CLAIMS

1. A method of wireless communication by a user equipment (UE), comprising: receiving, from a base station (BS) serving the UE, information regarding reference beams and one or more event triggers associated with the reference beams, wherein the reference beams comprise reference beams associated with the serving BS and reference beams associated with a neighboring BS; detecting at least one of the one or more event triggers based, at least in part, on a comparison between a combined signal strength measurement for a first plurality of the reference beams associated with the neighboring BS, a combined signal strength measurement for a second plurality of the reference beams associated with the serving BS, and a first threshold value, wherein: the first plurality of the reference beams only includes a first number of strongest reference beams associated with the neighboring BS having a signal strength exceeding a second threshold value; and the second plurality of the reference beams only includes a second number of strongest reference beams associated with the serving BS having a signal strength exceeding the second threshold value; and the detecting the at least one of the one or more event triggers comprises detecting the combined signal strength measurement for the first plurality of the reference beams exceeds the combined signal strength measurement for the second plurality of the reference beams by the first threshold value; and taking one or more actions based, at least in part, on the at least one detected event trigger.

2. The method of claim 1, wherein receiving the information regarding the reference beams comprises: receiving information regarding a beam identification (ID) associated with at least one of: one or more of the reference beams associated with the serving BS and one or more of the reference beams associated with the neighboring BS.

3. The method of claim 1, further comprising: receiving a reference signal (RS) from the serving BS; and transmitting a measurement report associated with the RS, wherein at least one of: one or more of the reference beams associated with the serving BS and one or more of the reference beams associated with the neighboring BS are based on the measurement report.

4. The method of claim 1, wherein taking the one or more actions further comprises: transmitting, via a report to the serving BS, an indication of the detected one or more event triggers.

5. The method of claim 1, wherein at least one of the reference beams are part of a synchronization subframe.

6. The method of claim 5, wherein the synchronization subframe comprises at least one of a primary synchronization signal, a secondary synchronization signal, or a reference signal.

7. The method of claim 1, wherein the receiving comprises: receiving the information regarding at least one of the reference beams via at least one of a Layer 1 control channel, Layer 2 control channel, or Layer 3 signaling.

8. The method of claim 1, wherein at least one of the one or more event triggers comprises a difference in signal strength between at least one pair of the reference beams exceeding a third threshold value, and wherein determining the difference in signal strength between the pair of the reference beams exceeds the third threshold value comprises: measuring a signal strength associated with two or more of the reference beams; and p1 determining a difference in signal strength between a first reference beam of the two or more of the reference beams associated with the highest signal strength and a second reference beam of the two or more of the reference beams associated with the lowest signal strength exceeds the third threshold value.

9. The method of claim 1, wherein at least one of the one or more event triggers is based on measurements associated with any combination of: signals received from the BS on one or more of the reference beams associated with the serving BS, or signals transmitted by the UE on one or more of the reference beams associated with at least one of: the reference beams associated with the serving BS or the reference beams associated with the neighboring BS.

10. The method of claim 1, further comprising: determining the combined signal strength measurement for the first plurality of the reference beams associated with the neighboring BS; and determining the combined signal strength measurement for the second plurality of the reference beams associated with the serving BS.

11. The method of claim 10, wherein: determining the combined signal strength measurement for the first plurality of the reference beams associated with the neighboring BS comprises combining at least a first signal strength measurement corresponding to a first reference beam of the reference beams associated with the neighboring BS with a second signal strength measurement corresponding to a second reference beam of the reference beams associated with the neighboring BS; and determining the combined signal strength measurement for the second plurality of the reference beams associated with the serving BS comprises combining at least a first signal strength measurement corresponding to a first reference beam of the reference beams associated with the serving BS with a second signal strength measurement corresponding to a second reference beam of the reference beams associated with the serving BS.

12. The method of claim 1, wherein taking one or more actions comprises switching from a first active beam associated with the serving BS to a second active beam associated with the serving BS.

13. The method of claim 1, wherein the first number of strongest reference beams associated with the neighboring BS is greater than or less than the second number of strongest reference beams associated with the neighboring BS.

14. A method of wireless communication by a base station (BS), comprising: transmitting, to a user equipment (UE) served by the BS, information regarding reference beams and one or more event triggers associated with the reference beams, wherein the reference beams comprise references beams associated with the BS and reference beams associated with a neighboring BS; receiving an indication of one of the one or more event triggers based, at least in part, on a comparison between a combined signal strength measurement for a first plurality of the reference beams associated with the neighboring BS, a combined signal strength measurement for a second plurality of the reference beams associated with the serving BS, and a first threshold value, wherein: the first plurality of the reference beams only includes a first number of strongest reference beams associated with the neighboring BS having a signal strength exceeding a second threshold value; and the second plurality of the reference beams only includes a second number of strongest reference beams associated with the serving BS having a signal strength exceeding the second threshold value; and the indication of one of the one or more event triggers is received when the combined signal strength measurement for the first plurality of the reference beams exceeds the combined signal strength measurement for the second plurality of the reference beams by the first threshold value; and taking one or more actions based, at least in part, on the indication.

