

Application:

- Ultra broadband 1200-2700 MHz
- High gain
- No tuning required, high efficiency across the complete band
- Stacked dipole design, ground plane independent
- Designed for operation on all kinds of vehicles including armoured
- Suitable for operation on shelters and masts or in other permanent installations
- Rugged high quality antenna with a durable construction
- NATO flange base with spring (options available)

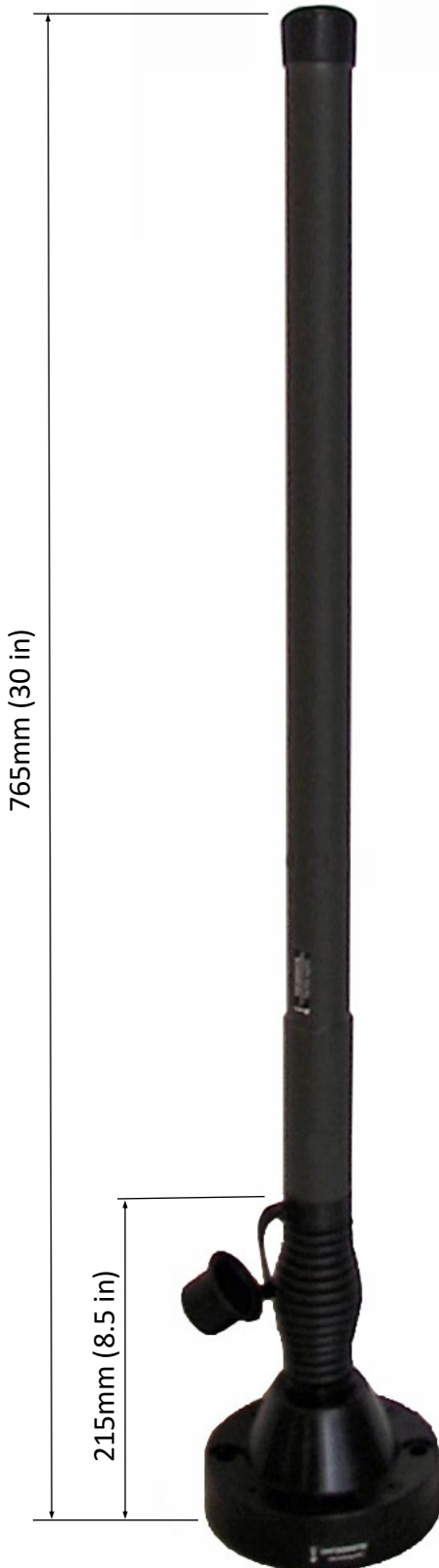
Electrical specifications:

Frequency range	1200-2700 MHz
VSWR	≤ 3.5:1
Nominal impedance	50 ohm
Power rating	100 W PEP
Gain	Average 5 dBi - see curve
Radiation pattern	Azimuth: Omnidirectional Vertical: See plots
Polarisation	Vertical
Connector	N female (options available)

Mechanical specifications:

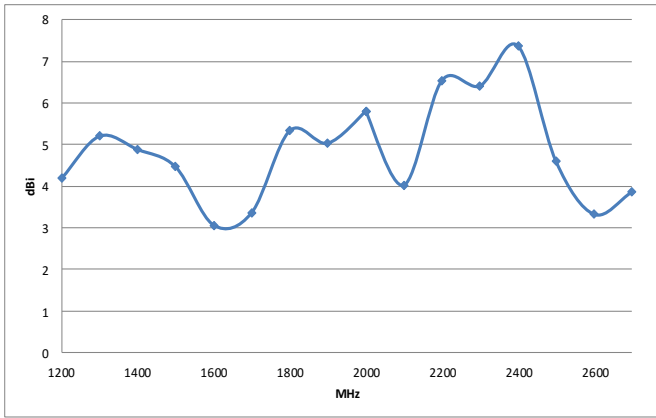
Design	Centre fed stacked dipoles. Radiating element completely enclosed in epoxy/ fiberglass laminate. Metal parts are brass, aluminum and stainless steel.
Length [#]	0.76 m (30 in)
Weight [#]	Whip: 1.1kg (2.5 lbs) Base: 2.2kg (4.8 lbs)
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, olive drab.
Temperature range	-55 °C, +71°C; -67 °F, +160 °F

