

Simple Folded Dipole Antenna for the 20- meter Band

Vladimir E. Tokarev, UA4HAZ

The antenna was designed for limited space. It may be installed on balcony, on fence or at backyard and masked on to rope for drying clothes. Antenna has input impedance cloth to 50- Ohm. **Figure 1** shows drawing of the antenna.

Folded sides of the antenna may be placed vertically, horizontally or by another way. Input impedance and resonance frequency of the antenna depends on to position of the antenna on to ground and on to different subjects. So antenna should be tuned in the place of its installation. You may compare parameters of the antenna installed on height of 3-meters above the ground (**Figure 2**, **Figure 3**, **Figure 4**) with parameters of the antenna in free space (**Figure 5**, **Figure 6**, **Figure 7**).

MMANA file for the antenna may be downloaded at:
http://www.antentop.org/018/ua4haz_018.htm

73! UA4HAZ

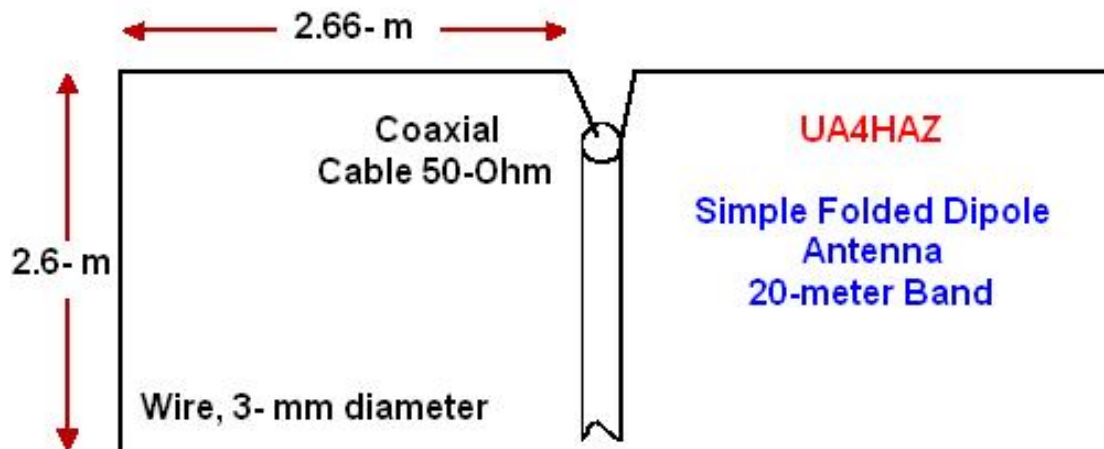
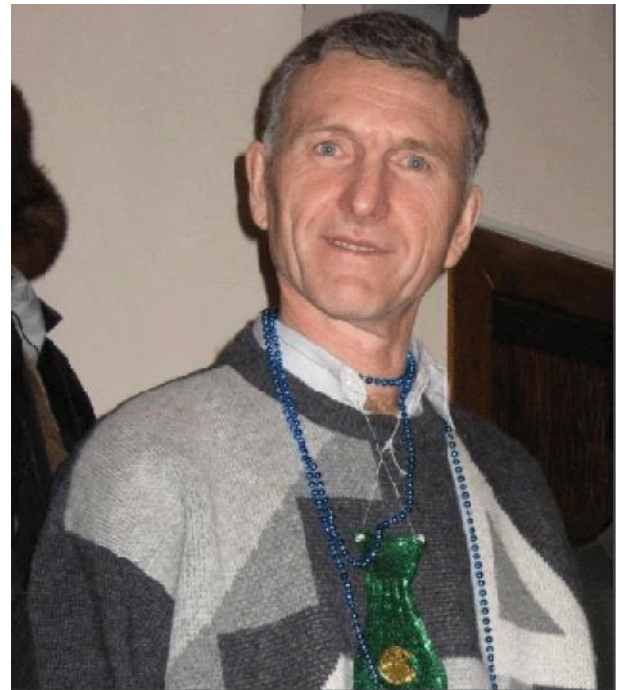


Figure 1 Simple Folded Dipole Antenna for the 20- meter Band

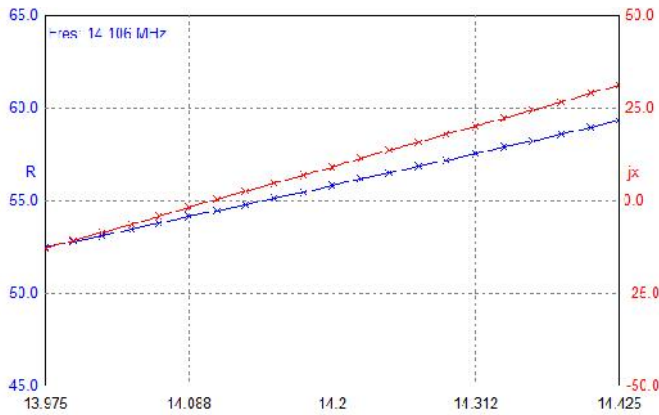


Figure 2 Input impedance of the Simple Folded Dipole Antenna installed at 3- meters above the ground

