

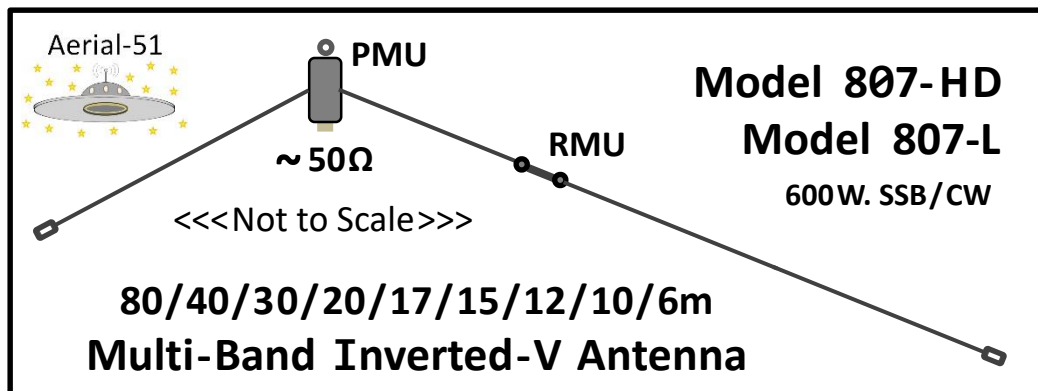
## New Heavier-Duty “Stealthy” Multi-Band *Current-Sum* Antenna\*

A new flexible antenna with unique clever features for travelers, making it the perfect companion for One-Man Expeditions and/or Stealth installations!

### UNIQUE FEATURES:

- New purpose-designed **Hybrid Balun** inside of the **Primary Matching Unit – (Epoxy-potted)**.
- New flexible and **Field-Interchangeable Remote Matching Unit** enables moving 80m resonance independent of the resonant frequency of the higher bands.
- New **Half-Size-Deployment** enables removal of the RMU plus outer 20m of wire, while losing only the 80m band. Although the antenna is then only half-size, it still operates great on 40, 20, 15, 10 & 6m, and with a tuner, its performance is also good on 17 & 12m (plus 30m with 150 Watts).
- **Low-Profile Stealthy** appearance makes it ideal for home use when a nearly invisible antenna is required to keep neighbors happy.
- **Light Weight** for an antenna with this many bands and features.

\*Based on the concept Karl Hille, DL1VU (SK) suggested in his book entitled *Windom- und Stromsummen-Antennen*.



**WARNING:** The SWR on 60 & 30m is about 10:1 at the feedpoint of the antenna. **MAX PWR: 150W on these bands.** With some lengths of coax, the SWR may look much better in the shack. However, “at the feedpoint” it is still 10:1 and the ~**HIGH VOLTAGE**~ caused by running high power on these bands may damage or totally destroy the PMU and/or RMU.

DJØIP – 05-Sep-2018

### MECHANICAL FEATURES:

**Length:**    -L: 40,5m (133’) / -HD: 40,8m (135’)  
                  -Half Size: About 20,3m (66’)

**Weight:**    -L: 450g (1 lb.) / -HD: 800g (28 oz.)

**PMU:**        HD version (only) Potted with Epoxy

**Wire:**        -L: CQ-534 (26-AWG) /-HD: CQ-532 (18-AWG);  
insulated, stranded Copper-Weld wire (copper-coated steel strands)

**SO-239:**    Gold Contact, Teflon Insulation

**Hardware:**    Stainless Steel (V2A)

**INFO:** <https://www.aerial-51.com/model-807-xx/>

# Model 807-xx SWR Curves Full-Size vs. Half-Size Configuration

The full-size configuration has better curves on the two WARC bands, but on the classical hf bands (40, 20, 15, & 10m, as well as 6m, the half-size has very good SWR curves. Performance *on the air* on ALL of these bands is very good.

The yellow box in the graphs represents the Region One Ham Bands.

Measured with a RigExpert AA-54 Antenna Analyzer and 15m (49') of RG-174 HCU Coax.

