

METHOD FOR DETERMINING TRANSMIT POWER IN WIRELESS LOCAL AREA NETWORK AND RELATED APPARATUS

ABSTRACT

5 This application relates to the field of wireless communication, specifically applied to a wireless local area network that supports the 802.11 series standards, and in particular, to a method for determining transmit power in a wireless local area network and a related apparatus. The method includes: A station receives a trigger frame from a first access point, where the trigger frame is used to trigger the station to send a TB PPDU and indicate a resource unit allocated to the station. The station selects, based on a channel busy/idle state detected through sensing, some
10 resource units from the allocated resource unit to transmit the TB PPDU, and calculates transmit power of the station based on a ratio of the selected resource units to the allocated resource unit. The station sends the TB PPDU on the selected resource units at the transmit power. According to embodiments of this application, in a scenario in which the station performs transmission by using some RUs/MRUs in an allocated MRU/RU, transmit power of the station can be reduced, to reduce
15 interference of the station to another device.

(Fig.9)