

Features:

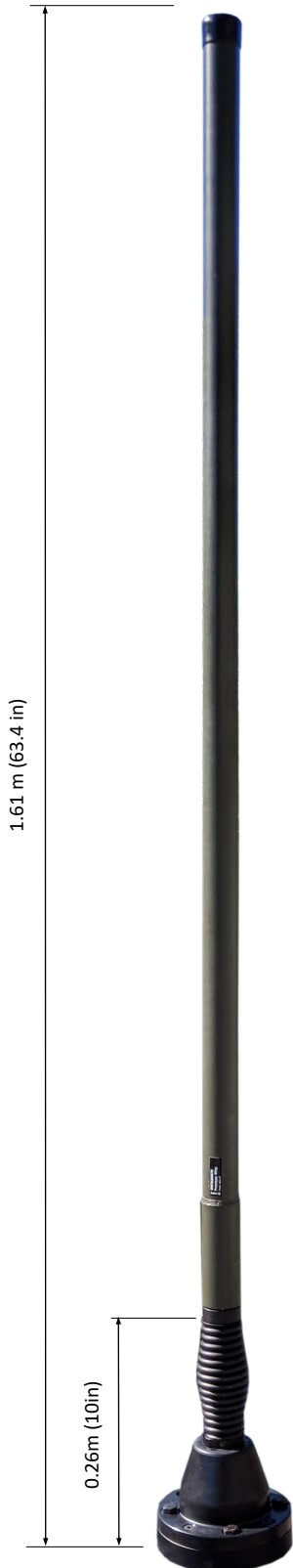
- Unique tri-band design (patented)
- 30-88MHz, 225-450MHz & 700-2700MHz
- Single RF port for VHF/UHF/L-S band
- Designed for operation on all vehicles including armored
- Suitable for operation on shelters, masts or in other permanent installations
- Rugged high quality antenna with a durable construction
- 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:

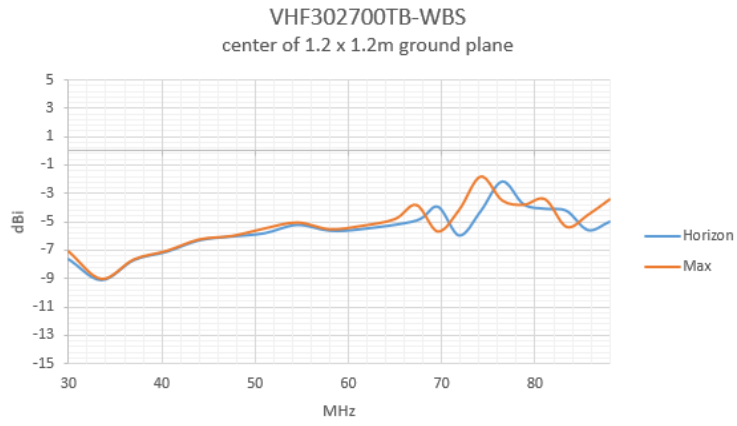
Frequency range	VHF: 30-88 MHz UHF: 225-450 MHz L-S band: 700-2700 MHz GPS (option): L1 - 1575.42 ± 10 MHz L2 - 1227.60 ± 10 MHz
VSWR	VHF: ≤ 3.5:1, UHF: ≤ 3.0:1, L-S band: ≤ 3.0:1
Nominal impedance	50 Ω
Power rating	VHF: 50 W, UHF: 50 W, L-S Band: 50 W
Gain	See graphs overleaf
Radiation pattern	Omnidirectional within ±2 dB
Polarization	Vertical
Connector	VHF/UHF/L-S band: N female GPS (option): SMA female

Mechanical specifications:

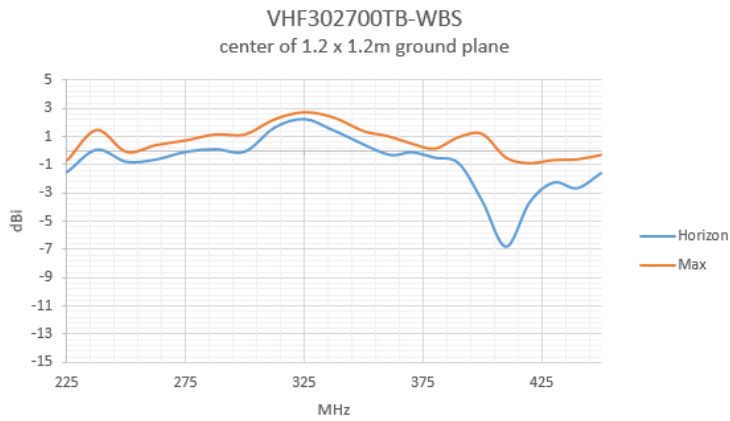
Design	VHF: End feed monopole. UHF: Dipole. L-S band: Dipole elements. Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, aluminum and stainless steel.
Length	1.61 m (63.4 in)
Weight	Whip: 1.2 kg (2.6 lbs) Base: 2.7 kg (5.9 lbs)
Wind rating	55 m/s (123 mph)
Finish	Polyurethane lacquer
Temperature range	-55°C to +71°C, -67°F to +160°F



