

**INSTALLATION INSTRUCTIONS  
FOR THE HUSTLER LOW BAND BASE STATION ANTENNAS  
G-2537 & G-3754**

The Hustler Low Band Base Station Antennas, models G-2537 and G-3754 are professional gain vertical ground antennas designed to cover 12 meter band and twenty-eight (28) to fifty-four (54) MHz. The vertical radiator configuration is electrically centered at .64 wave lengths long, which provides gain at a very low angle of radiation. Base matching is accomplished by a specially designed transformer built as an integral part of the mounting base. This provides a nominal 50 ohm impedance when tuned according to the instructions.

**INSTALLATION**

1. Locate the spider (3609-3), the three 1/2 X 57 22/32" radial tubes (4502), the radials tubes (4502-2), the three machine screws (2194-19), and (2382-1) nut and (2381-10), washer. Assemble the three radial tubes loosely to the bottom of the bracket.
2. Install the "U" Bolts with lock washers and nuts to the bracket.
3. Locate and install the three clamps (4272) on the ends of the assembled radial tubes.
4. Place end caps (5303-6) on the ends of the three 3/8 X 57" tubes (3553-4) and insert to the correct overall length according to the radial tuning chart for the correct frequency and tighten the clamps.
5. Pivot the loosely mounted radial tubes to allow the base assembly to lie flat for convenience in measuring and mounting the vertical radiator sections. Locate the appropriate tubes according to the following directions and assemble the sections together with the clamps. The antenna must be tuned according to the directions pertaining to the particular frequency range in which the antenna will operate. The lengths on the antenna radiator tuning chart are measured from the underside of the bracket to the tip in inches. When using some other frequency in that range, add or subtract 1/4" from each dimension for each 0.5 MHz lower or higher change in frequency, respectively.

**5a. 12 Meter operation (312" to 293")**

Assemble all the tubes together with the proper clamps. Tube sections should be inserted into their respective mating tubes up to the black ring. Tune the antenna by adjusting tube 3553-2. Apply the plastic end cap and tighten all clamps.

**NOTE:**

The black rings on tubes mark the point of minimum overlap with the mating tube. When tuning the antenna with 4280-9 & 4281-1, the tubes should never be out far enough for the rings to be completely uncovered.

**28 MHz to 54 MHz**

**5b. Radiator length (293" to 236 3/8")**

Assemble the antenna up through section 3552-16. Tune by adjusting 4280-9 and 4281-1 equal amounts. Tighten the clamps and apply plastic end cap.

**5c. Radiator length (236 3/8" to 186 7/8")**

Assemble the antenna up through section 4283-4. Tune by adjusting 4280-6 and 4281-1 equal amounts. Tighten clamps and apply plastic end cap.

**5d. Radiator length (186 7/8" to 143 3/8")**

Assemble the antenna up through section 4282-4. Tune by adjusting 4280-9 and 4281-1 equal amounts. Tighten clamps and apply plastic end cap.

**5e. Radiator length (143 3/8" to 94")**

Assemble the antenna up through section 4281. Tune by adjusting sections 4280-9 and 4281-1 equal amounts. Tighten clamps and apply plastic end cap.

**6. Move the radials back into place and tighten securely.**

**7. Mount the antenna on a mast with the "U" Bolts. The antenna base accepts a PL-259 connector.**



## MOUNTING INFORMATION

	<b>30MHz</b>	<b>37MHz</b>	<b>54MHz</b>
Wind Survival Velocity	82 MPH	95 MPH	144 MPH
Lateral Thrust @ 100 MPH	54 LB	49 LB	34.3 LB
Bending moment at mounting bracket	225 FT-LB	188 FT-LB	56.6 FT-LB

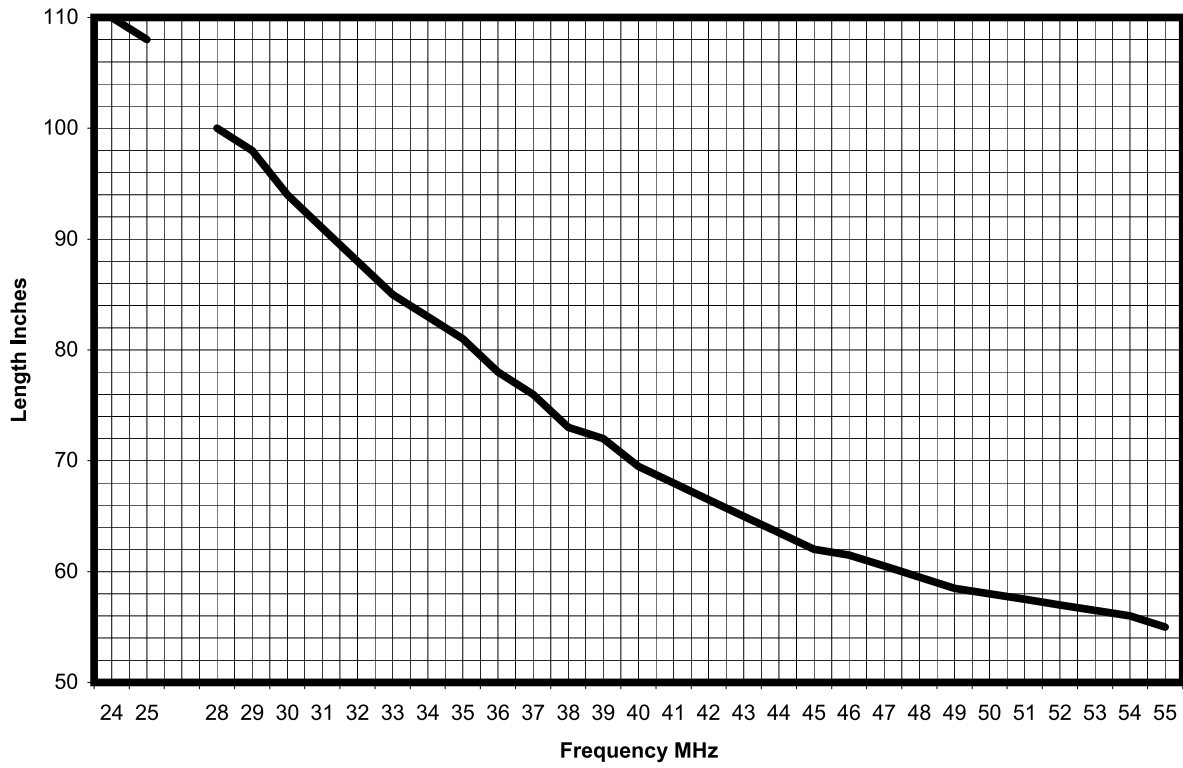
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Tuning Chart for Radials



Tuning Chart for Vertical Radiator

