

CLAIMS

1. A method for wireless communications by a user equipment (UE), comprising:
determining a resource allocation pattern that defines resources for communicating, from a plurality of configured resource allocation patterns, wherein at least one of the plurality of configured resource allocation patterns comprises a plurality of resource elements with at least a first resource element associated with a first resource allocation restriction and at least a second resource element associated with a second resource allocation restriction; and
communicating based on the determined resource allocation pattern.
2. The method of claim 1, wherein the determination of the resource allocation pattern is based on at least one parameter associated with a transmission.
3. The method of claim 2, wherein the at least one parameter comprises a service type for the transmission.
4. The method of claim 3, wherein the service type comprises at least one of: enhanced mobile broadband (eMBB), ultra-reliable low latency communication (URLLC), mission critical (MiCr), or massive machine type communications (mMTC).
5. The method of claim 2, wherein the at least one parameter comprises a slot configuration for the transmission.
6. The method of claim 2, wherein the at least one parameter comprises whether the transmission is for uplink, downlink, or sidelink; a component-carrier (CC) used for the transmission; a subband used for the transmission; a transmission time interval (TTI) length of the transmission; a channel used for the transmission; a subframe used for the transmission, or a location of the UE in a cell.
7. The method of claim 1, wherein determining the resource allocation pattern comprises receiving signaling from a base station (BS) indicating the resource allocation pattern.

8. The method of claim 7, wherein the received signaling from the BS comprises:
an indication in a control channel indicating the resource allocation pattern; or
a first activation message indicating to use the resource allocation pattern until a second activation message or a release message is received.
9. The method of claim 1, wherein determining the resource allocation pattern comprises at least one of:
receiving a semi-static configuration of the resource allocation pattern; or
blindly detecting the resource allocation pattern.
10. The method of claim 1, wherein the resource allocation pattern defines at least one of: contiguous resources or non-contiguous resources to use for the communicating.
11. The method of claim 1, wherein the first resource element and the second resource element are associated with different frequency resources in a same symbol.
12. The method of claim 1, wherein the first resource element is associated with a first symbol, and the second resource element is associated with a second symbol, different from the first symbol.
13. The method of claim 1, wherein the first resource element and the second resource element are available for the communication, and wherein the first resource allocation restriction defines a first transmit power higher than a second transmit power defined by the second resource allocation restriction.
14. The method of claim 1, wherein the first resource element is available for the communication, and the second resource element is excluded for the communication.
15. The method of claim 1, wherein the resource allocation pattern is UE-specific.
16. A method for wireless communications by a base station (BS), comprising:
determining a resource allocation pattern, from a plurality of resource allocation patterns configured for a user equipment (UE), that defines resources for communicating, wherein at least one of the plurality of configured resource allocation

patterns comprises a plurality of resource elements with at least a first resource element associated with a first resource allocation restriction and at least a second resource element associated with a second resource allocation restriction;

providing an indication to the UE of the resource allocation pattern to use for communicating; and

communicating based on the determined resource allocation pattern.

17. The method of claim 16, wherein the determination of the resource allocation pattern is based on at least one parameter associated with a transmission.

18. The method of claim 17, wherein the at least one parameter comprises a service type for the transmission.

19. The method of claim 18, wherein the service type comprises at least one of: enhanced mobile broadband (eMBB), ultra-reliable low latency communication (URLLC), mission critical (MiCr), or massive machine type communications (mMTC).

20. The method of claim 17, wherein the at least one parameter comprises a slot configuration for the transmission.

21. The method of claim 17, wherein the at least one parameter comprises whether the transmission is for uplink, downlink, or sidelink; a component-carrier (CC) used for the transmission; a subband used for the transmission; a transmission time interval (TTI) length of the transmission; a channel used for the transmission; a subframe used for the transmission, or a location of the UE in a cell.

22. The method of claim 16, wherein the indication is provided via:
a control channel; or
a first activation message indicating to use the resource allocation pattern until a second activation message or a release message is received.

23. The method of claim 16, wherein the resource allocation pattern defines at least one of: contiguous resources or non-contiguous resources to use for the communicating.

24. The method of claim 16, wherein the first resource element and the second resource element are associated with different frequency resources in a same symbol.
25. The method of claim 16, wherein the first resource element is associated with a first symbol, and the second resource element is associated with a second symbol, different from the first symbol.
26. The method of claim 16, wherein the first resource element and the second resource element are available for the communication, and wherein the first resource allocation restriction defines a first transmit power higher than a second transmit power defined by the second resource allocation restriction.
27. The method of claim 16, wherein the first resource element is available for the communication, and the second resource element is excluded for the communication.
28. The method of claim 16, wherein the resource allocation pattern is UE-specific.
29. An apparatus for wireless communications by a user equipment (UE), comprising:
at least one processor coupled with a memory and configured to determine a resource allocation pattern that defines resources for communicating, from a plurality of configured resource allocation patterns, wherein at least one of the plurality of configured resource allocation patterns comprises a plurality of resource elements with at least a first resource element associated with a first resource allocation restriction and at least a second resource element associated with a second resource allocation restriction; and
a transceiver configured to communicate based on the determined resource allocation pattern.
30. An apparatus for wireless communications by a base station (BS), comprising:
at least one processor coupled with a memory and configured to determine a resource allocation pattern, from a plurality of resource allocation patterns configured for a user equipment (UE), that defines resources for communicating, wherein at least one of the plurality of configured resource allocation patterns comprises a plurality of

resource elements with at least a first resource element associated with a first resource allocation restriction and at least a second resource element associated with a second resource allocation restriction;

a transceiver configured to provide an indication to the UE of the resource allocation pattern to use for communicating; and communicate based on the determined resource allocation pattern.