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(54) **WIRELESS COMMUNICATION DEVICE AND OPERATING METHOD OF THE SAME**

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(57) **ABSTRACT**

A wireless communication device is provided. The wireless communication device includes: a communication circuit configured to transceive a signal using a plurality of antennas; a processor configured to: detect a first interference for N resource blocks (RB) of the signal; based on the first interference being detected, perform a first whitening validation on the first interference; detect a second interference based on a result of the first whitening validation; and based on the second interference being detected, perform a second whitening validation on the second interference; and a whitening filter circuit configured to perform whitening filtering on results of the first whitening validation and the second whitening validation.

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