

## AV30-2

VHF/UHF log periodic antenna, dipole, 1.7 m, 220-450 MHz

**Tactical Antennas: Tactical and Base Station**



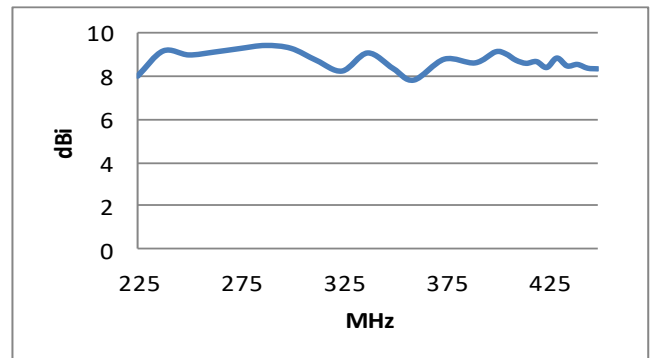
### Application

AV30 is designed for mobile military radio link applications. The antenna is of very rugged construction with feeder and connector carefully protected. This makes it well suited for field use.

### Electrical Specifications

<b>Frequency Range</b>	220 - 450 MHz
<b>VSWR</b>	< 2:1
<b>Nominal Impedance</b>	50 $\Omega$
<b>Power Rating</b>	200 W CW
<b>Gain</b>	See gain curve
<b>Front/Back Ratio</b>	> 20 db (90% of the band)
<b>Polarisation</b>	Adjustable linear
<b>Connector</b>	N type female

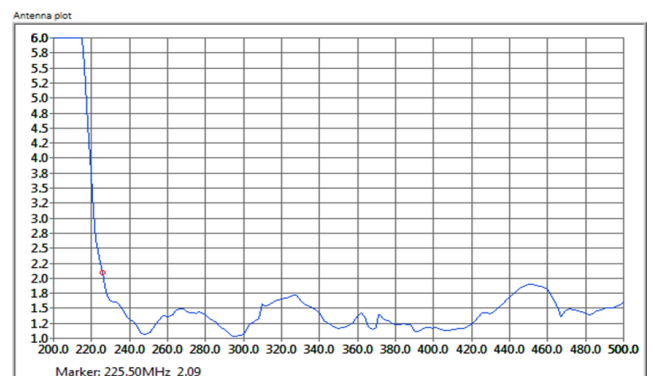
### Gain (dBi)



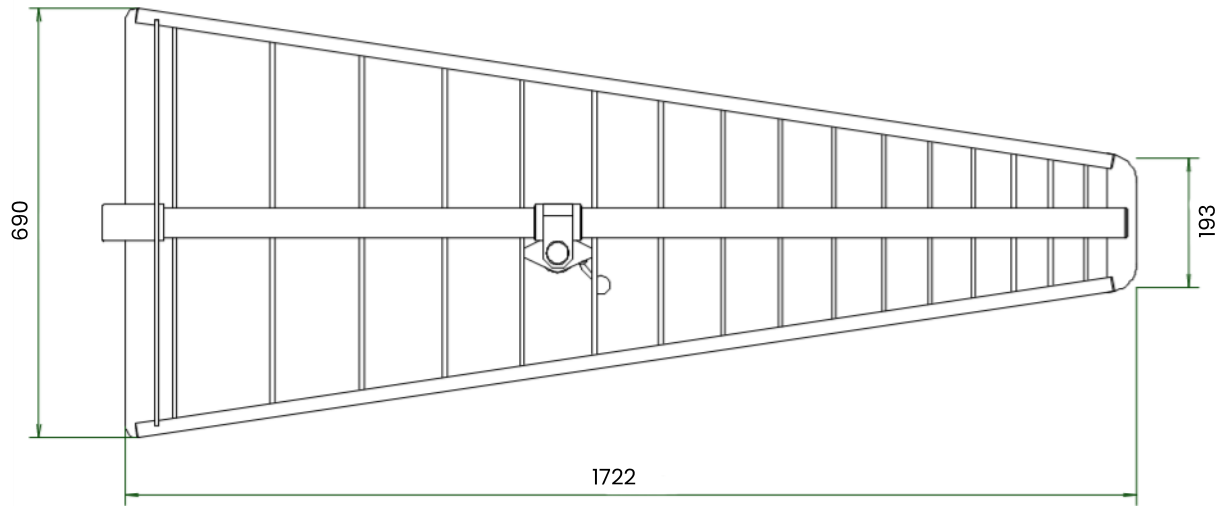
### Mechanical Specifications

<b>Design</b>	Radiating elements and feeder in brass. Feeder are enclosed in epoxy/fibreglass laminate and filled with P.U. foam. The elements are protected with a fibreglass frame.
<b>Weight</b>	6.5 kg
<b>Wind Loading 30 m/s</b>	Horizontal: 5 kg Vertical: 9 kg
<b>Finish</b>	Polyurethane lacquer, olive drab
<b>Temperature Range</b>	- 55°C to + 55°C

### VSWR



## Outline Drawing

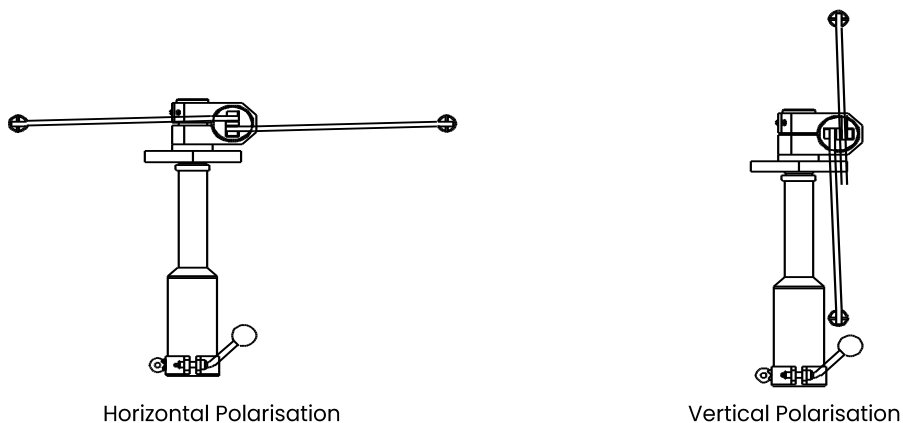


## Mounting

The antenna is supplied with a 50 mm mounting socket for mounting onto a 50 mm mast spigot. The polarisation is set by the position of the spigot (see below). Customer specified mountings are also available on request.



AV30-2 shown mounted in horizontally polarised position



Horizontal Polarisation

Vertical Polarisation

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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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