

Simple Balcony HF Antenna

By: *Alexsander Kovalevskiy, RN6LW*

The antenna was made on a plastic fishing pole in 4.5- meter length. **Figure 1** shows design of the antenna.

Antenna was made with wire in 1- mm (18- AWG) diameter. Lengthening coil installed at 3.5 meter from the grounded end. The coil has inductance in 33 micro Henry and contains 135 turns of 0.63- mm (22- AWG) wire wound on the form in diameter of 13- mm.

Antenna is fed by coaxial cable RG58 in 5.25- meter length through 7 x 7 N7DDC Automatic Antenna Tuner. Ground of the tuner connected to the metal rail of the balcony. Antenna installed at 45 degree to the building wall. SWR is less the 1... 1.2 on the 7- 29.0 MHz range. Antenna was tested in the Air with excellent result.

73! RN6LW

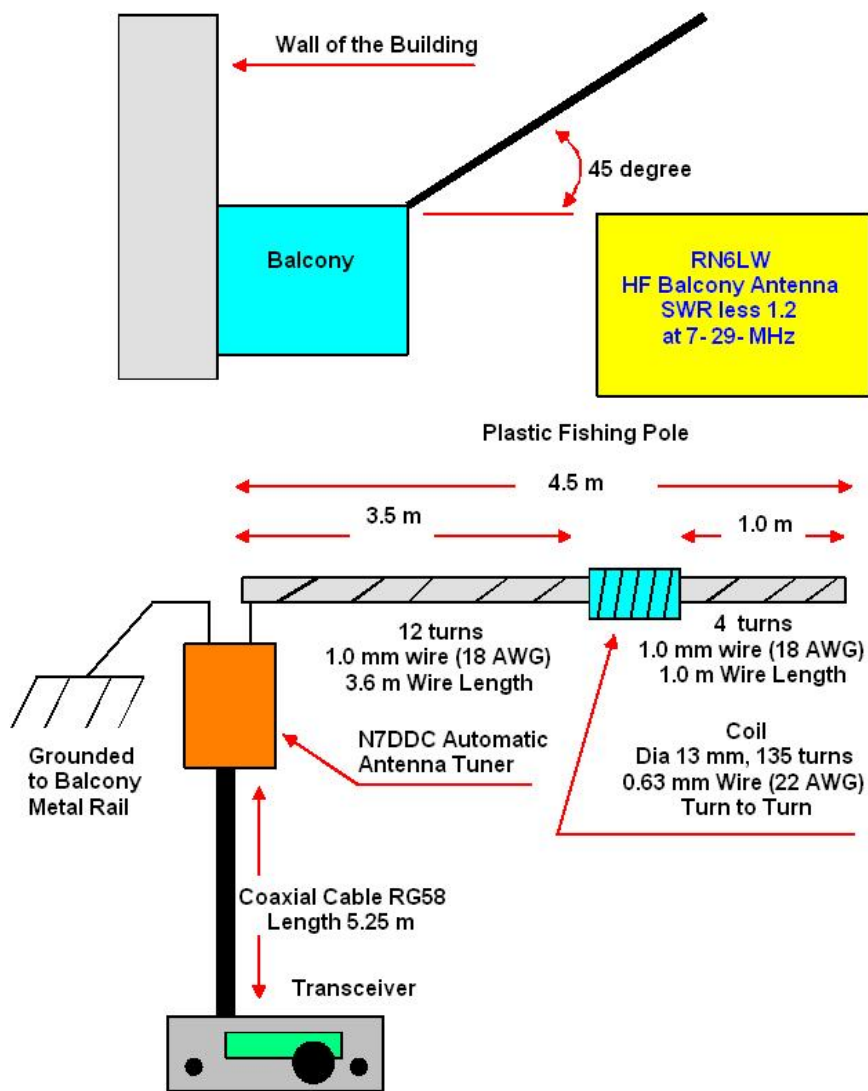
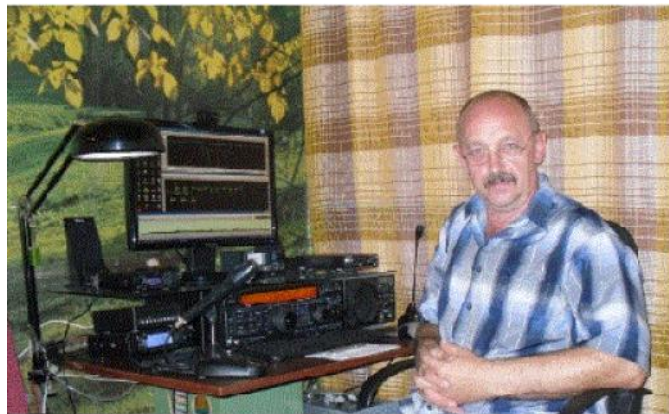


Figure 1 Simple Balcony HF Antenna



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