BPB-30-108 ELEVATED WIDEBAND VHF ANTENNA

The BPB-30-108 is a rugged broadband antenna designed for high performance in the VHF band, 30-108 MHz. The antenna is used for tactical applications using portable masts or for base-station mounting on towers or other fixed platforms.

It is best suited for applications where increased range is needed to communicate with backpack and vehicle mounted radios from a fixed base location.

Power rating is 100 watts continuous, and gain over the band is comparable to a tuned ¼ wave whip antenna. Tuning is automatic and all tuning elements are incorporated within the antenna.

The antenna elements break down for shipping and assemble together easily on-site. A range of mounting options can be provided to suit the customers existing pole or mast equipment.

The complete antenna packs into a sturdy cylindrical carrying case measuring only 170 x 7.5 cms

**Specifications**

- **Frequency range:** 30 to 108 MHz (no tuner needed)
- **Power Rating:** 100 watts CW
- **Radiation pattern:** Omnidirectional (horizontal)
- **Gain:** Average 0dBi across the band
- **VSWR:** Better than 3.5:1 across the band
- **Polarisation:** Vertical
- **Input Impedance:** 50 Ohms
- **Input connector:** N type Female
- **Element Diameter:** 12.5mm
- **Overall height:** 2.5m from top of mast (top element) with 3 x 2.3m counterpoise elements extending below
- **Temperature Rating:** -40 to +70 deg. C operational
- **Wind Rating:** 170 Kph
- **Weight:** 2.9 Kg (without carrying case)
- **Mounting:** Mounts to most Masts, Towers or Poles, or to customer specification.