

Vertical Open Stub Antenna for the 40 and 20- meter Bands

The publication is devoted to the memory UR0GT.

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The antenna has enough good parameters at the 40 and 20 meter Bands. Antenna does not need any counterpoises. Antenna should place at some distance (say more the 1- meter) above the ground. To prevent radiation from the outer braid of the coaxial cable a good RF- Choke should be installed at the feeding terminals.

The MMANA model of the antenna may be loaded: [http:// www.antentop.org/015/vosa_015.htm](http://www.antentop.org/015/vosa_015.htm)

Credit Line: Forum from:
www.cqham.ru

Figure 1 shows design of the Vertical Open Stub Antenna for the 40 and 20- meter Band.

Figure 2 shows Z of the Vertical Open Stub Antenna for the 40 and 20- meter Band at the 40- meter Band (3- meter above the real ground) .

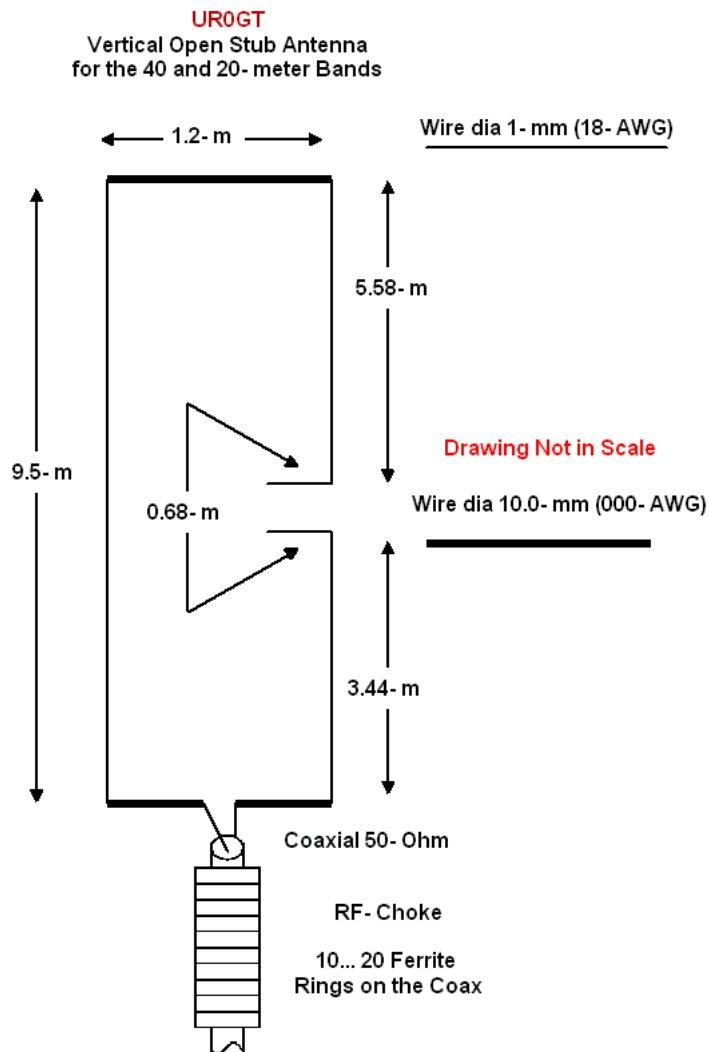


Figure 1 Design of the Vertical Open Stub Antenna for the 40 and 20- meter Band

Figure 3 shows SWR of the Vertical Open Stub Antenna for the 40 and 20- meter Band at the 40 meter Band (3- meter above the real ground).

Figure 4 shows DD of the Vertical Open Stub Antenna for the 40 and 20- meter Band at the 40 meter Band (3- meter above the real ground).

