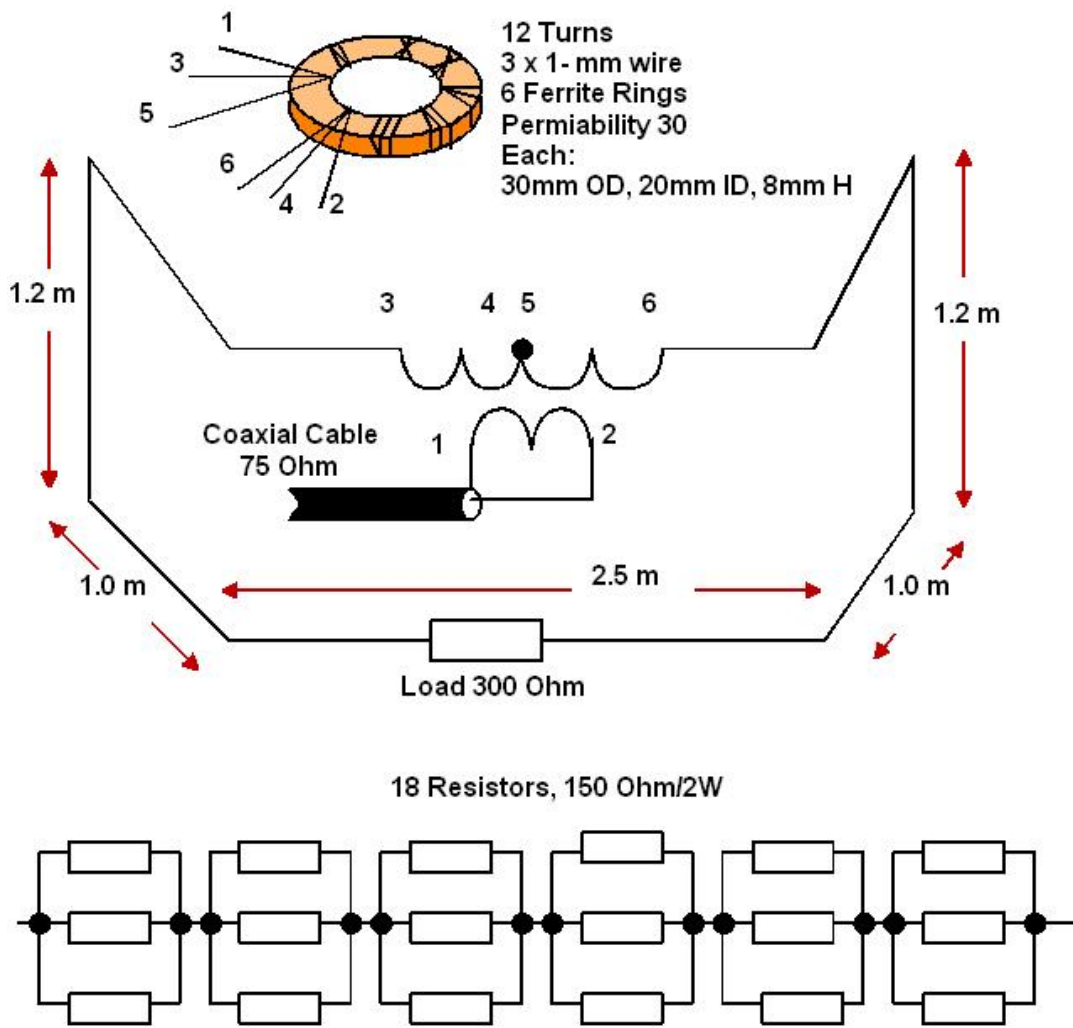


Loaded Loop Antenna

By: Vaclav

Antenna was installed along the perimeter of my balcony of the brick house. It was used 1- mm wire for the antenna. Transformer was coiled on stacked 6 ferrite rings with permeability 30, sizes 30-mm OD, 20- mm ID, 8- mm H by triple wire in 1- mm diameter. Load was made from 18 resistors 150- Ohm/2- W. It was used 50 W with the antenna. Antenna was tested only with CW transceiver.

On the 80-meter band it was made only local QSOs inside of my city. However, on the 40- 10 meters antenna works much better. It was made QSOs with NA, SA, Caribbean, JA and Africa. Antenna has good matching with transceiver on all the bands. The loaded loop was compared with a vertical antenna installed on the roof. The vertical has gain in efficiency at least 3 ball on scale RS.



Credit Line:

<http://www.cqham.ru/forum/showthread.php?24036-%C1%E0%EB%EA%EE%ED%ED%E0%FF-%E0%ED%F2%E5%ED%ED%E0-10-15-20-40m/page27>