

BROADBAND PROPAGATION

Antenna Design & Supply

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MP-225-2G Wide-Band Man-pack Antenna

The MP-225-2G is a wide-band antenna covering the full spectrum from 225 MHz to 2000 MHz. No external tuning or adjustment is required. The antenna is ground plane independent and contains no power absorbing networks, ensuring maximum radiation efficiency across its bandwidth.

The antenna is designed for use with modern, wideband, military man-pack radios and is supplied with a flexible gooseneck mount. It is both light-weight and extremely robust in its design and highly suitable for the most demanding of tactical applications, across the full range of global environmental conditions.

A GRP radome encloses the radiating elements and the gooseneck mount is fitted as standard with an "N" type connector but a range of other connector fittings can be supplied, according to the customer's requirements.

***** Wide-Band Frequency Range *****

***** No Tuning or Adjustment Required *****

***** Light and Rugged Construction *****

Specifications

Frequency range:	225 to 2000 MHz
Input Impedance:	50 Ohms
Power Rating:	25 watts CW
VSWR:	3.0 Typical
Gain:	-5dBi to +4dBi over band
Polarisation:	Vertical
Radiation pattern:	Azimuth 360 deg, (Omni Directional)
Input Connector:	"N" type (other connectors available) Customer to specify type and gender

Colour:	Matt Black overall
Diameter:	30 mm
Length:	650mm
Weight:	0.48 kg
Operating Temp.	-40°C to +70°C

(Whip can be supplied with other antenna to base attachment formats or threads, and other base styles)



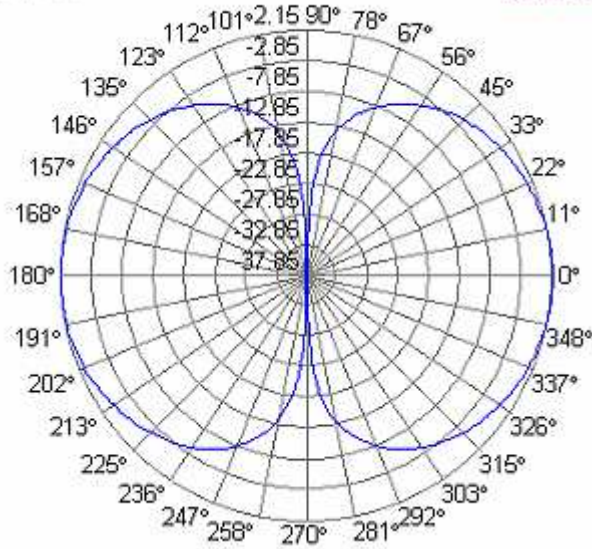
Flexible Gooseneck Mount



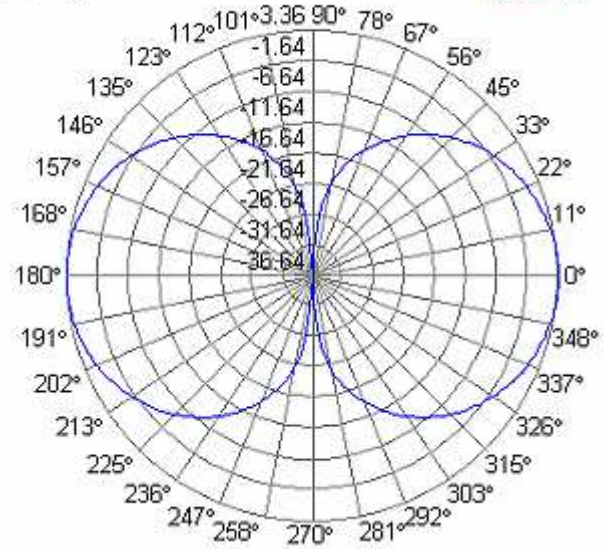
MP-225-2G Wide-Band Antenna
Vertical (E Plane) Radiation patterns

Note: Gain is in dBi

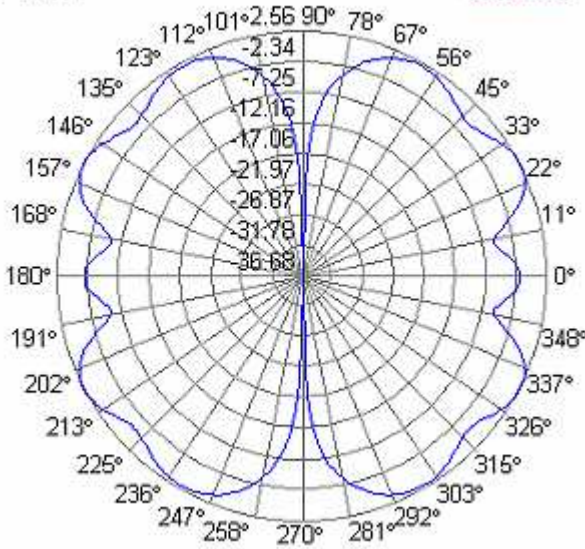
Gain [dB] $\phi=180$



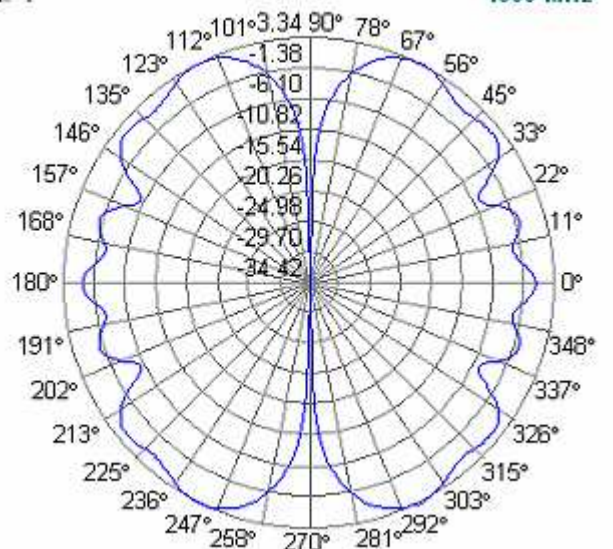
Gain [dB] $\phi=180$



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