

RN3KK Receiving Loop Antenna

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Yesterday I had a couple hours of free time so I decided make a receiving loop antenna for my receiver DEGEN. When the antenna was made and connected to the receiver I was amused how good it worked. **Figure 1** shows design of the antenna. I used a surplus copper tube (looks like 1/4 inch in diameter). Coupling loop was made from copper wire in 2- mm diameter (12 AWG). To the receiver the loop was connected by coaxial cable RG-58. It was used variable capacitor 2 x 12- 495- pF. With this capacitor the loop covered 2.5 – 18.3- MHz range. Connection to bridge to the variable capacitor a fixed capacitor in 2200- pF gives receiving on 160 meter band.

73! RN3KK

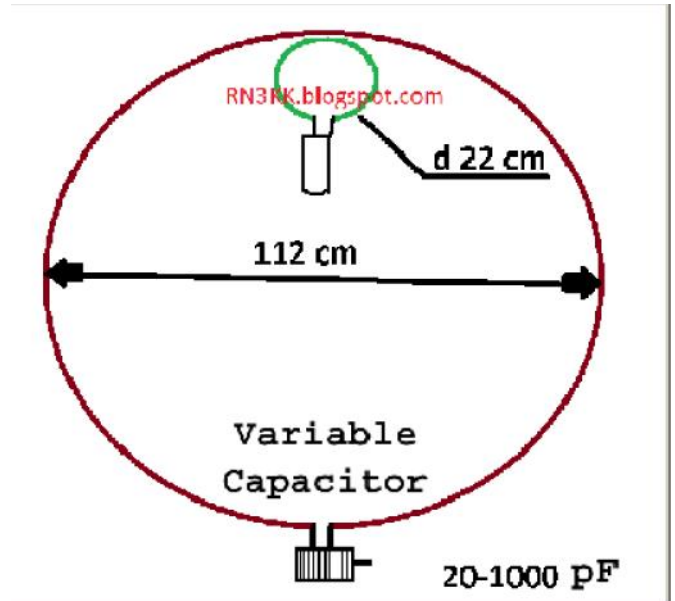


Figure 1 Design of the Receiving Loop Antenna



Picture 2 Receiving Loop Antenna and DEGEN



Picture 1 Receiving Loop Antenna

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<http://rn3kk.blogspot.com/2013/07/magloop.html#!/2013/07/magloop.html>