

Simple Dipole Antenna for the 7 and 21- MHz Band

The publication is devoted to the memory UR0GT.

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A dipole antenna is most simple antenna ever. Easy to make easy to tune to the working band. And it is benefit if the simple antenna works on two bands. Below described simple dipole antenna that can work on 7 and 21- MHz. **Figure 1** shows design of the antenna.

Figure 2 shows Z of the Simple Dipole Antenna for 7 and 21- MHz Band at 7-MHz Band. **Figure 3** shows SWR of the Simple Dipole Antenna for 7 and 21- MHz Band at 7-MHz Band. **Figure 4** shows DD of the Simple Dipole Antenna for 7 and 21- MHz Band at 7- MHz Band.

If the antenna cannot be placed symmetrically nearby objects it would be great to install on the feeding coaxial cable several ferrite rings. Antenna may be made from any wire in 1- 3 mm in diameter.

Figure 5 shows Z of the Simple Dipole Antenna for 7 and 21- MHz Band at 21-MHz Band. **Figure 6** shows SWR of the Simple Dipole Antenna for 7 and 21- MHz Band at 21-MHz Band. **Figure 7** shows DD of the Simple Dipole Antenna for 7 and 21- MHz Band at 21- MHz Band.

MMANA file below allows you play with the antenna with conditions on your location.

73! de UR0GT

The MMANA model of Simple Dipole Antenna for 7 and 21- MHz Band: [http:// www.antentop.org/024/ur0gt_dipole_024.htm](http://www.antentop.org/024/ur0gt_dipole_024.htm)

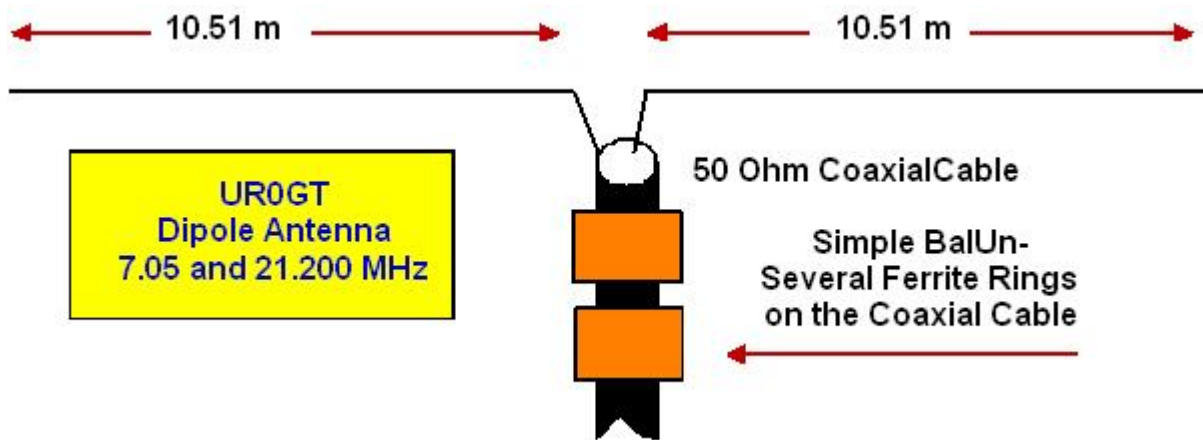


Figure 1 Simple Dipole Antenna for 7 and 21- MHz Band



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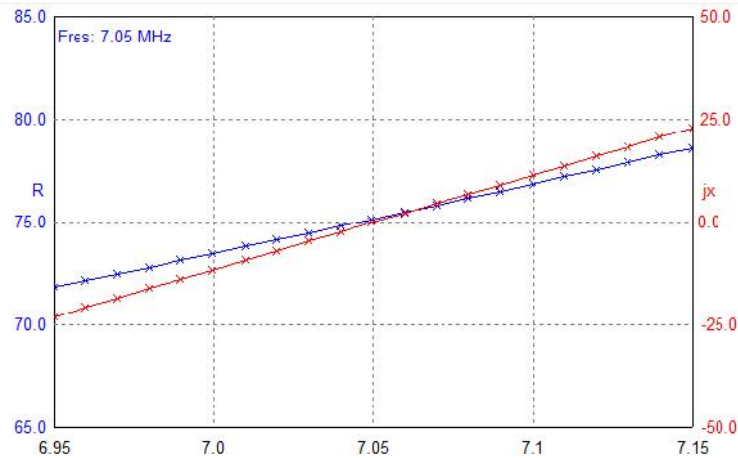


