

Chireix- Mesny TV Antenna

The publication is devoted to the memory R0GT.

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The simple broadband TV antenna works at the 615-765- MHz. Antenna has input impedance 300- Ohm at the pass band. Antenna may be used with antenna amplifier that has such input impedance.

The antenna is a variant of the famous Chireix- Mesny Antenna.

Antenna may be used with coaxial cable with broadband transformer. switched to the TV 150- MHz.

Figure 1 shows design of the antenna. **Figure 2** shows impedance of the antenna (antenna placed at 7- meter above the real ground). **Figure 3** shows SWR of the antenna (antenna placed at 7- meter above the real ground). **Figure 4** shows DD of the antenna (antenna placed at 7- meter above the real ground).

The MMANA model of the Chireix- Mesny TV Antenna may be loaded: [http:// www.antentop.org/018/chireix_018.htm](http://www.antentop.org/018/chireix_018.htm)

Note I.G.: Chireix- Mesny Antenna was designed in France by Henri Chireix, Chief Engineer of the Societe Francaise Radioteletrique, and Rene Mesny, Professor of Hydrography in the French Navy. Papers on the antenna were published (in different variations) in the 1926- 1928s. Patent H. Chireix: French Patent # 216,757, filed Mar. 10, 1926.

Antenna originally was used for directive radiation and reception at short waves. Lately the antenna was widely used at VHF- UHF waves.

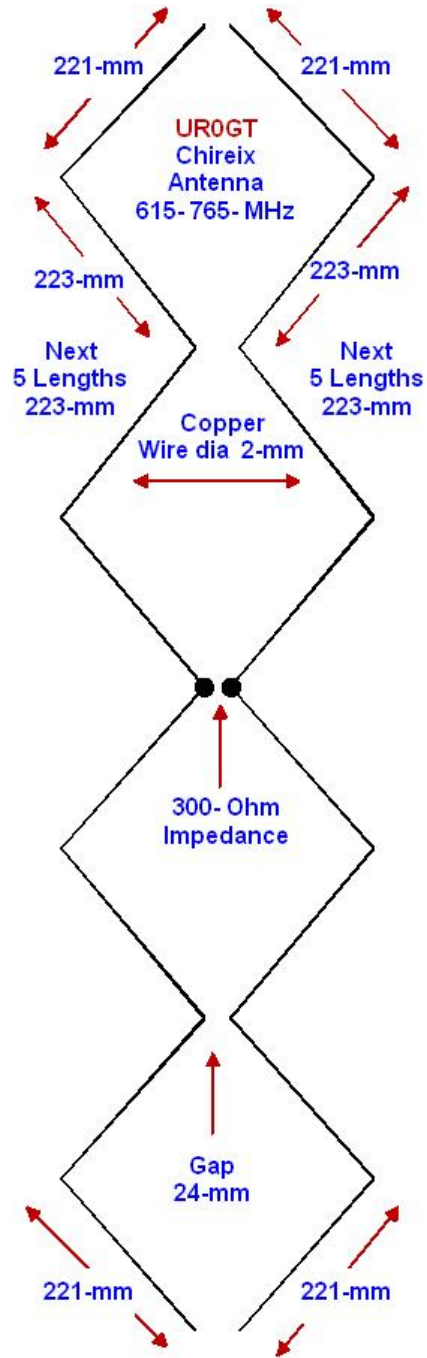


Figure 1 Design of the Chireix- Mesny TV Antenna

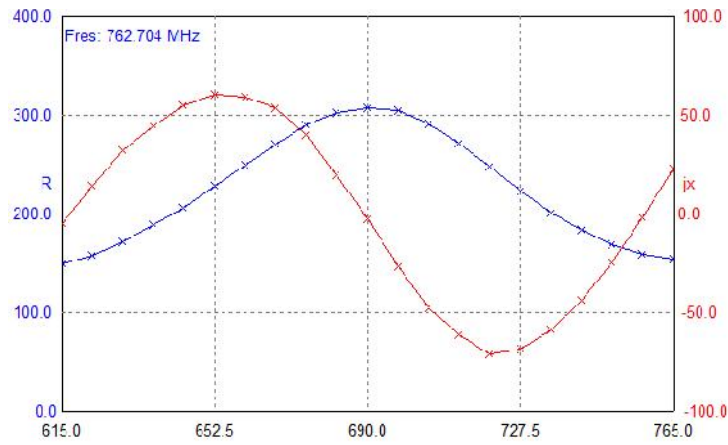


Figure 2 impedance of the Chireix- Mesny TV Antenna

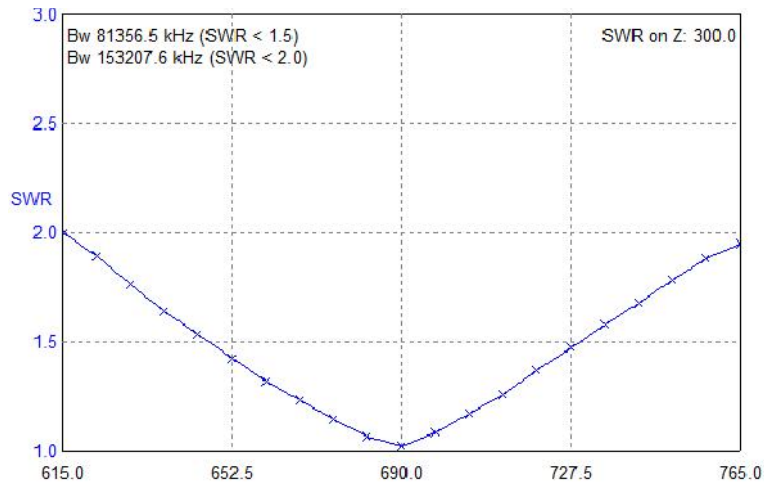


Figure 3 SWR of the Chireix- Mesny TV Antenna

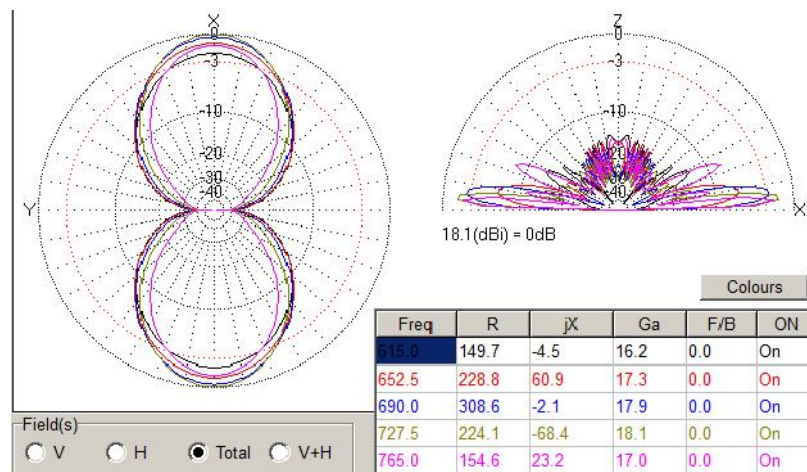


Figure 4 DD of the Chireix- Mesny TV Antenna

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