Half Loop Antenna for the 80,- 40,- 20,- and 15- meter Bands

The publication is devoted to the memory UR0GT.

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Credit Line: Forum from: www.cqham.ru

It is very simple and efficiency antenna that works in several amateurs bands- 80,- 40,- 20,- and 15- meters. The antenna has input impedance 75 – Ohm. **Figure 1** shows design of the antenna.

The MMANA model of the Half Loop for the 80-, 40,- 20,- and 15- meter Bands may be loaded: http: // www.antentop.org/016/hl_016.htm

Figure 2 shows input impedance of the antenna on the 80- meter Band. **Figure 3** shows SWR of the antenna on the 80- meter Band. **Figure 4** shows DD of the antenna on the 80- meter Band.

Figure 5 shows input impedance of the antenna on the 40- meter Band. **Figure 6** shows SWR of the antenna on the 40- meter Band. **Figure 7** shows DD of the antenna on the 40- meter Band.

Figure 8 shows input impedance of the antenna on the 20- meter Band. **Figure 9** shows SWR of the antenna on the 20- meter Band. **Figure 10** shows DD of the antenna on the 20- meter Band.

Figure 11 shows input impedance of the antenna on the 15- meter Band. **Figure 12** shows SWR of the antenna on the 15- meter Band. **Figure 13** shows DD of the antenna on the 15- meter Band.

