

ABSTRACT

The present disclosure relates to a data transmission method, a base station, user equipment, and a storage medium, in the technical field of communications. The method comprises: a base station generating signaling used to indicate at least two receive beams of user equipment, the signaling comprising TCI states of multiple TBs, the multiple TBs being sent by at least two panels, the at least two panels being different panels from the same TRP or panels from different TRPs, and the multiple TBs corresponding to the at least two receive beams of the user equipment; the base station sending the signaling to the user equipment, used for the user equipment to determine receive beams of each TB among the multiple TBs according to the signaling, and to use the determined receiving beams to receive each TB. The present disclosure designs new signaling, enabling user equipment to use multiple receive beams to perform data reception when a base station is using multiple send beam directions to perform data sending, making it possible for the base station and the user equipment to perform data transmission via multiple beams.

Figure 2