

UHF1227VM Series

UHF vehicle whip, dipole, 0.76 m, 1200–2700 MHz

Tactical Antennas: Vehicle Mount



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)

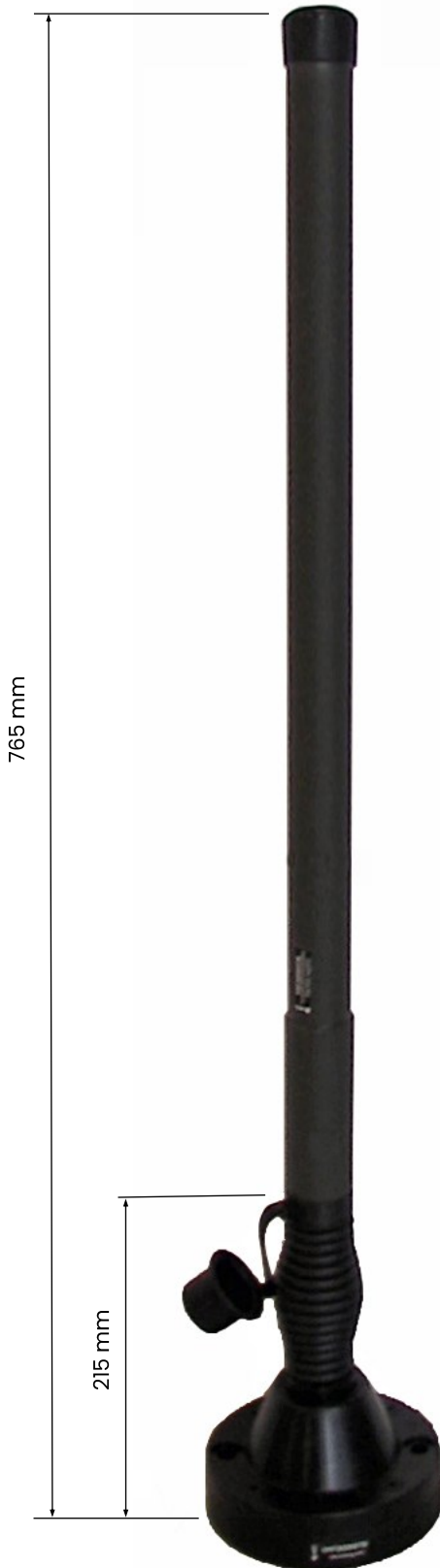
Electrical Specifications

Frequency Range	1200–2700 MHz
VSWR	≤ 3.5:1
Nominal Impedance	50 Ω
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

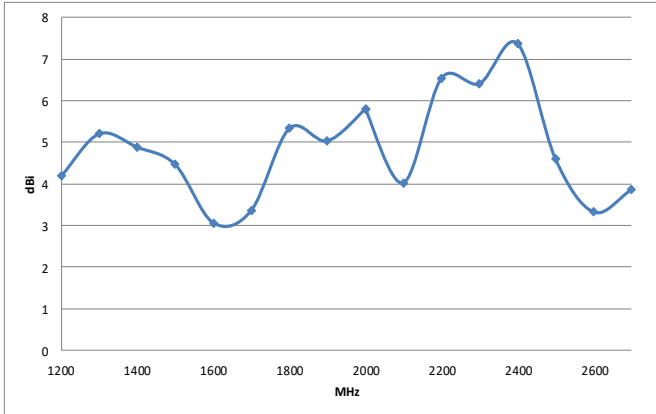
Design	Centre fed stacked dipoles. Radiating element completely enclosed in epoxy/fibreglass laminate. Metal parts are brass, aluminium and stainless steel.
Length[#]	0.76 m
Weight[#]	Whip: 1.1 kg Base: 2.2 kg
Wind Rating	55 m/s = 201 km/h
Finish	Polyurethane lacquer, olive drab
Temperature Range	- 55°C to + 71°C

