

INSIDE A NAGOYA NA-701
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26-SEPT-2011

This antenna has been tested on 145Mhz/433Mhz/1296Mhz and FM broadcast band. It works very well on all bands with acceptable SWR on all of them.

A basic analysis using MMANA modelling software reveals that the antenna should also have a sharp resonance at 100Mhz. Indeed it seems to work better than some other antennas at the broadcast band.

It has been used for QSO's on 1296Mhz with an Alinco G7E and it works very well. It performs a simple $\frac{3}{4}$ lambda antenna.

FIG 1: BASIC PARTS



FIG2 – BASIC PARTS AND SCHEMATIC

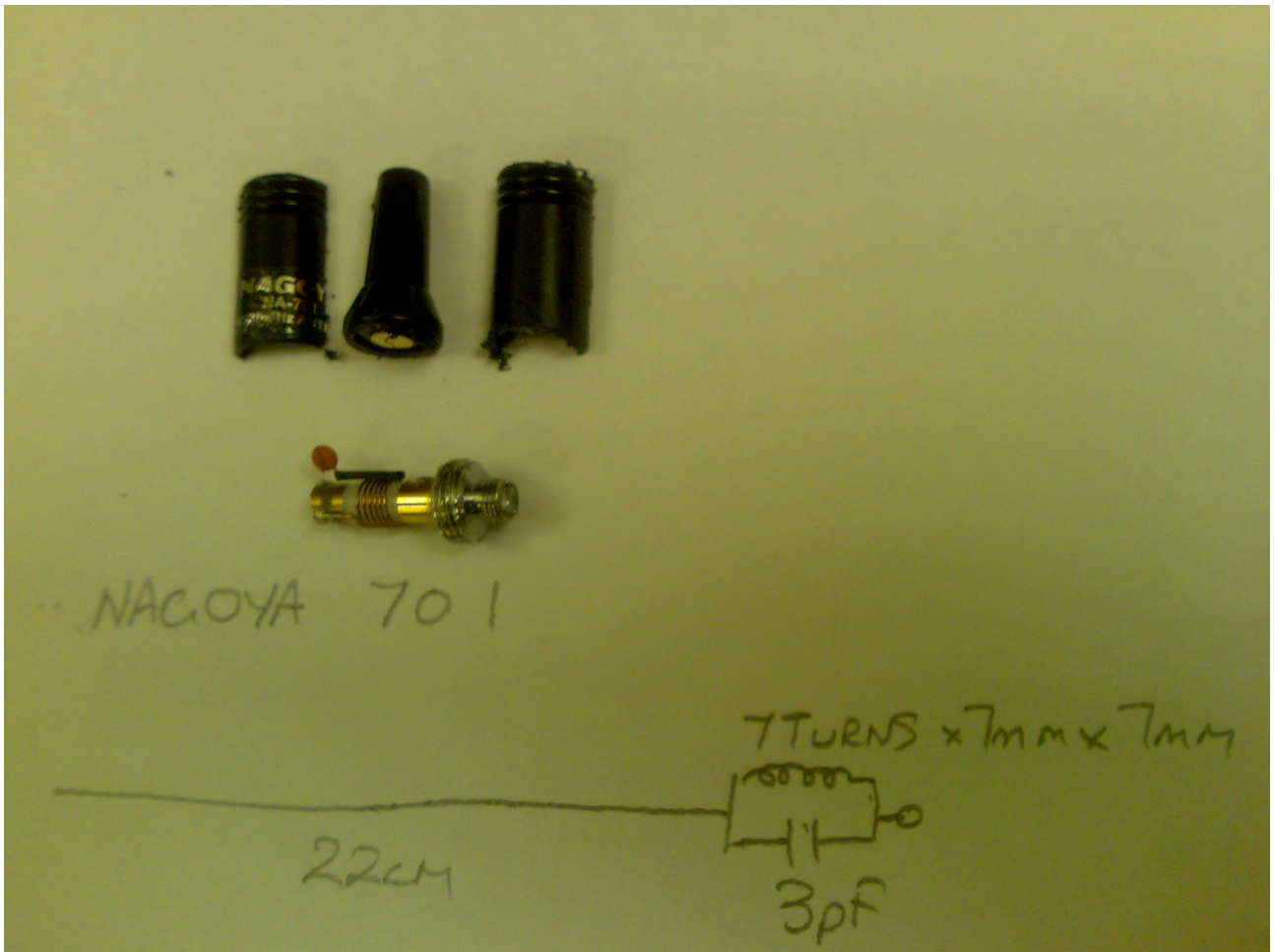


FIG 3 – CLOSE UP OF COIL AND CAPACITOR ASSEMBLY



NOTE! There is NO connection to earth or ground in this antenna!

The antenna element is a wound bare copper wire around a plastic former. You will see that the top half of the antenna is slightly smaller in diameter. There is no magic here, it just that the plastic former is a smaller diameter ;-)

Regards,

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