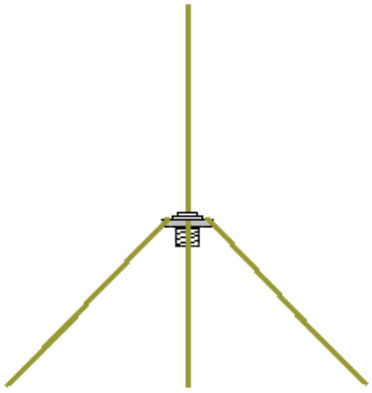
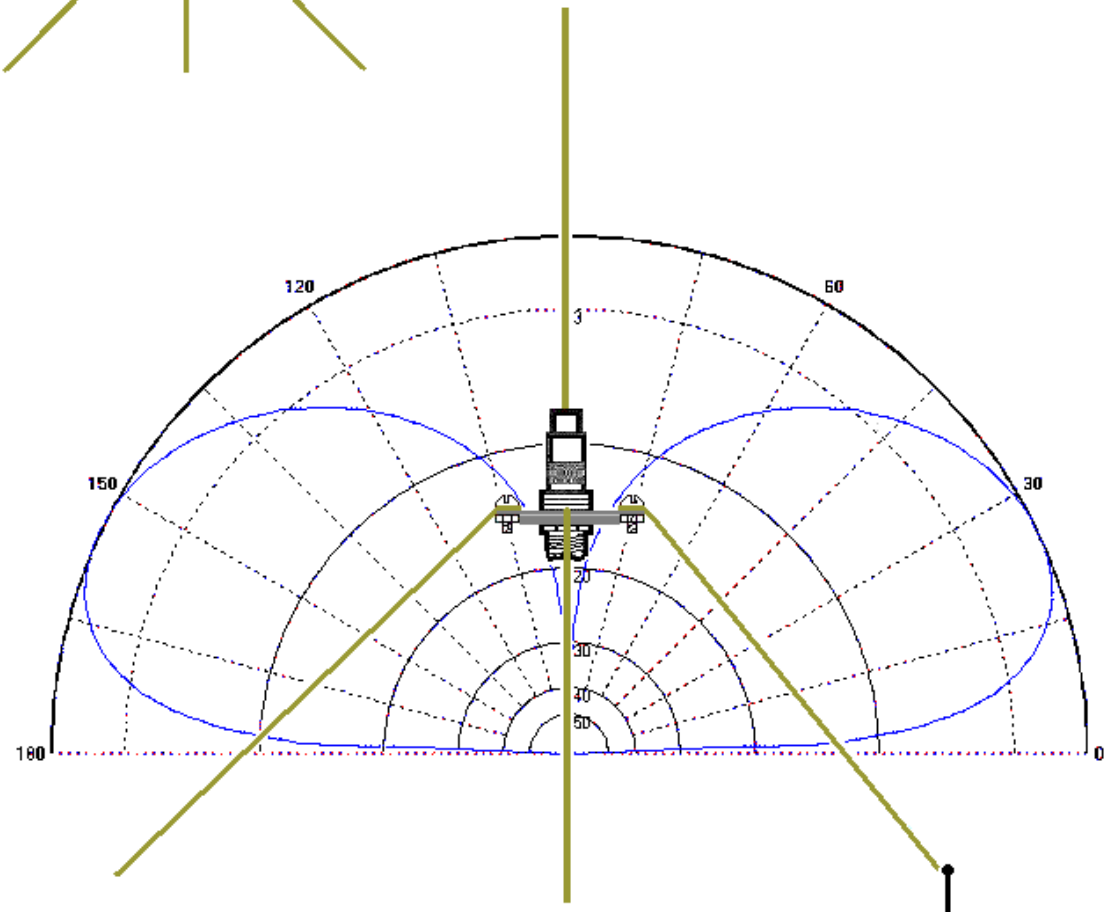
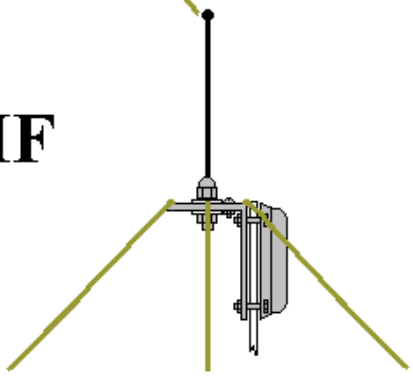


