

UR0GT Chireix- Mesny Antenna for the 1295 MHz

The publication is devoted to the memory UR0GT.

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Chireix- Mesny antenna may be used for operation on 1295 MHz. Design of the antenna is shown in **Figure 1**. The antenna has wide pass band- 290 MHz at SWR less the 1.5:1. So it is not strictly demand to keep the sizes as shown in the drawing. Antenna has input impedance 200 Ohm so it is possible match the antenna with 50- Ohm coaxial cable with help of 4:1 transformer.

It is possible to bridge four such antennas to feed the system with 50- Ohm coaxial cable. In this case DD of the system would be narrow compare to one element antenna. Antenna may be made from almost any stuff, copper, aluminum or stainless wire. You may play with model to see how the parameters will be changed depends on the used stuff.

Figure 2 shows Z of the UR0GT Chireix- Mesny Antenna for the 1295 MHz. **Figure 3** shows SWR of the UR0GT Chireix- Mesny Antenna for the 1295 MHz. **Figure 4** shows DD of the UR0GT Chireix- Mesny Antenna for the 1295 MHz.

73 Nick, UR0GT

You could find some more information on Chireix- Mesny Antenna that published in AntenTop magazine:

1. Horizontal Antenna with Vertical Polarization for the 2- meter Band

http://www.antentop.org/018/rw4hx_018.htm

2. Chireix- Mesny TV Antenna

http://www.antentop.org/018/chireix_018.htm

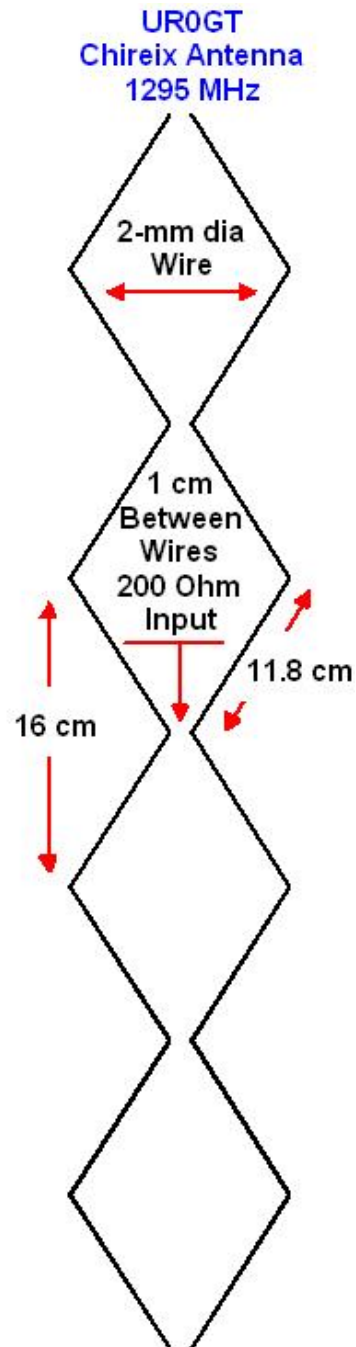


Figure 1 UR0GT Chireix- Mesny Antenna for the 1295 MHz

The two MMANA models of the UR0GT Chireix- Mesny Antenna for the 1295 MHz may be loaded: http://www.antentop.org/021/1295_ur0gt_021.htm

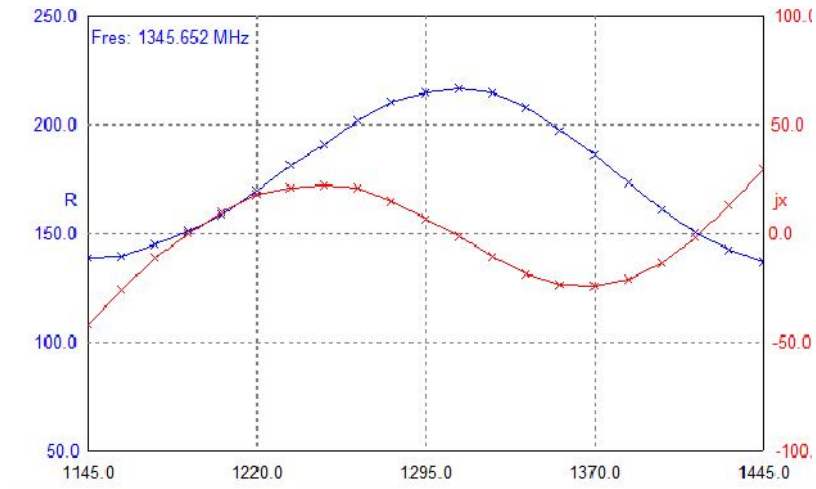


Figure 2
Z of the UR0GT Chireix- Mesny Antenna for the 1295 MHz

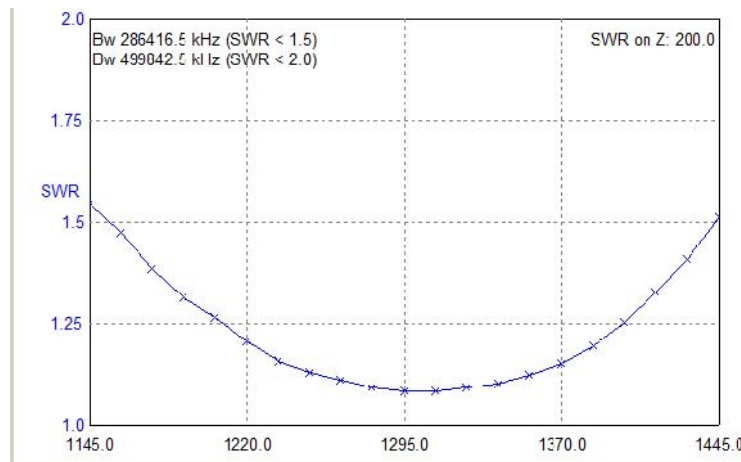


Figure 3
SWR of the UR0GT Chireix- Mesny Antenna for the 1295 MHz

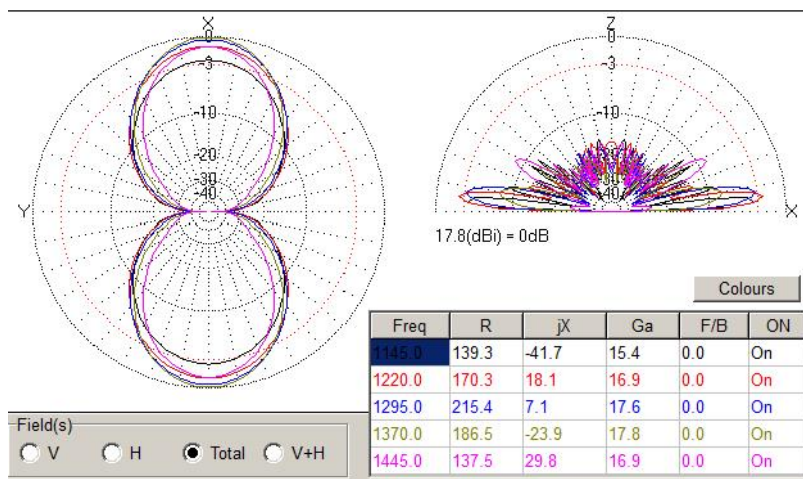


Figure 4
DD of the UR0GT Chireix- Mesny Antenna for the 1295 MHz