

Features:

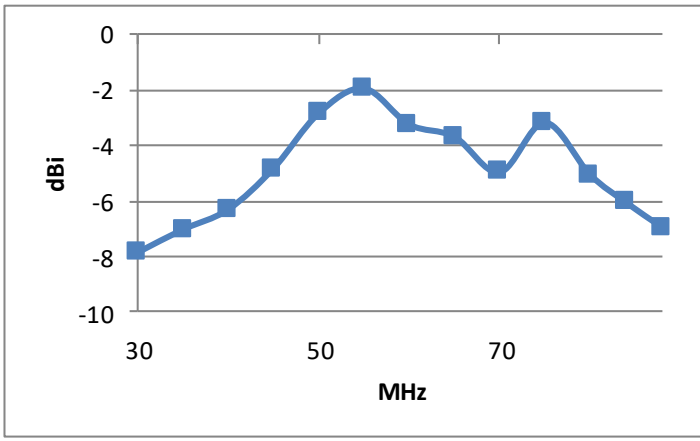
- Unique tri-band design (patent pending) with high isolation between ports
- 30-88MHz, 225-450MHz & 1200-2000MHz (also useable up to 2700MHz)
- 3-ports VHF, UHF and L-band with high isolation between bands
- Designed for operation on all military platforms
- Suitable for operation on shelters, mounted on masts or in other permanent installations.
- Rugged high quality antenna with a durable construction
- NATO flange base with spring.
- UHF dipole and L-band antenna elements are located high up in the whip for maximum range
- VHF requires a ground plane

Electrical specifications:

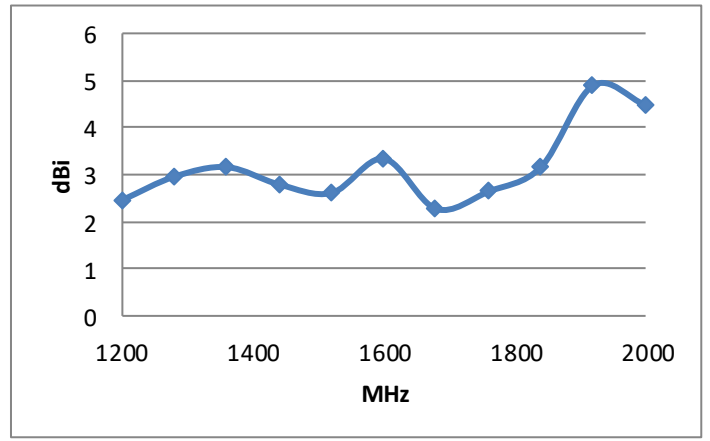
Frequency range	VHF: 30-88MHz UHF: 225-450MHz L-band: 1200-2700MHz
VSWR	VHF: < 3.5:1 UHF: < 3.0:1 L-band: < 3.0:1
Port-to-port isolation	UHF - L-band : >75dB for UHF, >55dB for L-band UHF - VHF : >60dB for VHF, >65dB for UHF VHF - L-band : >65dB for VHF, >55dB for L-band
Nominal impedance	50Ω
Power rating	VHF: 75W UHF: 75W L-Band: 50W
Gain	See graphs overleaf
Radiation pattern	See diagram overleaf, omnidirectional within ±2dB
Polarization	Vertical
Connector	VHF: BNC female UHF: TNC female L-band: N female

Mechanical specifications:

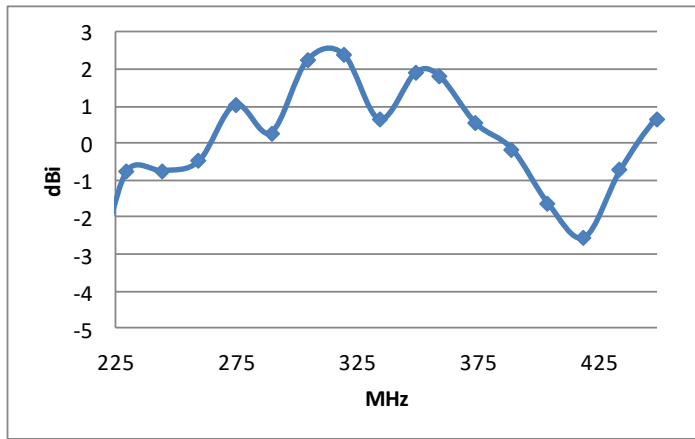
Design	VHF: End feed monopole. UHF: Dipole. L-band dipole elements. Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, aluminum and stainless steel.
Length	1.54m (61 in)
Weight	Whip: 1.15kg (2.5 lbs) Base: 2.65kg (5.8 lbs)
Wind rating	55m/s (123 mph)
Finish	Polyurethane lacquer
Temperature range	-55°C to +71°C, -67°F to +160°F



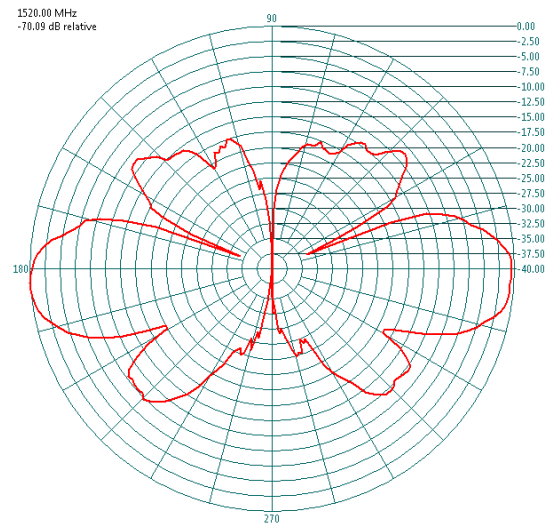
VHF gain, dB rel. 1/4 wave resonant whip in the center of 1.2 x 1.2m (4 x 4 ft) ground plane. Gain will improve significantly on a 3 x 3m (10ft x 10ft) groundplane



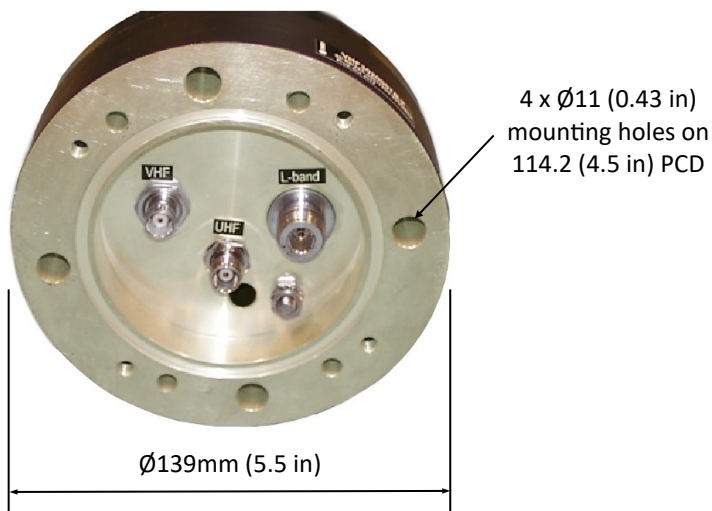
L-band gain, dBi



UHF gain, dBi



Typical L-band elevation radiation pattern



Base mounting and connector detail



CEF connection on top of the base