

NEW PRODUCT RELEASE

CHOPPER CHARLIE ANTENNA, MODEL 64#5

Chopper Charlie in Cridersville, Ohio, has a new antenna design (Chopper Charlie, Model 64#5) which they asked us to check out and report on. We think it's a good one, and I think you'll agree.

We checked it out thoroughly and found it to be a fine omni which lives up to Chopper Charlie's claims. It's a well-constructed antenna, using heavy aircraft-type aluminum tubing. The only weakness we found in its construction was in the ground radial attachments. The screws used to secure them aren't really strong enough to withstand the kind of winds we have in this area at times. Bolts should cure this problem, however. The antenna is light-weight and can be easily handled by one man. Weatherproofing is also outstanding, which is an important factor in coastal areas.

SWR is good - 1.1:1 over 26.965 to 27.405, but with a severe increase outside this band. We used 70' of RG58 and then changed to the same length of RG8 with no change in SWR. TX-RX is good with a 50-mile radius and will handle power up to 250 watts.

SPECIFICATIONS

The antenna's .64 wavelength design develops a power gain equal to 15 watts talk-power when using a 3-watt transceiver (5db).

OVERALL HEIGHT: 23' - 3½"
DIAMETER OF RADIATOR - 1-1/8" to 3/8"
DIAMETER OF RADIALS - 5/8" to 3/8"
MOUNTING BRACKET ACCEPTS UP TO - 1-5/8"
WEIGHT - 8lbs.
WIND SURVIVAL - 90 mph
ALUMINUM TUBE - Aircraft Type, Heavy Wall

The matching transformer is impervious to weather, and provides a DC path to ground to bleed off precipitation static.