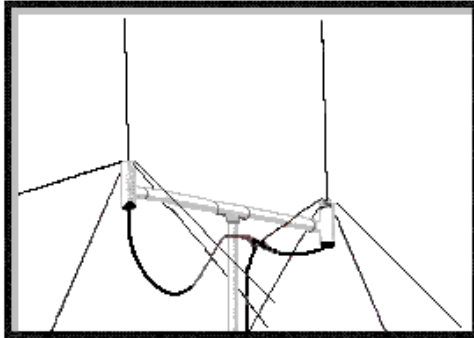
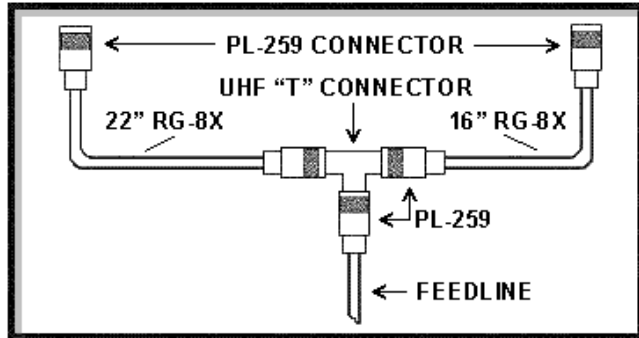


2 Meter Phased Array

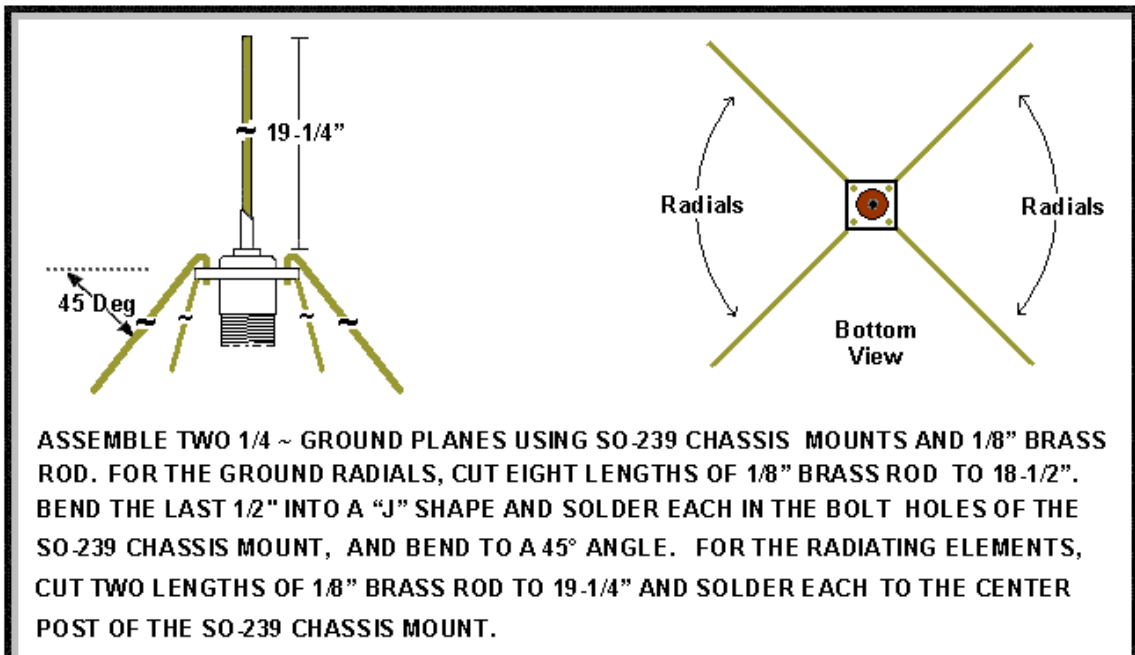
DESIGN BY K6GWN



THE ANTENNA RADIATES IN THE DIRECTION OF THE GROUND PLANE THAT'S ATTACHED TO THE LONGEST PHASING LINE.

