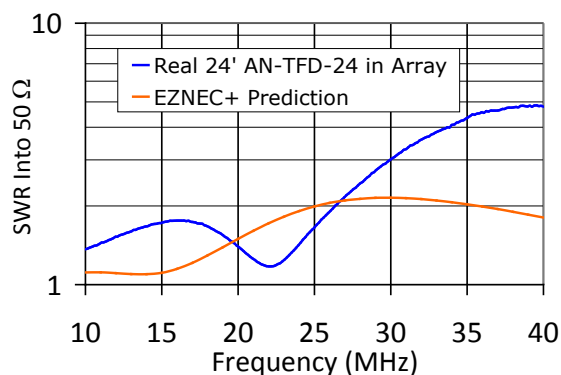
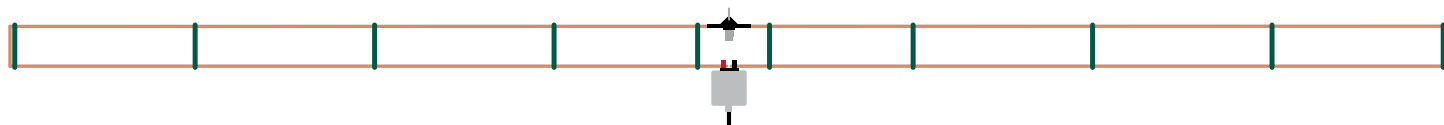


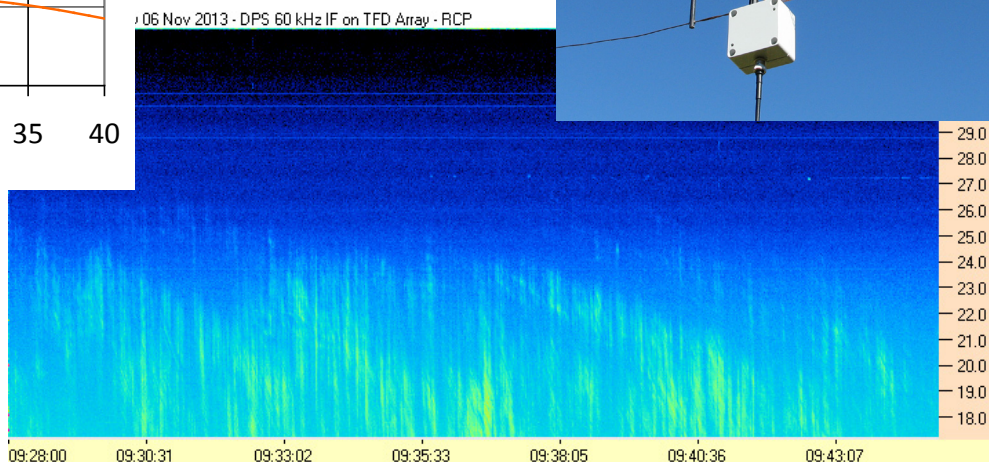


# 10 to 40 MHz TERMINATED FOLDED DIPOLE ANTENNA

## AN-TFD-24



Actual Jupiter emission observed with an array of eight TFD elements.



Designed for radio astronomy, the AN-TFD-24 is a broad band HF antenna offering a smooth, low-SWR response from well below 10 MHz to above 40 MHz. The Jupiter emission shown above was observed using an array of eight TFD elements. The antenna is 24 feet wide with an eight inch vertical separation between the element wires. Cross-drilled fiberglass spacers are soldered in place with loops of 22 ga solid copper wire. An 800 Ω terminator resistor is located at the middle of the top wire and a 16:1 balun transformer is used as a match to 50 Ω coax at the feedpoint in the middle of the bottom wire.

NOTE: the balun is a receive-only device with a maximum power rating of 250 mW.

### FEATURES

- ◇ Wire: 16 ga Copperweld
- ◇ Width: 24 feet
- ◇ Wire Spacing: 8 inches
- ◇ Termination: 800 Ω
- ◇ Spacers: 1/4 inch cross drilled fiberglass
- ◇ Spacer retention: 20 ga soldered copper

Fully assembled and tested (includes balun and termination resistor)

AN-TFD-24 Price: \$email