

ANTENNA CHANNEL SOUNDING METHOD, APPARATUS, AND STORAGE MEDIUM

ABSTRACT

An antenna channel sounding method, an apparatus, and a storage medium are provided, to
5 perform antenna selection in a large-scale antenna scenario. In this application, a first
communication apparatus sends a first frame and a first PPDU to a second communication
apparatus. The first frame includes first indication information for indicating the second
communication apparatus to perform transmit antenna channel sounding. The first PPDU is an
NDP. The first PPDU includes a first identifier field indicating an identifier of a first transmit
10 antenna set. In this way, the second communication apparatus can determine a correspondence
between a transmit antenna channel sounding result corresponding to a received PPDU and an
identifier of a transmit antenna set, and can determine an identifier of a transmit antenna set
selected based on one or more transmit antenna channel sounding results. This can prevent the
second communication apparatus from incorrectly matching a selected transmit antenna channel
15 sounding result with a transmit antenna set, and perform antenna selection based on the antenna
channel sounding results in the large-scale antenna scenario.

Figure 4