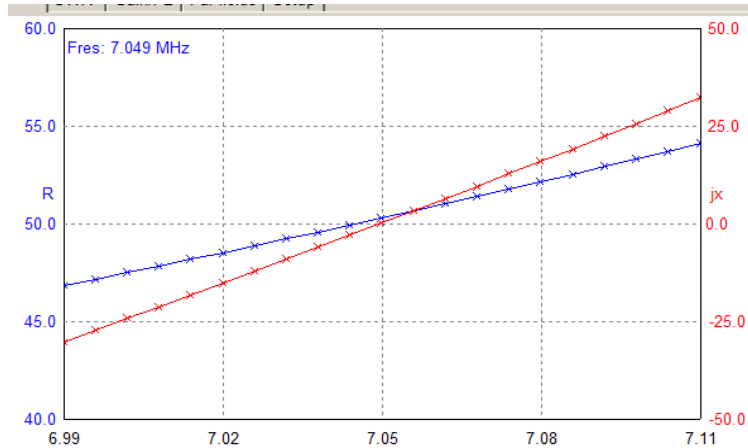


Figure 2 Z of the Vertical Open Stub Antenna for the 40 and 20- meter Band at the 40- meter Band (3- meter above the real ground)

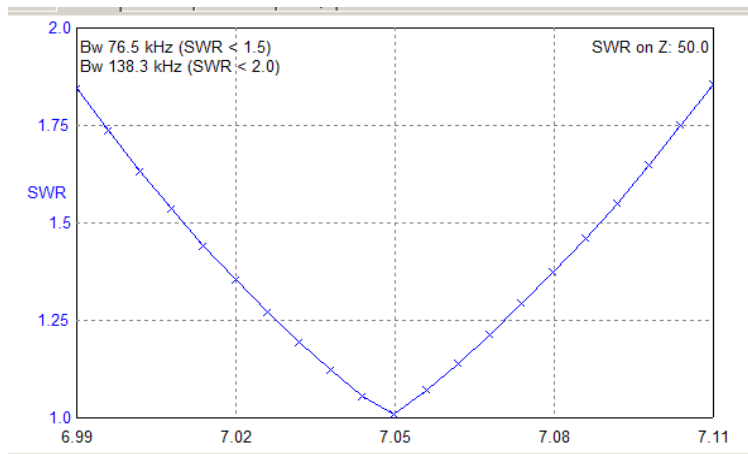


Figure 3 SWR of the Vertical Open Stub Antenna for the 40 and 20- meter Band at the 40 meter Band (3- meter above the real ground)

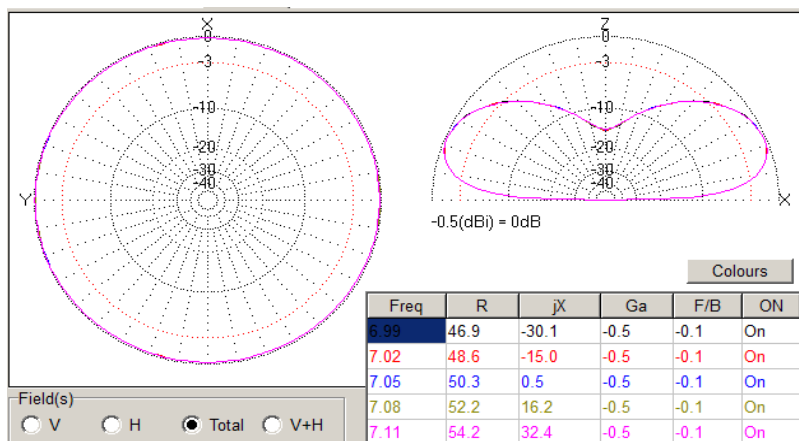


Figure 4 DD of the Vertical Open Stub Antenna for the 40 and 20- meter Band at the 40 meter Band (3- meter above the real ground)

Figure 5 shows Z of the Vertical Open Stub Antenna for the 40 and 20- meter Band at the 20- meter Band (3- meter above the real ground).
 Figure 6 shows SWR of the Vertical Open Stub Antenna for the 40 and 20- meter Band

at the 20 meter Band (3- meter above the real ground).
 Figure 7 shows DD of the Vertical Open Stub Antenna for the 40 and 20- meter Band at the 20 meter Band (3- meter above the real ground).

