~~CLAIMS~~

~~**What is claimed is:**~~

CLAIMS

1.——A method for wireless communication at a user equipment (UE), comprising:

monitoring a search space for a common physical downlink control channel associated with a transmission opportunity;

identifying at least one transmission beam associated with the UE for use by a base station during the transmission opportunity, the identifying based at least in part on the common physical downlink control channel; and

receiving information using the at least one transmission beam during the transmission opportunity.

2.————The method of claim 1, further comprising:

transitioning from a sleep state to an active state based at least in part on identifying the at least one transmission beam, wherein receiving the information is based at least in part on transitioning from the sleep state to the active state.

3.————The method of claim 2, further comprising:

determining that the at least one transmission beam is to be used to communicate information with the UE during the transmission opportunity, wherein transitioning from the sleep state to the active state is based at least in part on determining that the at least one transmission beam is to be used to communicate information with the UE during the transmission opportunity.

4.————The method of claim 2, further comprising:

identifying an identifier of a group of UEs scheduled to receive information during the transmission opportunity included in the common physical downlink control channel, wherein transitioning from the sleep state to the active state is based at least in part on identifying the group of UEs scheduled to receive information during the transmission opportunity.

5. The method of claim 2, further comprising:

identifying a transmission configuration indicator (TCI) based at least in part on the common physical downlink control channel, wherein transitioning from the sleep state to the active state is based at least in part on identifying the TCI.

6. The method of claim 5, further comprising:

identifying a group of UEs scheduled to receive information during the transmission opportunity based at least in part on the TCI included in the common physical downlink control channel, wherein identifying the at least one transmission beam is based at least in part on identifying the group of UEs scheduled to receive information during the transmission opportunity.

7. The method of claim 1, further comprising:

monitoring a second search space associated with the transmission opportunity based at least in part on identifying the at least one transmission beam, wherein receiving the information using the at least one transmission beam during the transmission opportunity is based at least in part on monitoring the second search space.

8. The method of claim 7, wherein monitoring the second search space comprises:

dynamically activating at least a portion of the UE based at least in part on the common physical downlink control channel.

9. The method of claim 1, wherein monitoring the search space comprises:

monitoring the search space on a primary cell, the method further comprising; and

tuning, for a secondary cell, a receiver of the UE based at least in part on monitoring the search space on the primary cell, wherein receiving the information using the at least one transmission beam during the transmission opportunity is based at least in part on tuning, for the secondary cell, the receiver of the UE.

10. The method of claim 9, wherein the primary cell is a sub-6 gigahertz cell and the secondary cell is a millimeter wave (mmW) cell.

11. The method of claim 1, further comprising:

receiving a plurality of beams that include the common physical downlink control channel based at least in part on monitoring the search space, wherein identifying the at least one transmission beam is based at least in part on receiving at least one of the plurality of beams that includes the common physical downlink control channel.

12. The method of claim 1, further comprising:

identifying a periodicity for monitoring the search space different than a current periodicity for monitoring the search space based at least in part on the common physical downlink control channel; and

monitoring a second search space based at least in part on identifying the periodicity.

13. The method of claim 1, further comprising:

receiving the common physical downlink control channel based at least in part on monitoring the search space, wherein identifying the at least one transmission beam is based at least in part on receiving the common physical downlink control channel; or

entering, by the UE, a sleep state to conserve power, wherein monitoring the search space is based at least in part on entering the sleep state.

14. The method of claim 1, further comprising:

identifying a second transmission beam that will not be used by the base station during the transmission opportunity based at least in part on the common physical downlink control channel;

determining that the second transmission beam is associated with the UE; and

transitioning from an active state to a sleep state based at least in part on identifying the second transmission beam that will not be used by the base station during the transmission opportunity and determining that the second transmission beam is associated with the UE.

15. A method for wireless communication by a base station, comprising:

identifying at least one transmission beam and information for a transmission to a user equipment (UE);

); transmitting a common physical downlink control channel comprising an indication of the at least one transmission beam to the UE; and

transmitting the information to the UE using the at least one transmission beam during a transmission opportunity based at least in part on transmitting the common physical downlink control channel.

16. The method of claim 15, wherein the common physical downlink control channel comprises an indication signal for the UE to determine whether the UE is to monitor subsequent dedicated PDCCH monitoring occasions based at least in part on identifying the at least one transmission beam included in the common physical downlink control channel.

17. The method of claim 15, further comprising:

identifying a group of UEs that comprise the UE based at least in part on identifying the information waiting to be transmitted to the UE, wherein the common physical downlink control channel comprises an indication of the group of UEs.

18. The method of claim 15, further comprising:

identifying a transmission configuration indicator (TCI) associated with the UE based at least in part on identifying the information waiting to be transmitted to the UE, wherein the common physical downlink control channel comprises an indication of the TCI.

