

Broadband TV Antenna

The publication is devoted to the memory UR0GT.

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The simple broadband TV antenna works at the 580-760- MHz. Passband of the antenna is 180- MHz. Antenna has input impedance 300- Ohm at the pass band. Antenna may be used with antenna amplifier that has such input impedance. Antenna may be used with coaxial cable with broadband transformer.

The antenna is critical to any nearby metal subjects. They can destroy the DD of the antenna. Space in 50 cm near the antenna should be free from such metal or conductive subjects. If antenna is used for reception purposes the best way is place low noise amplifier at the antenna terminal.

Figure 1 shows view of the antenna. **Figure 2** shows design of the antenna. **Figure 3** shows impedance of the antenna (antenna placed at 7- meter above the real ground). **Figure 4** shows SWR of the antenna (antenna placed at 7- meter above the real ground). **Figure 5** shows DD of the antenna (antenna placed at 7- meter above the the real ground).

The MMANA model of the Broadband TV Antenna may be loaded: http://www.antentop.org/018/ur0gt_tv_018.htm



Figure 2 Design of the Broadband TV Antenna

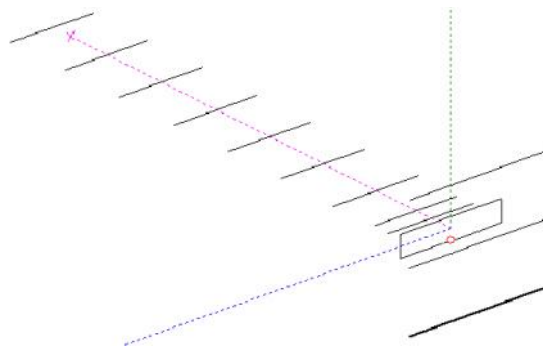


Figure 1 View of the Broadband TV Antenna

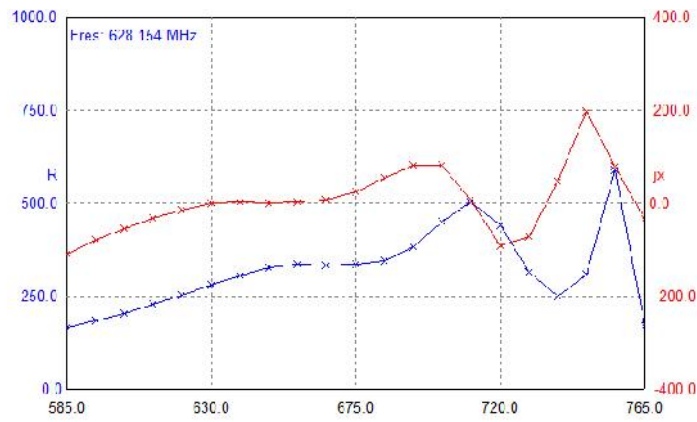


Figure 3 impedance of the Broadband TV Antenna

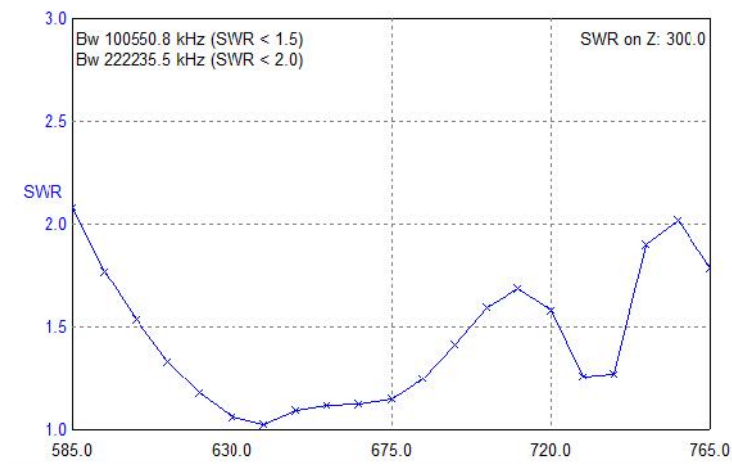


Figure 4 SWR of the Broadband TV Antenna

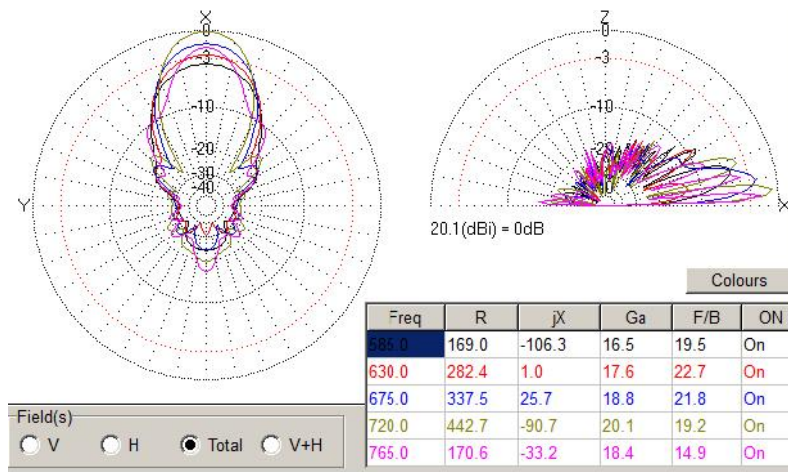


Figure 5 DD of the Broadband TV Antenna

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