



# ANTENNA EXPERTS

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Model AG3-150

136 - 174 MHz.

3 dBi. Gain

## GROUND PLANE ANTENNA

**Design Features:** AG3-150 Ground Plane Antenna is a 5/8 wavelength, rugged, all weather model, uses high class chrome plated Brass and does not require any field tuning. The ground plane antenna when packed comes with ground radials removed from the antenna body for ease of packing and transportation.

**Constructions:** The all Brass ground plane antenna prevents formation of "Signal Cells", thereby eliminating inter-modulation within the antenna. AG3-150 ground plane antenna is specially designed for Omni directional requirements, broadband for base station. Antenna termination and feed cable lie enclosed inside the mounting pipe for complete weather protection.

### **ELECTRICAL SPECIFICATIONS**

Frequency Range	136 - 174 MHz.
Gain	3 dBi.
Bandwidth	6 MHz.
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-directional
Beamwidth -3dB.	70 Degrees (Vertical)
VSWR	1:1.5
RF Power Handling Capacity	250 Watts
Input Termination	N-Female

### **MECHANICAL SPECIFICATIONS**

Material	All Brass
Mounting Hardware	Stainless Steel
Wind Rating	200 Km/Hr.
Whip Elements	Stainless Steel
Whip Dia	5 mm
Coil Housing	Nylon
Overall Length	1.3 Meters
Shipping Length	1.4 Meters
Maximum Mount Pipe Diameter	2 Inches (51mm)
Gross Weight	2.5 Kgs.

### **ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature	(-) 30 to +70 Degrees Celsius
Storage Temperature	(-) 40 to +80 Degrees Celsius
Humidity	0 to 95% RH