

ABSTRACT

A wireless communication device includes a plurality of antenna modules at different positions, a first radio frequency (RF) integrated circuit, and processing circuitry configured to select one antenna module from among the plurality of antenna modules to obtain a selected antenna module, perform communication using the selected antenna module and the first RF integrated circuit, monitor signal quality through at least one of the plurality of antenna modules to obtain a monitoring result, and control switching from the selected antenna module to another antenna module among the plurality of antenna modules based on the monitoring result, the switching including selectively switching a connection of the first RF integrated circuit from the selected antenna module to the other antenna module.

FIG. 2