

# **FREQUENCY OFFSET ESTIMATION METHOD, STATION, AND ACCESS POINT**

## **ABSTRACT**

This application provides a frequency offset estimation method, a station STA, and an access  
5 point AP. The frequency offset estimation method is applicable to an uplink multi-station multiple-  
input multiple-output scenario. The frequency offset estimation method includes: An AP indicates,  
by using first information, how a STA generates and reports a frequency offset estimation training  
field, and the AP determines a frequency offset between the AP and the STA based on at least two  
received estimated frequency offset training fields. According to technical solutions provided in  
10 this application, accuracy of learning of, by the AP, values of frequency offsets between a plurality  
of STAs and the AP can be improved. This application is applicable to 802.11ax, 802.11be, and  
future wireless local area network (wireless fidelity, Wi-Fi) systems.

Fig. 6