



ANTENNA EXPERTS

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Model AG-450

406 – 512 MHz.

Unity Gain

GROUND PLANE ANTENNA – INSTALLATION MANUAL

NOTICE:

Installation, maintenance or dismantling of the antenna system requires qualified and experienced personnel. Antenna Experts antenna Installation instructions have been prepared and are meant for skilled personnel only.

Antenna Experts disclaims any liability or responsibility as a result of improper or unsafe installation practices.

MATERIALS:

Following materials are used for the fabrication of Antennas and its accessories.

Radiating Elements:	Brass Nickel Chrome Finish
Ground Radial Elements:	Brass Nickel Chrome Finish
Ground Base:	Brass Nickel Chrome Finish
Mounting Pipe:	Powder Coated MS.
Fasteners:	All Stainless Steel.
Connector:	Silver Plated Brass body with Gold plated pin.
Insulator:	Nylon.

PACKING LIST:

<u>Sl. No.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
1.	Ground Plane Body complete with Radiator.	1 Each.
2.	Ground plane Radials.	4 Nos.
3.	Mounting Pipe.	1 Each.
4.	Mounting clamps complete with all accessories.	2 Nos.
5.	Installation Manual.	1 Each.
6.	Test Report.	1 Each.

INSTALLATION INSTRUCTIONS:

1. Unpack the Ground Plane Antenna from the packing box.
2. Connect the four ground radials to the ground plane body.
3. Insert the mounting pipe into the coaxial cable, taking care that the threaded portion of the mounting pipe should face up-word.
4. Connect the N-Male connector of the coaxial cable to the N-female termination of ground plane antenna.
5. Assemble the mounting pipe to the Ground Plane Body, by using external threads on the body and internal threads on the mounting pipe.
6. Install the ground plane antenna on the top of the mast by using the two supplied mounting clamps and tighten all nuts and bolts.
7. Secure the flexible coaxial cable with cable ties.
8. Take VSWR reading by using through-line RF Power meter. The VSWR should never increase 1:1.5.
9. Keep the record of VSWR measurements for future reference.
10. Tighten all nuts and bolts.