Figure 2 Z of the Simple Dipole Antenna for 7 and 21- MHz Band at 7-MHz Band

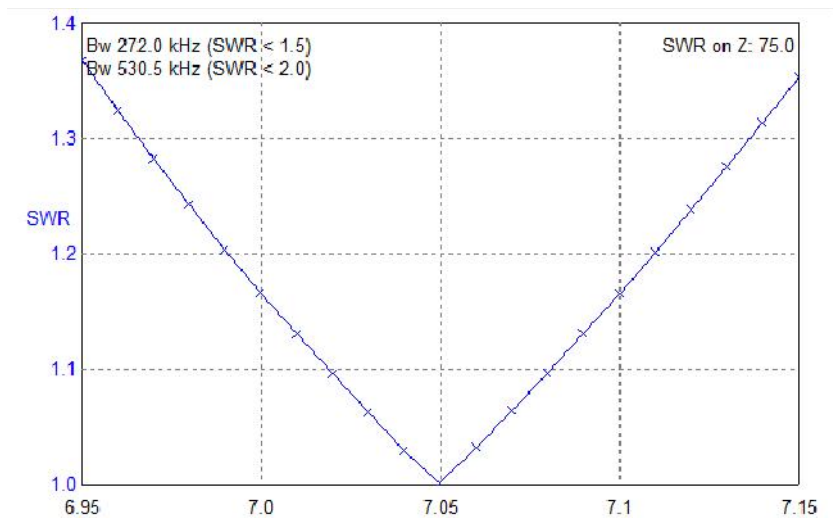


Figure 3 SWR of the Simple Dipole Antenna for 7 and 21- MHz Band at 7-MHz Band

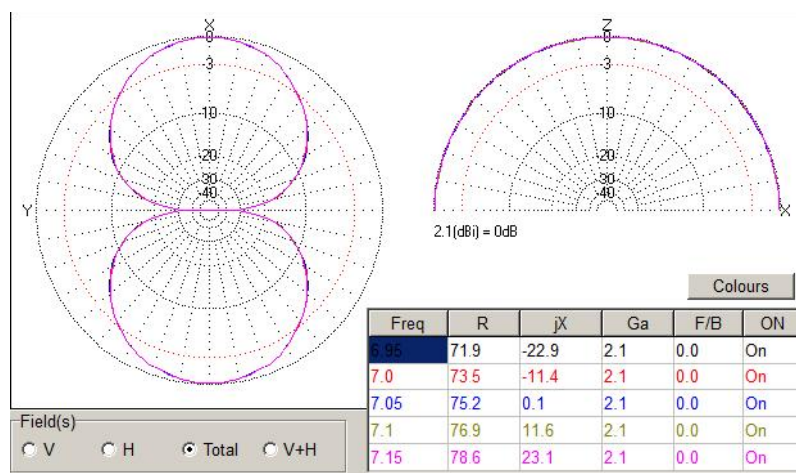


Figure 4 DD of the Simple Dipole Antenna for 7 and 21- MHz Band at 7-MHz Band

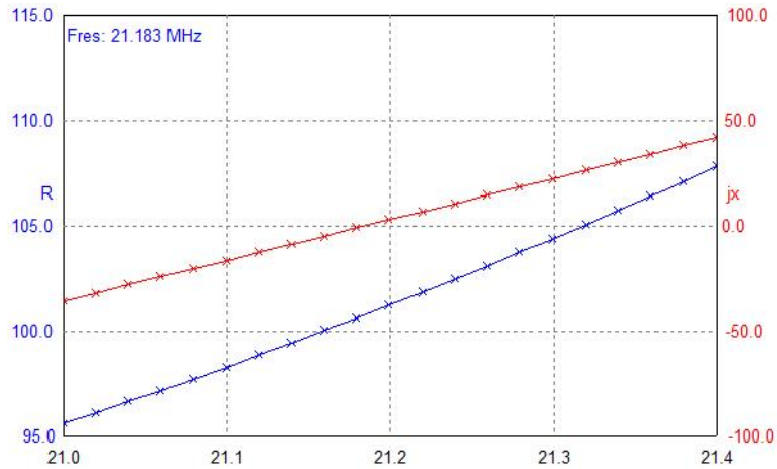


