

# Colinear VHF Base Station Antenna

A collinear antenna is much the preferred type of antenna to connect to a VHF base station. The advantages include:

- DC grounded at the base to reduce the risk of lightning damage to equipment.
- Simple U-bolt mounting onto a pole, without large offset loads from a dipole type.
- Even omni-directional propagation.
- Increased height compared to a folded dipole on the same mast.
- More elegant and not as conspicuous as a folded dipole installation.



## Specifications:

Model No:	X30V
Frequency Range:	Tunable over 118-137MHz
Impedance:	50 ohm
VSWR:	Less than 2:1 over an 8MHz bandwidth
Gain:	3.5 dBi

Polarization: Vertical  
Maximum Power : 150W  
Lighting Protection: Direct Ground  
Dimension: 1300 mm long  
Supplied mounting tube Ø38mm  
Radiating Element I: Cu  
Radome Material: Fiberglass  
Connector: N-Type female

We supply prefabricated coaxial cables with each antenna. Please provide the length required.  
All you have to do is provide and install a properly earthed 50mm alloy or galvanized steel pole.