

3- Element Broadband Antenna for the 145- MHz Band

The publication is devoted to the memory of UR0GT.

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By: Nikolay Kudryavchenko, UR0GT

The simple 3- Element Broadband Antenna for the 145- MHz Band has very stable parameters. Antenna has wide passband that makes the antenna not critical to implementation and to near environment. Antenna has SWR less the 1.5:1 in 11- MHz passband and SWR less the 2:1 in 21- MHz passband

Figure 2 shows Z of the 3- Element Broadband Antenna for the 145- MHz Band. **Figure 3** shows SWR of the 3- Element Broadband Antenna for the 145- MHz Band. **Figure 4** shows DD of the 3- Element Broadband Antenna for the 145- MHz Band.

73! Nick, UR0GT

Design of the 3- Element Broadband Antenna for the 145- MHz Band is shown on **Figure 1**.

The antenna may be made of wire in diameter 1-- 3- mm (not critical). Antenna has high gain, does not require adjustments.

The MMANA model of the 3- Element Broadband Antenna for the 145- MHz Band may be loaded: [http:// www.antentop.org/022/3el_145_ur0gt_022.htm](http://www.antentop.org/022/3el_145_ur0gt_022.htm)

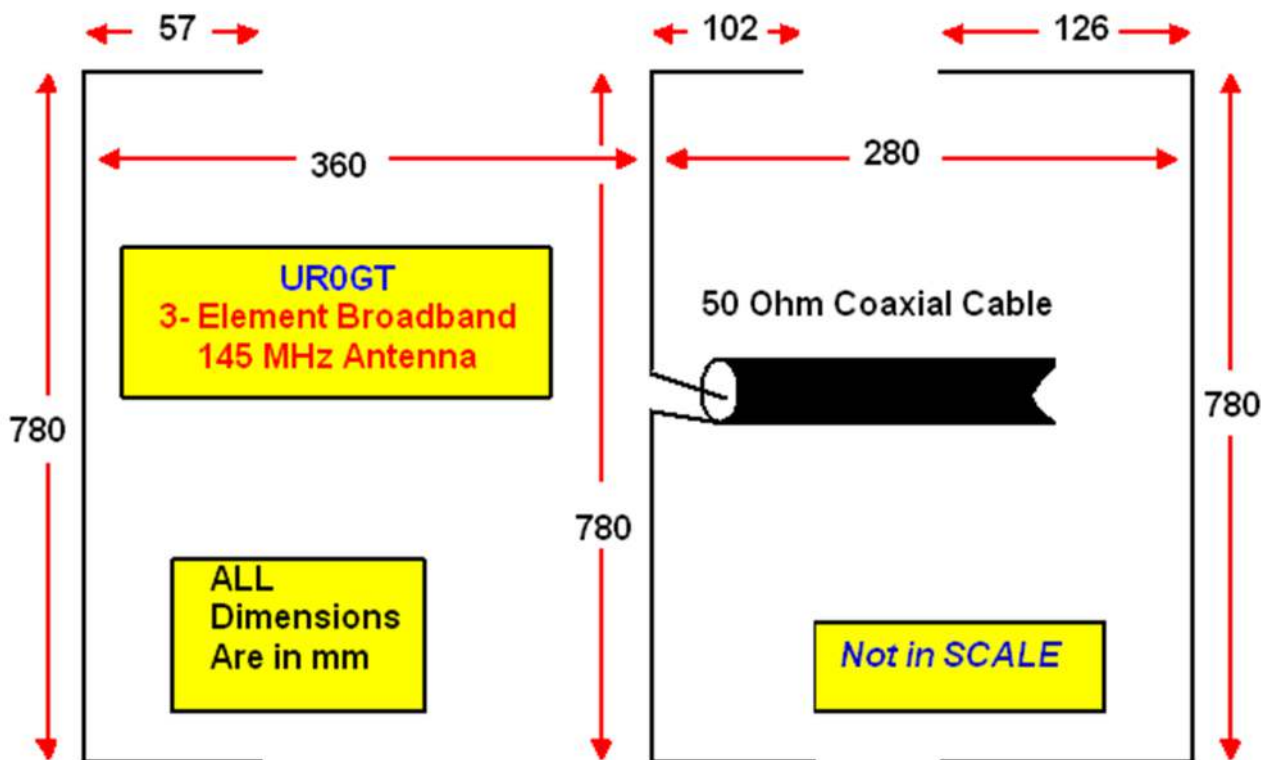


Figure 1

3- Element Broadband Antenna for the 145- MHz Band

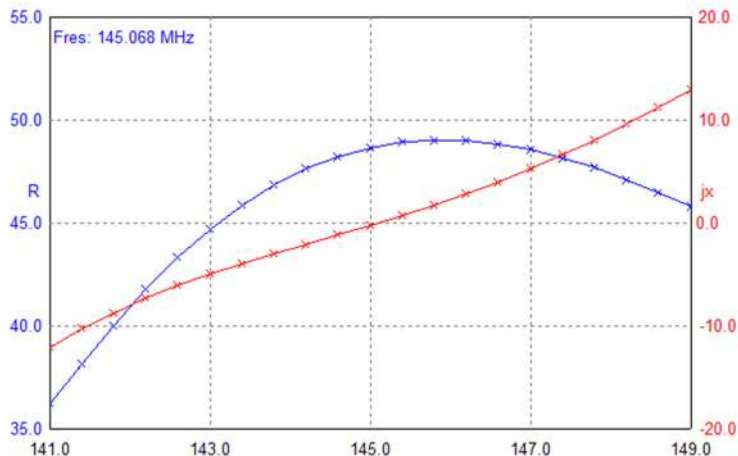


Figure 2

Z of the 3- Element Broadband Antenna for the 145- MHz Band

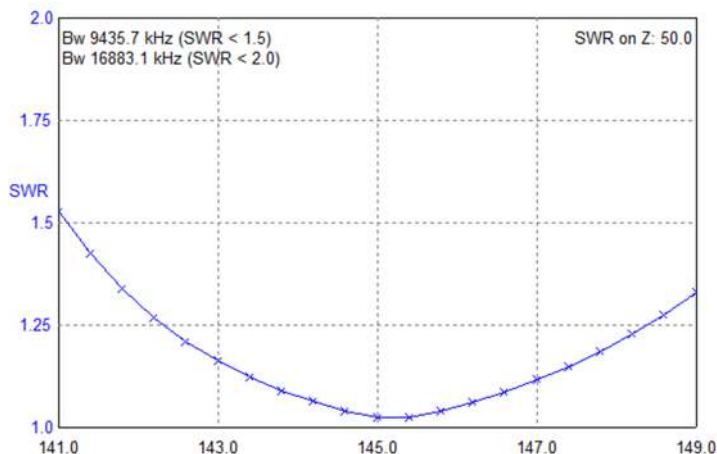


Figure 3

SWR of the 3- Element Broadband Antenna for the 145- MHz Band

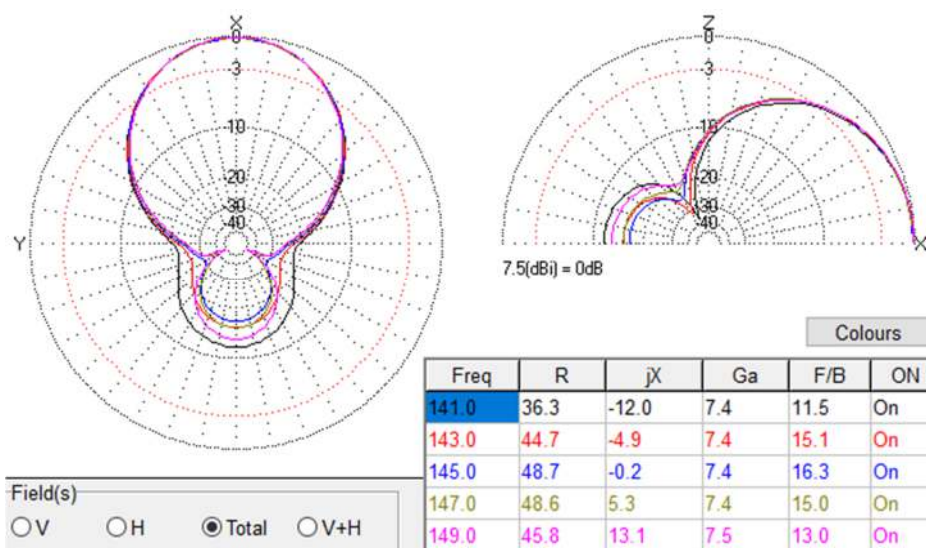


Figure 4

DD of the 3- Element Broadband Antenna for the 145- MHz Band