

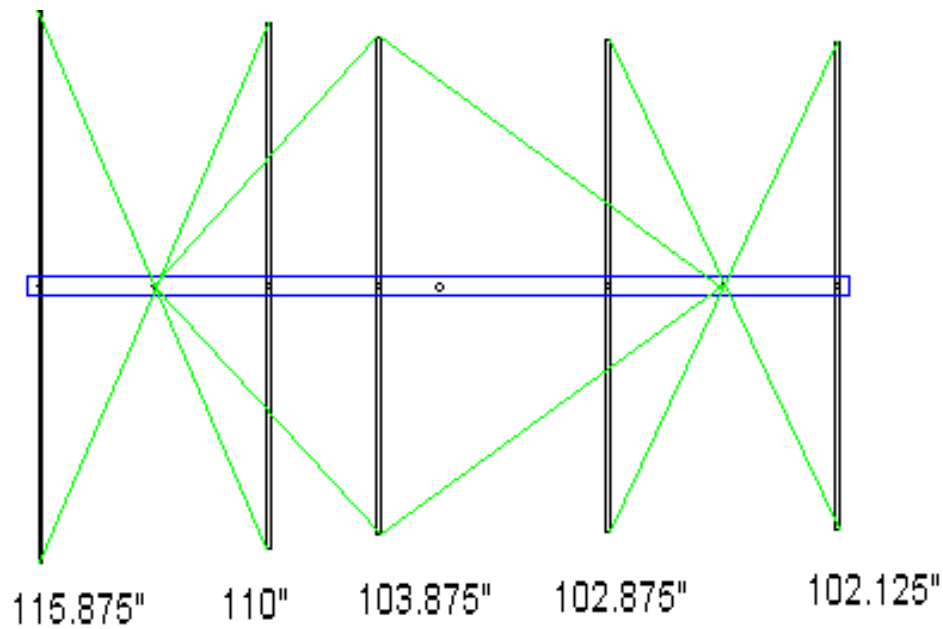
## 5 elements over 5 elements stacked 6 meter beam

### Design goals

1. Low cost
2. High gain
3. All parts except coax available at Home Depote
4. Light weight
5. Broadband

### Measured specifications

1. Gain/directionality
  - a. Forward signal strength = S30
  - b. Side signal strength = S6
  - c. Back signal strength = S7
  - d. Other side signal strength = S6
2. VSWR without tunner
  - a. 2 to 1 at 50 MHz
  - b. 1.3 to 1 at 50.7 MHz
  - c. 2 to 1 at 52 MHz
  - d. 1.2 to 1 at 53 MHz
  - e. 2 to 1 at 54 MHz
3. Weight with coax and without mast = 40 pounds
4. Cost was under \$100



12.4dB GAIN

