

# UR0GT Dual Band Antenna for the 145 and 435- MHz Band

The publication is devoted to the memory of UR0GT.

Credit Line: Forum from: [www.cqham.ru](http://www.cqham.ru)

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The simple dual band antenna for 145 and 435- MHz band is easy to do and almost does not required tuning. Only tuning is to change angle of the counterpoises to make exact match with 50- Ohm coaxial cable. Antenna maybe installed on the top of a mast, on balcony rail or at any suitable place. Figure 1 shows design of the antenna.

Figure 2 shows Z of the Dual Band Antenna for 145 and 435- MHz at 145- MHz Band. Figure 3 shows SWR of the Dual Band Antenna for 145 and 435- MHz at 145- MHz Band. Figure 4 shows DD of the Dual Band Antenna for 145 and 435- MHz at 145- MHz Band.

Coaxial cable going through vibrator of the antenna. RF choke- it is 5 to 10 ferrite beads, should be installed at the cable.

Figure 5 shows Z of the Dual Band Antenna for 145 and 435- MHz at 435- MHz Band. Figure 6 shows SWR of the Dual Band Antenna for 145 and 435- MHz at 435- MHz Band. Figure 7 shows DD of the Dual Band Antenna for 145 and 435- MHz at 435- MHz Band

73! Nick, UR0GT

The MMANA model of the Dual Band Antenna for 145 and 435- MHz Band may be loaded: [http:// www.antentop.org/022/145\\_435\\_UR0GT\\_022.htm](http://www.antentop.org/022/145_435_UR0GT_022.htm)

