

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. The method includes: generating a physical layer protocol data unit (physical layer 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 is greater than 160 MHz. A phase rotation at a non-pilot location, a plurality of puncturing patterns for 240 MHz/320 MHz, and multiple RU combination are considered for the frequency-domain sequence of the LTF provided in this embodiment of this application, so that the finally provided frequency-domain sequence of the LTF has a small PAPR value on multiple RU combination in the plurality of puncturing patterns for 240 MHz/320 MHz.

Fig. 5