73 Nick

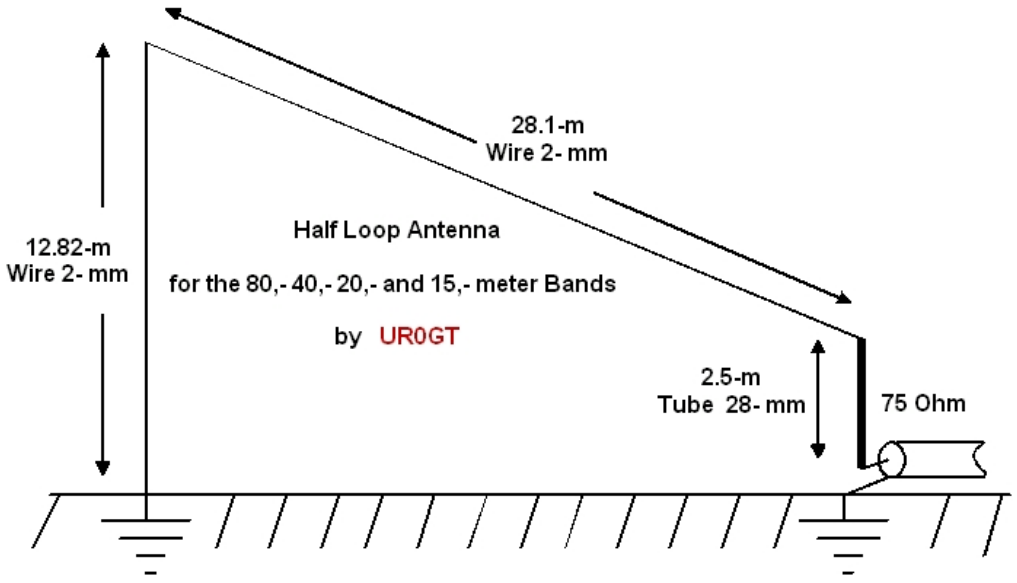

Figure 1 Design of the Half Loop for the 80-, 40,- 20,- and 15- meter Bands

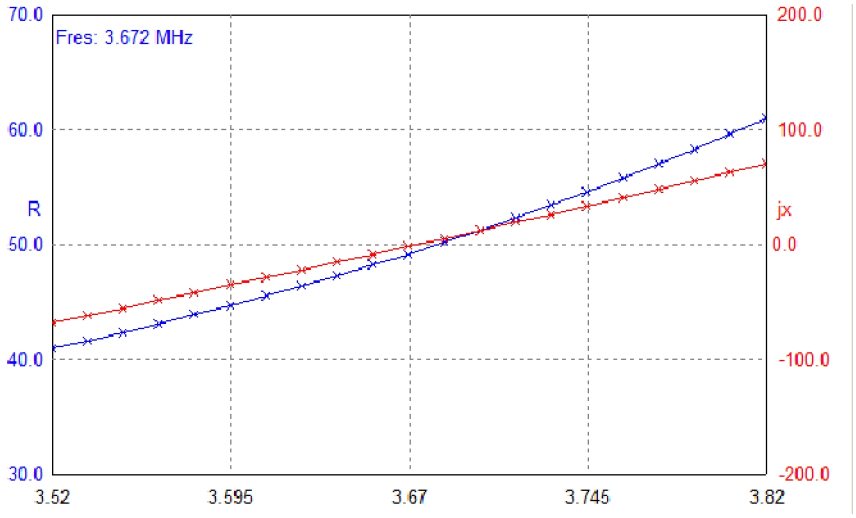

Figure 2 Input impedance of the Half Loop Antenna on the 80- meter Band

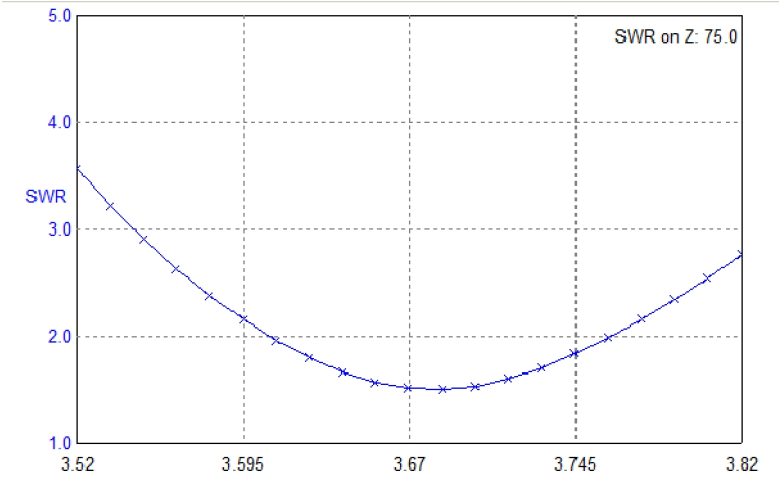

Figure 3 SWR of the Half Loop Antenna on the 80- meter Band

