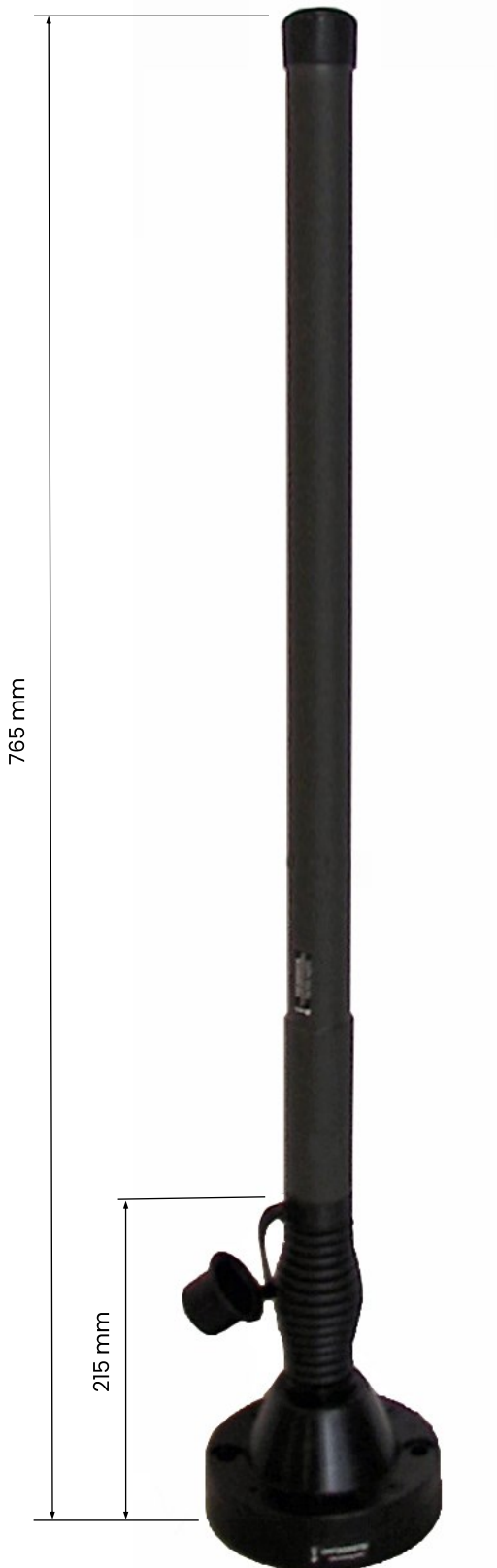


## UHF1227VM Series

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

Naval Antennas and Systems: Shipboard



4-hole NATO spring base shown  
Other base options available

### 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

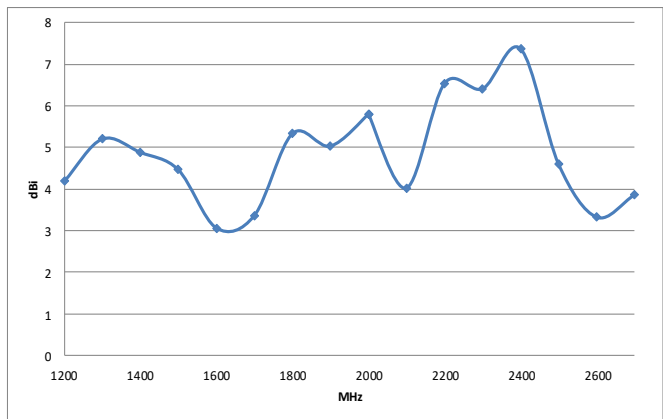
<b>Frequency Range</b>	1200–2700 MHz
<b>VSWR</b>	$\leq 3.5:1$
<b>Nominal Impedance</b>	50 $\Omega$
<b>Power Rating</b>	100 W PEP
<b>Gain</b>	Average 5 dBi – see curve
<b>Radiation Pattern</b>	Azimuth: Omnidirectional Vertical: See plots
<b>Polarisation</b>	Vertical
<b>Connector</b>	N female (options available)

### Mechanical Specifications

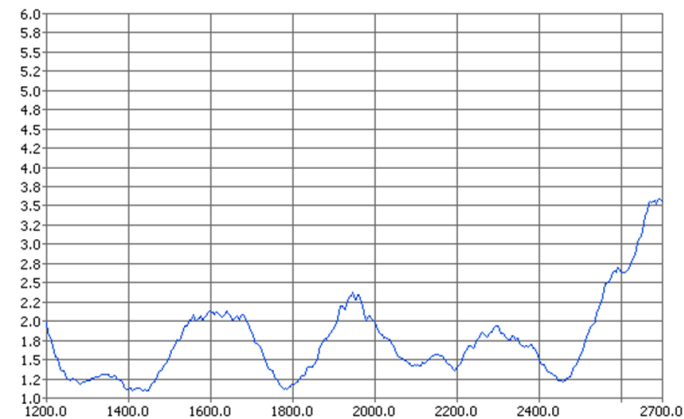
<b>Design</b>	Centre fed stacked dipoles. Radiating element completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, aluminum and stainless steel.
<b>Length<sup>#</sup></b>	0.76 m
<b>Weight<sup>#</sup></b>	Whip: 1.1 kg Base: 2.2 kg
<b>Wind Rating</b>	55 m/s = 201 km/h
<b>Finish</b>	Polyurethane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

