CLAIMS

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

receiving, via radio resource control signaling, multiple autonomous uplink transmission configurations available to the UE for autonomous uplink transmissions, each of the multiple autonomous uplink transmission configurations being associated with an aggregation factor;

selecting an autonomous uplink transmission configuration of the multiple autonomous uplink transmission configurations for the autonomous uplink transmissions; and

transmitting the autonomous uplink transmissions in accordance with the selected autonomous uplink transmission configuration, wherein each of the autonomous uplink transmissions are transmitted to avoid use of an orphan symbol, wherein the orphan symbol is a single and only symbol of a multi-symbol transport block assigned to a slot.

2. The method of claim 1, wherein selecting the autonomous uplink transmission configuration comprises:

selecting the autonomous uplink transmission configuration of the multiple autonomous uplink transmission configurations based at least in part on a transport block size, a modulation and coding scheme, a starting symbol for the autonomous uplink transmissions, or combinations thereof.

3. A method for wireless communications at a base station, comprising:

transmitting, via radio resource control signaling, multiple autonomous uplink transmission configurations available to a user equipment (UE) for autonomous uplink transmissions, each of the multiple autonomous uplink transmission configurations being associated with an aggregation factor; and

receiving the autonomous uplink transmissions in accordance with an autonomous uplink transmission configuration of the multiple autonomous uplink transmission configurations selected by the UE, wherein each of the autonomous uplink transmissions avoids use of an orphan symbol, wherein the orphan symbol is a single and only symbol of a multi-symbol transport block assigned to a slot.

4. An apparatus for wireless communications at a user equipment (UE), comprising: a processor, memory coupled with the processor; and instructions stored in the memory and executable by the processor to cause the apparatus to:

receive, via radio resource control signaling, multiple autonomous uplink transmission configurations available to the UE for autonomous uplink transmissions, each of the multiple autonomous uplink transmission configurations being associated with an aggregation factor;

select an autonomous uplink transmission configuration of the multiple autonomous uplink transmission configurations; and

transmit the autonomous uplink transmissions in accordance with the autonomous uplink transmission configuration, wherein each of the autonomous uplink transmissions are transmitted to avoid use of an orphan symbol, wherein the orphan symbol is a single and only symbol of a multi-symbol transport block assigned to a slot.

5. The apparatus of claim 4, wherein the instructions to select the autonomous uplink transmission configuration are executable by the processor to cause the apparatus to:

select the autonomous uplink transmission configuration based at least in part on a transport block size, a modulation and coding scheme, a starting symbol for the autonomous uplink transmissions, or combinations thereof.

6. An apparatus for wireless communications at a base station, comprising: a processor, memory coupled with the processor; and instructions stored in the memory and executable by the processor to cause the apparatus to:

transmit via radio resource control signaling, multiple autonomous uplink transmission configurations available to a user equipment (UE) for autonomous uplink transmissions, each of the multiple autonomous uplink transmission configurations being associated with an aggregation factor; and

receive the autonomous uplink transmissions in accordance with an autonomous uplink transmission configuration of the multiple autonomous uplink transmission configurations selected by the UE, wherein each of the autonomous uplink transmissions avoid use of an orphan symbol, wherein the orphan symbol is a single and only symbol of a multi-symbol transport block assigned to a slot.

7. The method of claim 1, wherein transmitting the autonomous uplink transmissions in accordance with the selected autonomous uplink transmission configuration comprises:

transmitting the autonomous uplink transmissions such that a first symbol of each autonomous uplink transmission is transmitted only at predefined symbol locations within a slot or mini-slot, wherein the predefined symbol locations are associated with a length of one or more mini-slots.

8. The method of claim 1, further comprising:

identifying a demodulation reference signal configuration to be used in association with transmitting the autonomous uplink transmissions, wherein the demodulation reference signal configuration is associated with the aggregation factor of the autonomous uplink transmission configuration.

9. The method of claim 8, wherein identifying the demodulation reference signal configuration comprises:

determining the demodulation reference signal configuration based at least in part on the aggregation factor.