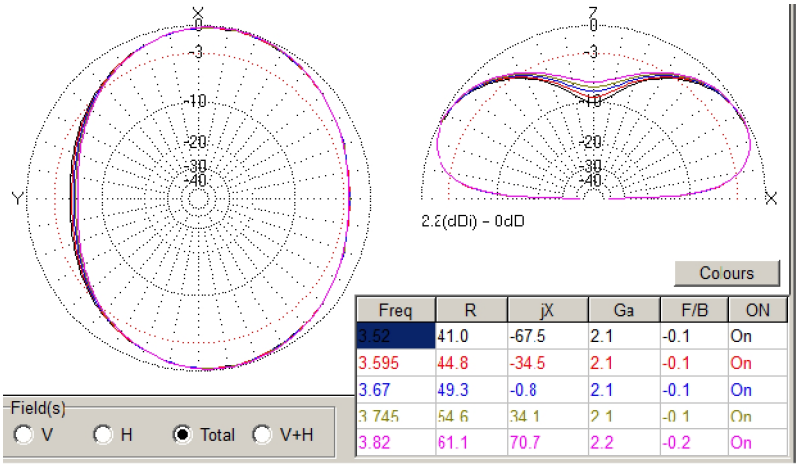

Figure 4 DD of the Half Loop Antenna on the 80- meter Band

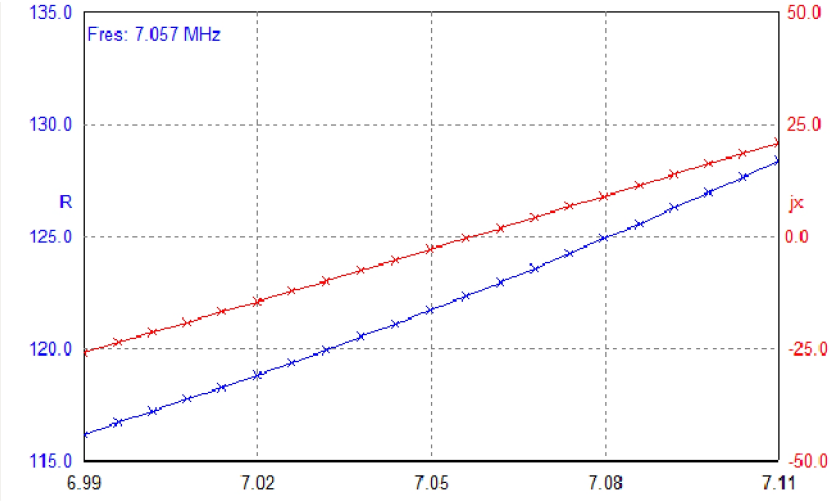

Figure 5 Input impedance of the Half Loop Antenna on the 40- meter Band

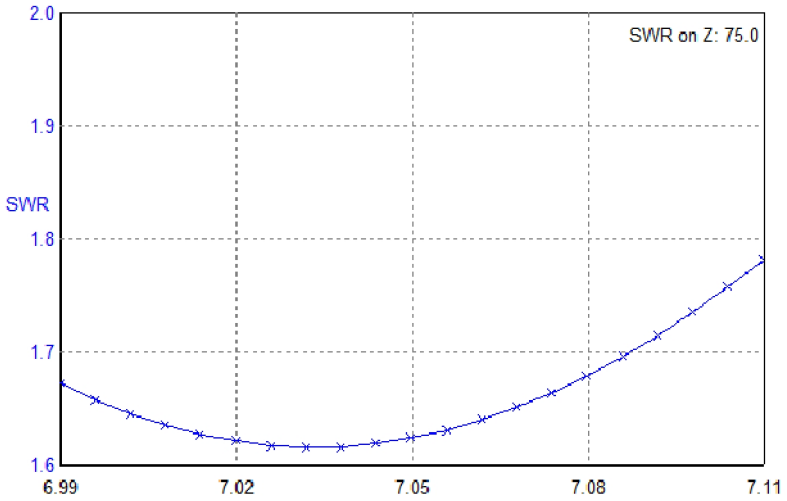

Figure 6 SWR of the Half Loop Antenna on the 40- meter Band

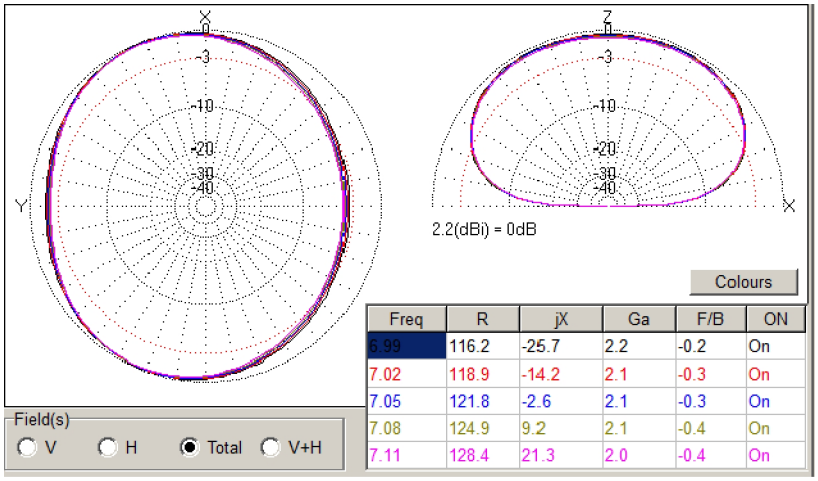

