HF ANTENNAS

Power Rated at 250 Watts P.E.P.

These HF Antennas are designed to operate over the phone portion of the HF bands.

Typical 2:1 VSWR Bandwidth is:

75 Meter:	36 KHz.	15 Meter:	200 KHz.
40 Meter:	60 KHz.	12 Meter:	300 KHz.
30 Meter:	100 KHz.	10 Meter:	500 KHz.
20 Meter:	150 KHz.	6 Meter:	1000 KHz.
17 Meter:	175 KHz.		

TUNING INSTRUCTIONS:

Insert the whip into the lower section ferrule about four inches (as shown at right) and tighten set screw. Assemble with fiberglass lower section (as shown at left). Install a VSWR meter at the transceiver and apply 10 to 25 watts of power. Adjust the VSWR meter and output frequency for lowest VSWR reading, indicating resonance. If resonant frequency is higher than desired, loosen set screw and extend top whip until desired resonant frequency is found. If resonant frequency is too low, loosen set screw and adjust whip further into lower section. For best results, adjustments should be made in small increments.

***CAUTION:** If required, cut off the bottom of the whip to ensure it does not extend down into the coil. Failure to observe this precaution will cause extreme heat damage and void any warranty.*

VSWR at resonance should be 1.5:1 or less when properly matched. When tuning is complete, tighten set screws securely.

NOTE: Bandwidth and VSWR will vary due to mounting location. If your installation has a VSWR over 1.5:1 at resonance, or you need to operate over a greater bandwidth, a tuner may be required.