

ABSTRACT

A METHOD FOR REDUCING NOISE GENERATED IN A POWER AMPLIFIER

5 Receive band filtering between the last two stages of an N-stage power amplifier
can reduce the R_x band noise. There are N-1 interstage matching networks interposing N
stage amplifiers, where $N \geq 2$. The interstage matching networks and stage amplifiers are
electrically connected series. The N-1th interstage matching network includes a receive
band reject filter positioned proximate to the output of the N-1th stage power amplifier.

10 Figure 2