

Antenne Ground Plane

Ground Plane Antennas for 2m, 1.25m, and 70cm

Lengths:	146 MHz	220 MHz	440 MHz
Radiator	19.25"	12.75"	6.4"
Radials	20"	13.4"	6.75"

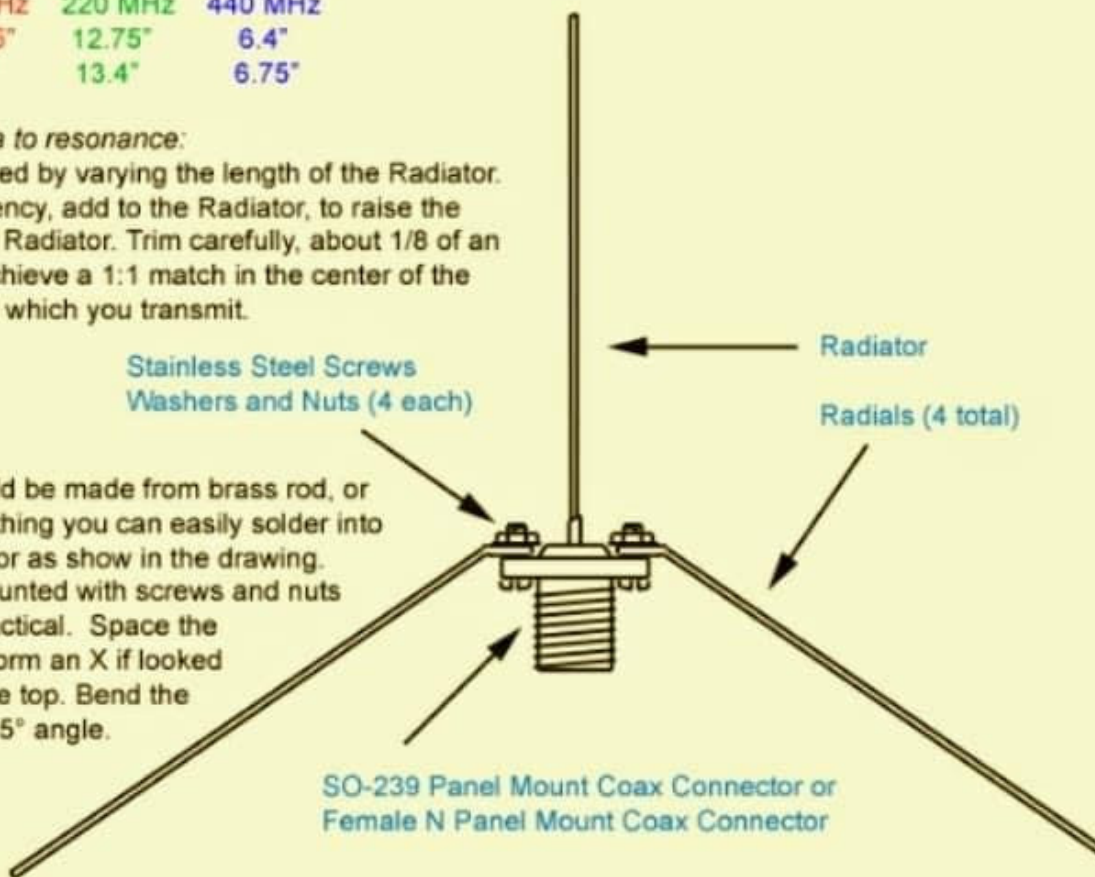
Tuning the antenna to resonance:

The antenna is tuned by varying the length of the Radiator. To lower the frequency, add to the Radiator, to raise the frequency, trim the Radiator. Trim carefully, about 1/8 of an inch at a time to achieve a 1:1 match in the center of the frequency range in which you transmit.

Stainless Steel Screws
Washers and Nuts (4 each)

The Radiator should be made from brass rod, or copper wire, something you can easily solder into the center connector as show in the drawing. The radials are mounted with screws and nuts soldering is not practical. Space the Radials evenly to form an X if looked down upon from the top. Bend the radials down at a 45° angle.

SO-239 Panel Mount Coax Connector or
Female N Panel Mount Coax Connector



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