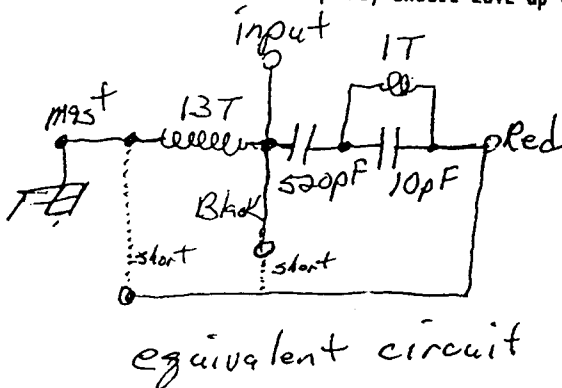


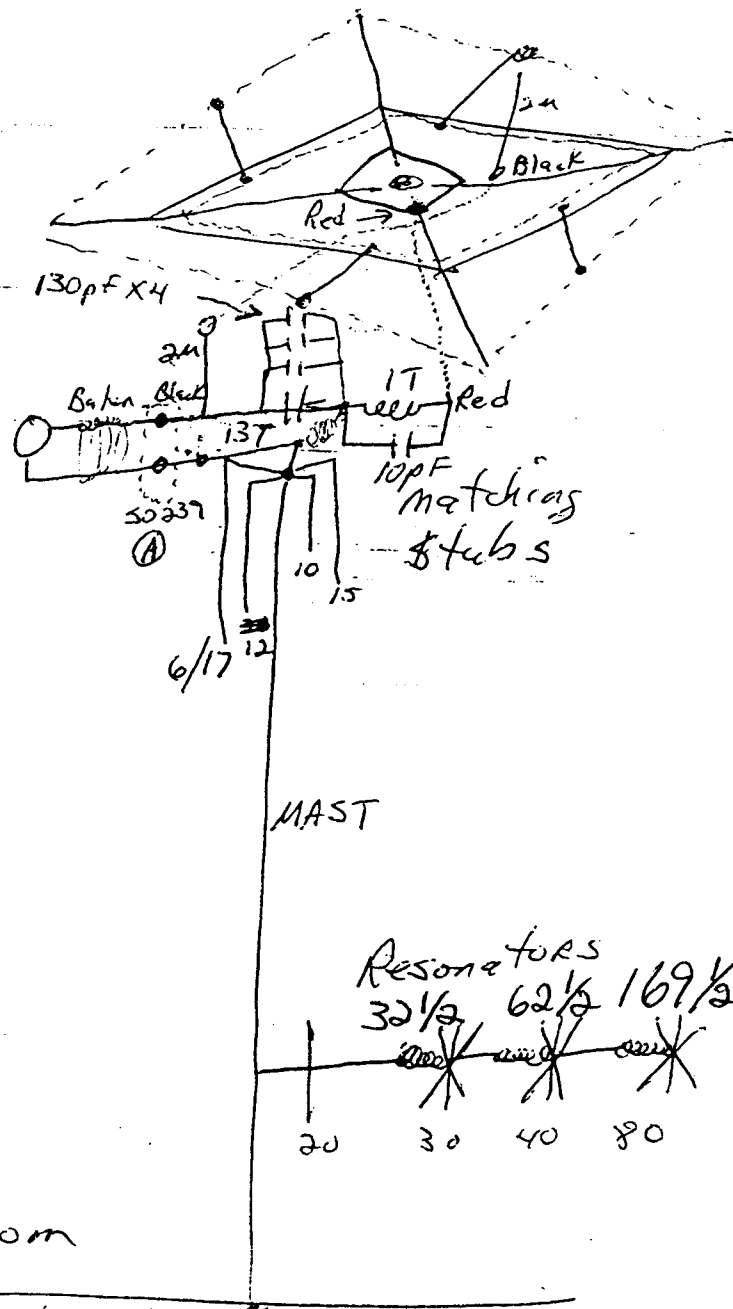
# MFJ-1798 Matching Network Test

1. Attach the red lead to the ground post of the pc board.
2. Measure the resonant frequency of the network. Use a MFJ-208, MFJ-201, or a MFJ-259 with the MFJ-66 dip adapter, or any other resonant measuring instrument. Hold the pickup loop near the outside of the large coil. Sweep the frequency until you find a dip, indicating resonance. The resonant frequency should be around 143 MHz. If you do not find a resonant dip, the network is bad. Check solder connections for cold solder joints, broken wires, etc. The frequency may be a little above, or a little below 143 MHz. The analog scale on the MFJ-201 showed 140 MHz, where the MFJ-259 showed 143 MHz. It's not critical, as long as the network actually does resonate, and gives a dip in the reading.

3. Attach both the red and black leads to the ground post. The resonant frequency should move up to about 146 MHz.



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Check while still connected to coax:

A. If SWR Analyzer shows a change when the 2M Whip is touched, the network is probably open.

B. If the SWR Analyzer shows no change when the 2M Whip is touched, the coax solder connection is probably open at the PCB. (A)