Ground Planes



Designs for VHF & UHF

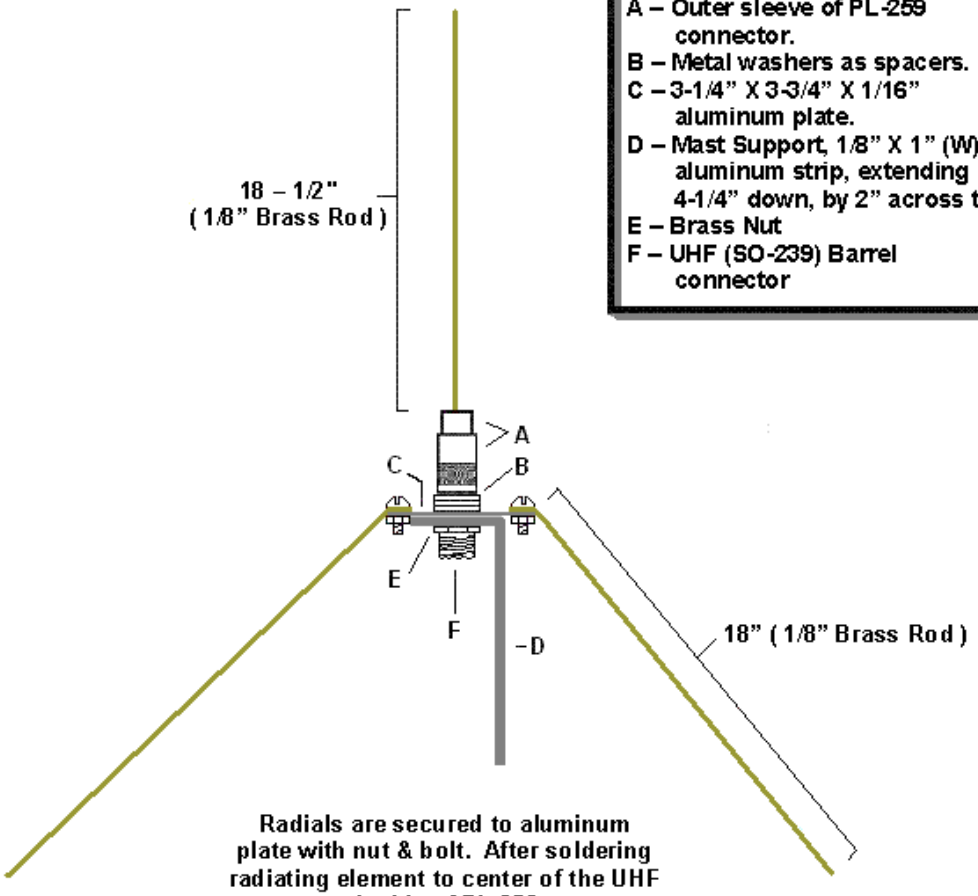


FIRST DESIGN

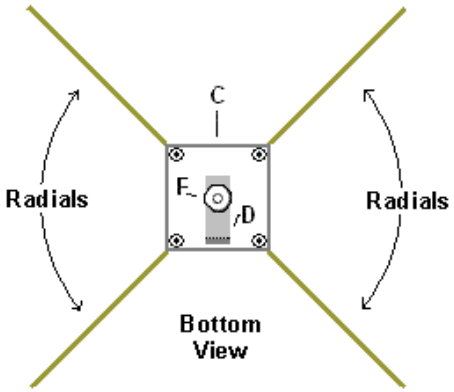
2 Meter 1/4~ Ground Plane

DESIGN BY W6WXA

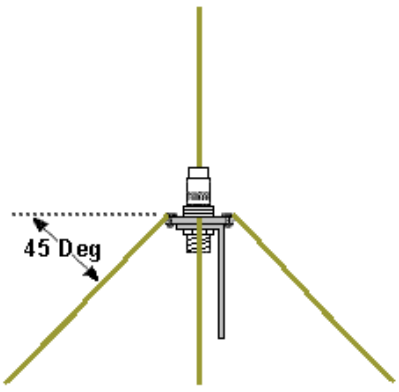
A – Outer sleeve of PL-259 connector.
B – Metal washers as spacers.
C – 3-1/4" X 3-3/4" X 1/16" aluminum plate.
D – Mast Support, 1/8" X 1" (W) aluminum strip, extending 4-1/4" down, by 2" across top
E – Brass Nut
F – UHF (SO-239) Barrel connector



Radials are secured to aluminum plate with nut & bolt. After soldering radiating element to center of the UHF connector, inside of PL-259 connector is filled with epoxy for water proofing. Weatherize all connections.



