

ABSTRACT

Embodiments of this application provide a communication method. The method is applied to a wireless local area network system supporting 802.11 series protocols, for example, a next-generation Wi-Fi protocol of IEEE 802.11ax, like 802.11be, Wi-Fi 7, or EHT, or for another
5 example, a next-generation of 802.11be, like Wi-Fi 8, UHR, or Wi-Fi AI, and may be further applied to an ultra-wideband UWB-based wireless personal area network system or a sensing (sensing) system. The method includes: inputting high-frequency constellation mapping symbols into a tone mapper; and recording, by the tone mapper, the high-frequency constellation mapping symbols. For communication transmission in a high frequency band scenario, a proper tone
10 mapper may be designed, and constellation mapping symbols are reordered based on the tone mapper.