

### Features

- Unique quad-band design.
- 30-88 MHz, 225-450 MHz, 1200-2600 MHz & 2000-6000 MHz.
- 4 connectors, VHF, UHF, L-S band & S-C band.
- Optional two connector version VHF/UHF/L-S band & S-C band
- High 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 and L-S band antenna elements are located high in the whip for maximum range. S-C band element in the antenna spring base. VHF monopole requires a ground plane.

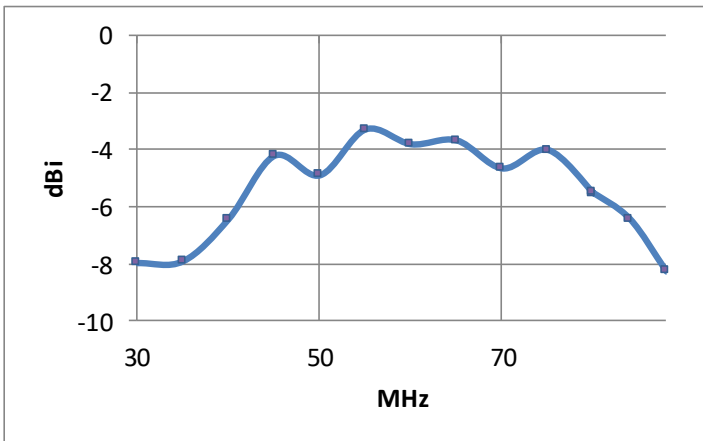
### Electrical Specifications

Frequency range	VHF: 30-88 MHz UHF: 225-450 MHz L-S band: 1200-2600 MHz S-C band: 2000-6000 MHz
VSWR	VHF: < 3.5:1 UHF: < 3:1 L-S band: < 3:1 S-C band: < 3:1
Nominal impedance	50 Ω
Power rating	VHF: 75 W UHF: 75 W L-S Band: 50 W S-C band: 25 W
Gain	See graphs overleaf
Radiation pattern	Omnidirectional nominal
Polarization	Vertical
Connectors	<u>Four connector version</u> VHF: BNC female, UHF: BNC female, L-S band: N female, S-C band: SMA female  <u>Two connector version</u> VHF, UHF, L-S band: N female S-C band: SMA female

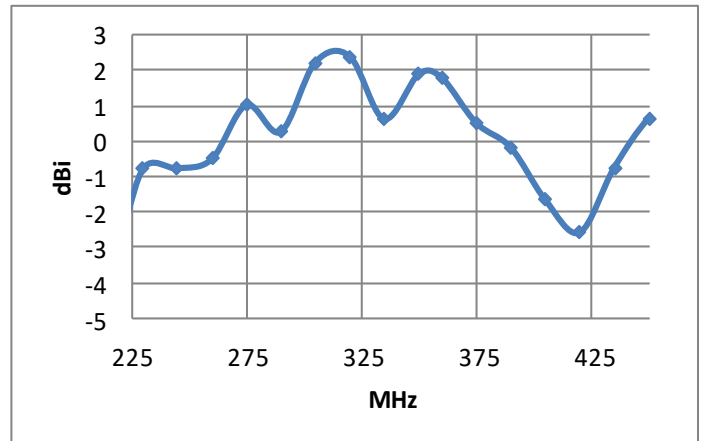
## Mechanical Specifications

Design	VHF: End feed monopole UHF: Dipole L-S band: Dipole elements S-C band: Dipole element Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, aluminum and stainless steel.
Length	1.64 m (64.5 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

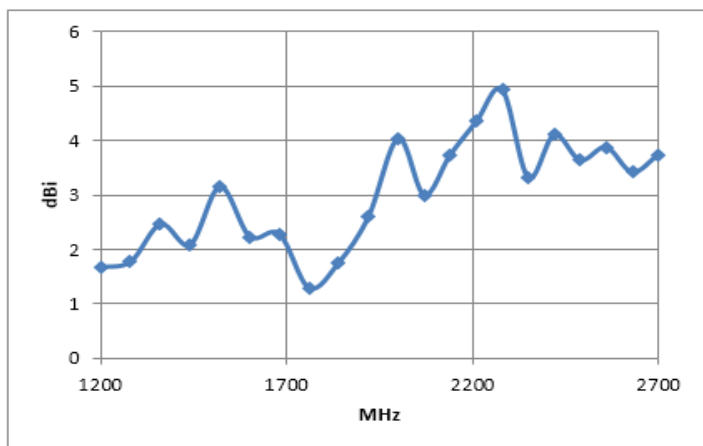
## Gain Curves



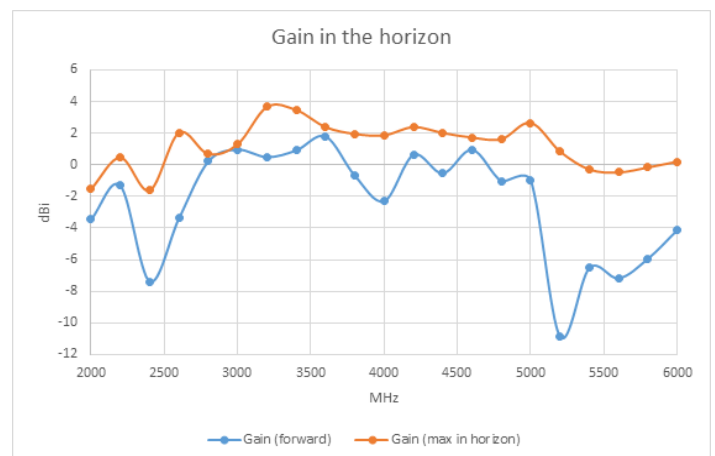
VHF gain, dBi, in the center of 1.2 x 1.2m (4 x 4 ft) ground plane. Gain will improve significantly on a 3 x 3m (10ft x 10ft) ground plane



UHF gain, dBi

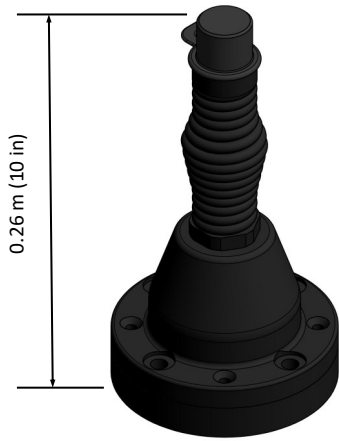


L-S band gain, dBi

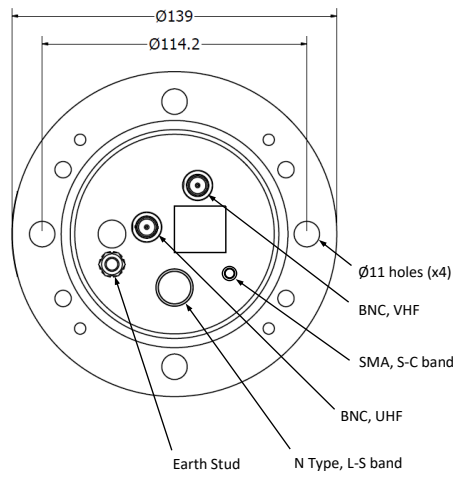


S-C band gain, dBi

# Nato 4-Hole Spring Base



**VHF306000QB**  
**(four connector)**



**VHF306000QB-2**  
**(two connector)**