Figure 7 DD of the Half Loop Antenna on the 40- meter Band

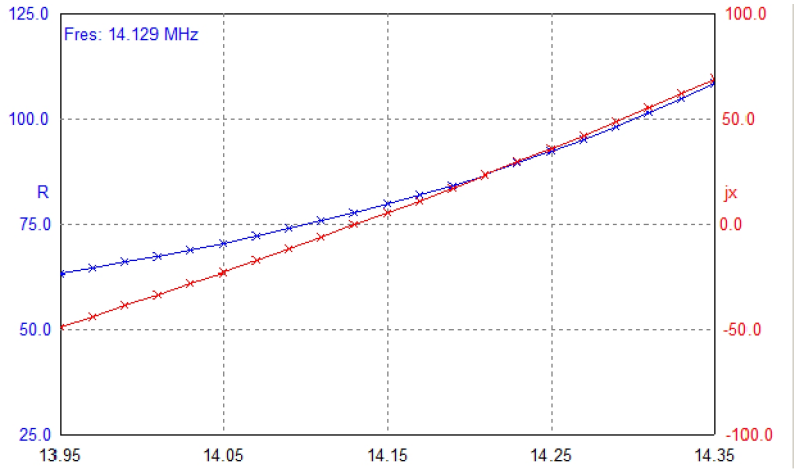

Figure 8 Input impedance of the Half Loop Antenna on the 20- meter Band

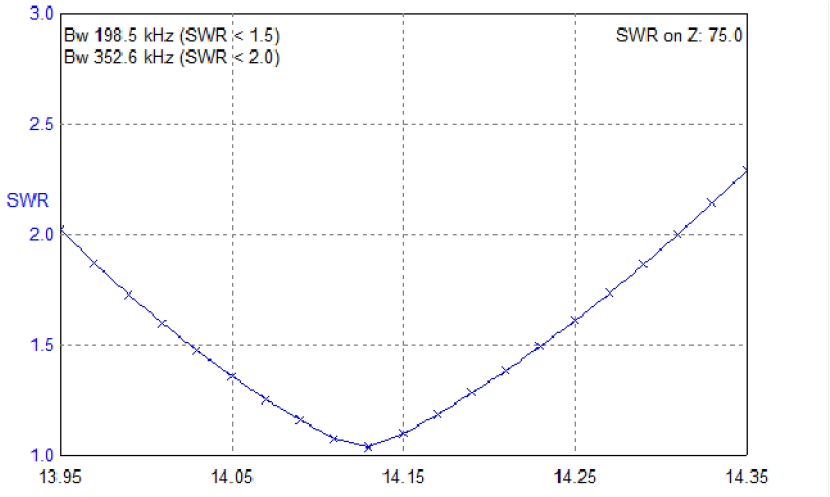

Figure 9 SWR of the Half Loop Antenna on the 20- meter Band

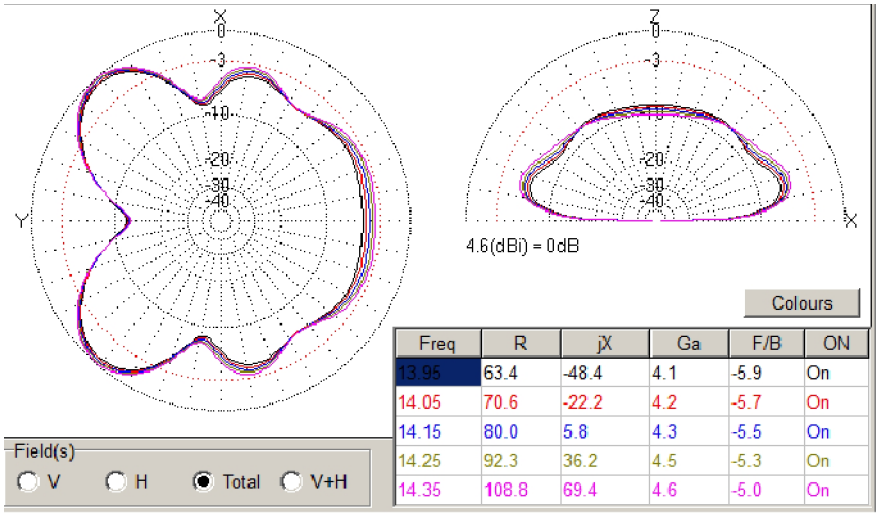

