

### Features:

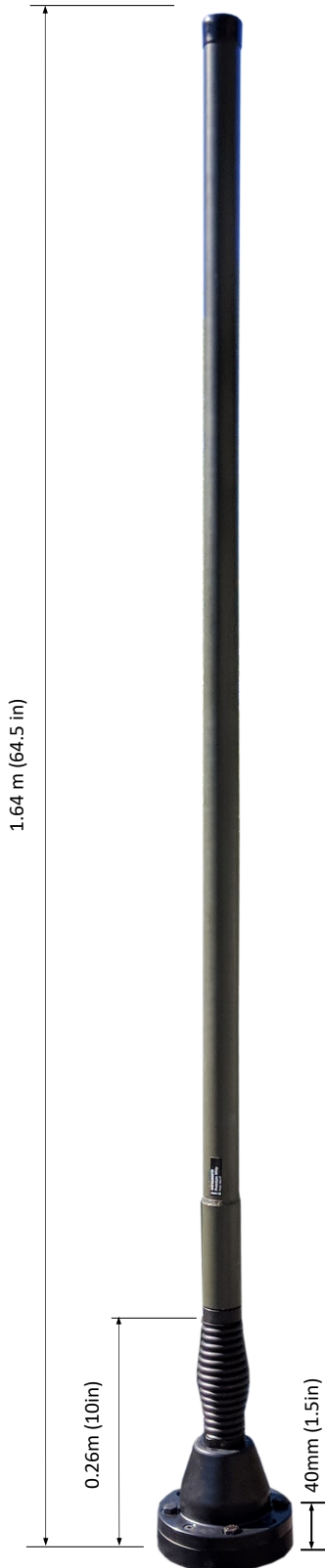
- Unique tri-band design (patented) with high isolation between ports
- 30-88MHz, 225-450MHz & 1200-2600MHz
- 3-ports VHF, UHF and L-S band with high isolation between bands
- Designed for operation on all military platforms
- Suitable for operation on shelters, mounted on masts or in other permanent installations.
- Rugged high quality antenna with a durable construction
- NATO flange base with spring.
- UHF dipole and L-S band antenna elements are located high up in the whip for maximum range
- VHF requires a ground plane
- Optional L1/L2 GPS installed in antenna base

### Electrical specifications:

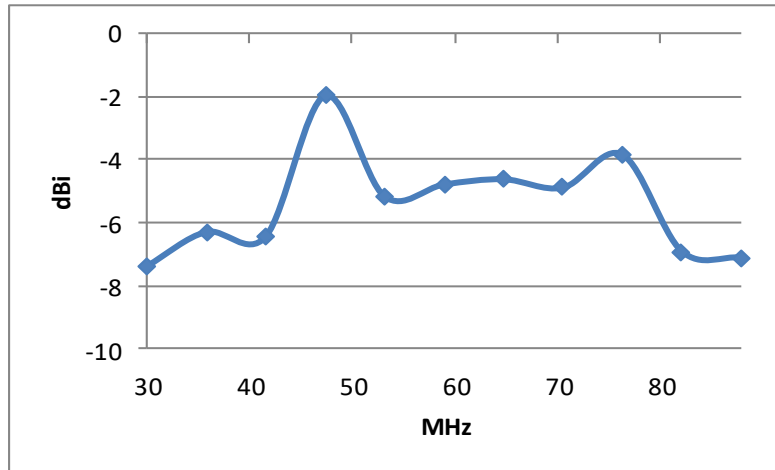
Frequency range	VHF: 30-88 MHz UHF: 225-450 MHz L-S band: 1200-2600 MHz GPS (option): L1 - 1575.42 ± 10 MHz L2 - 1227.60 ± 10 MHz
VSWR	VHF: < 3.5:1, UHF: < 3.0:1, L-S band: < 3.0:1
Port-to-port isolation	UHF - L-S band : >75 dB for UHF, >55 dB for L-S band UHF - VHF : >60 dB for VHF, >65 dB for UHF VHF - L-S band : >65 dB for VHF, >55 dB for L-S band
Nominal impedance	50 Ω
Power rating	VHF: 75 W, UHF: 75 W, L-S Band: 50 W
Gain	See graphs overleaf
Radiation pattern	Omnidirectional within ±2 dB
Polarization	Vertical
Connector	VHF: BNC female, UHF: BNC female, L-S band: N female GPS (option): SMA female

