CLAIMS

1. A method of wireless communication, comprising: receiving, by a wireless communication device from a first group of one or more transmission/reception points (TRPs), a first signal during a first time period, the first signal including a first portion of a transport block (TB); and receiving, by the wireless communication device from a second group of one or more TRPs, a second signal during a second time period, the second signal including a second portion of the TB different from the first portion, wherein at least one TRP in the second group is not in the first group.

2. The method of claim 1, wherein the first group includes a different number of TRPs than the second group.

3. The method of claim 1, wherein the first group and the second group include a same number of TRPs.

4. The method of claim 1, wherein the first time period and the second time period are different time periods.

5. The method of claim 1, further comprising: receiving, by the wireless communication device from at least one TRP in the first group, a scheduling grant indicating at least one of: a first modulation and coding scheme (MCS) for the first portion of the TB and a second MCS for the second portion of the TB; a duration of the first time period and a duration of the second time period; a reference signal in the first signal and a reference signal in the second signal; or whether a channel parameter of the reference signal in the first signal is associated with a channel parameter of the reference signal in the second signal.

6. The method of claim 1, wherein the first portion of the TB is associated with a first code block group (CBG), wherein the second portion of the TB is associated with a second CBG different from the first CBG, and wherein the method further comprises: transmitting, by the wireless communication device, a feedback for the first CBG; and transmitting, by the wireless communication device, a feedback for the second CBG.

7. A method of wireless communication, comprising: determining, by a network unit, a first time period for a first group of one or more transmission/reception points (TRPs) to transmit a first signal to a wireless communication device, the first signal including a first portion of a transport block (TB); determining, by the network unit, a second time period for a second group of one or more TRPs to transmit a second signal to the wireless communication device, the second signal including a second portion of the TB different from the first portion, wherein at least one TRP in the second group is not in the first group; and transmitting, by the network unit to the wireless communication device via at least a first TRP associated with the network unit in the first group, the first signal during the first time period.

8. The method of claim 7, wherein the first group includes a different number of TRPs than the second group.

9. The method of claim 7, wherein the first group and the second group include a same number of TRPs.

10. The method of claim 7, wherein the first time period and the second time period are different time periods.

11. The method of claim 7, further comprising: transmitting, by the network unit to the wireless communication device via at least the first TRP, a scheduling grant indicating: a first modulation and coding scheme (MCS) for the first portion of the TB and a second MCS for the second portion of the TB; timing information associated with the first time period and the second time period; a reference signal in the first signal and a reference signal in the second signal; or whether a channel parameter of the reference signal in the first signal is associated with a channel parameter of the reference signal in the second signal.

12. The method of claim 7, wherein the first portion of the TB is associated with a first code block group (CBG), wherein the second portion of the TB is associated with a second CBG different from the first CBG, and wherein the method further comprises receiving, by the network unit, a feedback for the first CBG; and receiving, by the network unit, a feedback for the second CBG.

13. The method of claim 7, wherein the first TRP is associated with the network unit, wherein at least a second TRP in the first group or the second group is associated with another network unit, and wherein at least one of: the determining the first time period includes coordinating, by the network unit with the another network unit to determine a first schedule including the first time period; or the determining the second time period includes coordinating, by the network unit with the another network unit to determine a second schedule including the second time period.

14. The method of claim 7, wherein at least a second TRP in the first group or the second group is associated with the network unit.

15. An apparatus comprising: a transceiver configured to: receive, from a first group of one or more transmission/reception points (TRPs), a first signal during a first time period, the first signal including a first portion of a transport block (TB); and receive, from a second group of one or more TRPs, a second signal during a second time period, the second signal including a second portion of the TB different from the first portion, wherein at least one TRP in the second group is not in the first group.

16. The apparatus of claim 15, wherein the transceiver is further configured to receive, from at least one TRP in the first group, a scheduling grant indicating at least one of: a first modulation and coding scheme (MCS) for the first portion of the TB and a second MCS for the second portion of the TB; a duration of the first time period and a duration of the second time period; a reference signal in the first signal and a reference signal in the second signal; or whether a channel parameter of the reference signal in the first signal is associated with a channel parameter of the reference signal in the second signal.

17. The apparatus of claim 15, wherein the first portion of the TB is associated with a first code block group (CBG), wherein the second portion of the TB is associated with a second CBG different from the first CBG, and wherein the transceiver is further configured to: transmit a feedback for the first CBG; and transmit a feedback for the second CBG.

18. An apparatus comprising: a processor configured to: determine a first time period for a first group of one or more transmission/reception points (TRPs) to transmit a first signal to a wireless communication device, the first signal including a first portion of a transport block (TB); determine a second time period for a second group of one or more TRPs to transmit a second signal to the wireless communication device, the second signal including a second portion of the TB different from the first portion, wherein at least one TRP in the second group is not in the first group; and a transceiver configured to transmit, to the wireless communication device via at least a first TRP associated with the apparatus in the first group, the first signal during the first time period.

19. The apparatus of claim 18, wherein the transceiver is further configured to transmit, to the wireless communication device via at least the first TRP, a scheduling grant indicating at least one of: a first modulation and coding scheme (MCS) for the first portion of the TB and a second MCS for the second portion of the TB; timing information associated with the first time period and the second time period; a reference signal in the first signal and a reference signal in the second signal; or whether a channel parameter of the reference signal in the first signal is associated with a channel parameter of the reference signal in the second signal.

20. The apparatus of claim 18, wherein the first portion of the TB is associated with a first code block group (CBG), wherein the second portion of the TB is associated with a second CBG different from the first CBG, and wherein the transceiver is further configured to: receive, from the wireless communication device, a feedback for the first CBG; and receive, from the wireless communication device, a feedback for the second CBG.

21. The apparatus of claim 18, wherein the first TRP is associated with the apparatus, wherein at least a second TRP in the first group or the second group is associated with a network unit, and wherein the processor is further configured to determine at least one of: the first time period by coordinating with a network unit to determine a first schedule including the first time period; or the second time period by coordinating with a network unit to determine a second schedule including the second time period.

22. The apparatus of claim 18, wherein at least a second TRP in the first group or the second group is associated with the apparatus.