

COMMUNICATION METHOD IN WIRELESS LOCAL AREA NETWORK AND COMMUNICATION APPARATUS

ABSTRACT

A communication method in a wireless local area network and a communication apparatus
5 are provided, and are applicable to a wireless local area network system supporting 802.11 series
protocols such as a next-generation Wi-Fi protocol of IEEE 802.11ax like 802.11be, Wi-Fi 7, or
EHT, and a next generation of 802.11be like Wi-Fi 8. The method includes: An access point
generates a trigger frame, and sends the trigger frame to a station. The trigger frame includes
resource allocation information and first indication information. The first indication information
10 indicates a first bandwidth to the station, and the resource allocation information indicates a first
distributed RU that is allocated to the station and that corresponds to the first bandwidth. The first
bandwidth is a bandwidth of at least one sub-channel occupied by subcarriers included in the first
distributed RU. According to the method, the station may determine a distributed bandwidth range
of an allocated RU, for example, in a maximum bandwidth supported by the station, or in a
15 bandwidth outside a punctured bandwidth, to increase a transmit power of the station.

FIG. 7