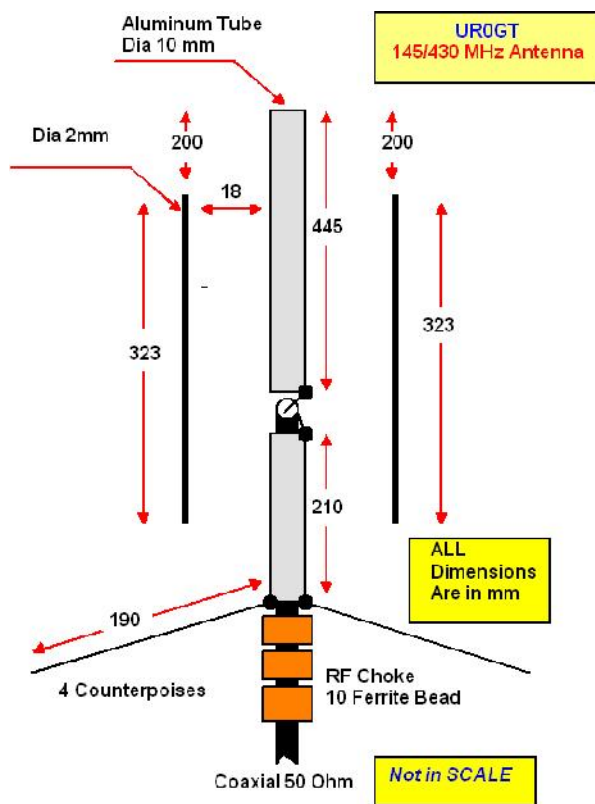


Figure 1 Dual Band Antenna for 145 and 435- MHz at 145- MHz Band

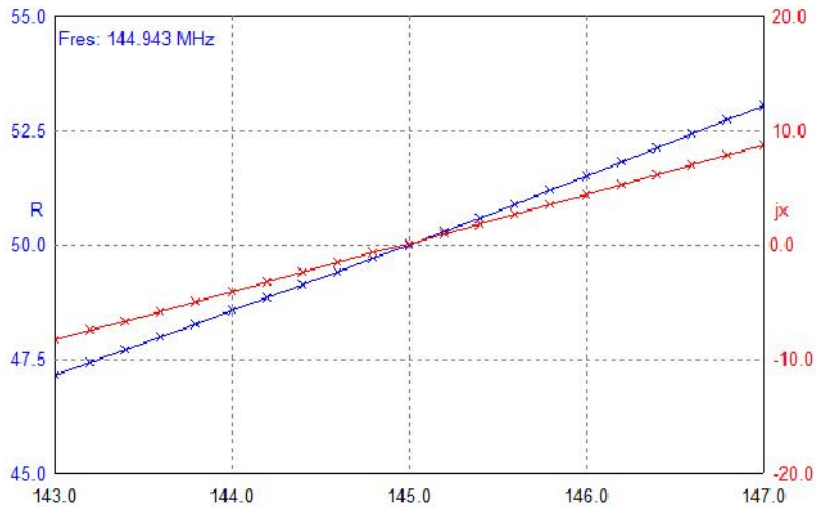


Figure 2

Z of the Dual Band Antenna for 145 and 435- MHz at 145- MHz Band

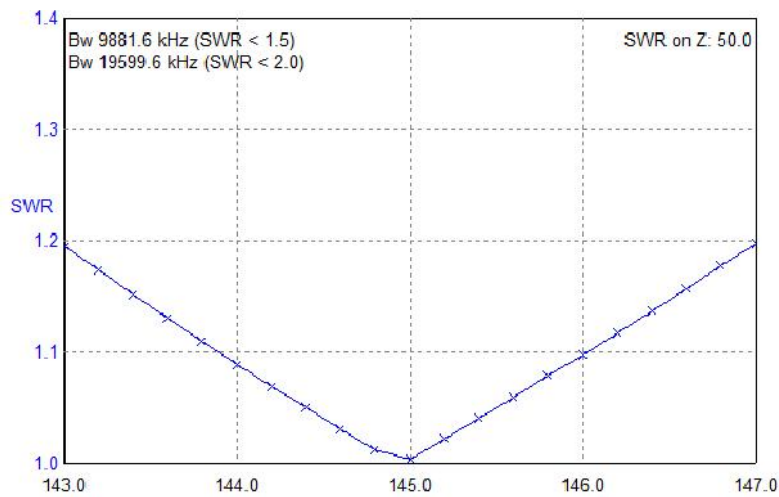


Figure 3

SWR of the Dual Band Antenna for 145 and 435- MHz at 145- MHz Band

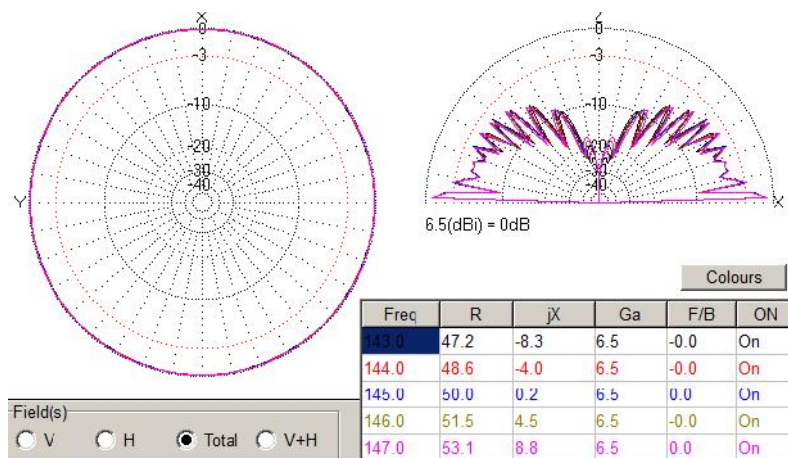


Figure 4

