

METHOD AND DEVICE FOR INDICATING TRANSMISSION FRAME STRUCTURE, AND SYSTEM

ABSTRACT

A method and device for indicating a transmission frame structure, and a system
5 may be used to indicate multiple different transmission frame structures, and may be
applied to a HEW into which any one or more of transmission modes in a UL
OFMDA transmission mode, a DL OFDMA transmission mode, and a UL MU MIMO
transmission mode are introduced. In some feasible implementation manners of the
present invention, the method includes: generating, by a sending device, a
10 transmission frame, where a physical header of the transmission frame includes a
frame structure indication field, and a subcarrier polarity of the frame structure
indication field is used to indicate a frame structure of the transmission frame, where
when the subcarrier polarity of the frame structure indication field is a first subcarrier
polarity, the transmission frame has a first frame structure, or when the subcarrier
15 polarity of the frame structure indication field is a second subcarrier polarity, the
transmission frame has a second frame structure; and sending the transmission frame,
so that a receiving device determines the frame structure of the transmission frame
according to the subcarrier polarity of the frame structure indication field.

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Figure 4C