



ANTENNA EXPERTS

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Model AG-450

406 - 512 MHz.

Unity Gain

GROUND PLANE ANTENNA

Design Features: AG-450 Ground Plane Antenna is 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 intermodulation with in the antenna. AG-450 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	406 - 512 MHz.
Gain	Unity
Bandwidth	20 MHz.
Input Impedance	50 Ohms.
Radiation Pattern	Omni Directional
Beamwidth -3dB.	72 Degrees (Vertical)
VSWR	1.5 : 1
RF Power Handling Capacity	500 Watts.
Input Termination	N-Female

MECHANICAL SPECIFICATIONS

Material	All Brass
Mounting Hardware	Stainless Steel
Canopy	Nylon
Weight	1.5 Kg.
Wind Rating	210 Km/Hr.
Shipping Length	0.5 Meter
Support Pipe Material	Powder Coated MS
Radiating Material	Brass
Maximum Mount Pipe Diameter	52 mm (2 Inches)

ENVIRONMENTAL SPECIFICATIONS

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