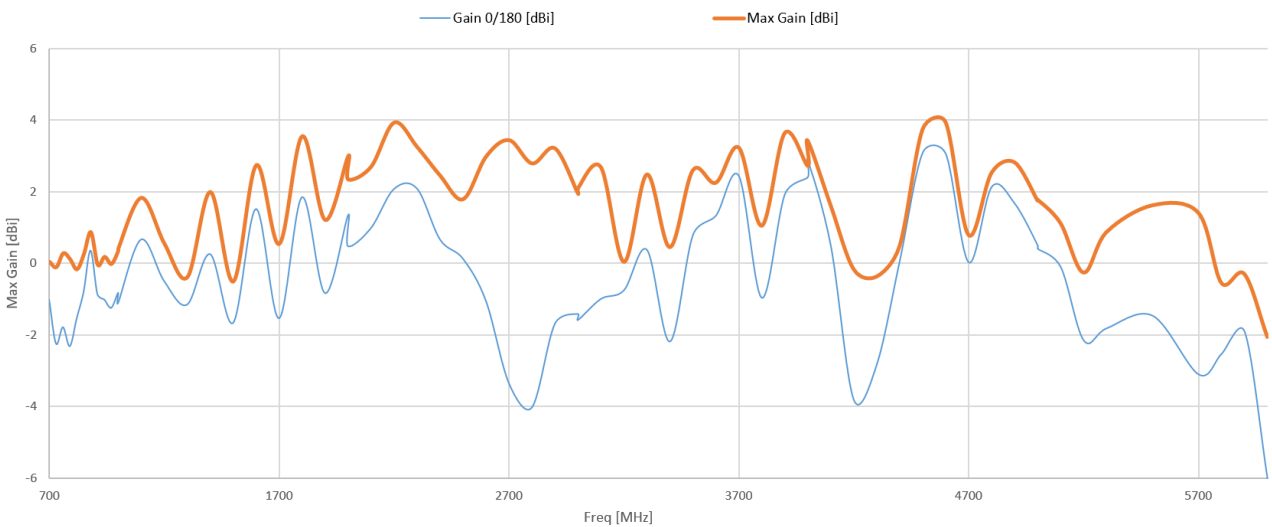


VHF gain, dBi

Center of 1.2 x 1.2m (4 x 4 ft) ground plane with 1m conductive legs



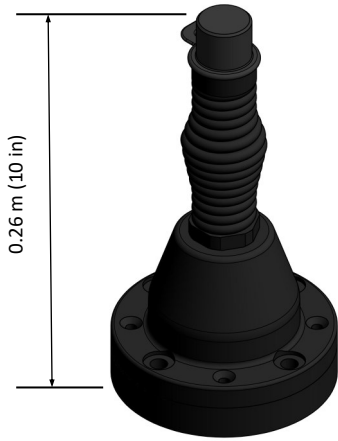
UHF gain, dBi



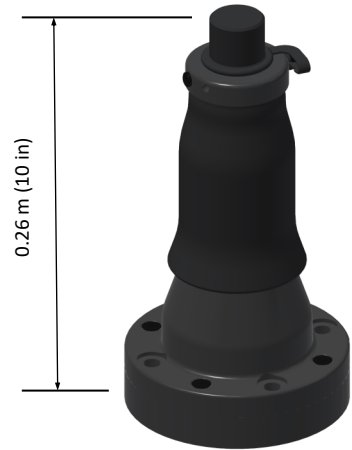
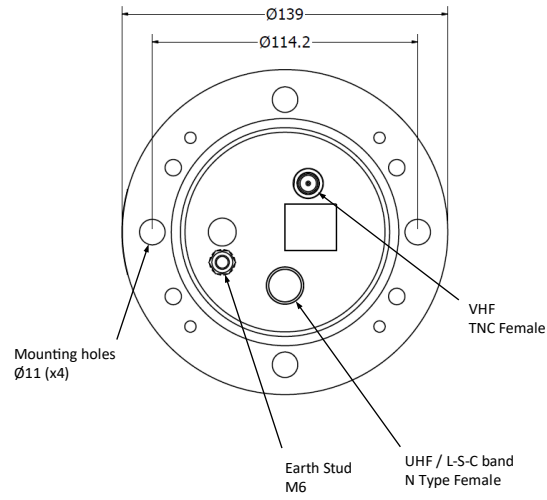
L-S-C band gain, dBi

Nato 4-Hole Spring Base

VHF306000QB2
(two connector)



Spring Base



With Spring Dampener