

# Operation manual

## CA-SUPER22

### High-gain antenna for 220-225MHz

**Features:**

- Omni-directional radiation pattern
- Wide frequency range, no tuning adjustments required
- Heavy duty, one-piece black fiberglass radome
- Heavy-duty extruded aluminum mounting brackets and stainless steel hardware included for stability in adverse weather conditions
- Unique mounting pipe acts as a weather shield protecting the coax to antenna connection from wind/ice/snow etc.

**Specifications:**

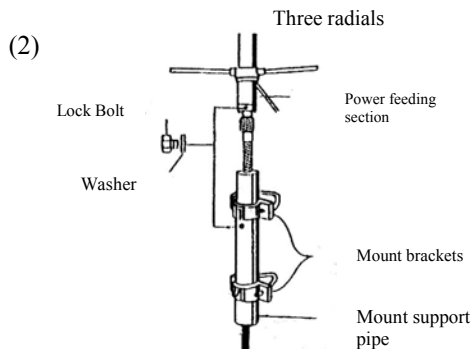
Frequency:	220-225Mhz
Gain:	6.6dBi
Max Power:	150 watts
Impedance:	50 Ohms
VSWR:	1.3:1 or less
Max wind speed:	110MPH
Length:	8 ft
Weight:	2lb 13ozs
Connector:	Integral SO-239

**Parts List:**

- 1 Element
- 3 Radials w/lock nuts
- 2 Mount brackets
- 1 Mount support pipe
- 1 Lock bolt w/washer M6x8
- 2 Hex bolt w/washer 6x30
- 2 U-bolts w/washer and nut

**Assembly & mounting:**

- (1) Mount the 2 brackets onto the mount support pipe. Pass the coax cable through the mount support pipe and connect to the antenna power feeding section. Next, slide the antenna down into the mount support pipe and tighten the lock bolt firmly. Screw three radials into the sockets and tighten the lock nuts.



Note: Please use 50 ohm low loss high quality coaxial cable of the shortest length necessary to maintain the high gain performance of this antenna.

Use coax seal/vinyl tape to completely water-proof the coax to antenna connection.

- (2) Mount the above assembled antenna to your existing mast. The required mast size is 1.25" - 2.50 inches diameter.