DD of the Dual Band Antenna for 145 and 435- MHz at 145- MHz Band

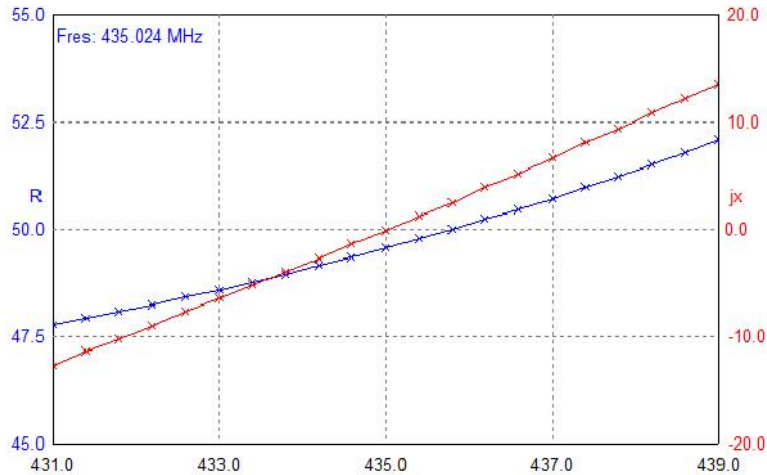


Figure 5

Z of the Dual Band Antenna for 145 and 435- MHz at 435- MHz Band

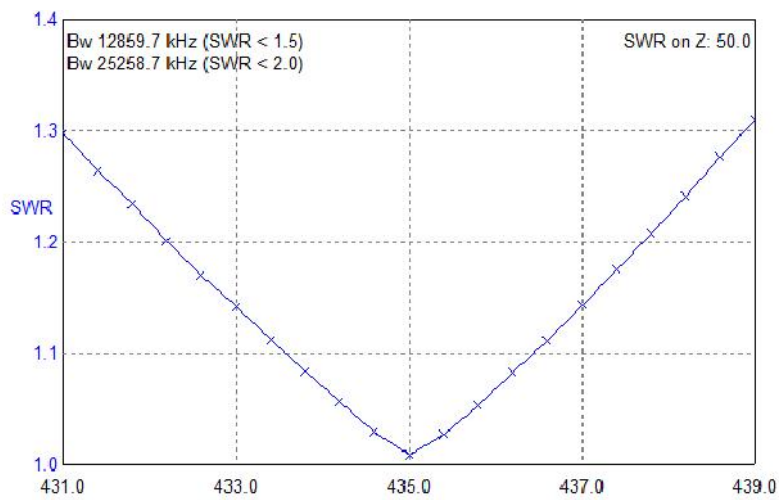


Figure 6

SWR of the Dual Band Antenna for 145 and 435- MHz at 435- MHz Band

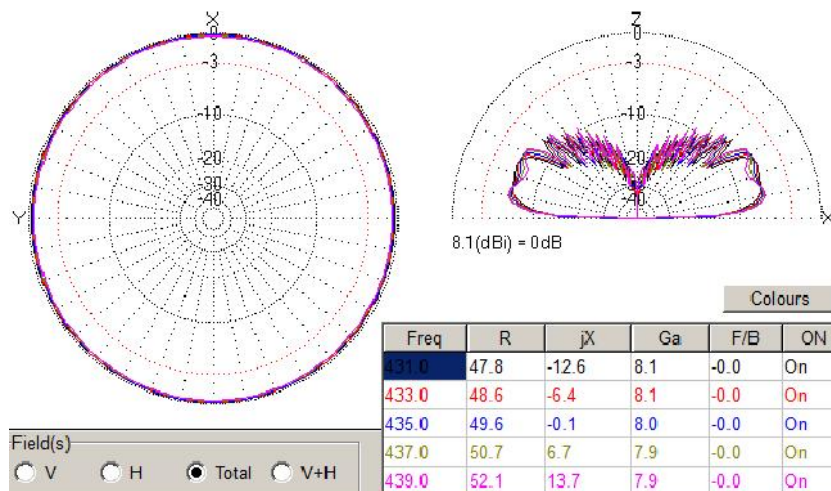


Figure 7

DD of the Dual Band Antenna for 145 and 435- MHz at 435- MHz Band