

WHAT IS CLAIMED IS:

CLAIMS

1. A method of wireless communication performed by a user equipment (UE), comprising:

_determining location information regarding the UE; and
_activating a receive beam of the UE in at least one symbol, associated with at least one transmit beam of at least one base station, based at least in part on the location information, wherein the UE is configured to activate the receive beam based at least in part on mapping information, at least partially determined by the UE, that indicates that the receive beam is associated with the location information-, wherein the mapping information relates to multiple, different transmit beams of a plurality of base stations, wherein the multiple, different transmit beams include the at least one transmit beam, wherein the plurality of base stations include the at least one base station and wherein the receive beam is activated based at least in part on a predicted location of the UE.

2. The method of claim 1, wherein the location information include at least one of:

_global positioning system (GPS) information,
_gyroscope information,
information identifying a speed or velocity of the UE, or
_information identifying a geographic location of the UE.

3. The method of claim 1, further comprising:

_deactivating the receive beam of the UE in one or more symbols other than the at least one symbol.

4. The method of claim 1, further comprising:

activating a plurality of receive beams of the UE based at least in part on the location information, wherein the plurality of receive beams are associated with a plurality of transmit beams of a plurality of base stations, wherein the plurality of transmit beams includes the at least one transmit beam and the plurality of base stations includes the at least one base station.multiple, different transmit beams.

5. The method of claim 1, further comprising:

 determining or updating the mapping information.

6. The method of claim 1, ~~wherein the mapping information relates to multiple, different transmit beams of a plurality of base stations, wherein the multiple, different transmit beams includes the at least one transmit beam and the plurality of base stations includes the at least one base station.~~

7. ~~The method of claim 6,~~ wherein the multiple, different transmit beams are determined based at least in part on a vendor or type of the plurality of base stations.

8. ~~The method of claim 1, wherein the receive beam is activated based at least in part on a current location or a predicted location of the UE.~~

97. The method of claim 1, wherein the receive beam is activated based at least in part on the at least one transmit beam covering the UE or covering atthe predicted location of the UE.

108. The method of claim 1, further comprising:

 performing cell reselection for a cell associated with the base station.

119. The method of claim 1, further comprising:

 identifying a moving direction of the UE; and

 identifying the at least one transmit beam based at least in part on the moving direction of the UE.

1210. The method of claim 1, further comprising:

 identifying a plurality of candidate transmit beams based at least in part on the location information, wherein the at least one transmit beam is one of the plurality of candidate transmit beams include the multiple, different transmit beams.

1311. The method of claim 1, further comprising:

identifying a plurality of candidate transmit beams based at least in part on the location information; and

_scheduling a measurement opportunity for one or more of the plurality of candidate transmit beams.

~~14~~12. A user equipment (UE) for wireless communication, comprising:

_a memory; and

_one or more processors operatively coupled to the memory, the one or more processors configured to:

_determine location information regarding the UE; and

_activate a receive beam of the UE in at least one symbol, associated with at least one transmit beam of at least one base station, based at least in part on the location information, wherein the UE is configured to activate the receive beam based at least in part on mapping information, at least partially determined by the UE, that indicates that the receive beam is associated with the location information-, wherein the mapping information relates to multiple, different transmit beams of a plurality of base stations, wherein the multiple, different transmit beams include the at least one transmit beam, wherein the plurality of base stations include the at least one base station and wherein the receive beam is activated based at least in part on a predicted location of the UE.

~~15~~13. The UE of claim ~~14~~12, wherein the one or more processors are further to:

_deactivate the receive beam of the UE in one or more symbols other than the at least one symbol.

~~16~~14. The UE of claim ~~14~~12, wherein the one or more processors are further to:

_activate a plurality of receive beams of the UE based at least in part on the location information, wherein the plurality of receive beams are associated ~~with a plurality of transmit beams of a plurality of base stations, wherein the plurality of transmit beams includes the at least one transmit beam and the plurality of base stations includes the at least one base station.~~multiple, different transmit beams.

~~17~~15. The UE of claim ~~14~~12, wherein the one or more processors are further to:

_determine or update the mapping information.

