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(54) **WIRELESS COMMUNICATION APPARATUS
AND OPERATING METHOD THEREOF**

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(57) **ABSTRACT**

The present disclosure provides wireless communication apparatuses for data communication with other wireless communication apparatuses in a wireless communication system. In some embodiments, a first wireless communication apparatus includes a transceiver configured to receive a data signal from a second wireless communication apparatus through a channel, and a processing circuit configured to measure noise, a signal to noise ratio (SNR), and error vector magnitude (EVM) of the data signal, compare the SNR with the EVM, and selectively perform, based on a result of the comparison of the SNR with the EVM, a correction operation on the noise.

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