

# RN3DEK Double Dipole Antenna for the 50- MHz Band

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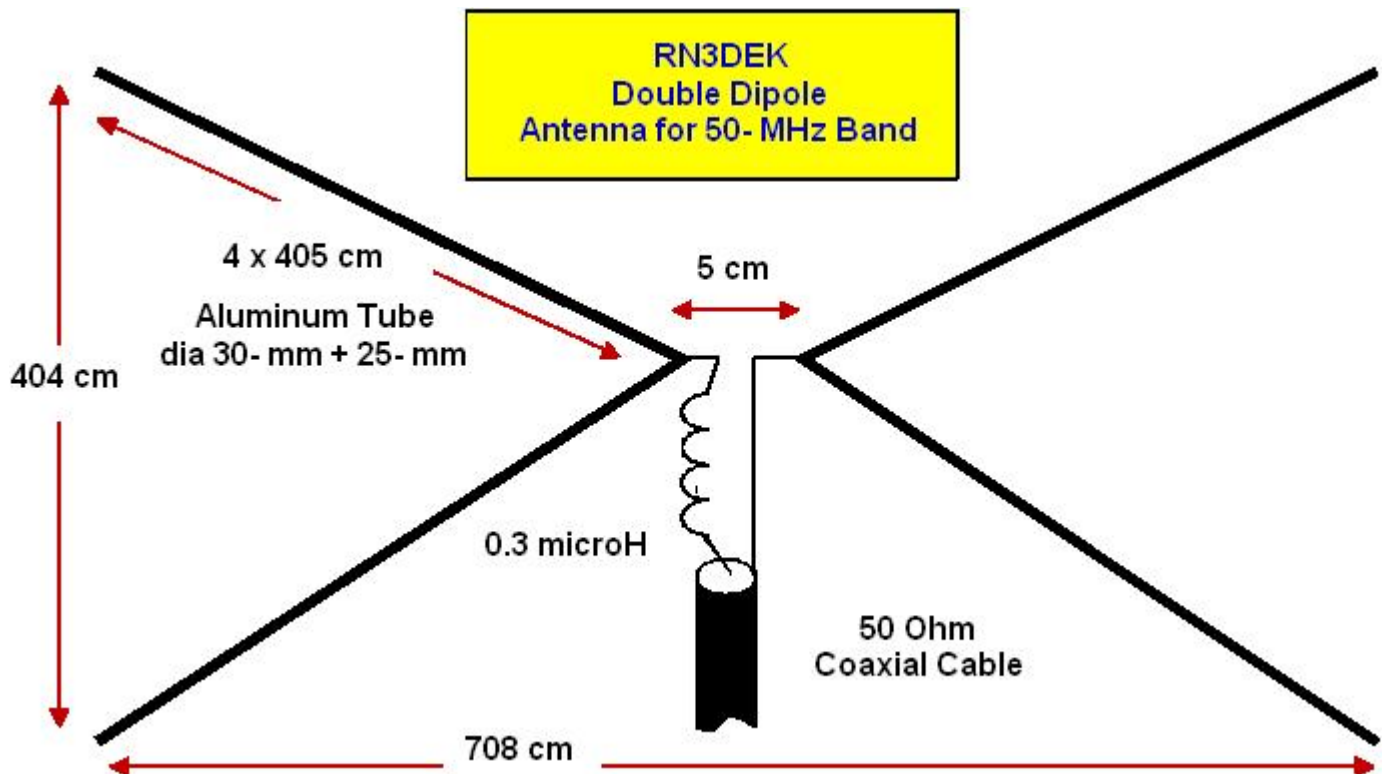
The Double Dipole Simple antenna with tapering elements is easy to do and easy to tune. The antenna has enough large sizes. However, diagram directivity of the antenna is similar to diagram directivity of two three element YAGI antennas placed in position reflector to reflector. Inductor at the antenna does match the antenna input impedance with 50- Ohm coaxial cable. Length of the jumper (it has 5- cm length) between the V- dipoles allows as well influence to the input impedance of the antenna. Double dipole antenna may be useful when there is place for installation of this one. Design of the Double Dipole Antenna shown on the **Figure 1**.

MMANA model shows antenna made from aluminum tube. Of course, it is possible use usual wire for the antenna. File MMANA allows play with the antenna according to the height above the ground and the material of the antenna.

**Figure 2** shows Z of the Double Dipole antenna for 50- MHz Band. **Figure 3** shows SWR of the Double Dipole antenna for 50- MHz Band. **Figure 4** shows DD of the Double Dipole antenna for 50- MHz Band.