Figure 5 Z of the Simple Dipole Antenna for 7 and 21- MHz Band at 21-MHz Band

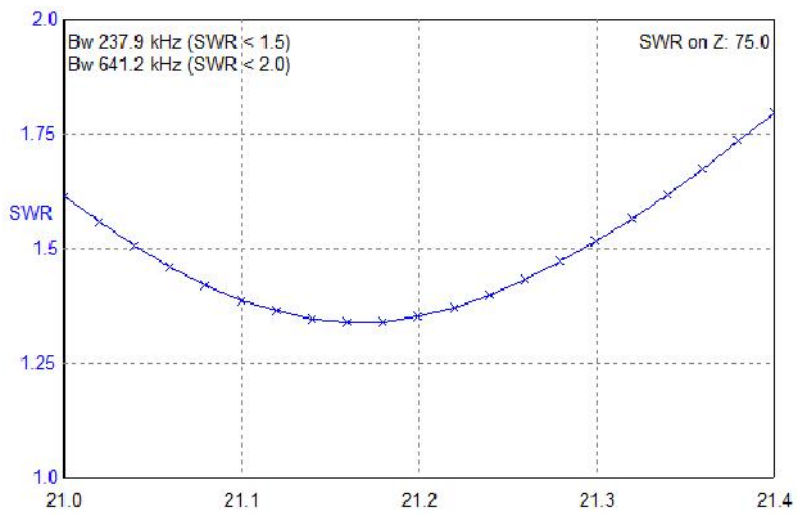


Figure 6 SWR of the Simple Dipole Antenna for 7 and 21- MHz Band at 21-MHz Band

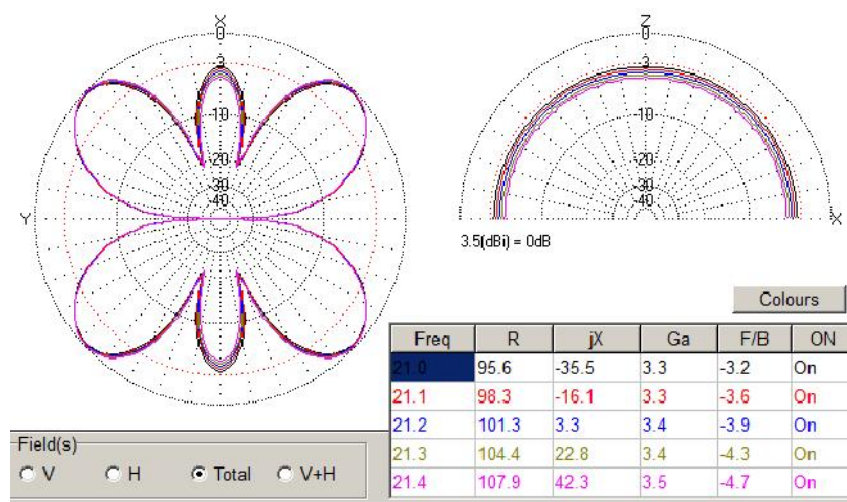


Figure 7 DD of the Simple Dipole Antenna for 7 and 21- MHz Band at 21-MHz Band