

WHAT IS CLAIMED IS:

1. A method for determining a location, performed by a user equipment (UE), the method comprising:

determining a location relationship of the UE with respect to a serving cell according to a measured positioning measurement result of a wireless signal transmitted by an aerial access network equipment in the serving cell, wherein the positioning measurement result indicates a location relationship of the UE with respect to the aerial access network equipment;

wherein the method further comprises:

determining whether to perform an inter-cell handover according to the location relationship of the UE with respect to the serving cell;

wherein determining whether to perform the inter-cell handover according to the location relationship of the UE with respect to the serving cell comprises one of the following:

performing a cell reselection in response to determining that the UE is in an idle state and the distance between the UE and the center point of the serving cell is greater than a distance threshold; and

sending an inter-cell handover request to the aerial access network equipment in response to determining that the UE is in a connected state and the distance between the UE and the center point of the serving cell is greater than the distance threshold.

2. The method of claim 1, wherein the method further comprises: receiving location indication information indicating an altitude of the aerial access network equipment;

wherein determining the location relationship of the UE with respect to the serving cell according to the measured positioning measurement result of the wireless signal transmitted by the aerial access network equipment in the serving cell comprises:

determining a distance between the UE and a center point of the serving cell according to the location indication information and the positioning measurement result.

3. The method of claim 2, wherein determining the distance between the UE and the center point of the serving cell according to the location indication information and the

positioning measurement result comprises at least one of the following:

determining the distance between the UE and the center point of the serving cell according to the altitude of the aerial access network equipment and an angle of arrival of the wireless signal; and

determining the distance between the UE and the center point of the serving cell according to the altitude of the aerial access network equipment and a distance between the UE and the aerial access network equipment.

4. The method of claim 3, wherein the distance between the UE and the aerial access network equipment is determined according to a time of flight of the wireless signal.

5. The method of claim 1, wherein the method further comprises:

receiving indication information indicating the distance threshold.

6. The method of claim 5, wherein receiving the indication information indicating the distance threshold comprises at least one of the following:

receiving the indication information indicating the distance threshold broadcast by the aerial access network equipment; and

receiving a radio resource control (RRC) signaling sent by the aerial access network equipment and carrying the indication information indicating the distance threshold.

7. The method of any one of claims 1 to 4, wherein the method further comprises:

sending positioning information of the UE to the aerial access network equipment, wherein the aerial access network equipment determines the location of the UE in the serving cell with the positioning information of the UE.

8. A method for determining a location, performed by an aerial access network equipment, the method comprising:

sending location indication information indicating an altitude of the aerial access network equipment, wherein the location indication information is configured to determine a location relationship of a user equipment (UE) with respect to a serving cell;

wherein the method further comprises:

receiving an inter-cell handover request, wherein the inter-cell handover request is sent in response to determining that a distance between the UE and a center point of the serving

cell is greater than a distance threshold.

9. The method of claim 8, wherein the method further comprises:

receiving from the UE a positioning measurement result of a wireless signal transmitted by an aerial access network equipment to the serving cell; wherein the positioning measurement result indicates a location relationship of the UE with respect to an aerial access network equipment; and

determining the location relationship of the UE with respect to the serving cell according to the location indication information and the positioning measurement result.

10. The method of claim 9, wherein the positioning measurement result of the wireless signal comprises at least one of: an angle of arrival of the wireless signal or a time of flight of the wireless signal.

11. The method of claim 8, wherein the method further comprises:

sending indication information indicating the distance threshold.

12. The method of claim 11, wherein sending indication information indicating the distance threshold comprises at least one of the following:

broadcasting the indication information indicating the distance threshold; and

sending a radio resource control (RRC) signaling carrying the indication information indicating the distance threshold.

13. The method of any one of claims 8 to 12, wherein the method further comprises:

receiving positioning information of the UE; and

determining a location of the UE in the serving cell according to the center point of the serving cell and the positioning information of the UE.

14. The method of claim 13, wherein the method further comprises:

performing an inter-cell handover on the UE in response to determining that the location of the UE in the serving cell meets a handover condition.

15. A communication device comprising:

a processor;

a memory, coupled to the processor, and stored with a computer executable program for determining a location, wherein when the computer executable program is executed, the

processor is caused to implement steps of the method for determining a location of any of claims 1-7 or claims 8-14.

16. A storage medium having stored therein an executable program that, when executed by a processor, cause the processor to perform steps of the method for determining a location of any of claims 1-7 or claims 8-14.