15. The method of claim 14, wherein transmitting the information regarding the reference beams comprises: transmitting information regarding a beam identification (ID) associated with at least one of: one or more of the reference beams associated with the BS and one or more of the reference beams associated with the neighboring BS.

16. The method of claim 14, further comprising: transmitting a reference signal (RS); and receiving, from the UE, a measurement report associated with the RS, wherein at least one of: one or more of the reference beams associated with the BS or one or more of the reference beams associated with the neighboring BS are based on the measurement report.

17. The method of claim 14, wherein one or more of the reference beams are transmitted in a synchronization subframe.

18. The method of claim 14, wherein the transmitting comprises: transmitting the information regarding at least one of the one or more reference beams via at least one of a Layer 1 control channel, Layer 2 control channel, or Layer 3 signaling.

19. The method of claim 14, wherein at least one of the event triggers is based on measurements associated with any combination of: signals transmitted by the BS on one or more of the reference beams associated with the BS, or signals received by the BS on one or more of the reference beams associated with the BS.

20. The method of claim 14, wherein taking one or more actions comprises switching from a first active beam associated with the BS to a second active beam associated with the BS for serving the UE.

21. An apparatus for wireless communication by a user equipment (UE), comprising: at least one processor configured to: receive, from a base station (BS) serving the UE, information regarding reference beams and one or more event triggers associated with the reference beams, wherein the reference beams comprise reference beams associated with the serving BS and reference beams associated with a neighboring BS; detect one at least one of the one or more event triggers based, at least in part, on a comparison between a combined signal strength measurement for a first plurality of the reference beams of the reference beams associated with the neighboring BS, a combined signal strength measurement for a second plurality of the reference beams of the reference beams associated with the serving BS, and a first threshold value, wherein: the first plurality of the reference beams only includes a first number of strongest reference beams associated with the neighboring BS having a signal strength exceeding a second threshold value; and the second plurality of the reference beams only includes a second number of strongest reference beams associated with the serving BS having a signal strength exceeding the second threshold value; and the at least one processor is further configured to detect the at least one of the one or more event triggers by detecting the combined signal strength measurement for the first plurality of the reference beams exceeds the combined signal strength measurement for the second plurality of the reference beams by the first threshold value; and take one or more actions based, at least in part, on the detected at least one event trigger; and a memory coupled to the at least one processor.

22. The apparatus of claim 21, wherein the at least one processor is configured to receive the

information regarding the reference beams by: receiving information regarding a beam identification (ID) associated with at least one of: one or more of the reference beams associated with the serving BS and one or more of the reference beams associated with the neighboring BS.

23. The apparatus of claim 21, wherein the at least one processor is configured to: receive a reference signal (RS) from the serving BS; and transmit a measurement report associated with the RS, wherein at least one of: the reference beams associated with the serving BS and the reference beams associated with the neighboring BS are based on the measurement report.

24. An apparatus for wireless communication by a base station (BS), comprising: at least one processor configured to: transmit, to a user equipment (UE) served by the BS, information regarding reference beams and one or more event triggers associated with the reference beams, wherein the reference beams comprise reference beams associated with the BS and reference beams associated with a neighboring BS; receive an indication of one of the one or more event triggers based, at least in part, on a comparison between a combined signal strength measurement for a first plurality of the reference beams of the reference beams associated with the neighboring BS, a combined signal strength measurement for a second plurality of the reference beams of the reference beams associated with the serving BS, and a first threshold value, wherein: the first plurality of the reference beams only includes a first number of strongest reference beams associated with the neighboring BS having a signal strength exceeding a second threshold value; and the second plurality of the reference beams only includes a second number of strongest reference beams associated with the serving BS having a signal strength exceeding the second threshold value; and the at least one processor is further configured to receive the indication of one of the one or more event triggers when the combined signal strength measurement for the first plurality of the reference beams exceeds the combined signal strength measurement for the second plurality of the reference beams by the first threshold value; and take one or more actions based, at least in part, on the indication; and a memory coupled to the at least one processor.

25. The apparatus of claim 24, wherein the at least one processor is configured to transmit the information regarding the reference beams by transmitting information regarding a beam identification (ID) associated with at least one of: one or more of the reference beams associated with the BS and one or more of the reference beams associated with the neighboring BS.

26. The apparatus of claim 24, wherein the at least one processor is configured to: transmit a reference signal (RS); and receive, from the UE, a measurement report associated with the RS, wherein at least one of: one or more of the reference beams associated with the BS or one or

more of the reference beams associated with the neighboring BS are based on the measurement report.