

RF FILTER ARRANGEMENT WITH IMAGE TRAP

## Abstract

A tuner includes a tunable filter (907-2) for selecting a desired RF signal in response to a tuning control signal and a  
5 tunable image trap (907-3) for rejecting the undesired image signal corresponding to the desired RF signal responsive to the tuning control signal coupled in cascade between an RF amplifier (905) and a mixer (909). The tunable trap (907-3) also serves as an impedance transformation element between the tunable filter  
10 (907-2) and said mixer (909). The arrangement is particularly useful in a tuner in which the frequency range of the local oscillator signal is below the frequency range of the received RF signals.

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Figure 1