### Mechanical specifications:

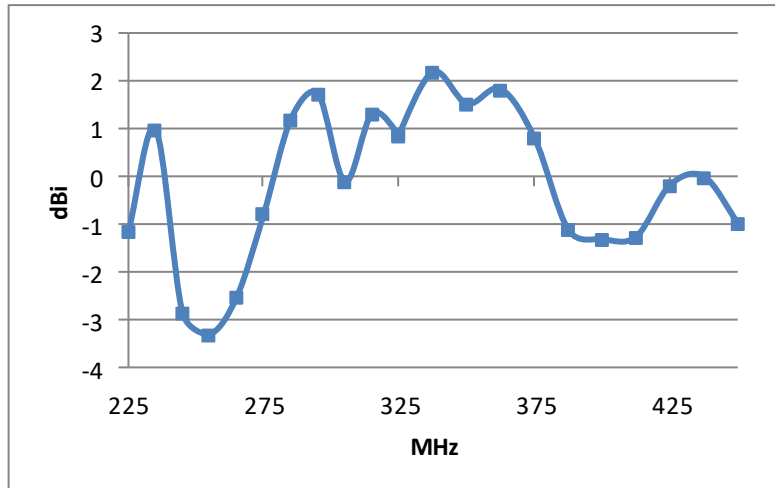
Design	VHF: End feed monopole. UHF: Dipole. L-S band dipole elements. Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, aluminum and stainless steel.
Length	1.64 m (64.5 in)
Weight	Whip: 1.2 kg (2.6 lbs) Base: 2.7 kg (5.9 lbs)
Wind rating	55 m/s (123 mph)
Finish	Polyurethane lacquer
Temperature range	-55°C to +71°C, -67°F to +160°F



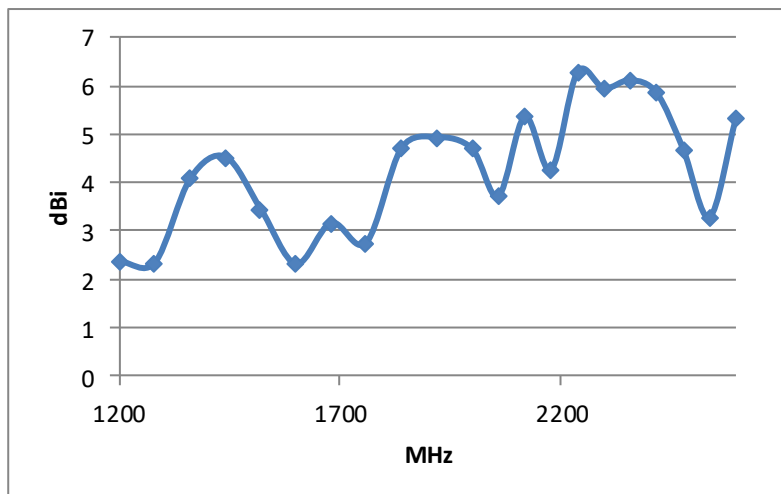
## Gain Curves:



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

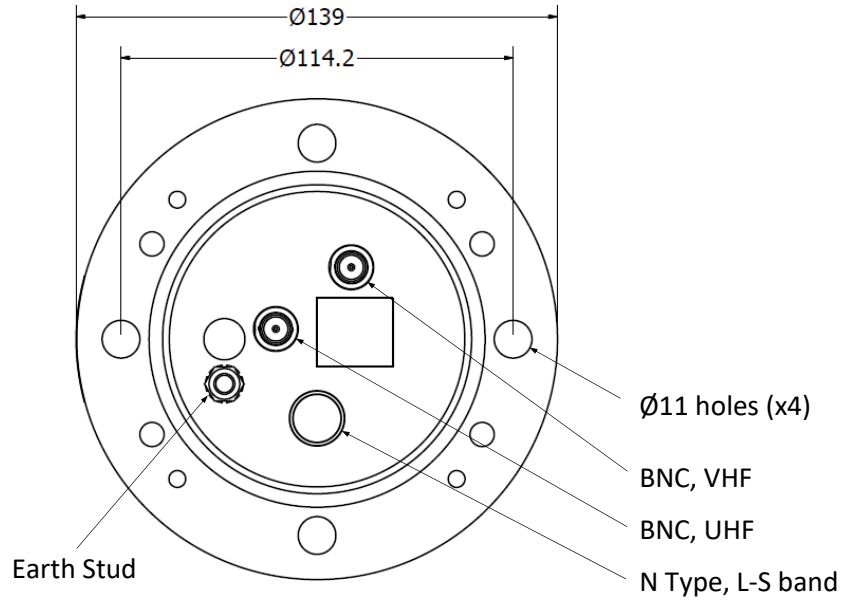
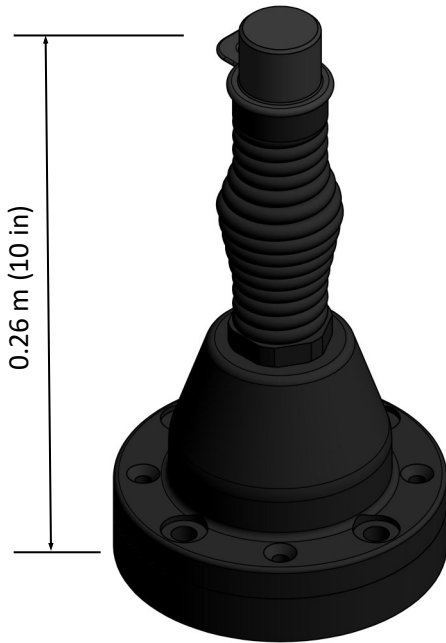


