

METHOD AND APPARATUS FOR TRANSMITTING/RECEIVING PHYSICAL LAYER PROTOCOL DATA UNIT

ABSTRACT

This application provides a method for transmitting a physical layer protocol data unit,
5 including: generating a physical layer protocol data unit (physical protocol data unit, PPDU),
where the PPDU includes a long training field (long training field, LTF), a length of a frequency-
domain sequence of the LTF is greater than a first length, and the first length is a length of a
frequency-domain sequence of an LTF of a PPDU transmitted over a channel whose bandwidth is
160 MHz; and sending the PPDU over a target channel, where a bandwidth of the target channel
10 is greater than 160 MHz. The frequency-domain sequence of the LTF provided in this embodiment
of this application considers a phase rotation at a non-pilot location, a plurality of puncturing
patterns for 240 MHz/320 MHz, and multiple RU combination, so that a finally provided
frequency-domain sequence of the LTF has relatively small PAPR values on multiple RUs in the
plurality of puncturing patterns for 240 MHz/320 MHz.

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FIG. 5