

CLAIMS

1. A method of wireless communication performed by a user equipment (UE), comprising: detecting a power headroom report (PHR) trigger, wherein the UE is configured to transmit uplink communications using a plurality of carriers; identifying, based at least in part on detecting the PHR trigger, a set of carriers, of the plurality of carriers, that is to be ignored when calculating a power headroom associated with a carrier of the plurality of carriers; and calculating the power headroom based at least in part on an uplink transmission, associated with the carrier, based at least in part on ignoring the set of carriers that is to be ignored, and based at least in part on a particular uplink transmission associated with another carrier of the plurality of carriers, wherein a subcarrier spacing, associated with the other carrier, is higher than a subcarrier spacing of the carrier.
2. The method of claim 1, wherein the set of carriers is identified based at least in part on determining that a set of uplink grants was received by the UE after a particular time, wherein each uplink grant, of the set of uplink grants, is associated with a respective carrier of the set of carriers.
3. The method of claim 2, wherein the particular time is a time at which a first grant was received after the PHR trigger was detected.
4. The method of claim 1, wherein the set of carriers is identified based at least in part on determining that the UE has no uplink grants associated with the set of carriers.
5. The method of claim 1, wherein the set of carriers is identified based at least in part on determining that a set of uplink grants was received by the UE after a threshold amount of time from a time at which an uplink grant, associated with the carrier, was received by the UE, wherein each uplink grant, of the set of uplink grants, is associated with a respective carrier of the set of carriers.
6. The method of claim 1, wherein the particular uplink transmission is one of at least two uplink transmissions associated with the other carrier, wherein the at least two uplink transmissions at least partially overlap the uplink transmission associated with the carrier.
7. The method of claim 6, wherein the particular uplink transmission is a first uplink transmission of the at least two uplink transmissions.
8. The method of claim 6, wherein the particular uplink transmission is a last uplink transmission of the at least two uplink transmissions.
9. The method of claim 6, wherein the particular uplink transmission is an uplink transmission, of the at least two uplink transmissions, with a smallest power headroom.
10. The method of claim 6, wherein the uplink transmission is a particular one of at least two uplink transmissions associated with the carrier.
11. 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: detect a power headroom report (PHR) trigger, wherein the UE is configured to transmit uplink communications using a plurality of carriers; identify, based at least in part on detecting the PHR trigger, a set of carriers, of the plurality of carriers, that is to be ignored

when calculating a power headroom associated with a carrier of the plurality of carriers; and calculate the power headroom based at least in part on an uplink transmission, associated with the carrier, based at least in part on ignoring the set of carriers that is to be ignored, and based at least in part on a particular uplink transmission associated with another carrier of the plurality of carriers, wherein a subcarrier spacing, associated with the other carrier, is higher than a subcarrier spacing of the carrier.

12. The UE of claim 11, wherein the set of carriers is identified based at least in part on determining that a set of uplink grants was received by the UE after a particular time, wherein each uplink grant, of the set of uplink grants, is associated with a respective carrier of the set of carriers.

13. The UE of claim 12, wherein the particular time is a time at which a first grant was received after the PHR trigger was detected.

14. The UE of claim 11, wherein the set of carriers is identified based at least in part on determining that the UE has no uplink grants associated with the set of carriers.

15. The UE of claim 11, wherein the set of carriers is identified based at least in part on determining that a set of uplink grants was received by the UE after a threshold amount of time from a time at which an uplink grant, associated with the carrier, was received by the UE, wherein each uplink grant, of the set of uplink grants, is associated with a respective carrier of the set of carriers.

16. The UE of claim 11, wherein the particular uplink transmission is one of at least two uplink transmissions associated with the other carrier, wherein the at least two uplink transmissions at least partially overlap the uplink transmission associated with the carrier.

17. The UE of claim 16, wherein the particular uplink transmission is a first uplink transmission of the at least two uplink transmissions.

18. The UE of claim 16, wherein the particular uplink transmission is a last uplink transmission of the at least two uplink transmissions.

19. The UE of claim 16, wherein the particular uplink transmission is an uplink transmission, of the at least two uplink transmissions, with a smallest power headroom.

20. The UE of claim 16, wherein the uplink transmission is a particular one of at least two uplink transmissions associated with the carrier.

21. A non-transitory computer-readable medium storing one or more instructions for wireless communication, the one or more instructions comprising: one or more instructions that, when executed by one or more processors of a user equipment, cause the one or more processors to: detect a power headroom report (PHR) trigger, wherein the UE is configured to transmit uplink communications using a plurality of carriers; identify, based at least in part on detecting the PHR trigger, a set of carriers, of the plurality of carriers, that is to be ignored when calculating a power headroom associated with a carrier of the plurality of carriers; and calculate the power headroom based at least in part on an uplink transmission, associated with the carrier, based at least in part on ignoring the set of carriers that is to be ignored, and based at least in part on a particular uplink transmission associated with another carrier of the

plurality of carriers, wherein a subcarrier spacing, associated with the other carrier, is higher than a subcarrier spacing of the carrier.

22. The non-transitory computer-readable medium of claim 21, wherein the set of carriers is identified based at least in part on determining that a set of uplink grants was received by the UE after a particular time, wherein each uplink grant, of the set of uplink grants, is associated with a respective carrier of the set of carriers.

23. The non-transitory computer-readable medium of claim 22, wherein the particular time is a time at which a first grant was received after the PHR trigger was detected.

24. The non-transitory computer-readable medium of claim 21, wherein the set of carriers is identified based at least in part on determining that the UE has no uplink grants associated with the set of carriers.

25. The non-transitory computer-readable medium of claim 21, wherein the set of carriers is identified based at least in part on determining that a set of uplink grants was received by the UE after a threshold amount of time from a time at which an uplink grant, associated with the carrier, was received by the UE, wherein each uplink grant, of the set of uplink grants, is associated with a respective carrier of the set of carriers.

26. The non-transitory computer-readable medium of claim 21, wherein the particular uplink transmission is one of at least two uplink transmissions associated with the other carrier, wherein the at least two uplink transmissions at least partially overlap the uplink transmission associated with the carrier.

27. An apparatus for wireless communication, comprising: means for detecting a power headroom report (PHR) trigger, wherein the apparatus is configured to transmit uplink communications using a plurality of carriers; means for identifying, based at least in part on detecting the PHR trigger, a set of carriers, of the plurality of carriers, that is to be ignored when calculating a power headroom associated with a carrier of the plurality of carriers; and means for calculating the power headroom based at least in part on an uplink transmission, associated with the carrier, based at least in part on ignoring the set of carriers that is to be ignored, and based at least in part on a particular uplink transmission associated with another carrier of the plurality of carriers, wherein a subcarrier spacing, associated with the other carrier, is higher than a subcarrier spacing of the carrier.

28. The apparatus of claim 27, wherein the set of carriers is identified based at least in part on determining that a set of uplink grants was received by the UE after a particular time, wherein each uplink grant, of the set of uplink grants, is associated with a respective carrier of the set of carriers.

29. The apparatus of claim 27, wherein the particular uplink transmission is one of at least two uplink transmissions associated with the other carrier, wherein the at least two uplink transmissions at least partially overlap the uplink transmission associated with the carrier.

30. The apparatus of claim 29, wherein the particular uplink transmission is an uplink transmission, of the at least two uplink transmissions, with a smallest power headroom.