**73! de RN3DEK**

The MMANA model of the Double Dipole Antenna for the 50- MHz Band may be downloaded at: [http:// www.antentop.org/025/RN3DEK\\_dub\\_dip\\_025.htm](http://www.antentop.org/025/RN3DEK_dub_dip_025.htm)



**Figure 1** RN3DEK Double Dipole antenna for the 50- MHz Band

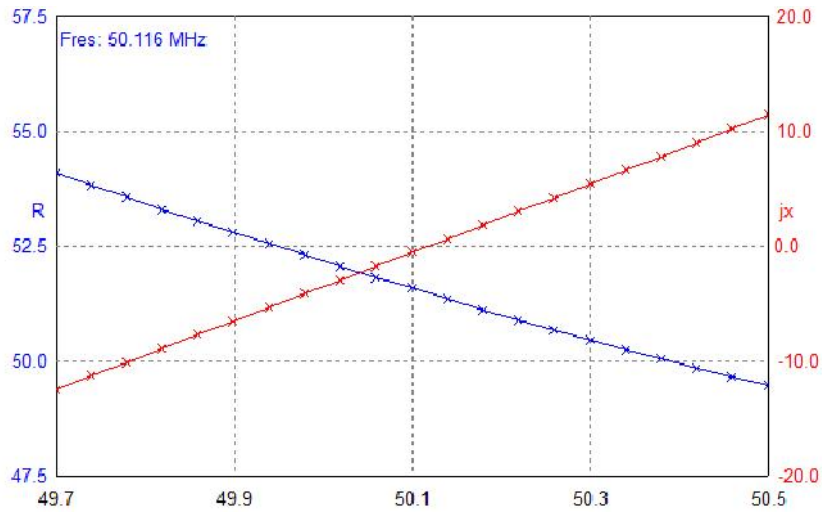


Figure 2 Z of the Double Dipole antenna for the 50- MHz Band

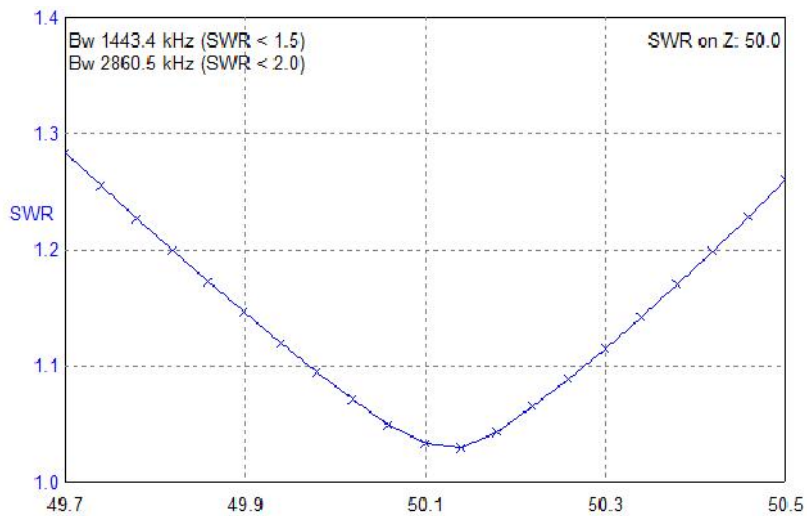


Figure 3 SWR of the Double Dipole antenna for the 50- MHz

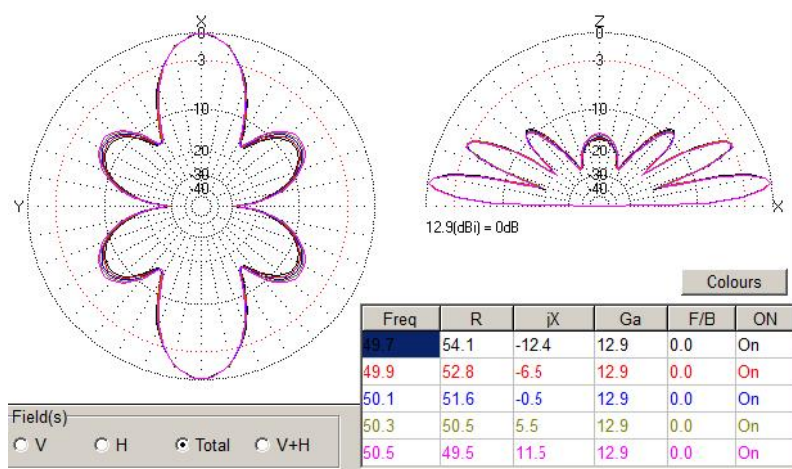


Figure 4 DD of the Double Dipole antenna for the 50- MHz Band