

ABSTRACT OF THE DISCLOSURE**ANTENNA SHARING DEVICE FOR DUAL FREQUENCY BAND**

An antenna sharing device for dual frequency band comprises first and second transmitter side filters (1, 4), first and second receiver side filters (13, 14) and first through third switches (2, 5, 11) for selectively connecting a common antenna with a selected one or two of the filters. When the transmission mode is selected by the third switch, the first and second transmitter side filters are possible to be selectively connected to the antenna through the first and second switches. When the reception mode is selected by the third switch, the first and second transmitter side filters are disconnected from the antenna while the first and second receiver side filters are commonly connected to the antenna. In the device, a transmission signal from one of the first and second transmitter side filters is avoided from flowing to the first and second receiver side filters and to the other of the first and second transmitter side filters. The first and second transmitter side filters may be first and second low pass filters for passing a first and a second transmission frequency signals, respectively. The first through third switches may be of electronic switches.

FIG. 3