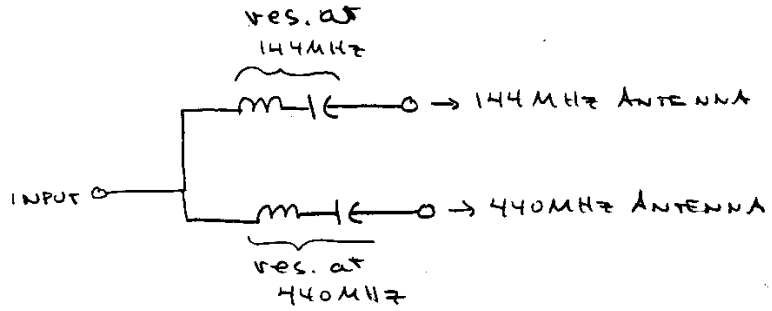
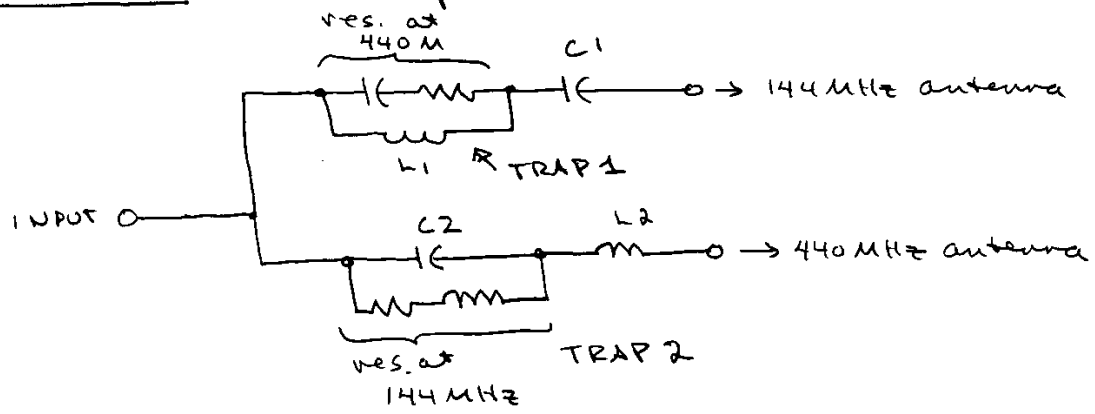
"Diplexer"

1st thought



Problem - the load (transmission line & antenna) off resonance can greatly alter the behavior of each

Better idea: use traps:



This blocks 440MHz from 144MHz antenna and 144MHz from 440 MHz antenna, regardless of impedance of output.

NOTE: Trap 1 acts like L1 at 144MHz, so C1 is added to cancel L1's impedance.

Trap 2 acts like C2 at 440MHz, so L2 is added to cancel C2's impedance.

Let's choose "passband" of blockage to be 10% of center frequency, and impedance (real) of each trap to be 1kΩ at resonance.

Resulting values: