

Car Antenna for the 435- MHz

The publication is devoted to the memory UR0GT.

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The Car Antenna for the 435- MHz has very good parameters- circle DD in Horizon Plane and small angle lobe at Vertical Plane. Antenna has input impedance 50- Ohm. Antenna has wide pass band.

Ground of the antenna should be connected to metal part of the Magnet Base. The capacitance between the magnet Base and Car body is enough for good performance of the antenna. Antenna should be placed at the center body of the car- it may be roof of trunk of the car.

Of course, the antenna may be done in base variant with usual lambda/4 counterpoises. Figure 1 shows two versions of the antenna- - short and long ones.

Figure 2 shows impedance of the short Car Antenna for the 435- MHz. Figure 3 shows SWR of the short Car Antenna for the 435- MHz. Figure 4 shows DD of the short Car Antenna for the 435- MHz.

Figure 5 shows impedance of the long Car Antenna for the 435- MHz. Figure 6 shows SWR of the long Car Antenna for the 435- MHz. Figure 7 shows DD of the long Car Antenna for the 435- MHz.

The MMANA file of the Car Antenna for the 435- MHz may be loaded at: http://www.antentop.org/018/car_antenna_018.htm

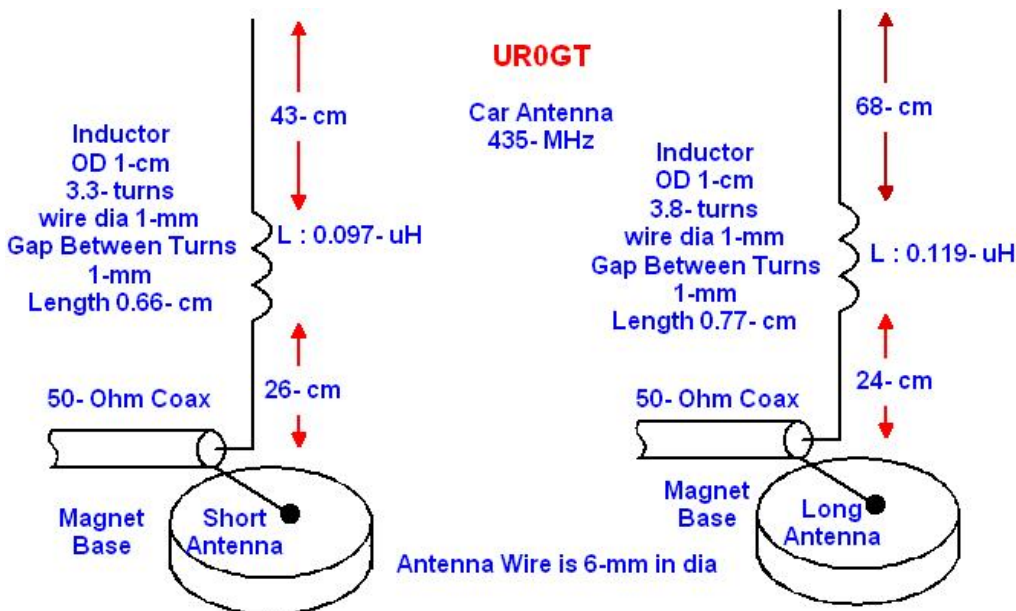


Figure 1 Car Antenna for the 435- MHz



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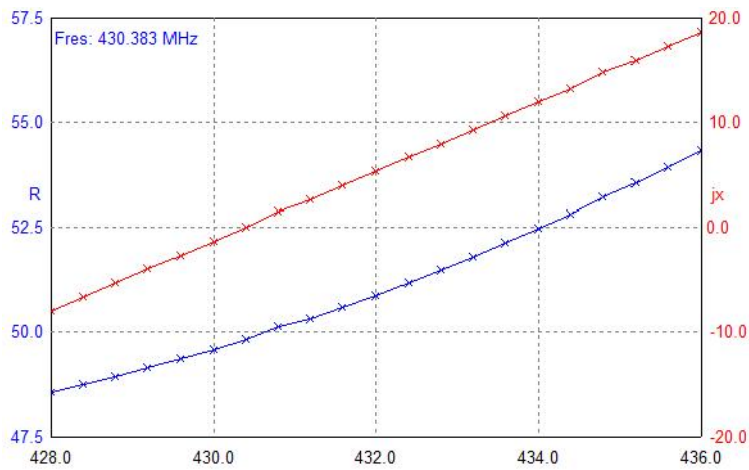


Figure 2 impedance of the Short Car Antenna for the 435- MHz

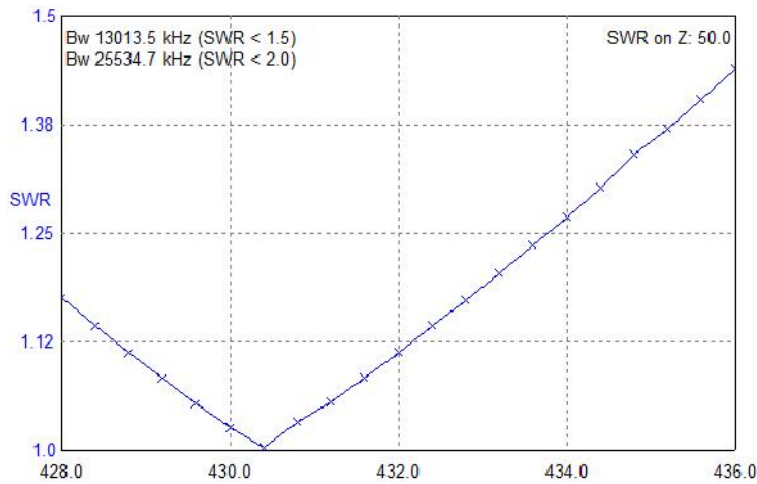


Figure 3 SWR of the Short Car Antenna for the 435- MHz

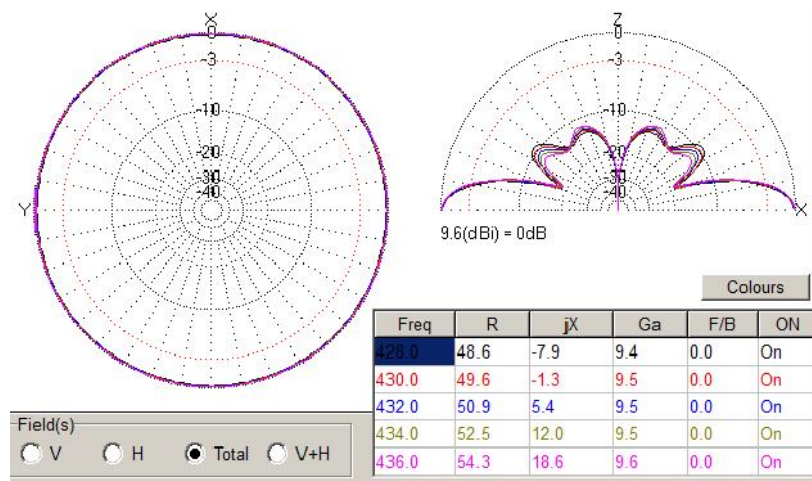


Figure 4 DD of the Short Car Antenna for the 435- MHz

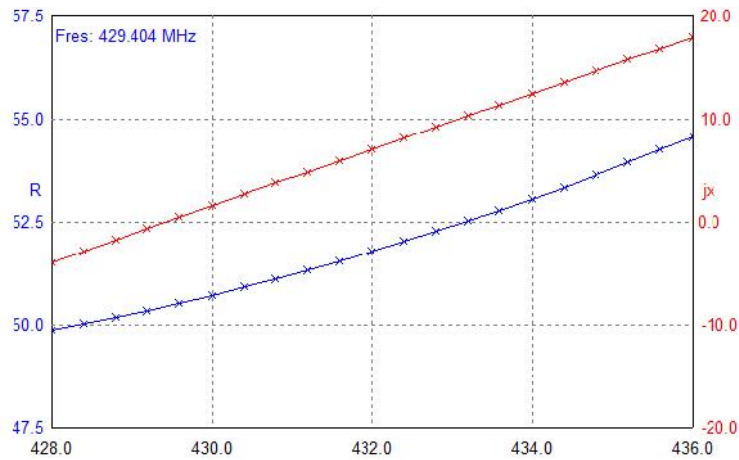


Figure 5 impedance of the Long Car Antenna for the 435- MHz

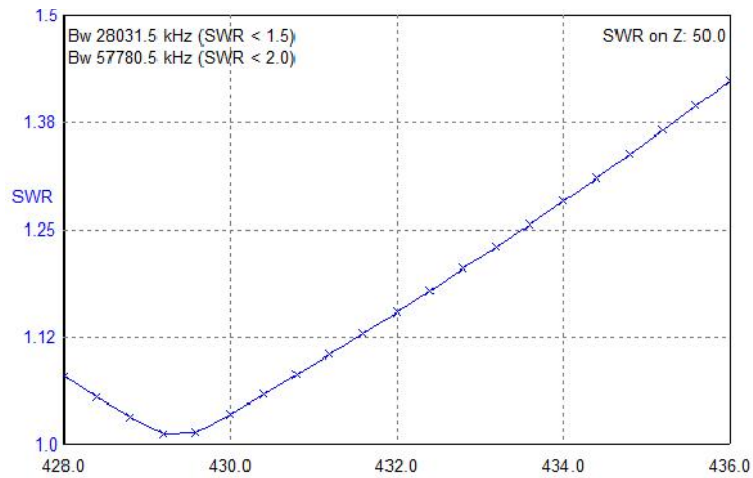


Figure 6 SWR of the Long Car Antenna for the 435- MHz

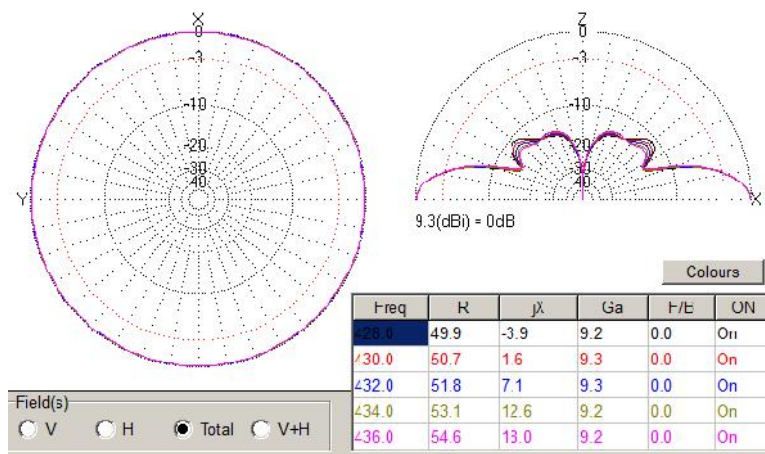


Figure 7 DD of the Long Car Antenna for the 435- MHz

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