



ANTENNA EXPERTS

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Model AS-500-4000 500 – 4000 MHz. 3 dBi Gain

INSTALLATION MANUAL – CAVITY BACKED SPIRAL ANTENNA

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 Strips.
Reflector Cavity:	Aluminum.
Ground Base:	Aluminum.
Mounting Hardware:	Stainless Steel.
Fasteners:	All Stainless Steel.
Connector:	Silver Plated Brass body with Gold plated pin.
Insulator:	Nylon.
Housing Window.	Nylon.

PACKING LIST:

<u>Sl. No.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
1.	Spiral Antenna complete in assembled condition.	1 Each.
2.	Mounting clamps complete with all accessories.	1 Set.
3.	Installation Manual.	1 Each.
4.	Test Report.	1 Each.

INSTALLATION INSTRUCTIONS:

1. Unpack the Cavity Backed Spiral Antenna from the packing box.
2. Install the spiral antenna directly on the window of equipment under analyze taking care that the NYLON window should face to-words the maximum reception or transmission.
3. The spiral antenna can be mounted on 25 to 52 mm OD diameters vertical round pole with the supplied mounting hardware taking care that the NYLON window should face to-words the maximum reception or transmission.
4. Connect the N-Male connector of the coaxial cable to the N-female termination of Spiral Antenna.
5. Align the spiral antenna in desired direction to obtain the maximum signal strength and tighten all nuts and bolts of spiral antenna.
6. Take VSWR reading by using through-line RF Power meter. The VSWR should not increase 1:3.
7. Keep the record of VSWR measurements for future reference.
8. Tighten all nuts and bolts.