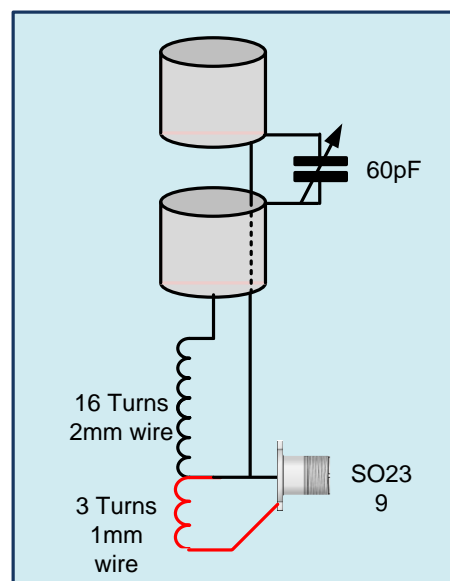
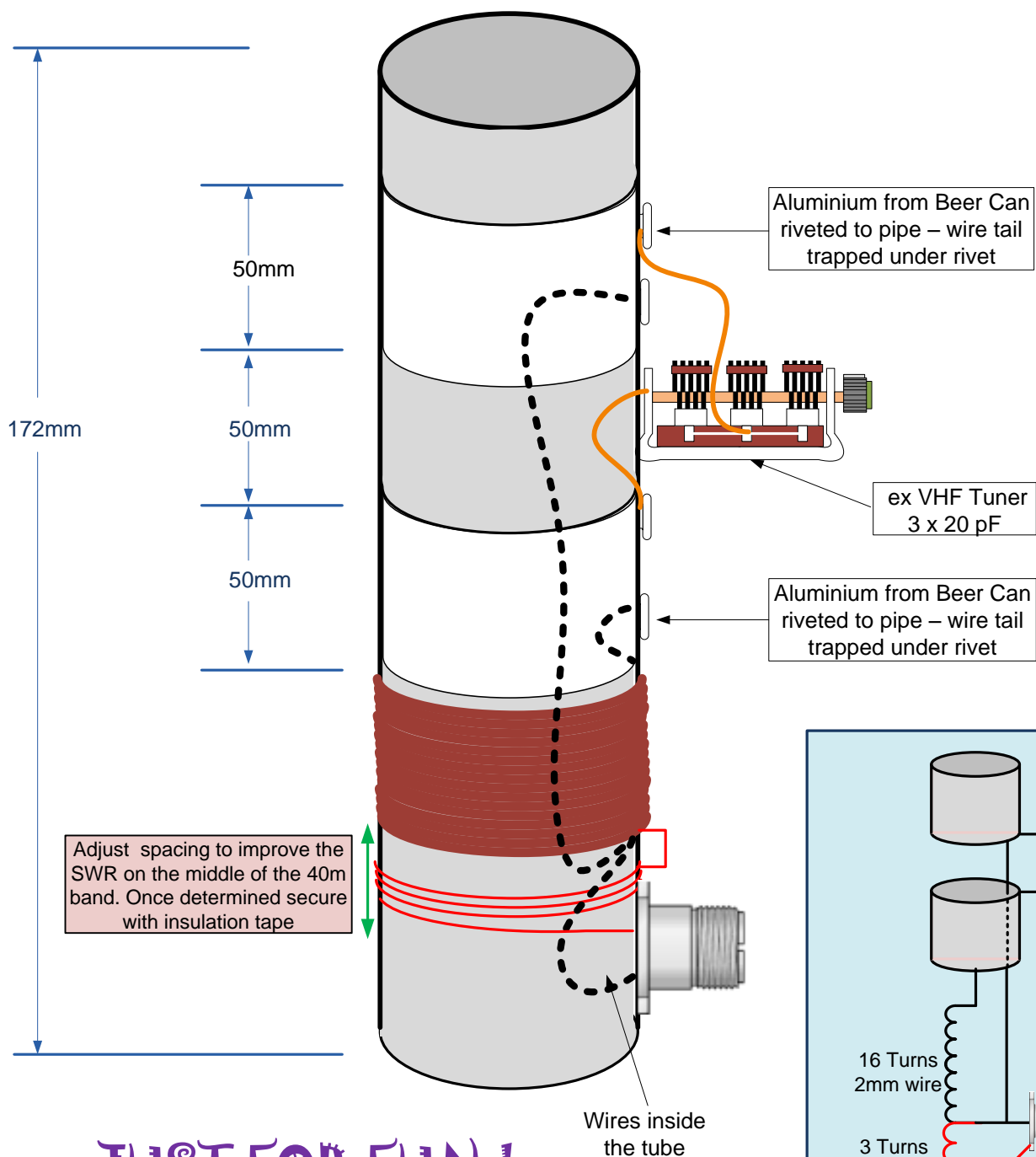


