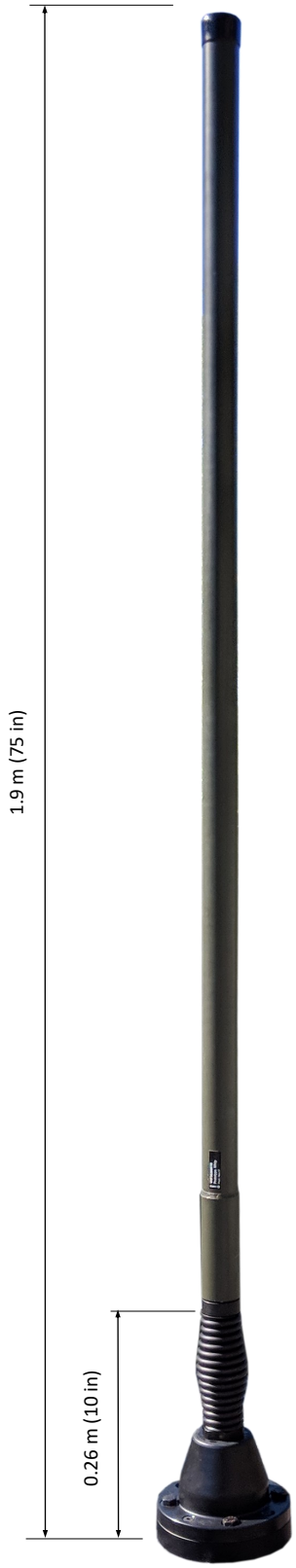
VHF302600TB-WB

Tri-Band VHF, UHF & L-Band Antenna



Features:

- Unique tri-band design (patented).
- 30-88MHz, 116-512MHz & 760-2600MHz.
- 3 connectors, VHF, UHF and L-band
- High isolation between ports.
- 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.
- UHF dipole and L-band antenna elements are located high up in the whip for maximum range. VHF requires a ground plane.

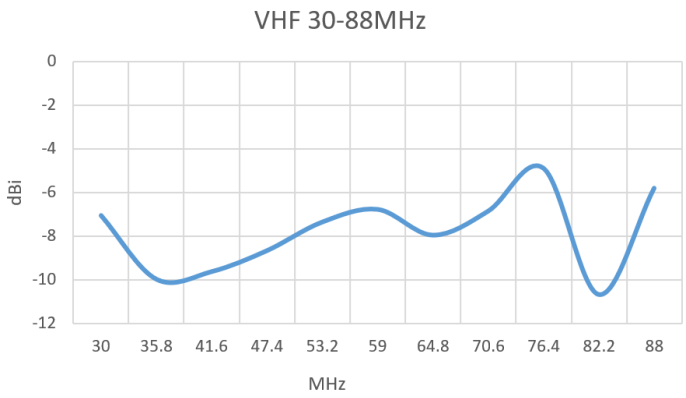
Electrical specifications:

Frequency range	VHF: 30-88MHz UHF: 116-512MHz L-band: 760-2600MHz
VSWR	< 3.5:1
Port-to-port isolation	> 35dB between bands
Nominal impedance	50Ω
Power rating	VHF: 50W, UHF: 50W, L-Band: 50W
Gain	See graphs overleaf
Radiation pattern	Omnidirectional within ±2dB
Polarization	Vertical
Connectors	VHF: BNC female, UHF: BNC female, L-band: N female

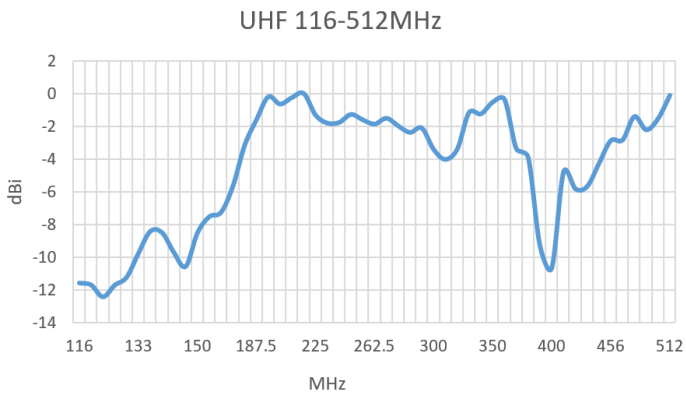
Mechanical specifications:

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	1.9m (75in)
Weight	Whip: 1.7kg (3.7lbs), Base: 2.6kg (5.7lbs)
Wind rating	55m/s (125mph)
Finish	Polyurethane lacquer
Temperature range	-55°C to +71°C, -67°F to +160°F

Gain Curves

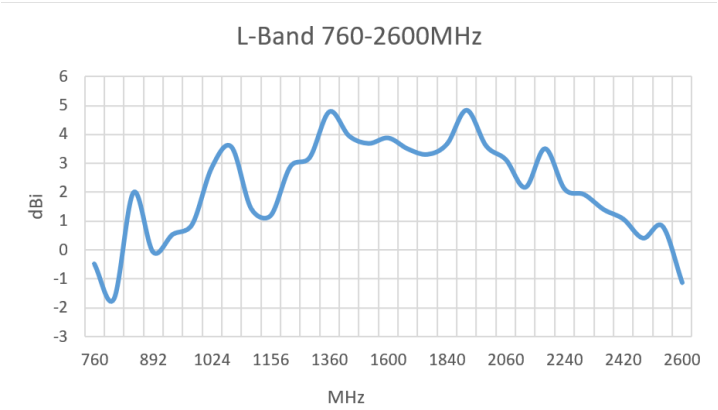


VHF gain, dBi



UHF gain, dBi

Center of 1.2 x 1.2m (4 x 4 ft) ground plane with 1m conductive legs.
Gain will improve significantly on a 3 x 3m (10ft x 10ft) ground plane



L-band gain, dBi

Nato 4-Hole Base