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(54) **METHOD AND APPARATUS FOR
MULTI-PILOT OPERATION FOR
NON-LINEARITY COMPENSATION OF
AMPLIFIER**

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ABSTRACT

The disclosure relates to a 6G communication system for achieving high data transmission rates and ultra-low latency after 4G and 5G communication systems. A method performed by a base station in a communication system according to an embodiment of the disclosure may include identifying a first pilot for channel estimation or a second pilot for non-linearity compensation of a PA, identifying pilot information related to at least one of the first pilot and the second pilot, and transmitting, to a terminal, control information including the pilot information.