40m Receiver EH Antenna – G8ODE

<http://www.rsars.org.uk/ELIBRARY/docsants.htm>



Plastic "Marley" 50mm Dia Drain Pipe
172 mm long



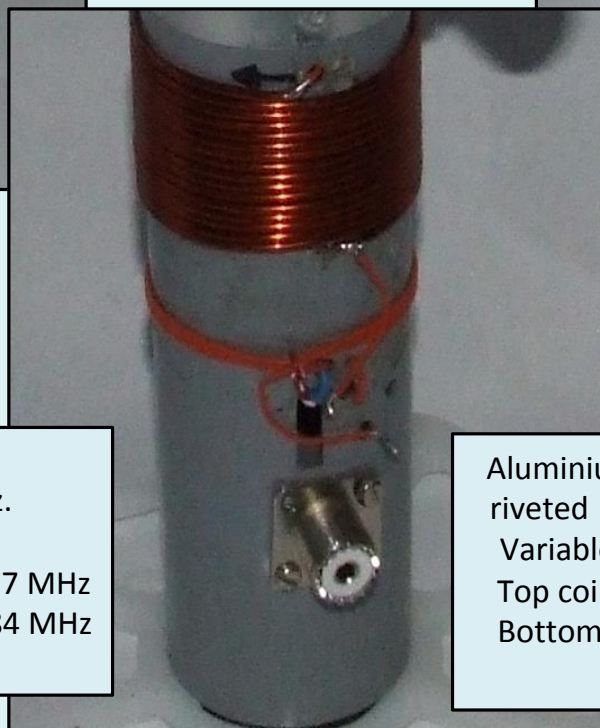
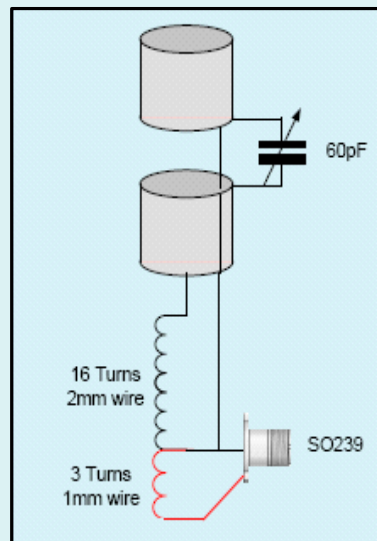
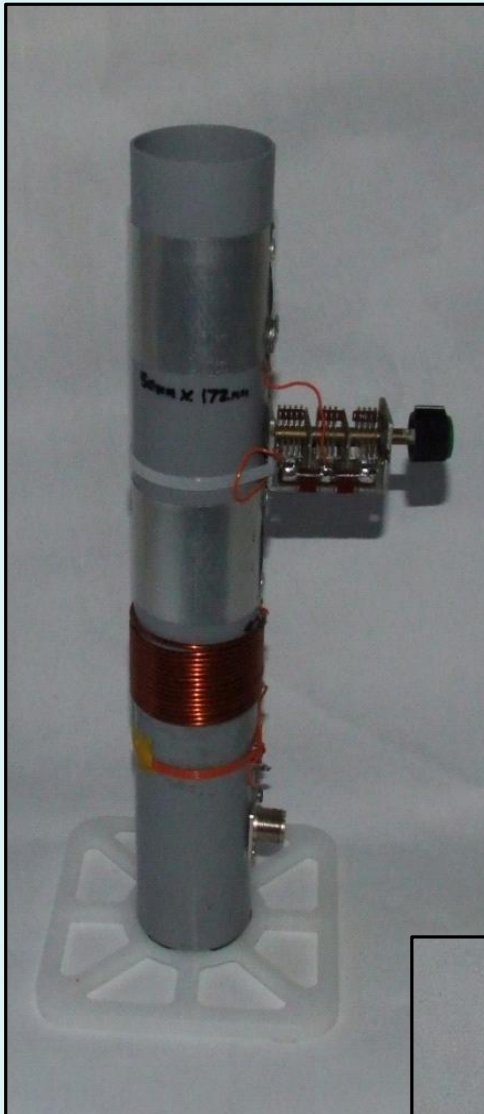
JUST FOR FUN!

The two aluminium 50 mm tubes form a capacitor, and together with the variable capacitor are wired in parallel with the 16 turns coil. The antenna is coupled with the second coil of 3.5 turns coil. that connects the SO239 socket directly feeding the radio. The Tuning is sharp and the antenna exhibits a bandwidth of about 80KHz (SWR 2:1)

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When Tuned to 7.050MHz.

SWR 1.5:1 @ 7.036 & 7.077 MHz
SWR 2.0:1 @ 7.001 & 7.084 MHz

Aluminium Cylinders 50mm long
riveted onto a 50mm diam pipe
Variable capacitor 60pF
Top coil 12 SWG enameled wire
Bottom coil 1mm insulated wire

NOTE:- The Plastic Marley 50mm diam drain pipe has served really well as a test-bed.
The design above is the third EH antenna tested, and has proved to be the easiest to tune.