Features:
- 450-2700 MHz (covers multiple LTE bands)
- Single connector
- Designed for operation on all military & civilian platforms
- Designed for operation on shelters, mounted on masts or in other permanent installations
- Rugged high quality antenna with a durable construction
- NATO flange base with spring. Base options available including vehicle/shelter, mast mount and GPS

Electrical specifications:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>450-2700 MHz, Optimised for 450-470, 698-960, 1710-2690 MHz</td>
</tr>
<tr>
<td>VSWR</td>
<td>&lt;3.5:1 Typical, 4:1 max</td>
</tr>
<tr>
<td>Nominal impedance</td>
<td>50Ω</td>
</tr>
<tr>
<td>Power rating</td>
<td>20W CW</td>
</tr>
<tr>
<td>Gain</td>
<td>See curve overleaf</td>
</tr>
<tr>
<td>Radiation pattern</td>
<td>Omnidirectional</td>
</tr>
<tr>
<td>Polarization</td>
<td>Vertical</td>
</tr>
<tr>
<td>Connector</td>
<td>N Type Female (others on request)</td>
</tr>
</tbody>
</table>

Mechanical specifications:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, aluminum and stainless steel.</td>
</tr>
<tr>
<td>Length(\text{a})</td>
<td>74cm (29 in), with spring base</td>
</tr>
</tbody>
</table>
| Weight\(\text{a}\)   | Whip: 0.8kg (1.7 lbs)  
                       | Base: 1.8kg (4.0 lbs)                                                  |
| Wind rating          | 55m/s (123 mph)                                                        |
| Finish               | Polyurethane lacquer                                                   |
| Temperature range     | -55°C to +71°C, -67°F to +160°F                                         |

\(\text{a}\) Dimensions and weights for standard 4-hole vehicle mounted version

Specifications subject to change without notice. The information in this document does not form part of any quotation or contract.
Plots

Gain

Freq [MHz]

Gain [dBi]

VS SWR (Typical)

Freq [MHz]

VS SWR

Base Options

A
NATO 4-hole
4 x M10 or 3/8" Bolts
on 114mm (4.5in) PCD
Base diameter 140mm (5.5in)

B
NATO 4-hole
Rigid (no spring)
4 x M10 or 3/8" Bolts
on 114mm (4.5in) PCD
Base diameter 140mm (5.5in)

C
NATO
50mm Thread
Base diameter 95mm (3.74in)

D
Mast Mount Bracket
Rigid (no spring)
24mm (0.95in) Spigot
50mm (1.97in) Spigot
Customer Specified

E
Tube Clamp Adaptor
Clamp area diameter 38mm
Clamp area length 80mm
N-type female bottom connector
Antenna variants

A permanent mast mount version is also available.
(Part No. UHF427M)
N type female connector
Supplied with U-bolts to fit pole size Ø 25-65 mm

Typical mast mounted version supplied with mast mounting bracket (Ø24mm spigot version shown)

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