

Abstract

The present disclosure belongs to the technical field of communications, and provides a method and apparatus for reporting a power headroom report (PHR), a user equipment (UE), a base station and a storage medium. The method comprises: receiving configuration information sent by a base station, the configuration information indicating that a UE supports reporting of PHRs of single or multiple TRPs on one carrier; receiving power control parameters supporting at least one TRP which corresponds to at least one carrier and which is sent by the base station; receiving a PHR reporting trigger condition of the at least one TRP sent by the base station; and on the basis of the power control parameters and the reporting trigger condition, triggering PHR reporting of at least two TRPs corresponding to each carrier. Embodiments of the present disclosure provide a PHR reporting method suitable for a multi-TRP scenario, which ensures the effective allocation of network resources.

Fig. 1