

CARRIER AGGREGATION WITH INTEGRATED FILTERS

ABSTRACT

In some embodiments, a front-end system can include a switch network that includes an antenna node, a first signal node connectable to a first filter-based assembly for a first band, a second signal node connectable to a second filter-based assembly for a second band, and a third signal node connectable to a third filter-based assembly for a third band. The switch network can be configured to support carrier aggregation of at least the first and second bands. The front-end system can further include a reconfigurable routing circuit configured to allow carrier aggregation of the third band and a selected one of the first and second bands utilizing the third filter-based assembly and the filter-based assembly associated with the selected one of the first and second bands.

[FIG. 5]