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(54) **METHOD AND COMMUNICATION CIRCUIT
FOR COMMUNICATING WITH BASE
STATION**

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(57) **ABSTRACT**

A method of a communication circuit includes: using an analog circuit to receive and process a beacon signal transmitted from an antenna unit and through a channel to generate a baseband signal; using a digital circuit to process the baseband signal; during a predetermined early reception period corresponding to the beacon signal sent from a base station, waking up the analog circuit and at least one portion of the digital circuit to detect the signal power strength of the channel; and, determining whether make the analog circuit and the digital circuit enter a standby mode to save power according to the signal power strength.

