



VGPA 30-108 Antenna Operation Guidelines

Valcom's VGPA 30-108 is a ground plane antenna designed to operate in the VHF frequency band from 30 MHz to 108 MHz. The antenna is specifically designed to be installed at the top of a VIXAM-40 (40 foot) telescoping mast. The antenna's internal loading coil and adjustable vertical element provide vertically polarized, omni-directional radiation in the azimuth plane with an available power handling capability of 50 Watts and a nominal VSWR of 3:1. By adjusting the four telescoping sections of the element, efficient, low-power transmissions can be achieved at any particular frequency within the band.

The Following chart describes the recommended band selections for this antenna.

| Band | Sections Extended | Frequency Range (MHz) |
|------|-------------------|-----------------------|
| 1 | A, B & C | 30 - 36 |
| 2 | B & C | 34 - 44 |
| 3 | B | 39 - 96 |
| 4 | None | 44 - 108 |

Note: For optimal performance, the three ground radials should be fully assembled (full 6.5ft)