<sup>#</sup> Dimensions and weights for standard 4-hole vehicle mount version

Measurement Results

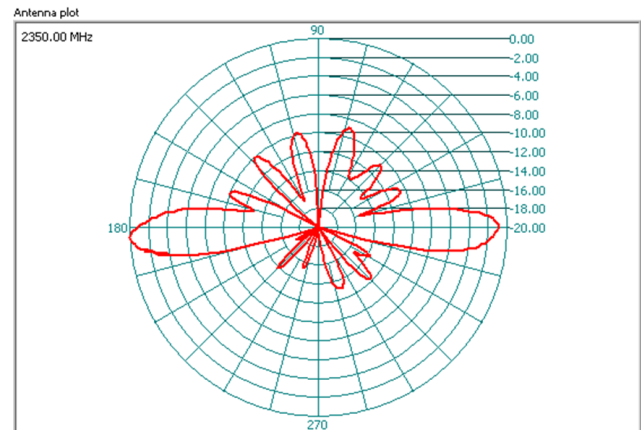
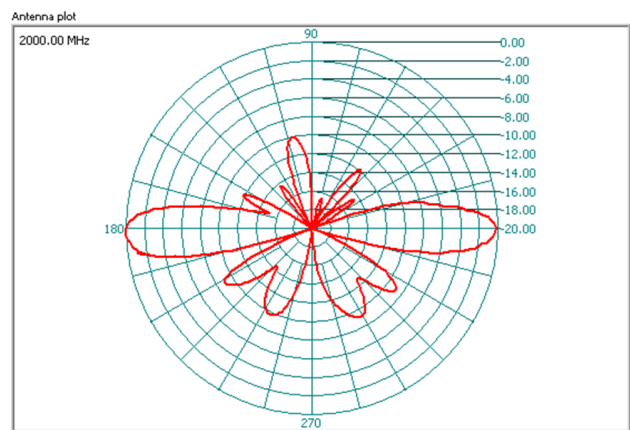
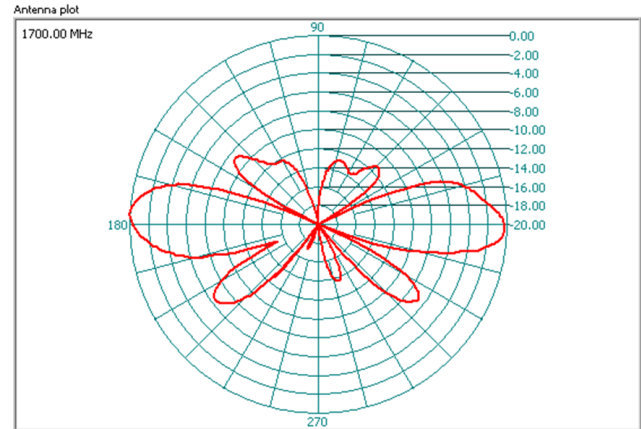
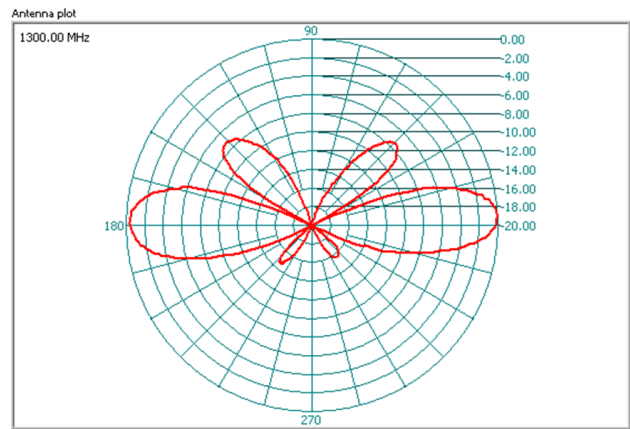


Gain



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:-



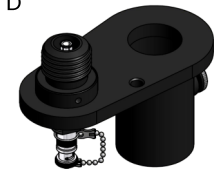
NATO 4-hole Spring  
4 x M10 or 3/8" Bolts  
on 114 mm PCD  
Base diameter 140 mm  
Base height 215 mm



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



General Purpose  
Bulkhead Adaptor  
Mounting hole  
diameter 22 mm



Mast Mount Bracket  
40 mm Socket  
50 mm Socket  
Customer Specified

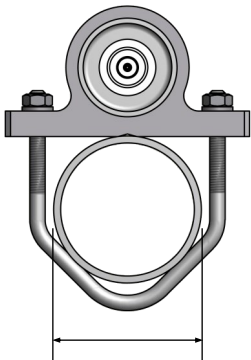


Mast Mount Bracket  
24 mm Spigot  
40 mm Spigot  
50 mm Spigot  
Customer Specified

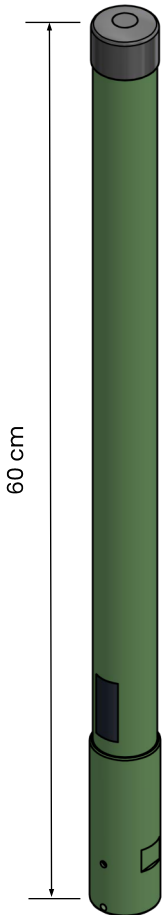


62 cm

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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