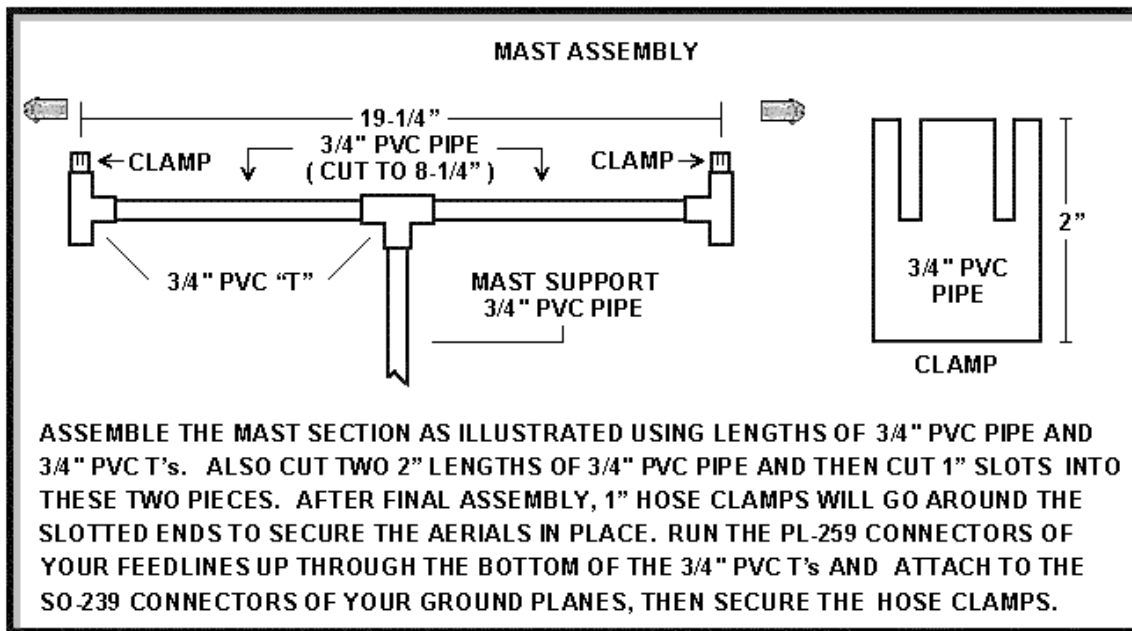


FEEDLINE HARNESS ASSEMBLY



ASSEMBLE TWO 1/4" ~ GROUND PLANES USING SO-239 CHASSIS MOUNTS AND 1/8" BRASS ROD. FOR THE GROUND RADIALS, CUT EIGHT LENGTHS OF 1/8" BRASS ROD TO 18-1/2". BEND THE LAST 1/2" INTO A "J" SHAPE AND SOLDER EACH IN THE BOLT HOLES OF THE SO-239 CHASSIS MOUNT, AND BEND TO A 45° ANGLE. FOR THE RADIATING ELEMENTS, CUT TWO LENGTHS OF 1/8" BRASS ROD TO 19-1/4" AND SOLDER EACH TO THE CENTER POST OF THE SO-239 CHASSIS MOUNT.

AERIAL ASSEMBLY



MORE INFORMATION ON THIS ANTENNA CAN BE FOUND AT:

<http://www.w7dk.org/RCT%20Technical%20files/2%20Meter%20Phased%20Vert%20Ant.pdf>

THE ANTENNA SHOULD PROVIDE A VSWR OF LESS THAN 1.3:1 AT 146 MHz WITH ROUGHLY 6.4 Dbi (APPROX 4.0 Dbd) OF FORWARD GAIN. WHEN ATTACHED TO A ROTOR, THE TURNING RADIUS OF THIS ANTENNA IS LESS THAN 40 INCHES.

WEBMASTER'S NOTE:
SOME MATERIALS IN THESE PLANS WERE SUBSTITUTED FROM WHAT WAS USED IN THE ORIGINAL DESIGN PLANS.

