

BROADBAND PROPAGATION

Antenna Design & Supply

1-3 Adelaide Rd. Echunga
PO Box 529 Echunga
South Australia. 5153

Phone: (08) 8388 8132
Fax: (08) 8388 8536
Intl.Phone: (618) 8388 8132
Intl.Fax: (618) 8388 8536

ABN: 84 232 273 647

E-mail: sales@broadbandpropagation.com
Web: www.broadbandpropagation.com

BPV-110-180 VHF Vehicle Whip

The BPV-110-180 is a ruggedly constructed whip antenna which covers the frequency range of 110 MHz to 180 MHz without the need for any external tuning or adjustments.

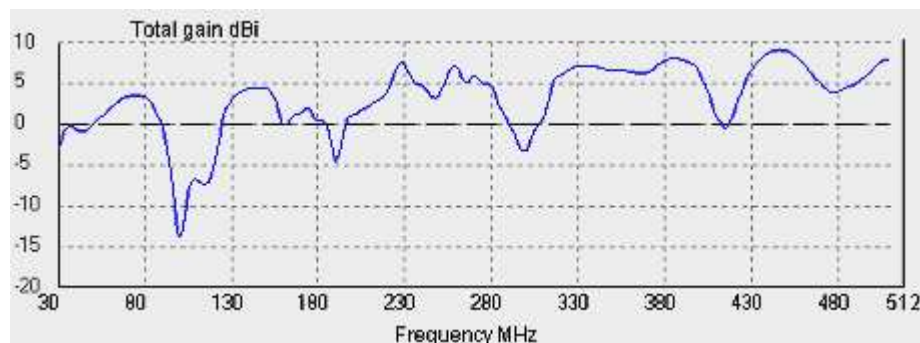
Construction of the whip features a highly specialised element material offering more efficient transfer of radiated power and increased impact survival and durability compared with hollow glass fibre whips. (Survives better than 70 impacts at midpoint at speed of 40 Km/h)

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:	110 to 180 MHz
Input Impedance:	50 Ohms
Power Rating:	50 watts CW
VSWR:	< 3.0:1 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:	0.8m
Weight:	2.5 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)



Gain Curve of Antenna mounted on 3 x 3m conductive platform



Antenna Base
NATO/ USA 4 hole
pattern mounting