

BROADBAND PROPAGATION

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BPV-30-512 VHF/UHF Vehicle Whip

The BPV-30-512 is a ruggedly constructed whip antenna which covers the frequency range of 30 MHz to 512 MHz without the need for any external tuning or adjustments.

Construction of the whip features a specialised element material offering more efficient transfer of radiated power and increased impact survival and durability compared with hollow glass fibre whips. (Survives better than 70 impacts at midpoint at speed of 40 Km/h)

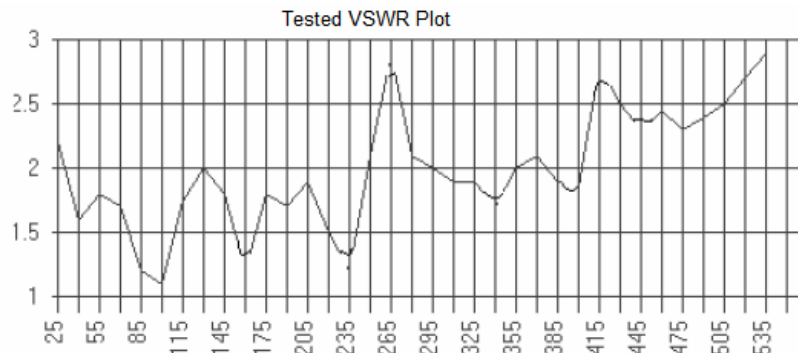
Supplied in two sections, the whip features a unique snap-lock joiner for deployment to full length.

The antenna has an extremely rugged base suitable for all types of mobile platforms. The base has provision for UK/ NATO 6, or 3 hole pattern and USA 4 hole pattern mounting

Specifications

Frequency range:	30 to 512 MHz
Input Impedance:	50 Ohms
Power Rating:	50 watts CW
VSWR:	< 3.5:1 over band
Gain:	-1dBi to +4dBi over band
Polarisation:	Vertical
Radiation pattern:	Azimuth 360 deg, (Omni Directional)
Input Connector:	"N" type female (other connectors including BNC available)
Colour:	Matt Black overall
Diameter:	12mm
Length:	2.7m
Weight:	3.0 kg
Operating Temp.	-40°C to +70°C
Impact Rating:	Better than 70 impacts midpoint at speed of 40 km/h
Mounting:	Standard antenna to base mount is via ½" Whitworth stud.

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



Antenna mounted on 3 x 3m conductive platform



Antenna Base
NATO/ USA 4 hole
pattern mounting

