I am using a full size half-wave 30m dipole installed in my attic, a wire 14.2m long. I made it from 7.1m loudspeaker (figure-8) cable, split into two conductors. At the centre is a 4-1 balun constructed on a T130-2 toroid, according to the instructions at http://www.rason.org/Projects/balun/balun.htm . I connect the balun directly to my transmitter low-pass filter output (no ATU) using 5m of coax. The wire is reasonably straight and is taped to the roof wood at intervals. There are many pipes and cables running parallel to the wire on the attic floor, and even along the roof less than 1m from the dipole. I estimate that the height of the antenna is something like 6.5m (21 feet) above ground level.

{gallery}qrssjbantenna/attic{/gallery}
Attic installation

The junk box beacon lies unceremoniously on two bathroom tiles, with the old IBM laptop PSU (16V out
{gallery}qrssjbantenna/attic{/gallery}
Attic wire

When taking this picture I crouched under the wire about halfway along one of the dipole's arms. You ca
{gallery}qrssjbantenna/attic{/gallery}
Transmitter

The transmitter location on the wooden boards in the attic. The attic is also used for storage of many ho
{gallery}qrssjbantenna/balun{/gallery}
Balun

Here's the balun at the centre of the dipole. Notice how it just hangs there in the middle of the antenna w
{gallery}qrssjbantenna/balun_close{/gallery}
Balun close up

Some more detail on the balun: it's wound according to http://www.rason.org/Projects/balun/balun.htm with 18 turns. I used the same lo
{gallery}qrssjbantenna/qth{/gallery}
QTH satellite image

This is from Google maps . I've drawn the location of the dipole in red. Assuming that google
{gallery}qrssjbantenna/qth2{/gallery}
QTH satellite image

This is from Summer 2002 just before I moved here - so it's pre-renovation. The place has changed quit