NEXT DESIGN



1.25 Meter 1/4~ Ground Plane

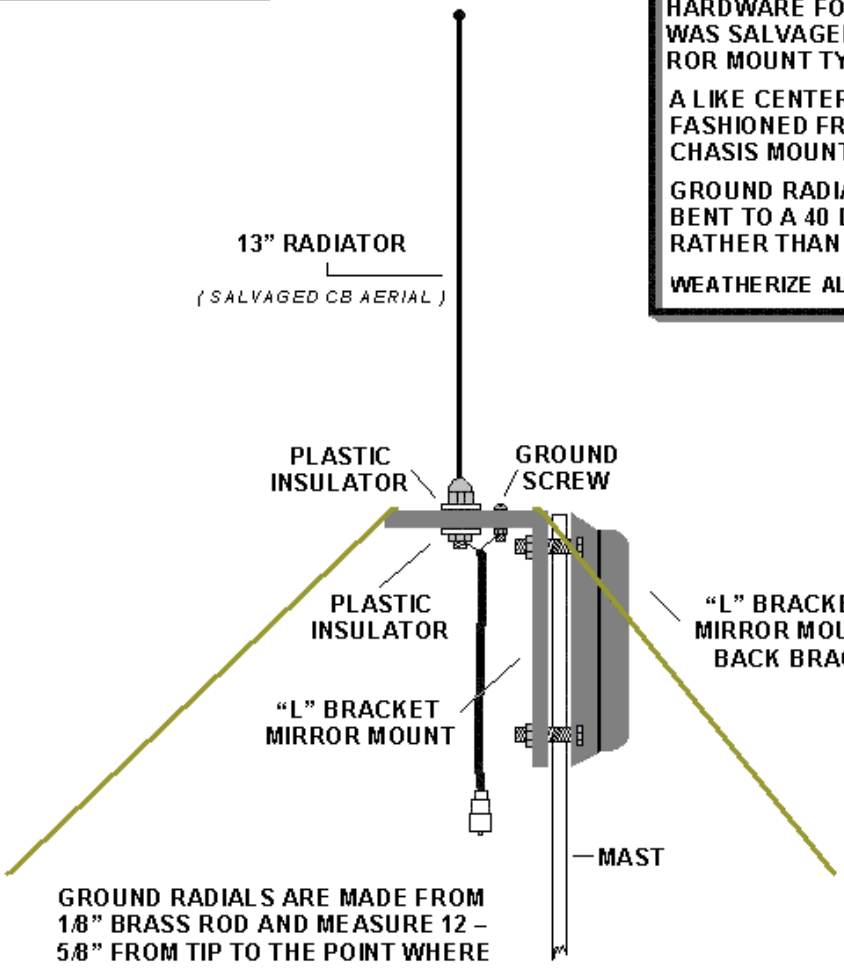
DESIGN BY K6WXA

HARDWARE FOR THIS ANTENNA WAS SALVAGED FROM A MIR – ROR MOUNT TYPE CB ANTENNA

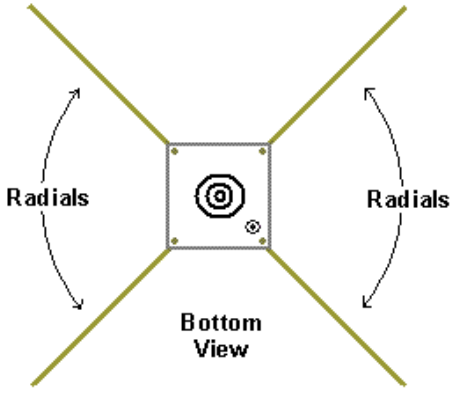
A LIKE CENTER MOUNT CAN BE FASHIONED FROM AN SO-239 CHASIS MOUNT CONNECTOR

GROUND RADIALS HAVE BEEN BENT TO A 40 DEGREE ANGLE, RATHER THAN 45 DEGREES

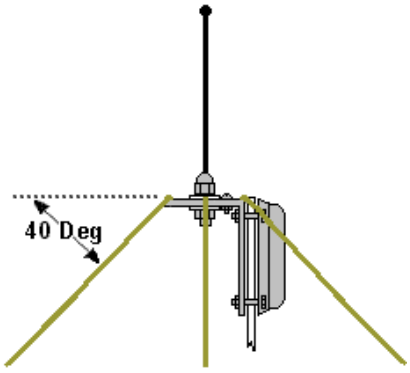
WEATHERIZE ALL CONNECTIONS



GROUND RADIALS ARE MADE FROM 1/8" BRASS ROD AND MEASURE 12 – 5/8" FROM TIP TO THE POINT WHERE IT MEETS THE TOP OF THE BRACKET



NEXT DESIGN



70 Centimeter 1/4~ Ground Plane

DESIGN BY K6WXA

SIMPLEST ANTENNA YET!

SO-239 CHASIS MOUNT AND 1/8" BRASS ROD

FOR THE GROUND RADIALS, CUT FOUR LENGTHS OF 1/8" BRASS ROD TO 6-1/2". BEND THE LAST HALF INCH INTO A "J" SHAPE AND SOLDER EACH TO THE SO-239.

CUT THE RADIATING ELEMENT TO 6-3/8" AND SOLDER TO THE CEN – TER POST OF THE SO-239.