

Short 40mtr (7.1MHz) 1/4 wave vertical antenna

Antenna Designed by:
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Use fullsize 1/4 wave radials
10.7 meters (35ft) long if
possible & earth rod.
The more radials the better
For the ground system.

Connecting to your coax:

Connect centre of your coax to the
bottom wire of the coil.

Then connect the braid of the coax to
the 10.7 mtr (35ft) long radial wires &
earth rod.

VERY IMPORTANT...!

**Make sure the coil is very well wrapped
with insulation tape & sealed &
protected from water.**

Trim radiating element (ONLY)
to length so as to resonate
(lowest VSWR at 7.1MHz).

Radiating element = 2.835mtrs (9.3ft)

A little experimentation may
be require with the length
for your location, but these
figures should be very close.

Base loading coil:

36.5 turns of 1mm speaker wire
with plastic jacket on close wound
with no gaps between the turns.
Wound on a 33mm outside
Diameter plastic pipe.

Length of coil on the former = 70 mm

Length of Plastic pipe = 100 mm

Centre of coax goes here...!