~~1816. The UE of claim 14, wherein the mapping information relates to multiple, different transmit beams of a plurality of base stations, wherein the multiple, different transmit beams includes the at least one transmit beam and the plurality of base stations includes the at least one base station.~~

~~19. The UE of claim 1812, wherein the multiple, different transmit beams are determined based at least in part on a vendor or type of the plurality of base stations.~~

~~20. The UE of claim 14, wherein the receive beam is activated based at least in part on a current location or a predicted location of the UE.~~

~~21. The UE of claim 1417. The UE of claim 12, wherein the one or more processors are further to:~~

~~_perform cell reselection for a cell associated with the base station.~~

~~2218. The UE of claim 1412, where the one or more processors are further to:~~

~~_identify a moving direction of the UE; and~~

~~_identify the at least one transmit beam based at least in part on the moving direction of the UE.~~

19. The UE of claim 12, wherein the multiple, different transmit beams are determined based at least in part on a vendor or type of the plurality of base stations.

~~23.20. A non-transitory computer-readable medium storing instructions for wireless communication, the instructions comprising:~~

~~_one or more instructions that, when executed by one or more processors of a user equipment (UE), cause the one or more processors to:~~

~~determine location information regarding the UE; and~~

~~_activate a receive beam of the UE in at least one symbol, associated with at least one transmit beam of at least one base station, based at least in part on the location information, wherein the UE is configured to activate the receive beam based at least in part on mapping information, at least partially determined by the UE, that indicates that the receive beam is associated with the location information-, wherein~~

the mapping information relates to multiple, different transmit beams of a plurality of base stations, wherein the multiple, different transmit beams include the at least one transmit beam, wherein the plurality of base stations include the at least one base station and wherein the receive beam is activated based at least in part on a predicted location of the UE.

~~24. The non-transitory computer-readable medium of claim 23~~21. The non-transitory computer-readable medium of claim 20, wherein the one or more instructions, when executed by the one or more processors, cause the one or more processors to:
_deactivate the receive beam of the UE in one or more symbols other than the at least one symbol.

~~25~~22. The non-transitory computer-readable medium of claim 23~~20~~, wherein the one or more instructions, when executed by the one or more processors, cause the one or more processors to, wherein the one or more processors are further to:
_activate a plurality of receive beams of the UE based at least in part on the location information, wherein the plurality of receive beams are associated with a plurality of the multiple, different transmit beams of a plurality of base stations, wherein the plurality of transmit beams includes the at least one transmit beam and the plurality of base stations includes the at least one base station.

~~26~~23. The non-transitory computer-readable medium of claim 23~~20~~, wherein the one or more instructions, when executed by the one or more processors, cause the one or more processors to, wherein the one or more processors are further to:
_determine or update the mapping information.

~~27. The non-transitory computer-readable medium of claim 23, wherein the mapping information relates to multiple, different transmit beams of a plurality of base stations, wherein the multiple, different transmit beams includes the at least one transmit beam and the plurality of base stations includes the at least one base station.~~

~~28~~24. An apparatus for wireless communication, comprising:
means for determining location information regarding the apparatus; and

means for activating a receive beam of the apparatus in at least one symbol, associated with at least one transmit beam of at least one base station, based at least in part on the location information, wherein the apparatus is configured to activate the receive beam based at least in part on mapping information, at least partially determined by the apparatus, that indicates that the receive beam is associated with the location information-, wherein the mapping information relates to multiple, different transmit beams of a plurality of base stations, wherein the multiple, different transmit beams include the at least one transmit beam, wherein the plurality of base stations include the at least one base station and wherein the receive beam is activated based at least in part on a predicted location of the apparatus.

~~29. The apparatus of claim 28, further comprising:~~ 25. The apparatus of claim 24, further comprising: means for deactivating the receive beam of the apparatus in one or more symbols other than the at least one symbol.

~~30. The apparatus of claim 28, further comprising:
means for determining or updating the mapping information.~~

26. The apparatus of claim 24, further comprising: means for determining or updating the mapping information.

27. The apparatus of claim 24, wherein the receive beam is activated based at least in part on the at least one transmit beam covering the predicted location of the apparatus.

28. The apparatus of claim 24, wherein the predicted location of the apparatus is determined based at least in part on a moving direction of the apparatus.

29. The non-transitory computer-readable medium of claim 20, wherein the multiple, different transmit beams are determined based at least in part on a vendor or type of the plurality of base stations.

30. The apparatus of claim 24, wherein the multiple, different transmit beams are determined based at least in part on a vendor or type of the plurality of base stations.