

Royal Communications International, Inc.

CWA-125 HF/SSB Antenna

SMALL FOOTPRINT

Easy to assemble and install.
Designed to be mounted to a pole or U-bolt to a wall.

MEDIUM AND LONG RANGE

Horizontally polarized antenna for Short and Long range communications.



Many customers cannot install large HF antennas that are traditionally used for base stations because of limiting factors such as building restrictions, city codes, footprint issues and so on. The CWA-125 antenna solves this issue. The CWA-125 can be mounted on a short pole or secured to a wall using U-bolts. The design of the antenna provides medium as well as long range omnidirectional propagation.

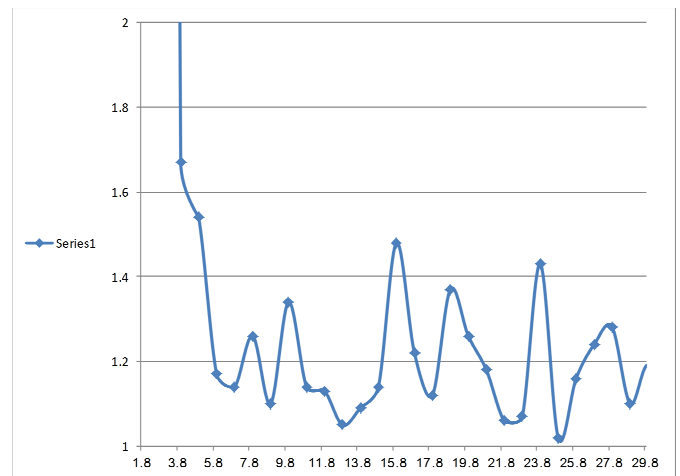
- Universal mounting hardware included for use with F2265 antenna tuner or other models.
- Installed total height is only 12 feet. Includes 4ea 6 ft loaded whip antennas
- Tested extensively and found to be an excellent antenna by many US State and Federal Agencies

Assembly and installation of the CWA-125 is simple and can be done with 2 people in as little as 30 minutes. The CWA-125 has been installed and tested in many adverse environments with excellent results. The mast consists of 2ea 6 ft aluminum tubes connected together. If greater height is required additional sections can be ordered. The antenna tuner is mounted to the mast with provided bolts; also available with adjustable clamps to fit a variety of tuners.

PERFORMANCE SPECIFICATIONS

TECHNICAL DATA

Frequency Range:	1.6—30 MHz
Input Power:	125 W (two-tone test method and a single tone transmission for CW Morse code, both at a duty cycle of 1 minute transmission/4 minutes reception)
Tuning Accuracy:	Automatically tunes to 50Ω with a nominal VSWR of 1.5 (maximum VSWR of 2) on any frequency in the 1.6—30 MHz range.
Number of Memory Channels:	4437 with Micom tuner
Tuning Time:	Typical: 0.5 seconds Maximum: 3 seconds From memory: less than 300ms
Tune Power:	3—6 Watts
Power Requirements:	12VDC nominal, 1.2A supplied through RF coax cable from the radio to the tuner
Azimuth Radiation Pattern:	Omni-directional
Antenna Dimensions:	
Height:	12ft
Length:	12ft 4in
Width:	12ft 4in



**Royal Communications
International, Inc.**

**3135 Coachman Court
Oceanside, CA 92056
760-529-9518
Sales@royal-communications.com
www.royal-communications.com**