N6RK 160 meter receiving loop antenna used in 2007 Stew Perry contest

Jan 1, 2008

4 feet

1 turn Foam RG59

Gap in shield

Loop is square, despite this drawing

Important:
C1 = C3

C1 = C2 = C3

Mini-circuits T1:1

Optional

To RX

These values worked for me:
C1 = C3 = 3400 pF; C2 = .01 uF

Tune C1/C3 until impedance at output connector is resistive at 1830. Then tune C2 to get 50 or 75 ohms at the output connector. Increasing C2 lowers impedance. These is some interaction, requiring an iterative method.