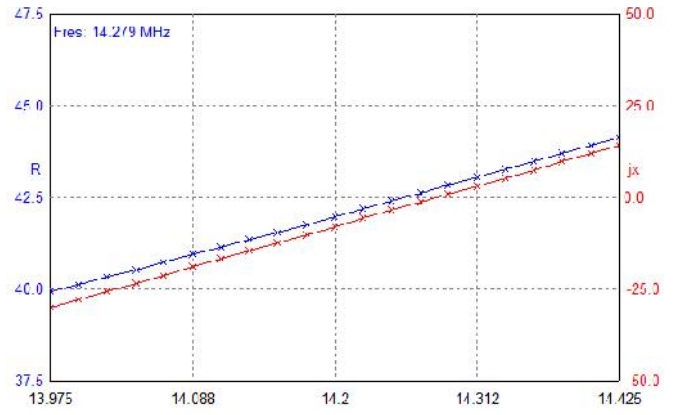


Figure 5 Input impedance of the Simple Folded Dipole Antenna in free space

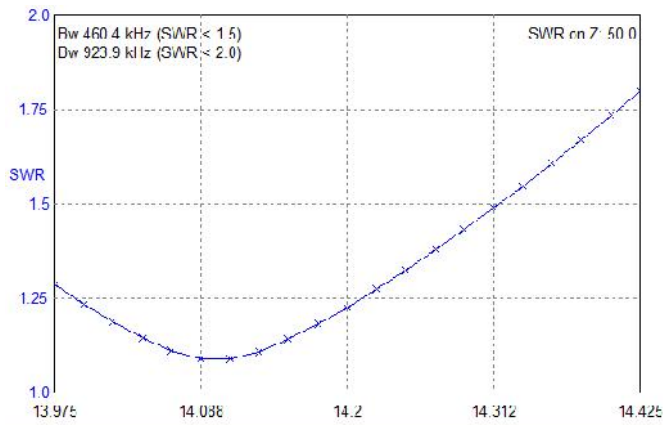


Figure 3 SWR of the Simple Folded Dipole Antenna installed at 3- meters above the ground

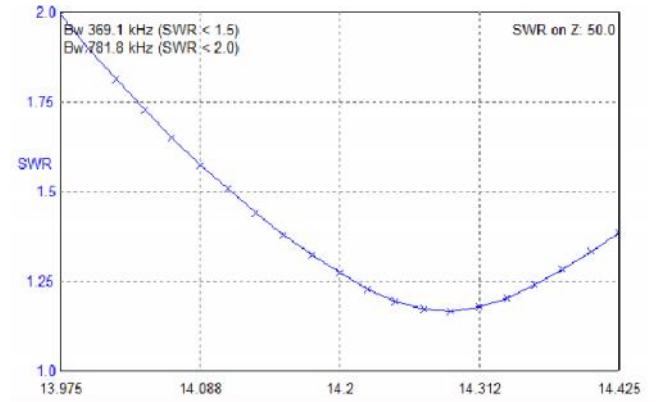


Figure 6 SWR of the Simple Folded Dipole Antenna in free space

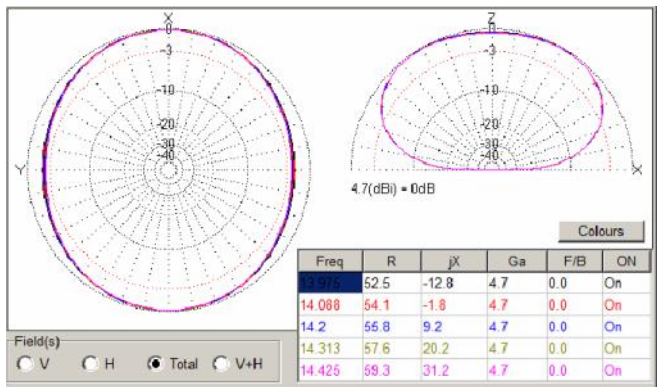


Figure 4 DD of the Simple Folded Dipole Antenna installed at 3- meters above the ground

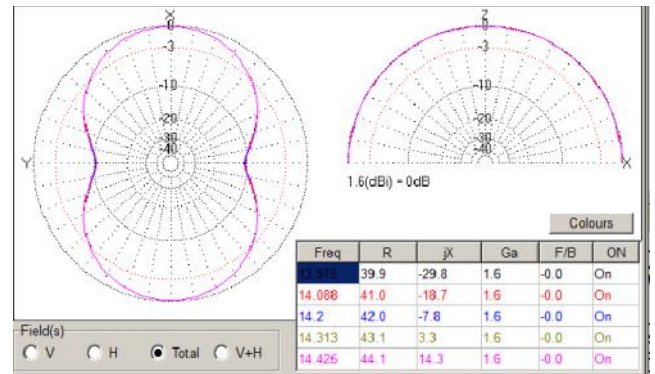


Figure 7 DD of the Simple Folded Dipole Antenna in free space

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