

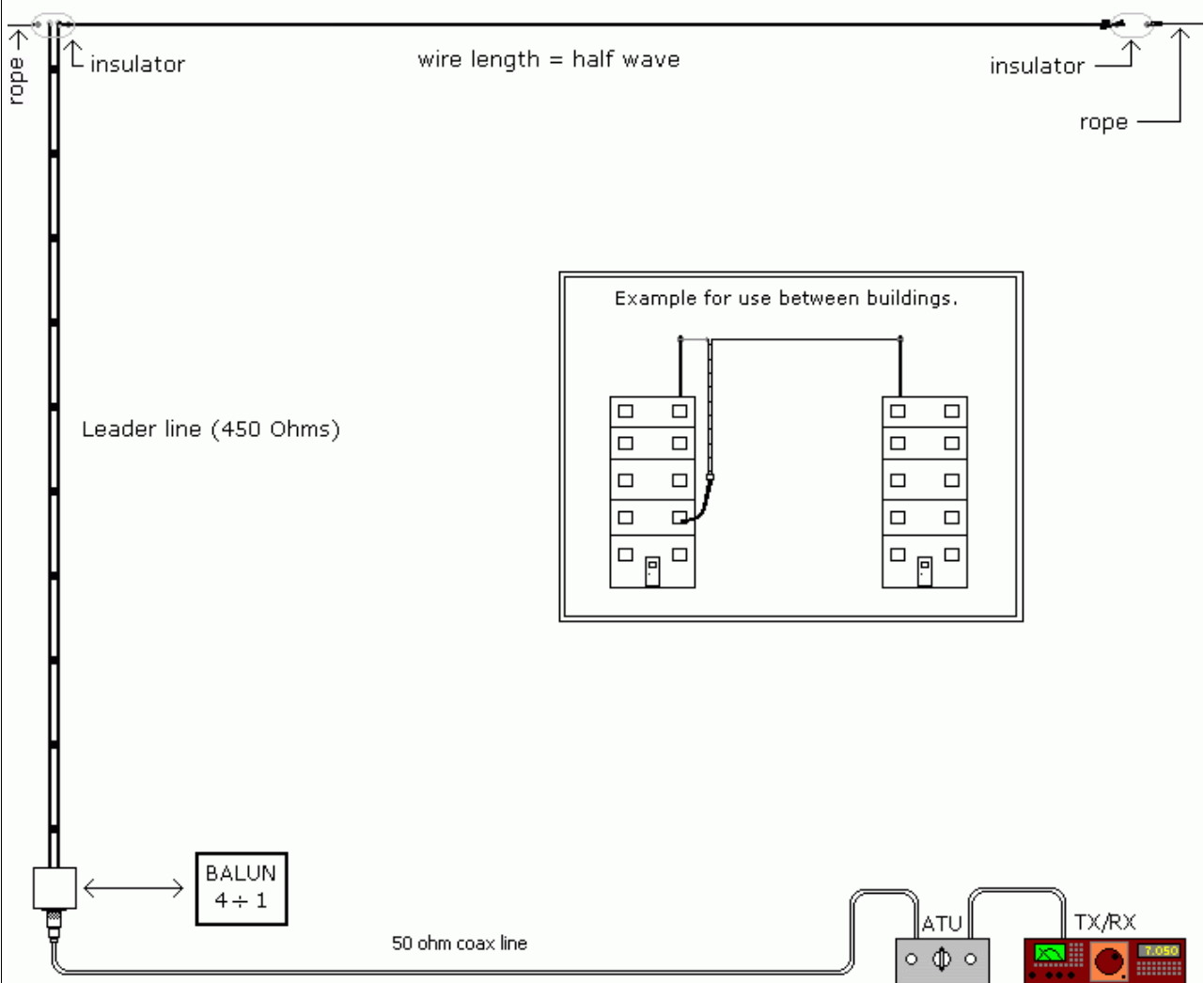
End feed Antenna for HF Bands.

All that you need: Simple, efficient, multiband, easy, and cheap antenna.

A little history first:

End feed antenna! The name of the antenna specify exactly what and how is. This antenna isn't something special or something like an Alien! It is a simple half wave wire antenna (computed for the lower band which begin worked). On the other bands working on harmonics. The feed point of this antenna applied on the one end. This is the different of any other half wave antenna, like a dipole for example.

As you can see on the sketch the one end of the leader line are on the air. Also I use Balun 4÷1 to reduce the high impedance of the antenna to help the most antenna tuners to tun it. That is!



Materials & Construction:

I try this antenna first time on 20 meters band, inside of my roof. Well to build it I use 10,20 meters wire (half wave length), 5 meters leader line 450Ω (quarter wave length), balun 4÷1, some insulators sufficient rope and one afternoon.

Results:

As I told you in the beginning isn't something special. So this antenna 'play' like any other half wave antenna like symmetrical dipole for example. Of course this is asymmetry antenna and provide very high impedance. The most serious advantage is the multiband attribute, the physical geometry allow to install between buildings, trees etc. Also can tune one octave down satisfying. Namely on 40 meters band working remarkable. I have not some else ! I hope enjoy this.

Good luck from SV1CDY George J. Orfanos, Athens - Greece