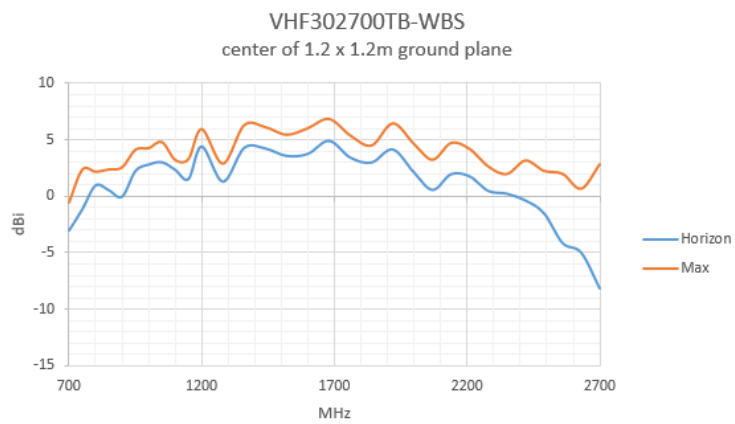
Gain Curves:



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

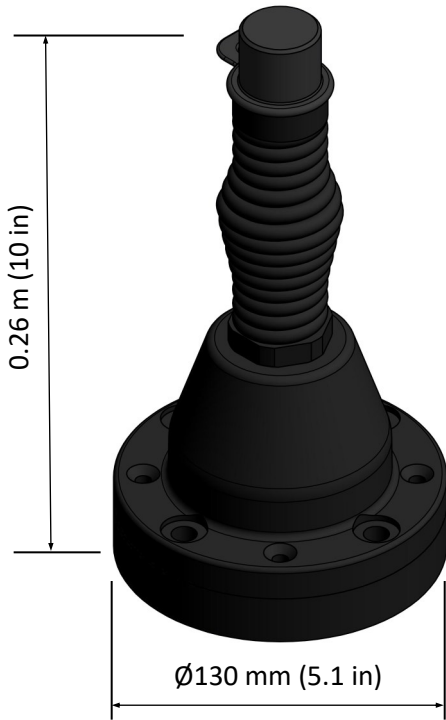


UHF gain, dBi

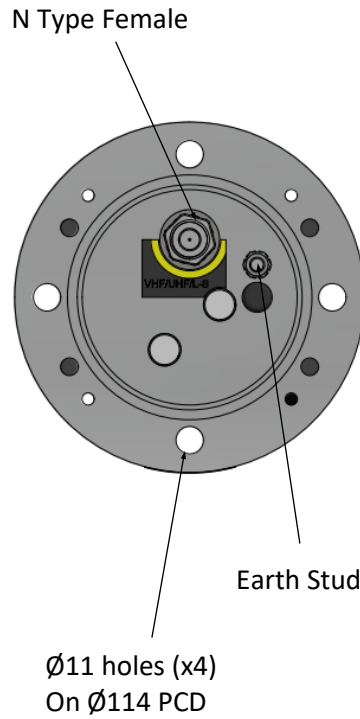


L-S band gain, dBi

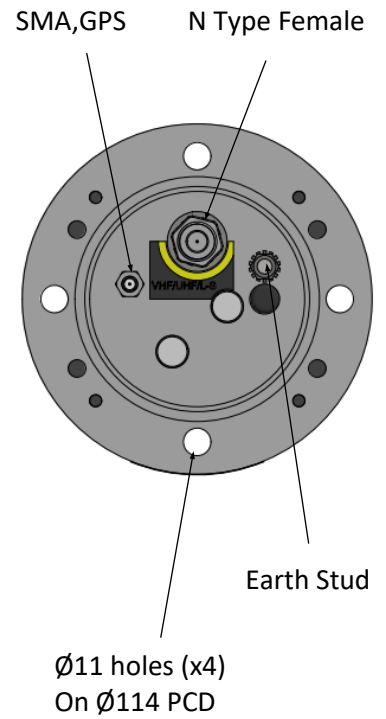
NATO 4-Hole Base



Standard Base



L1/L2 GPS Base



GPS Electrical Specification

	L1 GPS	L1/L2 GPS
Frequency Band	1575.42 ± 10 MHz	1227.60 ± 10 MHz 1575.42 ± 10 MHz
Supply Voltage	2.7-5.5 V	2.7-5.5 V
Pre-amplifier	25 dB @ 5 V	26.5 dB @ 5 V
Noise Figure	2.5 dB	2.5 dB
Supply Current	< 20 mA	< 42 mA
Polarization	RHCP	RHCP
Connector	SMA female	SMA female