[#] Dimensions and weights for standard 4-hole vehicle mount version

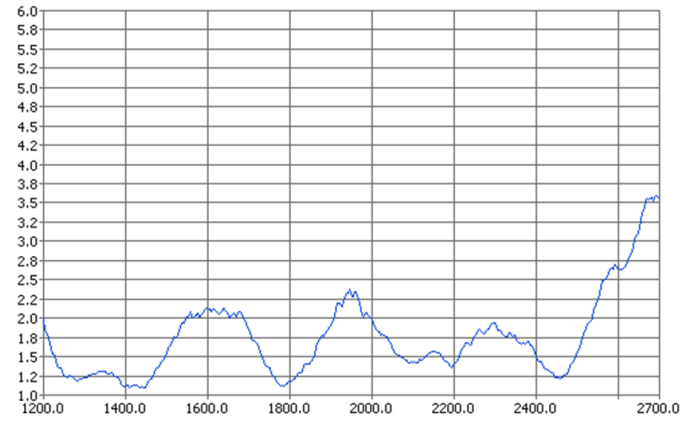


4-hole NATO spring base shown
Other base options available

Measurement results

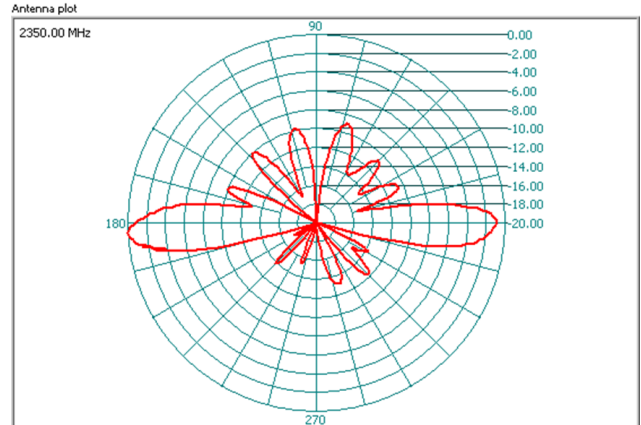
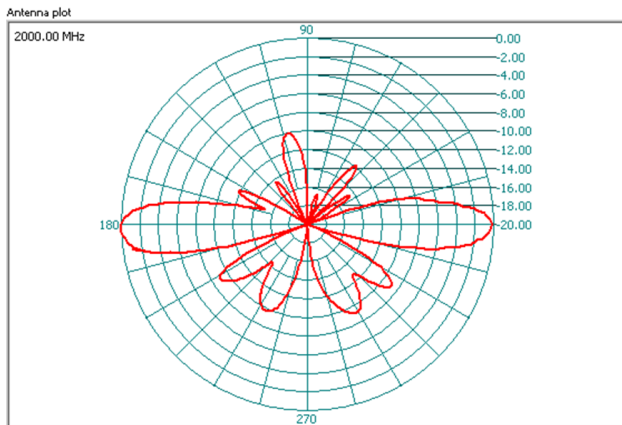
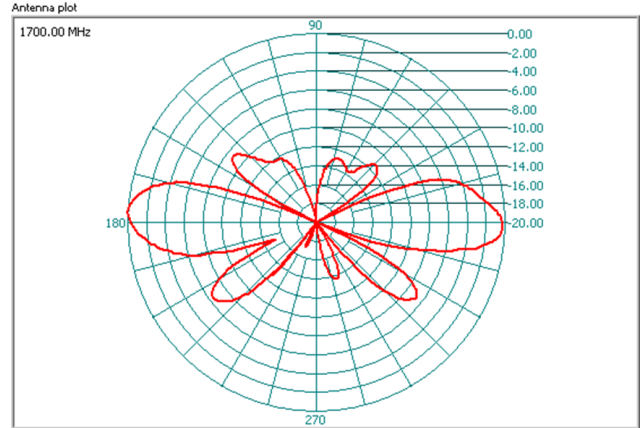
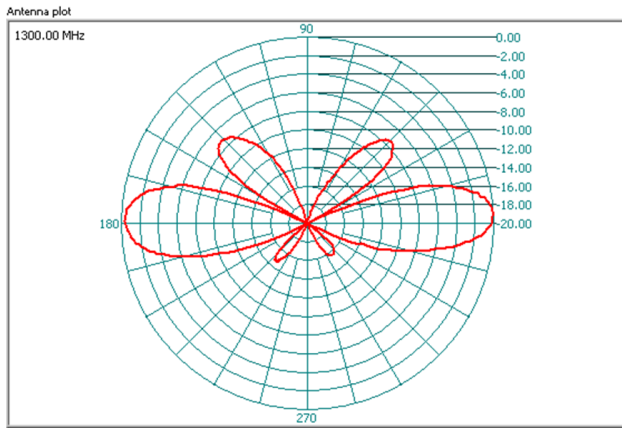


Gain



VSWR

Radiation Patterns

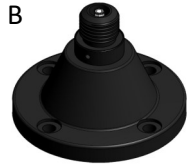


Antenna Base Options

Bases are available to suit most installations including vehicle, mast and shelter mounting. Many are available with optional L1 & L1/L2 GPS. All bases are supplied with a protective top cap. See below for mounting options:-



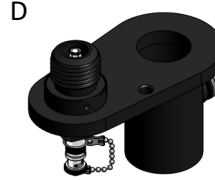
A
NATO 4-hole Spring
4 x M10 or 3/8" Bolts
on 114mm PCD
Base diameter 140mm
Base height 215mm



B
NATO 4-hole Rigid
4 x M10 or 3/8" Bolts
on 114mm PCD
Base diameter 140mm
Base height 100mm



C
General Purpose
Bulkhead Adaptor
Mounting hole
diameter 22mm



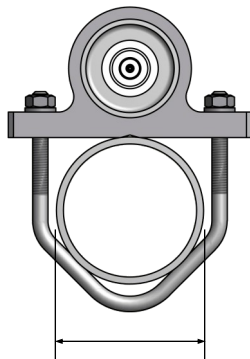
D
Mast Mount Bracket
40mm Socket
50mm Socket
Customer Specified



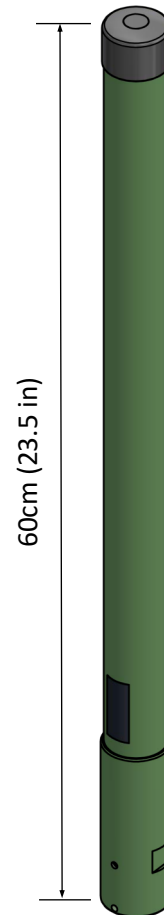
E
Mast Mount Bracket
24mm Spigot
40mm Spigot
50mm Spigot
Customer Specified



A permanent mast mount version is also available.
(Part No. UHF1227M)
Supplied with U-bolts to fit pole size \varnothing 25-65 mm



Mounting pole diameter
25-65 mm (1-2.5 in)



Mast mount version
supplied with mast
mounting bracket
(\varnothing 24mm spigot
version shown)

