ANTENNA EXPERTS

Model AH-1800	1700 – 1900 MHz.	12 dBic. Gain

LHCP/RHCP HELICAL ANTENNA - INSTALLATION MANUAL

NOTICE:

Installation, maintenance or dismounting 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 Materials:	Copper
Reflector:	6063T6 Aluminum
Mounting Plate:	6063T6 Aluminum
Fasteners:	All Stainless Steel.
Connector:	Silver Plated Brass body with Gold plated pin.
Insulator:	Teflon.
Housing:	Fiberglass Radome.

PACKING LIST:

Sl. No.	DESCRIPTION	QUANTITY
1.	Helical antenna complete in assembled condition.	1 Each.
2.	Mounting kit complete with all accessories.	1 Each.
3.	Installation Manual.	1 Each.
4.	Test Report.	1 Each.

INSTALLATION INSTRUCTIONS:

1. Unpack the Helical antenna from the packing box.
2. Mounting clamp is supplied complete in assembled condition.
3. The mounting hardware of helical antenna is designed to mount the antenna on 32 mm to 52 mm OD pipe.
4. Install the Helical antenna on round pipe by using "U" type bolt, supplied with the antenna.
5. Connect the antenna feeder cable to the N-female termination of Helical antenna.
6. Dress the antenna feeder cable over the mounting pipe and secure it with cable ties.
7. Carefully align the antenna in desired direction to obtain maximum signal strength by rotating the antenna left/right for Azimuth rotation and up/down for Elevation rotation.
8. Seal the connector against moisture ingress with a sealing tape.
9. Take VSWR reading by using through-line RF Power meter. The VSWR should never exceed 1:1.5.
10. Keep the record of VSWR measurements for future reference.
11. Tighten all nuts and bolts.