



# ANTENNA EXPERTS

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Model SMD-450

330 – 512 MHz.

3dBd. Gain

## SIDE MOUNT DIPOLE – 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.

Support Boom:	6063T6 Aluminum.
Radiating Dipole:	6063T6 Aluminum.
Mounting Hardware:	All stainless steel.
Fasteners:	All stainless steel.
Connector:	Silver plated brass body & Gold plated pin.
Sealing:	Epoxy Polymer.

### PACKING LIST

<u>Sl. No.</u>	<u>ITEM/DESCRIPTION</u>	<u>QUANTITY</u>
1.	Antenna Exposed Dipole Complete with Mounting Clamps to Mount the Antenna on side of the mast/pipe.	1 Each.
2.	Installation Manual.	1 Each.
3.	Test Report.	1 Each.

### INSTALLATION INSTRUCTION:

1. Unpack the Dipole antenna from the packing box
2. The antenna is supplied in completely assembled condition except the antenna vertical support mast/pipe to hold the dipole boom for vertical mounting/polarization with connecting cable and N-Female connector.
3. Install the Dipole Antenna on the side of the antenna support pipe ( not supplied ), by using two “U” type mounting clamp, supplied with the antenna.
4. Adjust the height of Dipole on the antenna support pipe so that it is minimum 4 Inches below the upper top of the antenna support pipe.
5. Connect the antenna feeder cable to the N-Female connector of the Dipole antenna and secure it with cable ties.
6. Seal the connector against moisture ingress with a sealing tape.
7. Take VSWR reading by using through-line RF Power meter. The VSWR should never increase 1:1.5.
8. Keep the record of SWR measurements for future reference.
9. Tighten all nuts and bolts.