



# ANTENNA EXPERTS

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Model AG-50

30 - 66 MHz.

Unity Gain

## GROUND PLANE ANTENNA

**Design Features:** AG-50 Ground Plane Antenna is rugged all weather model, uses high class Aluminum 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 aluminum ground plane antenna prevents formation of signal cells, thereby eliminating intermodulation within the antenna. AG-50 ground plane antenna is specially designed for omni-directional requirements for base station application. Antenna termination and feed cable lie enclosed inside the mounting pipe for complete weather protection.

<b>ELECTRICAL SPECIFICATIONS</b>	
Frequency Range	30 - 66 MHz.
Gain	Unity
Bandwidth	4%
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-directional
Beamwidth -3dB.	78 Degrees (Vertical)
VSWR	1:1.5
RF Power Handling Capacity	250 Watts
Input Termination	N-Female
Lightning Protection	Optional

<b>MECHANICAL SPECIFICATIONS</b>	
Material	Aluminum
Mounting Hardware	Stainless Steel
Canopy	Nylon
Wind Rating	185 Km/Hr.
Overall Length	Depands on frequency
Shipping Length	Depands on frequency
Support Pipe Material	Powder Coated MS
Radiating Material	Aluminum
Maximum Mount Pipe Diameter	51 mm (2 Inches)
Gross Weight	5 Kgs.

<b>ENVIRONMENTAL SPECIFICATIONS</b>	
Operating Temperature	(-) 30 to +70 Degrees Celsius
Storage Temperature	(-) 40 to +80 Degrees Celsius
Humidity	0 to 95% RH