

Six Elements Antenna for the 70- cm Band

By: Yuriy Skutelis, RN3DEK
 Credit Line: Forum at cqham.ru

There is presented simple six element antenna for the 70- cm Band. Antenna has excellent SWR and F/B ratio. Antenna does not require follow to strictly dimension of the elements. So the antenna may be done ever by ham, who has no large experience in the antenna building.

The antenna has reflector with bent ends. It is done to improve F/B ratio. Anyway you may play with model of the antenna in MMANA and check what you could reach.

Antenna has 50- Ohm input impedance that allows feed the antenna directly by 50- Ohm coaxial cable. **Figure 1** shows schematic of the antenna. All elements of the antenna made of tube/rod in diameter 5- mm. It is possible use copper or aluminum stuff. Antenna has dielectric traverse. Dimensions are given in millimeter.

Figure 2 shows Z of the antenna. **Figure 3** shows SWR of the antenna. **Figure 4** shows DD of the antenna.

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MMANA File of the Six Elements Antenna for the 70- cm Band may be downloaded at:
http://www.antentop.org/021/RN3DEK_021.htm

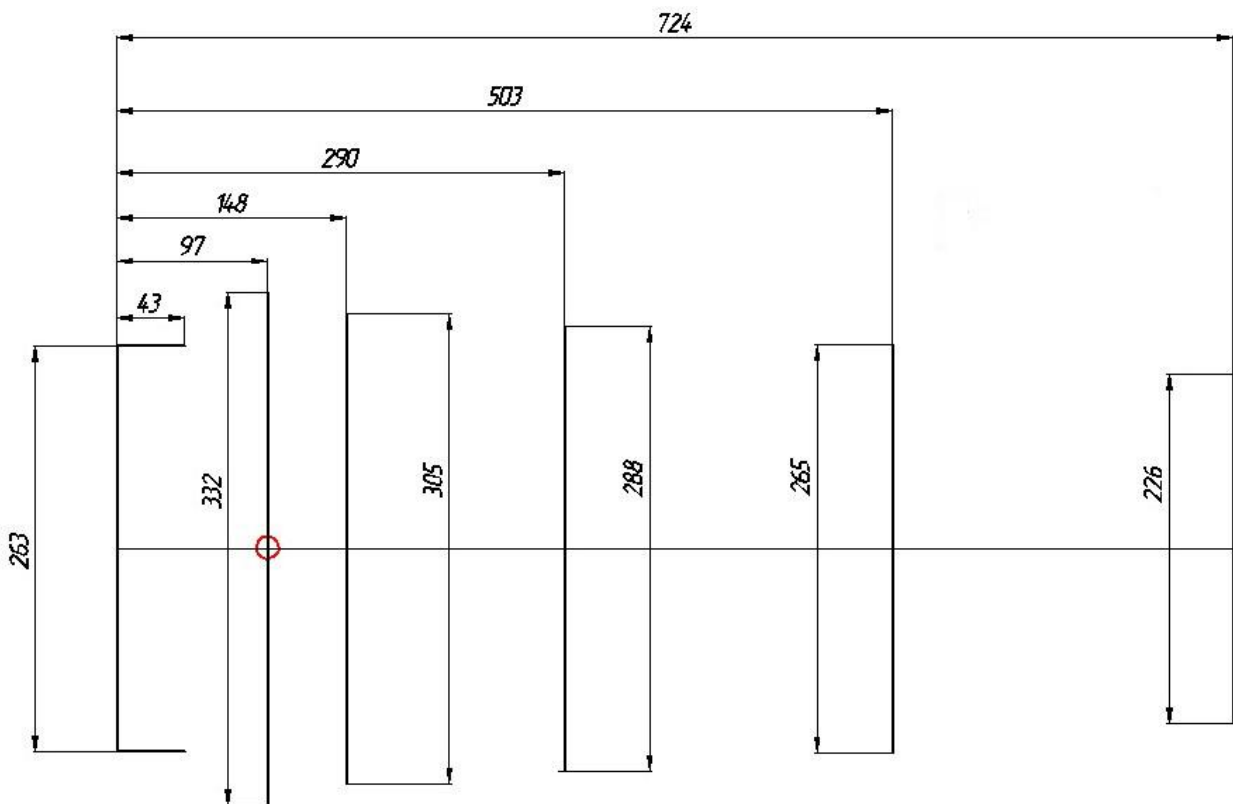


Figure 1
 Six Elements Antenna for the 70- cm Band

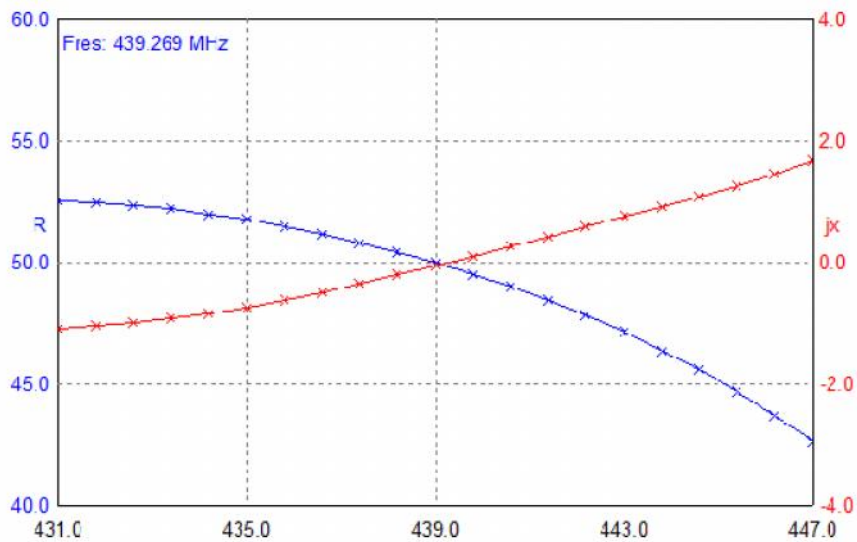


Figure 2 Z of the Six Elements Antenna for the 70- cm Band

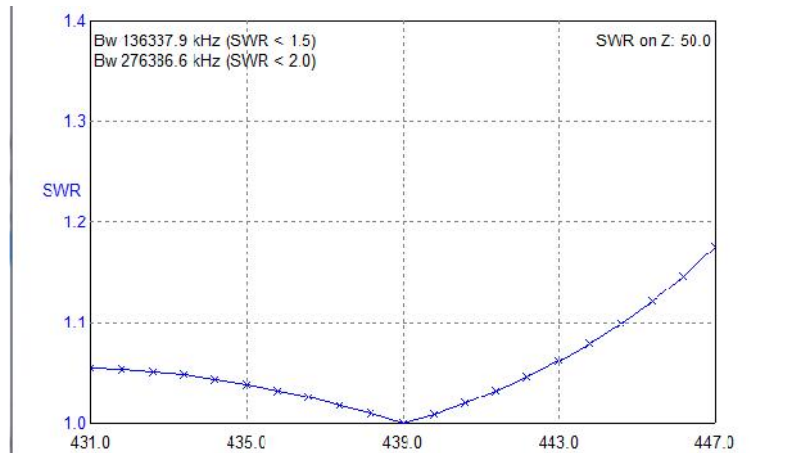


Figure 3 SWR of the Six Elements Antenna for the 70- cm Band

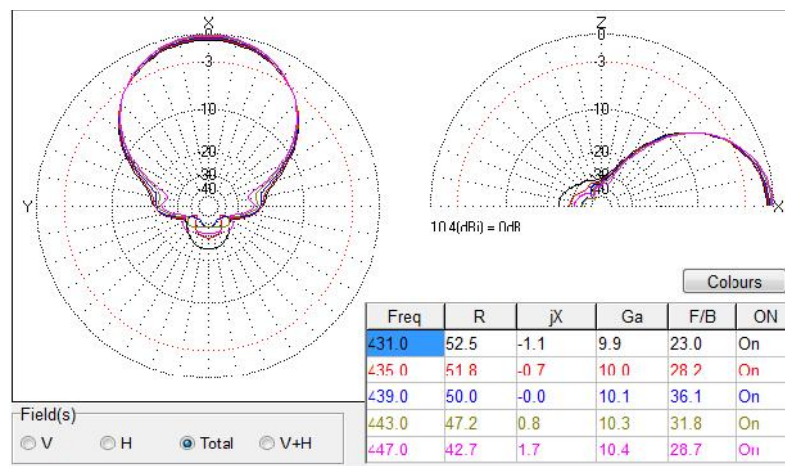


Figure 4 DD of the Six Elements Antenna for the 70- cm Band