CLAIMS

1. A method for wireless communication at a user equipment (UE), comprising: receiving, from a first base station, a configuration for reference signal transmission, the configuration comprising a set of uplink transmit power levels and a set of time and frequency resources; transmitting, based at least in part on the configuration, a plurality of uplink reference signals at different power levels; receiving from the first base station, based at least in part on transmitting the plurality of uplink reference signals, an instruction to perform a handover to a second base station, the instruction comprising an indication of a selected uplink reference signal of the plurality of uplink reference signals and a power parameter associated with the indicated uplink reference signal; and performing the handover to the second base station based at least in part on the instruction.

2. The method of claim 1, wherein the instruction further comprises a set of parameters including the power parameter and one or more of a timing advance value or an uplink grant.

3. The method of claim 1, further comprising: determining an uplink transmit power for transmission to the second base station based at least in part on the selected uplink reference signal and the power parameter.

4. The method of claim 3, further comprising: transmitting, to the second base station, a handover complete message at the uplink transmit power.

5. The method of claim 3, further comprising: transmitting, to the second base station, a first random access message of a random access procedure at the uplink transmit power.

6. The method of claim 5, further comprising: transmitting, to the second base station, a second random access message of the random access procedure at a second uplink transmit power, the second random access message comprising a retransmission of the first random access message, wherein the second uplink transmit power is higher than the uplink transmit power.

7. The method of claim 1, further comprising: determining, based at least in part on a measured signal quality, a measurement event; and transmitting, to the first base station, a measurement report based at least in part on the measurement event, wherein the set of uplink transmit power levels is based at least in part on the measurement report.

8. The method of claim 1, wherein the power parameter comprises a power correction value.

9. The method of claim 1, wherein the instruction further comprises one or more of a timing advance value or an uplink grant.

10. The method of claim 1, wherein the plurality of uplink reference signals comprise sounding reference signal repetitions.

11. An apparatus for wireless communication at a user equipment (UE), comprising: a first interface; a second interface; and a wireless modem coupled to the first interface and the second interface, wherein the wireless modem is configured to: obtain over the first interface a configuration from a first base station for reference signal transmission, the configuration comprising a set of uplink transmit power levels and a set of time and frequency resources; output, based at least in part on the configuration, a plurality of uplink reference signals over the second interface for transmission at different power levels; obtain over the first interface, based at least in part on the plurality of uplink reference signals, an instruction from the first base station to perform a handover to a second base station, the instruction comprising an indication of a selected uplink reference signal of the plurality of uplink reference signals and a power parameter associated with the indicated uplink reference signal; and perform the handover to the second base station based at least in part on the instruction.

12. The apparatus of claim 11, wherein the instruction further comprises a set of parameters including the power parameter and one or more of a timing advance value or an uplink grant.

13. The apparatus of claim 11, wherein the wireless modem is further configured to: determine an uplink transmit power for transmission to the second base station based at least in part on the selected uplink reference signal and the power parameter.

14. The apparatus of claim 13, wherein the wireless modem is further configured to: output, to the second base station, a handover complete message at the uplink transmit power.

15. The apparatus of claim 13, wherein the wireless modem is further configured to: output, to the second base station, a first random access message of a random access procedure at the uplink transmit power.

16. The apparatus of claim 15, wherein the wireless modem is further configured to: output, to the second base station, a second random access message of the random access procedure at a second uplink transmit power, the second random access message comprising a retransmission of the first random access message, wherein the second uplink transmit power is higher than the uplink transmit power.

17. The apparatus of claim 11, wherein the wireless modem is further configured to: determine, based at least in part on a measured signal quality, a measurement event; and output, to the first base station, a measurement report based at least in part on the measurement event, wherein the set of uplink transmit power levels is based at least in part on the measurement report.

18. The apparatus of claim 11, wherein the power parameter comprises a power correction value.

19. The apparatus of claim 11, wherein the instruction further comprises one or more of a

timing advance value or an uplink grant.

20. The apparatus of claim 11, wherein the plurality of uplink reference signals comprise sounding reference signal repetitions.

21. An apparatus for wireless communications at a user equipment (UE), comprising: means for receiving, from a first base station, a configuration for reference signal transmission, the configuration comprising a set of uplink transmit power levels and a set of time and frequency resources; means for transmitting, based at least in part on the configuration, a plurality of uplink reference signals at different power levels; means for receiving from the first base station, based at least in part on transmitting the plurality of uplink reference signals, an instruction to perform a handover to a second base station, the instruction comprising an indication of a selected uplink reference signal of the plurality of uplink reference signals and a power parameter associated with the indicated uplink reference signal; and means for performing the handover to the second base station based at least in part on the instruction.

22. The apparatus of claim 21, wherein the instruction further comprises a set of parameters including the power parameter and one or more of a timing advance value or an uplink grant.

23. The apparatus of claim 21, further comprising means for determining an uplink transmit power for transmission to the second base station based at least in part on the selected uplink reference signal and the power parameter.

24. The apparatus of claim 23, further comprising: means for transmitting, to the second base station, a handover complete message at the uplink transmit power.

25. The apparatus of claim 23, further comprising: means for transmitting, to the second base station, a first random access message of a random access procedure at the uplink transmit power.

26. A non-transitory computer-readable medium storing code for wireless communication at a user equipment (UE), the code comprising instructions executable by a processor to: receive, from a first base station, a configuration for reference signal transmission, the configuration comprising a set of uplink transmit power levels and a set of time and frequency resources; transmit, based at least in part on the configuration, a plurality of uplink reference signals at different power levels; receive from the first base station, based at least in part on transmitting the plurality of uplink reference signals, an instruction to perform a handover to a second base station, the instruction comprising an indication of a selected uplink reference signal of the plurality of uplink reference signals and a power parameter associated with the indicated uplink reference signal; and perform the handover to the second base station based at least in part on the instruction.

27. The non-transitory computer-readable medium of claim 26, wherein the instruction

further comprises a set of parameters including the power parameter and one or more of a timing advance value or an uplink grant.

28. The non-transitory computer-readable medium of claim 26, wherein the instructions are further executable by the processor to: determine an uplink transmit power for transmission to the second base station based at least in part on the selected uplink reference signal and the power parameter.

29. The non-transitory computer-readable medium of claim 28, wherein the instructions are further executable by the processor to: transmit, to the second base station, a handover complete message at the uplink transmit power.

30. The non-transitory computer-readable medium of claim 28, wherein the instructions are further executable by the processor to: transmit, to the second base station, a first random access message of a random access procedure at the uplink transmit power.