19. The method of claim 15, further comprising:

performing an initialization procedure to associate one or more transmission beams with the UE or a group of UEs, the one or more transmission beams for use to communicate information with the UE or the group of UEs during the transmission opportunity, wherein identifying the at least one transmission beam is based at least in part on performing the initialization procedure.

20. The method of claim 15, wherein transmitting the common physical downlink control channel comprises:

transmitting the common physical downlink control channel that includes a list of a plurality of transmission beams the base station intends to use during the transmission opportunity to transmit information with a plurality of UEs.

21. The method of claim 15, wherein transmitting the common physical downlink control channel comprises:

transmitting the common physical downlink control channel over a primary cell, and wherein transmitting the information comprises:

transmitting the information over a secondary cell.

22. The method of claim 21, wherein the primary cell is a sub-6 gigahertz cell and the secondary cell is a millimeter wave (mmW) cell.

23. The method of claim 15, further comprising:

transmitting a plurality of beams that include the common physical downlink control channel in a beam sweeping pattern, wherein transmitting the plurality of beams comprises transmitting the common physical downlink control channel; or

identifying a periodicity for the UE to monitor a search space different than a current periodicity, wherein the common physical downlink control channel includes an indication of the periodicity.

24. A method for wireless communication at a user equipment (UE), comprising:

monitoring, using a first periodicity, a search space for a common physical downlink control channel associated with a transmission opportunity;

detecting the common physical downlink control channel based at least in part on monitoring the search space using the first periodicity;

identifying a second periodicity for monitoring the search space based at least in part on information included in the common physical downlink control channel; and

monitoring, using the second periodicity, the search space for a second common physical downlink control channel based at least in part on identifying the second periodicity.

25. The method of claim 24, further comprising:

determining that a duration since the common physical downlink control channel is detected satisfies a threshold, wherein identifying the second periodicity is based at least in part on the duration satisfying the threshold.

26. The method of claim 24, further comprising:

determining that at least a portion of the transmission opportunity includes information for the UE, wherein identifying the second periodicity is based at least in part on identifying that the portion of the transmission opportunity includes information for the UE.

27. The method of claim 24, wherein detecting the common physical downlink control channel comprises:

detecting that the common physical downlink control channel indicates the second periodicity.

28. A method for wireless communication at a base station, comprising:

identifying information for transmitting to a user equipment (UE);

identifying a periodicity for the UE to monitor a search space, the periodicity different than a current periodicity;

transmitting, to the UE, a common physical downlink control channel that comprises an indication of the periodicity; and

transmitting, to the UE, the information during a transmission opportunity based at least in part on transmitting the common physical downlink control channel.

29. The method of claim 28, further comprising:

identifying at least one transmission beam for communicating the information by the base station, wherein the common physical downlink control channel comprises a second indication of the at least one transmission beam.

30. The method of claim 28, further comprising:

determining that at least a portion of the transmission opportunity comprises information for the UE, wherein identifying the periodicity is based at least in part on identifying that the portion of the transmission opportunity comprises information for the UE.

~~31. An apparatus for wireless communication, comprising:~~

~~means for monitoring a search space for a common physical downlink control channel associated with a transmission opportunity;~~

~~means for identifying at least one transmission beam for use by a base station during the transmission opportunity based at least in part on the common physical downlink control channel; and~~

~~means for receiving information using the at least one transmission beam during the transmission opportunity.~~

~~32. An apparatus for wireless communication, comprising:~~

~~means for identifying at least one transmission beam and information for a transmission to a UE;~~

~~means for transmitting a common physical downlink control channel comprising an indication of the at least one transmission beam to the UE; and~~

~~means for transmitting the information to the UE using the at least one transmission beam during a transmission opportunity based at least in part on transmitting the common physical downlink control channel.~~

~~33. An apparatus for wireless communication, comprising:~~

~~means for monitoring, using a first periodicity, a search space for a common physical downlink control channel associated with a transmission opportunity;~~

~~means for detecting the common physical downlink control channel based at least in part on monitoring the search space using the first periodicity;~~

~~means for identifying a second periodicity for monitoring the search space based at least in part on information included in the common physical downlink control channel; and~~

~~means for monitoring, using the second periodicity, the search space for a second common physical downlink control channel based at least in part on identifying the second periodicity.~~

34. An apparatus for wireless communication, comprising:

means for identifying information for transmitting to a user equipment (UE);

means for identifying a periodicity for the UE to monitor a search space, the periodicity different than a current periodicity;

means for transmitting, to the UE, a common physical downlink control channel that comprises an indication of the periodicity; and

means for transmitting, to the UE, the information during a transmission opportunity based at least in part on transmitting the common physical downlink control channel.