

DIVERSITY RECEIVER FRONT END SYSTEM WITH IMPEDANCE MATCHING COMPONENTS

ABSTRACT

Diversity receiver front end system with impedance matching components. A receiving system can include a controller configured to selectively activate one or more of a plurality of paths between an input of the receiving system and an output of the receiving system. The receiving system can further include a plurality of amplifiers. Each one of the plurality of amplifiers can be disposed along a corresponding one of the plurality of paths and can be configured to amplify a signal received at the amplifier. The receiving system can further include a plurality of impedance matching components. Each one of the plurality of impedance matching components can be disposed along a corresponding one of the plurality of paths and can be configured to reduce at least one of an out-of-band noise figure or an out-of-band gain of the one of the plurality of paths.

[FIG. 8]