CLAIMS

1. A method of wireless communication at a user equipment (UE), comprising: receiving an adjustment parameter regarding a physical downlink control channel (PDCCH) from a base station; receiving, from the base station, at least one of a synchronization signal (SS) or a Channel State Information Reference Signal (CSI-RS) that is quasi-co-located (QCL) with the PDCCH; and performing a radio link measurement based on the received at least one of the SS or the CSI-RS to identify a radio link quality using the adjustment parameter regarding the PDCCH, wherein the adjustment parameter comprises an indication between two or more thresholds, and each threshold of the two or more thresholds indicates a different block error rate.

2. The method of claim 1, wherein the adjustment parameter is received as an indication via Radio Resource Control (RRC).

3. The method of claim 1, wherein performing the radio link measurement comprises: performing a measurement of the at least one of the SS or the CSI-RS, wherein the radio link quality is based on a comparison of the measurement to an adjusted threshold.

4. The method of claim 3, wherein performing the radio link measurement comprises: comparing the measurement to the adjusted threshold to derive the radio link quality.

5. The method of claim 4 wherein the adjusted threshold is based on the adjustment parameter regarding the PDCCH.

6. The method of claim 1, wherein the adjustment parameter comprises a relationship between a first beam width of the PDCCH and a second beam width of the at least one of the SS or the CSI-RS.

7. The method of claim 1, wherein the adjustment parameter comprises a relationship between a first transmission power of the PDCCH and a second transmission power of the at least one of the SS or the CSI-RS.

8. The method of claim 1, wherein the adjustment parameter comprises a relationship between a first traffic to pilot ratio (TPR) of the PDCCH and a second TPR of the at least one of the SS or the CSI-RS.

9. The method of claim 1, wherein the adjustment parameter comprises a relationship between a first beam orientation of the PDCCH and a second beam orientation of the at least one of the SS or the CSI-RS.

10. The method of claim 1, wherein the adjustment parameter comprises a beamforming gain difference between the PDCCH and the at least one of the SS or the CSI-RS.

11. The method of claim 1, wherein the adjustment parameter is received as at least one of a Radio Resource Control (RRC) control element, a Medium Access Control (MAC) control element, or downlink control information (DCI).

12. The method of claim 1, further comprising: deriving the radio link quality based on the at least one of the SS or the CSI-RS using a configured threshold and the adjustment parameter; and performing at least one of a PDCCH beam recovery or a radio link failure procedure when the derived radio link quality is below a first level.

13. An apparatus for wireless communication at a user equipment (UE), comprising: a memory; and at least one processor coupled to the memory and configured to: receive an adjustment parameter regarding a physical downlink control channel (PDCCH) from a base station; receive, from the base station, at least one of a synchronization signal (SS) or a Channel State Information Reference Signal (CSI-RS) that is quasi-co-located (QCL) with the PDCCH; and perform a radio link measurement based on the received at least one of the SS or the CSI-RS to identify a radio link quality using the adjustment parameter regarding the PDCCH, wherein the adjustment parameter comprises an indication between two or more thresholds, and each threshold of the two or more thresholds indicates a different block error rate.

14. The apparatus of claim 13, wherein the adjustment parameter is received as an indication via Radio Resource Control (RRC).

15. The apparatus of claim 13, wherein to perform the radio link measurement, the at least one processor is configured to: perform a measurement of the at least one of the SS or the CSI-RS, wherein the radio link quality is based on a comparison of the measurement to an adjusted threshold.

16. The apparatus of claim 15, wherein, as a part of performing the radio link measurement, the at least one processor is further configured to: compare the measurement to the adjusted

threshold to derive the radio link quality.

17. The apparatus of claim 16, wherein the adjusted threshold is based on the adjustment parameter regarding the PDCCH.

18. The apparatus of claim 13, wherein the at least one processor is further configured to: derive the radio link quality based on the at least one of the SS or the CSI-RS using a configured threshold and the adjustment parameter; and perform at least one of a PDCCH beam recovery or a radio link failure procedure when the derived radio link quality is below a first level.

19. A method of wireless communication at a base station, comprising: transmitting an adjustment parameter to a user equipment (UE) regarding a physical downlink control channel (PDCCH) from the base station; and transmitting, to the UE, at least one of a synchronization signal (SS) or a Channel State Information Reference Signal (CSI-RS) that is quasi-co-located (QCL) with the PDCCH, wherein the adjustment parameter comprises a relationship between the PDCCH and the at least one of the SS or the CSI-RS for identifying a radio link quality, and wherein the adjustment parameter comprises an indication between two or more thresholds, and each threshold of the two or more thresholds indicates a different block error rate.

20. The method of claim 19, wherein the adjustment parameter is indicated via Radio Resource Control (RRC).

21. The method of claim 19, wherein the adjustment parameter is used to adjust a signal quality in deriving the radio link quality.

22. The method of claim 19, wherein the adjustment parameter is used to adjust a configured threshold based in deriving the radio link quality.

23. The method of claim 19, wherein the adjustment parameter indicates the relationship between a first beam width of the PDCCH and a second beam width of the at least one of the SS or the CSI-RS.

24. The method of claim 19, wherein the adjustment parameter indicates the relationship between a first transmission power of the PDCCH and a second transmission power of the at least one of the SS or the CSI-RS.

25. The method of claim 19, wherein the adjustment parameter indicates the relationship

between a first traffic to pilot ratio (TPR) of the PDCCH and a second TPR of the at least one of the SS or the CSI-RS.

26. The method of claim 19, wherein the adjustment parameter indicates the relationship between a first beam orientation of the PDCCH and a second beam orientation of the at least one of the SS or the CSI-RS.

27. The method of claim 19, wherein the adjustment parameter comprises a beamforming gain difference between the PDCCH and the at least one of the SS or the CSI-RS.

28. The method of claim 19, wherein the adjustment parameter is transmitted as at least one of a Radio Resource Control (RRC) control element, a Medium Access Control (MAC) control element, or downlink control information (DCI).

29. An apparatus for wireless communication at a base station, comprising: a memory; and at least one processor coupled to the memory and configured to: transmit an adjustment parameter to a user equipment (UE) regarding a physical downlink control channel (PDCCH) from the base station; and transmit, to the UE, at least one of a synchronization signal (SS) or a Channel State Information Reference Signal (CSI-RS) that is quasi-co-located (QCL) with the PDCCH, wherein the adjustment parameter comprises a relationship between the PDCCH and the at least one of the SS or the CSI-RS for identifying a radio link quality, and wherein the adjustment parameter comprises an indication between two or more thresholds, and each threshold of the two or more thresholds indicates a different block error rate.

30. The apparatus of claim 29, wherein the adjustment parameter is indicated via Radio Resource Control (RRC).

31. The apparatus of claim 29, wherein the adjustment parameter is used to adjust a configured threshold based in deriving the radio link quality.