CLAIMS

1. A method of wireless communication, comprising: transmitting a first subframe comprising a first grant that includes information for one or more transmissions on allocated resources in the first subframe, wherein the first subframe comprises more uplink symbols than downlink symbols; and transmitting the first subframe with a second grant that allocates resources in at least a second subframe to occur after the first subframe, wherein: the second grant comprises information indicating an expected location to receive the first grant in at least one of the first subframe or a subsequent subframe; the second grant comprises information for generating a demodulation reference signal (DMRS) in the second subframe; and the information for generating the DMRS comprises at least a number of resource blocks for the DMRS.

2. The method of claim 1, wherein: the information for generating the DMRS further comprises rank information.

3. The method of claim 1, further comprising at least one of: configuring the second grant to comprise information indicating at least one subframe in which to perform an uplink transmission; or transmitting the second grant only when information in the second grant has changed relative to a previous transmission of the second grant.

4. The method of claim 1, wherein the first grant comprises information indicating a modulation and coding scheme.

5. The method of claim 1, wherein the first grant and the second grant are transmitted in different control channels.

6. The method of claim 1, wherein: the second grant also allocates resources in the first subframe; and a search space of the second grant is limited to a first symbol of the first subframe.

7. The method of claim 1, further comprising: configuring a third grant to comprise information for generating a reference signal in the second subframe; and transmitting the third grant within a data portion of a downlink subframe having more downlink symbols than uplink symbols.

8. A method of wireless communication by a user equipment (UE), comprising: receiving, in a first subframe comprising more uplink symbols than downlink symbols, a first grant that includes information for one or more transmissions on allocated resources in the first subframe; and receiving, in the first subframe a second grant that allocates resources in at least a second subframe to occur after the first subframe, wherein: the second grant comprises information indicating an expected location to receive the first grant in at least one of the first subframe or a subsequent subframe; the second grant comprises information for generating a demodulation reference signal (DMRS) in the second subframe; and the information for generating the DMRS comprises at least a number of resource blocks for the DMRS.

9. The method of claim 8, wherein: the information for generating the DMRS further comprises rank information.

10. The method of claim 8, wherein at least one of: the second grant comprises information indicating at least one subframe in which to perform an uplink transmission; or the second grant is received only when information in the second grant has changed relative to a previous transmission of the second grant.

11. The method of claim 8, wherein the first grant comprises information indicating a modulation and coding scheme.

12. The method of claim 8, wherein the first grant and the second grant are received in different control channels.

13. The method of claim 8, wherein: the second grant also allocates resources in the first subframe; and a search space of the second grant is limited to a first symbol of the first subframe.

14. The method of claim 8, further comprising receiving a third grant within a data portion of a downlink subframe having more downlink symbols than uplink symbols, wherein the third grant comprises information for generating a reference signal in the second subframe.

15. An apparatus for wireless communication, comprising: at least one processor configured to: generate a first grant that includes information for one or more transmissions on allocated resources in a first subframe comprising more uplink symbols than downlink symbols; generate a second grant that allocates resources in at least a second subframe to occur after the first subframe, wherein: the second grant comprises information indicating an expected location to receive the first grant in at least one of the first subframe or a subsequent subframe; the second grant comprises information for generating a demodulation reference signal (DMRS) in the second subframe; and the information for generating the DMRS comprises at least a number of resource blocks for the DMRS; and a transmitter configured to transmit the first grant and the second grant in the first subframe.

16. The apparatus of claim 15, wherein: the information for generating the DMRS further comprises rank information.

17. The apparatus of claim 15, wherein at least one of: the second grant comprises information indicating at least one subframe in which to perform an uplink transmission; or the transmitter is further configured to transmit the second grant only when information in the second grant has changed relative to a previous transmission of the second grant.

18. The apparatus of claim 15, wherein the first grant comprises information indicating a modulation and coding scheme.

19. The apparatus of claim 15, wherein the first grant and the second grant are transmitted in different control channels.

20. The apparatus of claim 15, wherein: the second grant also allocates resources in the first subframe; and a search space of the second grant is limited to a first symbol of the first subframe.

21. An apparatus for wireless communications, comprising: a receiver configured to: receive, in a first subframe comprising more uplink symbols than downlink symbols, a first grant that includes information for one or more transmissions on allocated resources in the first subframe; and receive, in the first subframe a second grant that allocates resources in at least a second subframe to occur after the first subframe, wherein: the second grant comprises information indicating an expected location to receive the first grant in at least one of the first subframe or a subsequent subframe; the second grant comprises information for generating a demodulation reference signal (DMRS) in the second subframe; and the information for generating the DMRS comprises at least a number of resource blocks for the DMRS.

22. The apparatus of claim 21, wherein: the information for generating the DMRS further comprises rank information.

23. The apparatus of claim 21, wherein at least one of: the second grant comprises information indicating at least one subframe in which to perform an uplink transmission; or the second grant is only received when the information in the second grant has changed relative to a previous transmission of the second grant.

24. The apparatus of claim 21, wherein the first grant comprises information indicating a modulation and coding scheme.

25. The apparatus of claim 21, wherein the first grant and the second grant are received in different control channels.

26. The apparatus of claim 21, wherein: the second grant also allocates resources in the first subframe; and a search space of the second grant is limited to a first symbol of the first subframe.

27. The apparatus of claim 21, wherein the receiver is further configured to receive a third grant within a data portion of a downlink subframe having more downlink symbols than uplink symbols, wherein the third grant comprises information for generating a reference signal in the second subframe.