

WHAT IS CLAIMED IS:

1. A method of wireless communication performed by a user equipment (UE), comprising:
determining a transmission gap for a set of transmissions including a first type of transmission and a second type of transmission based at least in part on at least one of a sounding reference signal parameter, a numerology parameter, or an antenna parameter; and
transmitting at least one transmission, of the set of transmissions, in accordance with the transmission gap for the set of transmissions based at least in part on determining the transmission gap for the set of transmissions.
2. The method of claim 1, wherein the antenna parameter relates to at least one antenna selected for the set of transmissions.
3. The method of claim 1, wherein the transmission gap for the set of transmissions is between a physical uplink control channel transmission and a sounding reference signal transmission.
4. The method of claim 1, wherein the transmission gap for the set of transmissions is between a physical uplink shared channel transmission and a sounding reference signal transmission.
5. The method of claim 1, wherein the transmission gap for the set of transmissions is selected as a largest of a plurality of candidate transmission gaps.
6. The method of claim 5, wherein the plurality of candidate transmission gaps relate to a plurality of use cases associated with the sounding reference signal parameter.
7. The method of claim 1, wherein the sounding reference signal parameter is related to at least one of an uplink codebook precoding parameter, an uplink non-codebook precoding parameter, an uplink analog beamforming parameter, or an uplink antenna switching parameter.
8. The method of claim 1, wherein the sounding reference signal parameter is a use case flag indicator that indicates that a use case of a sounding reference signal transmission, of the set of transmissions, is at least one of: beam management, codebook precoding, non-codebook precoding, or antenna switching

9. The method of claim 1, wherein the UE is configured to omit the transmission gap for the set of transmissions based at least in part on determining the transmission gap.
10. The method of claim 1, wherein the transmission gap is selected from a plurality of candidate transmission gaps corresponding to a plurality of sounding reference signal parameters.
11. The method of claim 1, wherein the UE is configured to transmit the first type of transmission and the second type of transmission consecutively and using different antennas for a plurality of iterations, and wherein the UE is configured to transmit at least one of the first type of transmission or the second type of transmission using different antennas for the plurality of iterations.
12. The method of claim 11, wherein the UE is configured to change the different antennas based at least in part on at least one of semi-static signaling or a UE capability.
13. The method of claim 1, wherein the UE is configured to determine the transmission gap based at least in part on an uplink channel configuration for a channel of the set of transmissions.
14. The method of claim 13, wherein the uplink channel configuration includes at least one of a type of the channel or a format of the channel.
15. The method of claim 13, wherein the uplink channel configuration is related to at least one of a size of a payload conveyed using the channel or a waveform of the channel.
16. A method of wireless communication performed by a base station (BS), comprising:
transmitting information identifying at least one of a sounding reference signal parameter, a numerology parameter, or an antenna parameter; and
receiving at least one transmission, of a set of transmissions including a first type of transmission and a second type of transmission, in accordance with a transmission gap for the set of transmissions associated with the at least one of the sounding reference signal parameter, the numerology parameter, or the antenna parameter.
17. The method of claim 16, wherein the antenna parameter relates to at least one antenna used for the set of transmissions.

18. The method of claim 16, wherein the transmission gap for the set of transmissions is between a physical uplink control channel transmission and a sounding reference signal transmission.

19. The method of claim 16, wherein the transmission gap for the set of transmissions is between a physical uplink shared channel transmission and a sounding reference signal transmission.

20. A user equipment (UE) for wireless communication, comprising:
a memory; and
one or more processors operatively coupled to the memory, the memory and the one or more processors configured to:

determine a transmission gap for a set of transmissions including a first type of transmission and a second type of transmission based at least in part on at least one of a sounding reference signal parameter, a numerology parameter, or an antenna parameter;
and

transmit at least one transmission, of the set of transmissions, in accordance with the transmission gap for the set of transmissions based at least in part on determining the transmission gap for the set of transmissions.

21. The UE of claim 20, wherein the antenna parameter relates to at least one antenna selected for the set of transmissions.

22. The UE of claim 20, wherein the transmission gap for the set of transmissions is between a physical uplink control channel transmission and a sounding reference signal transmission.

23. The UE of claim 20, wherein the transmission gap for the set of transmissions is between a physical uplink shared channel transmission and a sounding reference signal transmission.

24. The UE of claim 20, wherein the transmission gap for the set of transmissions is selected as a largest of a plurality of candidate transmission gaps.

25. The UE of claim 24, wherein the plurality of candidate transmission gaps relate to a plurality of use cases associated with the sounding reference signal parameter.

26. The UE of claim 20, wherein the sounding reference signal parameter is related to at least one of an uplink codebook precoding parameter, an uplink non-codebook precoding parameter, an uplink analog beamforming parameter, or an uplink antenna switching parameter.
27. A base station (BS) for wireless communication, comprising:
a memory; and
one or more processors operatively coupled to the memory, the memory and the one or more processors configured to:
transmit information identifying at least one of a sounding reference signal parameter, a numerology parameter, or an antenna parameter; and
receive at least one transmission, of a set of transmissions including a first type of transmission and a second type of transmission, in accordance with a transmission gap for the set of transmissions associated with the at least one of the sounding reference signal parameter, the numerology parameter, or the antenna parameter.
28. The BS of claim 27, wherein the antenna parameter relates to at least one antenna used for the set of transmissions.
29. The BS of claim 27, wherein the transmission gap for the set of transmissions is between a physical uplink control channel transmission and a sounding reference signal transmission.
30. The BS of claim 27, wherein the transmission gap for the set of transmissions is between a physical uplink shared channel transmission and a sounding reference signal transmission.