

DIVERSITY RECEIVER FRONT END SYSTEM WITH POST-AMPLIFIER FILTERS

ABSTRACT

Diversity receiver front end system with post-amplifier filters. A receiving system can include a controller configured to selectively activate one or more of a plurality of paths between an input of a first multiplexer and an output of a second multiplexer. 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 include a first plurality of bandpass filters. Each one of the first plurality of bandpass filters can be disposed along a corresponding one of the plurality of paths at an output of a corresponding one of the plurality of amplifiers and can be configured to filter a signal received at the bandpass filter to a respective frequency band.

[FIG. 4A]