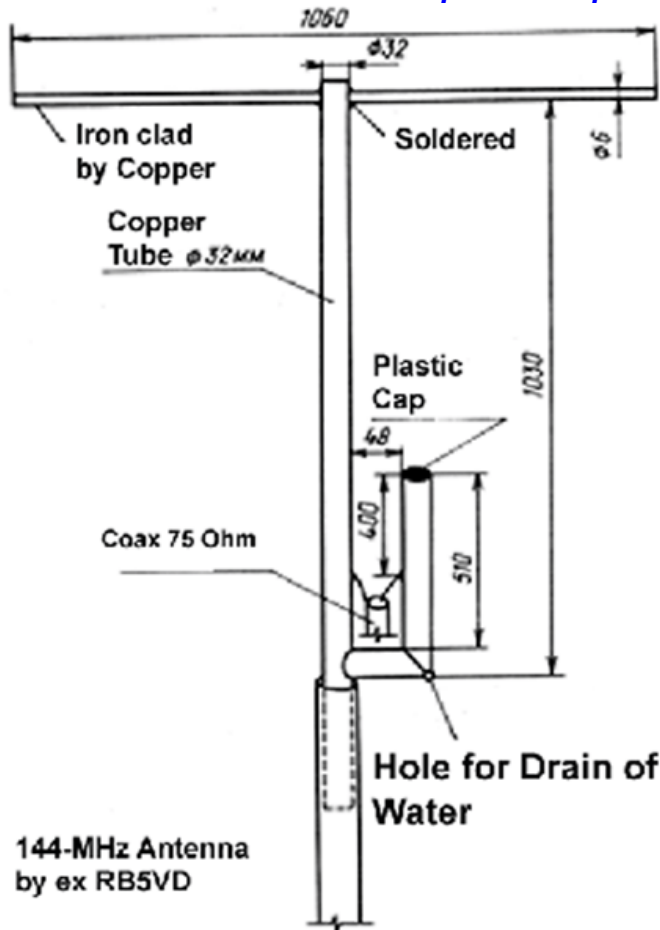


# 144- MHz Antenna for Satellite Communication

By ex RB5VD  
Credit Line:  
[http://www.cqham.ru/an\\_144s.htm](http://www.cqham.ru/an_144s.htm)



**Figure 1 Design 144-MHz Antenna for Amateur Satellite**

The simple antenna was tested at satellite communication. Signals from an amateur satellite (when the satellite was in visible sphere) were fine. Also the antenna worked well at local and DX QSOs.

The antenna made from copper tap tubes. Upper horizontal parts may be made from a tube or from a thick bare ware.

*Figure 1* shows the design of the antenna. Input impedance of the antenna is 75 Ohm. At 70- 80s some Russian commercial and military VHF transmitters had such output impedance. To change antenna impedance to 50 Ohm just connect coaxial cable a little down from the feedpoint. DD of the antenna is circle in horizontal and eight- shape in vertical plane.



[www.cqham.ru](http://www.cqham.ru)