

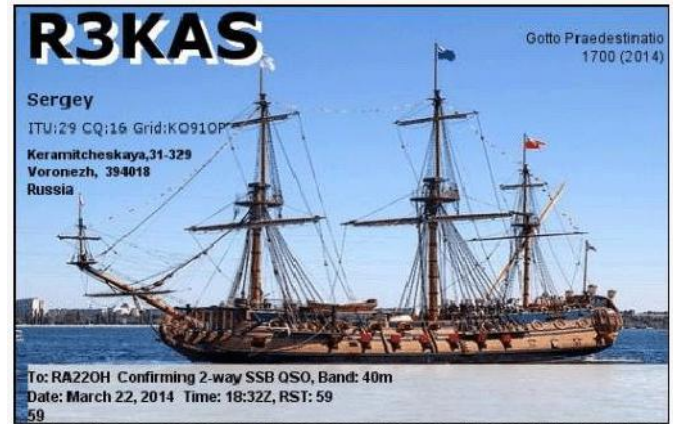
Partisan Antenna for 40, 30, 20 and 17- meter Bands

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City management service removed a tree at my window where my old antenna was located. So I need to find a solution for a new antenna. Balcony was a sole place for the antenna where I placed this one and named it a **Partisan Antenna**.

Figure 1 shows the antenna. The antenna was made from aluminum wire and installed between rail and ceiling of the balcony. It was practically invisible from the street. The antenna is a variant of a very shortened vertical dipole antenna with capacitance loads on both ends. RF choke is installed at the feed terminals. It may be any choke- several ferrite rings on the coaxial cable or several turns of the coaxial cable on a big ferrite ring.

Test of the antenna shows that ATU could tune the antenna at 40, 30, 20 and 17- meter bands. Theoretical input impedance of the antenna is 1.5- Ohm, but real input impedance is near 70- Ohm. It means that in the nearest objects lots energy from the antenna just lost (turn in the heat).



Anyway I made CW QSOs with Europe at power 30-W on my transceiver.

So, the antenna invisible, I am in the Air and, of course, think about new effective antenna, may also invisible.

73! R3KAS

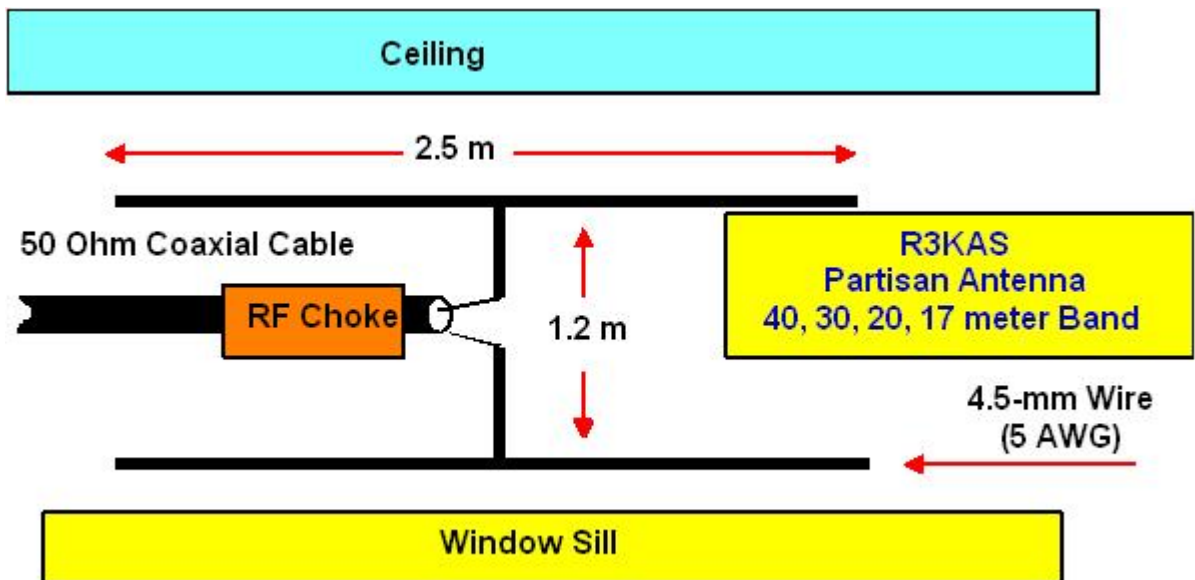


Figure 1 Design of the Partisan Antenna