Figure 10 DD of the Half Loop Antenna on the 20- meter Band

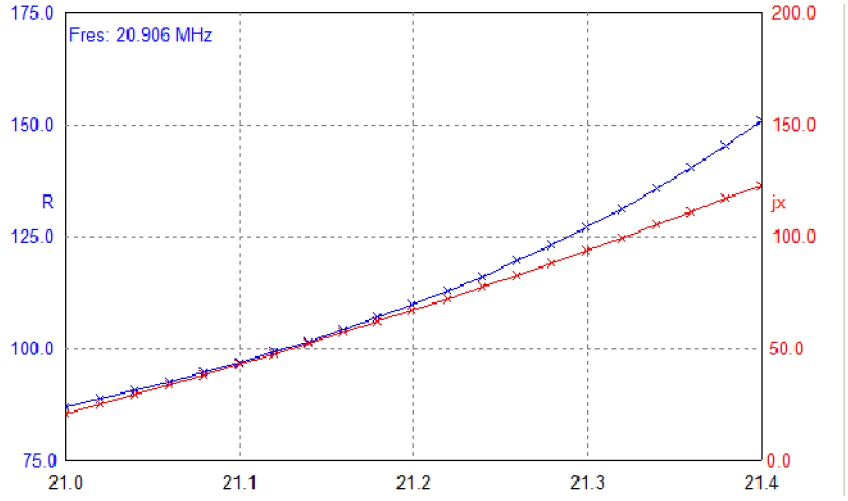

Figure 11 Input impedance of the Half Loop Antenna on the 15- meter Band

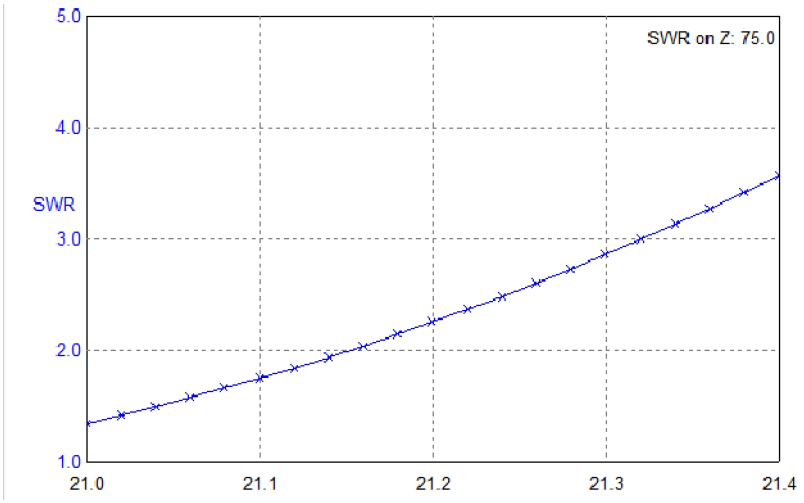

Figure 12 SWR of the Half Loop Antenna on the 15- meter Band

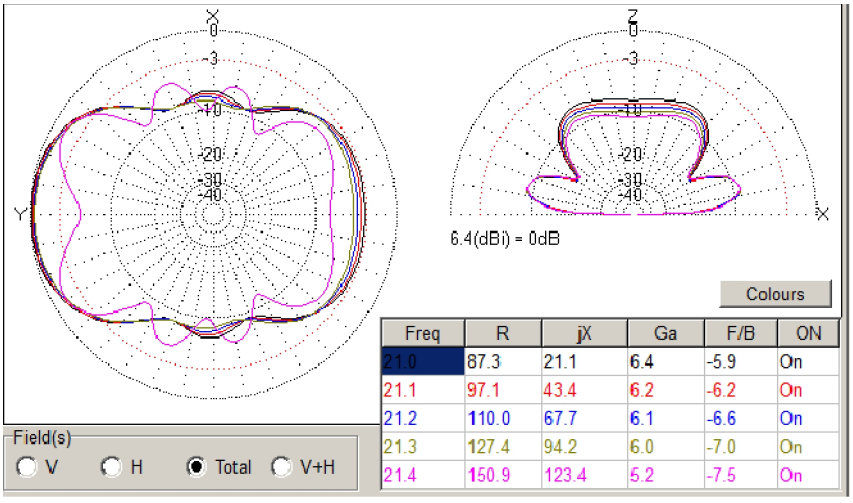

Figure 13 DD of the Half Loop Antenna on the 15- meter Band