

G7-220

INSTALLATION INSTRUCTIONS

ASSEMBLY

1. Check package contents against illustration to insure all items are included.
2. Install the four radials to the base section. This is done by inserting the four 4405-1 screws thru the 5357 plate and thru the 3553-23 radials then two or three turns into the cast aluminum base. The radials should be arranged in a clock-wise fashion. When radials are properly aligned, tighten down the screws. Add the plastic caps 5303-6 to the ends of the radials.
3. Assemble the vertical radiator sections to the base section per illustration.
4. The antenna is supplied with 1-1/2" U-Bolts. The mounting plate is also punched to accept 2" bolts (not included).
5. Before you attach your cable be sure you have an "N" connector on the cable and not a PL-259 connector because the connector on the antenna is an "N" type.

TUNING INSTRUCTIONS

The G7-220 utilizes a 5/8 wave lower, 5/8 wave middle, and a 5/8 wave upper colinear radiator which has been spaced for optimum low angle radiation. When set to the dimensions shown in the illustration, the antenna should require no further adjustments since it is sufficiently broad banded. However, in the event tuning is desired proceed as follows:

Install a dependable wattmeter at or near the feed point of the antenna. Apply power to the antenna. Loosen the clamp of the bottom radiator only and adjust the length until the lowest reflected power or VSWR is obtained. Secure the clamp. Before final installation, if desired, coat the entire antenna with the exclusion of the RF connector with a good grade acrylic lacquer such as "Krylon".

When using some other frequency than 220 band, add or subtract 1/4" from each "X", "Y" dimension for each 0.5 MHz.

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G7-220
Instruction sheet 6021
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