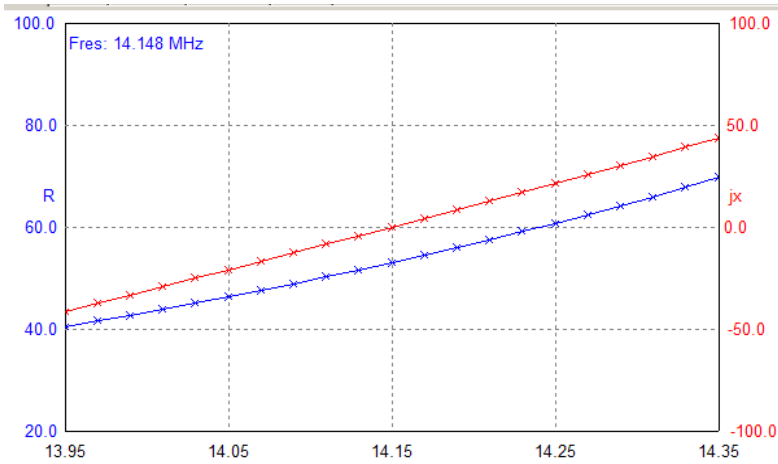


Figure 5 Z of the Vertical Open Stub Antenna for the 40 and 20- meter Band at the 20- meter Band (3- meter above the real ground)

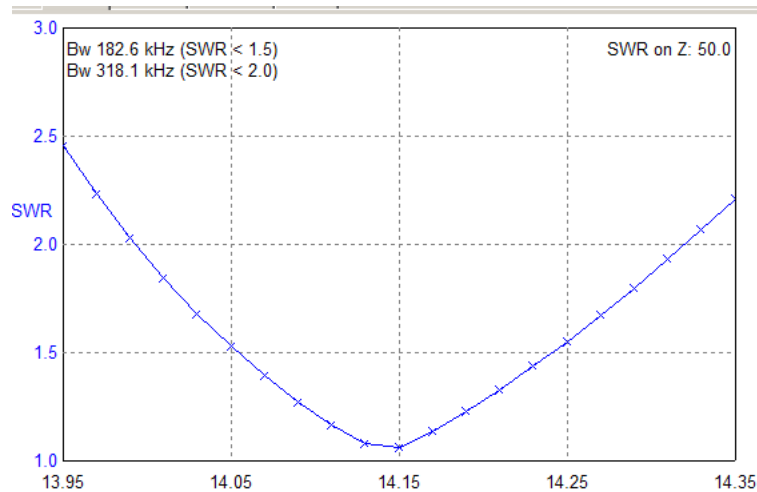
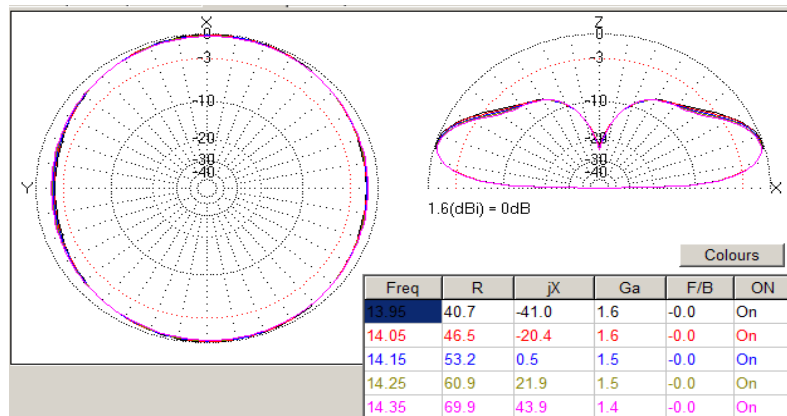


Figure 6 SWR of the Vertical Open Stub Antenna for the 40 and 20- meter Band at the 20 meter Band (3-



meter above the real ground)

Figure 7 DD of the Vertical Open Stub Antenna for the 40 and 20- meter Band at the 20 meter Band (3- meter above the real ground)