



## HFp "Zero-Stripe" Elements

### What are they?

"Zero-Stripe" HFp elements are essentially shortened one-stripers. Electrically, they are about the same as the fully-extended whip.

### What are they for?

First, they allow operation on Six Meters. The accompanying setup table shows how to use them in both the Vertical and the Dipole on Six Meters. Second, they provide the means for adding "just a bit more" to the HFp, for those circumstances when the standard element setup is just a little short. This happens occasionally on 15 and 80 meters.

### What is the Six Meter Setup?

For Six Meters, assemble a One-Stripe and a Zero Stripe element, with a pull-out whip. Because the Zeroes and the Ones are not end-sensitive, they may be assembled in any order and any orientation.

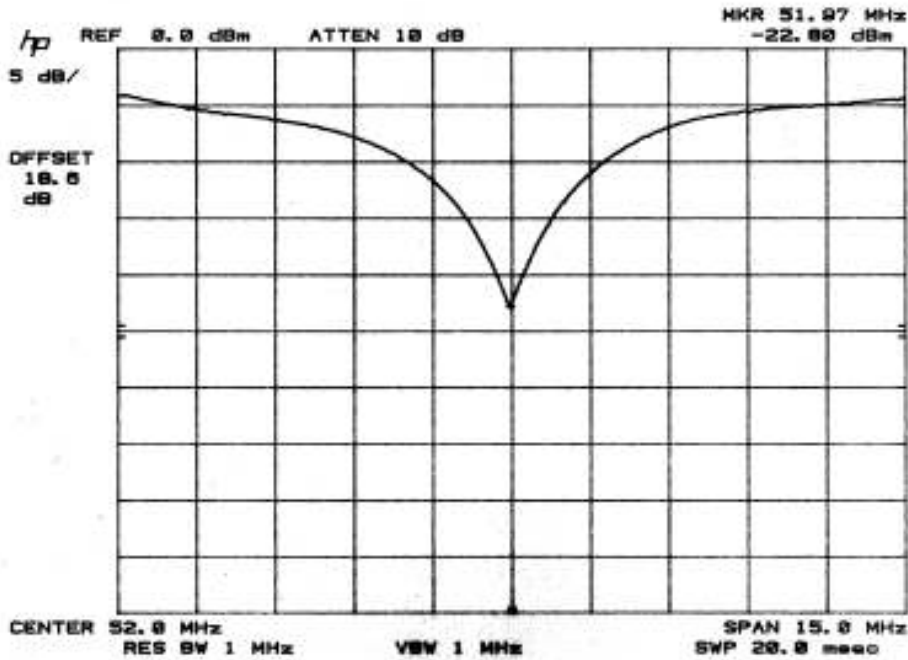
For the Dipole, screw one assembly on each side of the Dipole Head. Set the whips to about 3-1/2 sections. Best SWR is achieved with the Dipole about 7 feet off the ground. With the whip adjustments, the Dipole may be tuned to frequencies between about 47 and 63 MHz.

For the Vertical, screw one assembly onto the Base Insulator, and set the radial lengths to about three feet. Set the whip to about 4 sections. With proper adjustment of the whip and the radial lengths, you should be able to have the SWR below 1.5:1 across the entire 6-meter band, and under 1.2:1 at the center of the band.

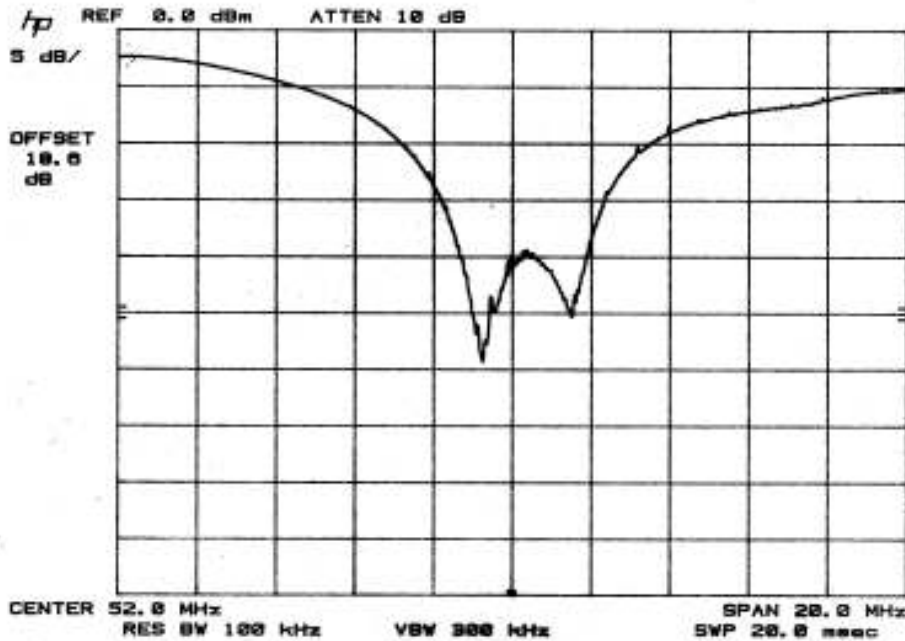
The plots on the next page show the return loss versus frequency for both the Dipole and the Vertical, as measured on our antenna test range. The vertical scale is 5 dB. Note that the 10 dB level represents about 2.0:1 SWR, and the 20 dB level represents about 1.2:1 SWR.



# The Ventenna Company LLC



**HFp-Dipole 6-Meters**



**HFp-Vertical - 6-Meters**