UHF gain, dBi

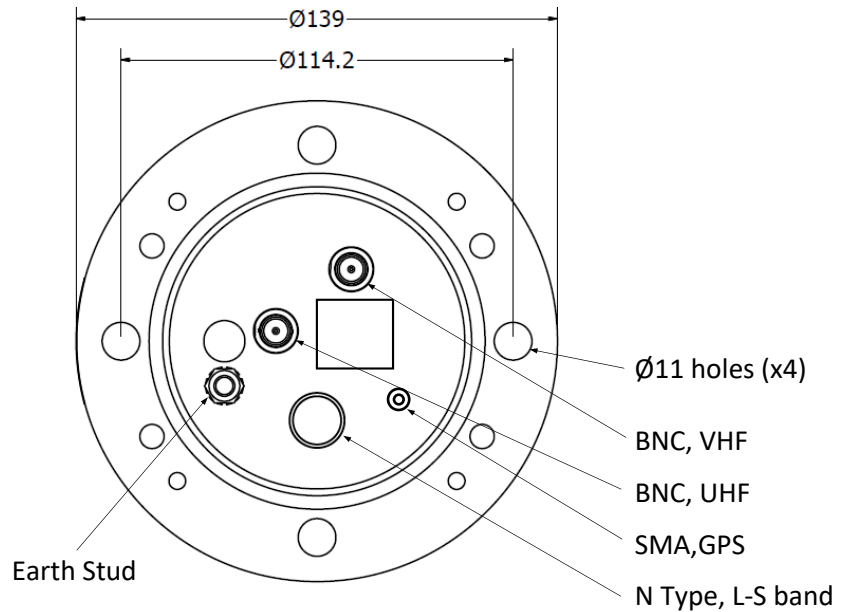
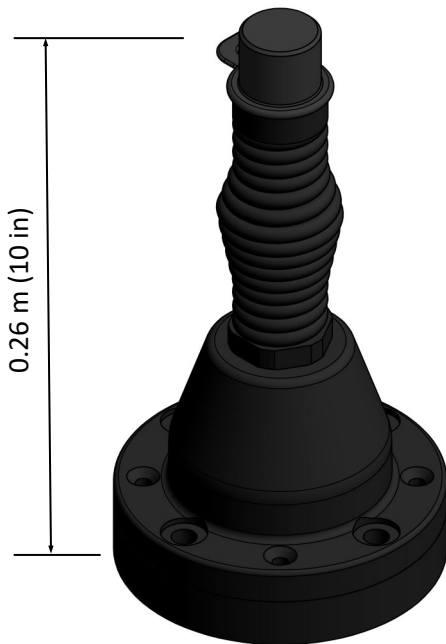


L-S band gain, dBi

## Nato 4-Hole Base



## Nato 4-Hole GPS Base (Option)



## GPS Electrical Specification

	L1 GPS	L2 GPS
Frequency Band	1575.42 ± 10 MHz	1227.60 ± 10 MHz
Power Supply	2.7-5.5 V @ <60mA, + centre	2.7-5.5 V @ <60mA, + centre
Amplifier Gain	25 dB, GPS	25 dB, GPS
Pre-amplifier	26.5 dB @ 5 V	26.5 dB @ 5 V
Noise Figure	2.5 dB	2.5 dB
Polarization	RHCP	RHCP