PHYSICAL LAYER CONFIGURATION METHOD FOR UWB RANGING AND APPARATUS

ABSTRACT

This application relates to a physical layer configuration method for UWB ranging and an apparatus. The method includes: generating and sending a common physical layer configuration field, where the common physical layer configuration field includes a first field, and the first field indicates a combination of wireless technologies used in multiple phases in an initialization and setup phase, a control phase, a ranging phase, and a report phase. According to this application, a physical layer configuration in a ranging session can be improved. This application supports UWB protocols, including 802.15 series protocols, such as 802.15.4ab or a next generation standard of 802.15.4ab, may also support protocols such as 802.11be/Wi-Fi 7/EHT, 802.11bn/Wi-Fi 8/UHR, and integrated millimeter wave/IMMW, and may also support sensing protocols, such as 802.11bf, and SparkLink/SparkLink/NearLink standard protocols.

FIG. 8