10. The method of claim 3, wherein receiving the autonomous uplink transmissions in accordance with the autonomous uplink transmission configuration of the multiple autonomous uplink transmission configurations selected by the UE comprises:

receiving the autonomous uplink transmissions such that a first symbol of each autonomous uplink transmission is received only at predefined symbol locations within a slot or mini-slot, wherein the predefined symbol locations are associated with a length of one or more mini-slots.

11. The method of claim 3, further comprising:

identifying a demodulation reference signal configuration to be used in association with receiving the autonomous uplink transmissions, wherein the demodulation reference signal configuration is associated with the aggregation factor of the autonomous uplink transmission configuration.

12. The method of claim 11, wherein identifying the demodulation reference signal configuration comprises:

determining the demodulation reference signal configuration based at least in part on the aggregation factor.

13. The apparatus of claim 4, wherein the instructions to transmit the autonomous uplink transmissions in accordance with the autonomous uplink transmission configuration are executable by the processor to cause the apparatus to:

transmit the autonomous uplink transmissions such that a first symbol of each autonomous uplink transmission is transmitted only at predefined symbol locations within a slot or mini-slot, wherein the predefined symbol locations are associated with a length of one or more mini-slots.

14. The apparatus of claim 4, wherein the instructions are further executable by the processor to cause the apparatus to:

identify a demodulation reference signal configuration to be used in association with transmitting the autonomous uplink transmissions, wherein the demodulation reference signal configuration is associated with the aggregation factor of the autonomous uplink transmission configuration.

15. The apparatus of claim 14, wherein the instructions to identify the demodulation reference signal configuration are further executable by the processor to cause the apparatus to:

determine the demodulation reference signal configuration based at least in part on the aggregation factor.

16. The apparatus of claim 6, wherein the instructions to receive the autonomous uplink transmissions in accordance with the autonomous uplink transmission configuration of the multiple autonomous uplink transmission configurations selected by the UE are further executable by the processor to cause the apparatus to:

receive the autonomous uplink transmissions such that a first symbol of each autonomous uplink transmission is received only at predefined symbol locations within a slot or mini-slot, wherein the predefined symbol locations are associated with a length of one or more mini-slots in the slot.

17. The apparatus of claim 6, wherein the instructions are further executable by the processor to cause the apparatus to:

identify a demodulation reference signal configuration to be used in association with receiving the autonomous uplink transmissions, wherein the demodulation reference signal configuration is associated with the aggregation factor of the autonomous uplink transmission configuration.

18. The apparatus of claim 17, wherein the instructions to identify the demodulation reference signal configuration are further executable by the processor to cause the apparatus to:

determine the demodulation reference signal configuration based at least in part on the aggregation factor.

19. The method of claim 1, wherein each autonomous uplink transmission comprises multiple symbols.

20. The method of claim 3, wherein each autonomous uplink transmission comprises multiple symbols.

21. The apparatus of claim 4, wherein each autonomous uplink transmission comprises multiple symbols.

22. The apparatus of claim 6, wherein each autonomous uplink transmission comprises multiple symbols.

23. The method of claim 1, wherein transmitting the autonomous uplink transmissions includes:

transmitting the autonomous uplink transmissions in accordance with the selected configuration to indicate that the aggregation factor associated with the selected configuration is to be used for the autonomous uplink transmissions.

24. The method of claim 3, wherein receiving the autonomous uplink transmissions includes:

receiving the autonomous uplink transmissions in accordance with the selected configuration to determine that the aggregation factor associated with the selected configuration is to be used for the autonomous uplink transmissions.

25. The apparatus of claim 4, wherein the instructions to transmit the autonomous uplink transmissions are executable by the processor to cause the apparatus to:

transmit the autonomous uplink transmissions in accordance with the selected configuration to indicate that the aggregation factor associated with the selected configuration is to be used for the autonomous uplink transmissions.

26. The apparatus of claim 6, wherein the instructions to receive the autonomous uplink transmissions are executable by the processor to cause the apparatus to:

receive the autonomous uplink transmissions in accordance with the selected configuration to determine that the aggregation factor associated with the selected configuration is to be used for the autonomous uplink transmissions.