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

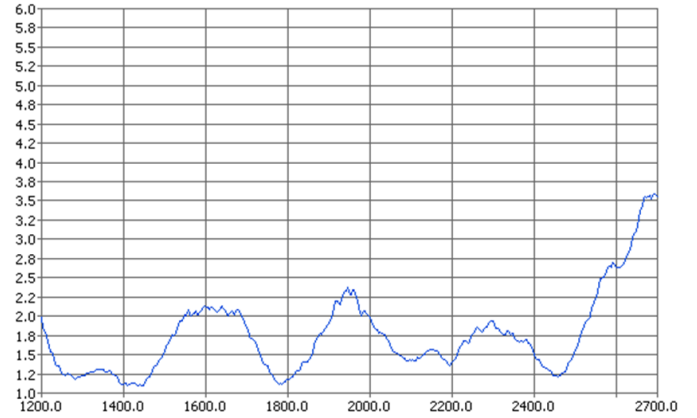


4-hole NATO spring base shown
Other base options available

Measurement Results

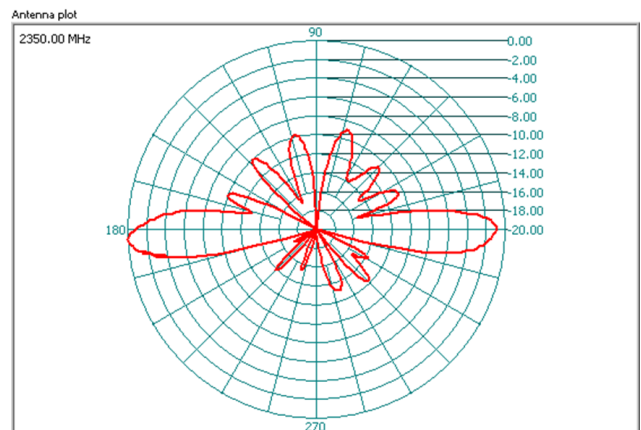
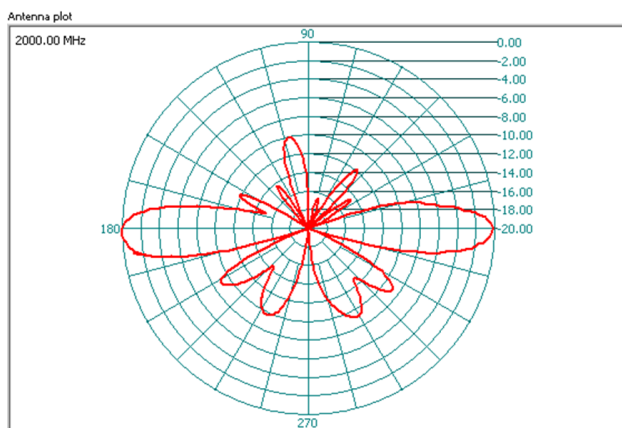
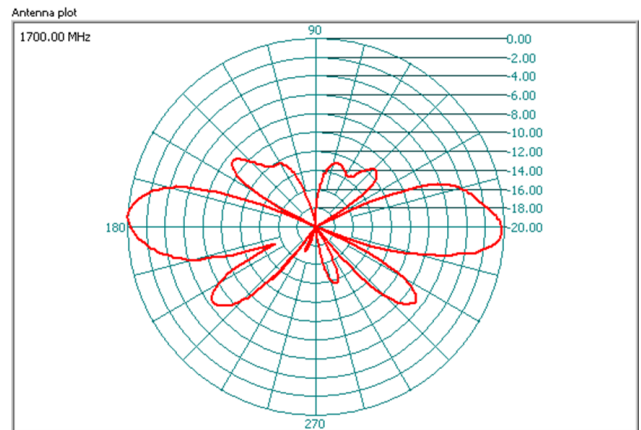
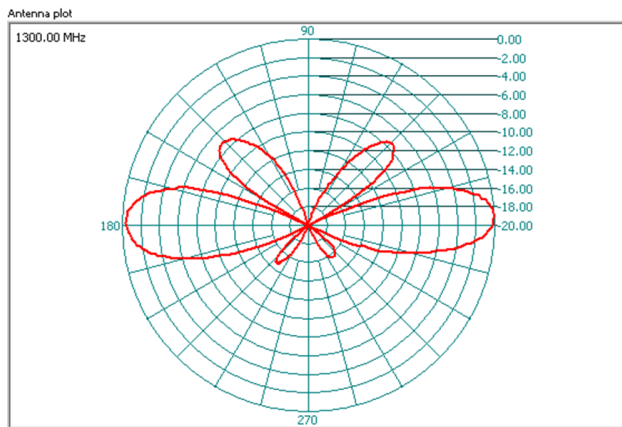


Gain



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 and 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 114 mm PCD
Base diameter 140 mm
Base height 215 mm

B



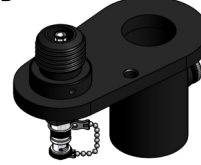
NATO 4-hole Rigid
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm
Base height 100 mm

C



General Purpose
Bulkhead Adaptor
Mounting hole
diameter 22 mm

D



Mast Mount Bracket
40 mm Socket
50 mm Socket
Customer Specified

E

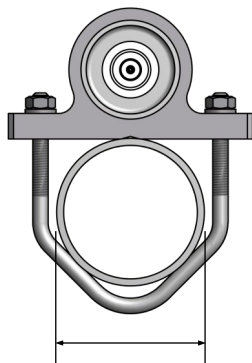


Mast Mount Bracket
24 mm Spigot
40 mm Spigot
50 mm Spigot
Customer Specified

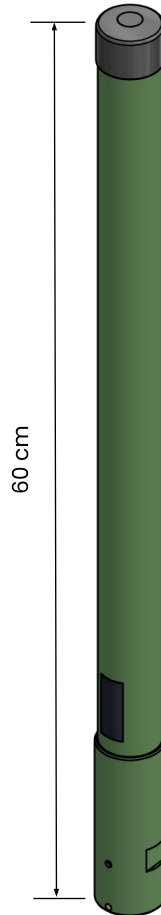


62 cm

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

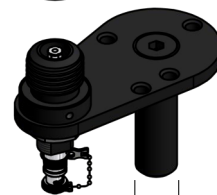


Mounting pole diameter
25-65 mm



60 cm

Mast mount version
supplied with mast
mounting bracket
(Ø24 mm spigot
version shown)



Ø24 mm

September 2018

All specifications are subject to change without notice
The information contained herein is for reference only and does not constitute a warranty of performance

Partnered Supplier



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