CLAIMS

1. A method for wireless communication, comprising:

performing a first transmission of control information in a control channel during a first transmission time interval (TTI) using a first transmit power;

identifying control information of the first transmission to be repeated during a second TTI;

receiving downlink control information (DCI) that includes a transmit power control (TPC) command relating to a second transmit power for repeating a transmission of the control information, wherein the DCI is applicable to repeated transmissions of control information scheduled after a fixed delay from a time interval in which the DCI is received;

determining the second transmit power for repeating transmission of the control information during the second TTI based at least in part on the TPC command, wherein the first transmit power is different from the second transmit power; and

repeating the transmission of the control information in the control channel during the second TTI using the determined second transmit power.

2. The method of claim 1, wherein the first transmission of the control information is in a first beam direction, and wherein repeating the transmission of the control information comprises:

repeating the transmission of the control information in a second beam direction that is different from the first beam direction.

3. The method of claim 1, further comprising:

identifying a first path loss associated with the first transmission of the control information, wherein the first transmit power is determined based at least in part on the first path loss; and

identifying a second path loss associated with the repeated transmission of the control information, wherein the second transmit power is determined based at least in part on the second path loss.

4. The method of claim 1, wherein the DCI further indicates whether the TPC command is applicable to the repeated transmission of the control information.

5. The method of claim 4, wherein the DCI further indicates a repeated transmission to which the TPC command applies.

6. The method of claim 1, wherein a first set of one or more step-sizes in the TPC command relating to the second transmit power for repeating the transmission of the control information is different from a second set of one or more step-sizes in another TPC command relating to the first transmit power.

7. The method of claim 1, further comprising:

identifying a table in the TPC command that indicates a relationship between step-sizes and repetition indices for repeated transmissions of control information, wherein the second transmit power is determined based at least in part on the table and a repetition index of the repeated transmission.

8. An apparatus for wireless communication, comprising:

means for performing a first transmission of control information in a control channel during a first transmission time interval (TTI) using a first transmit power;

means for identifying control information of the first transmission to be repeated during a second TTI;

means for receiving downlink control information (DCI) that includes a transmit power control (TPC) command relating to a second transmit power for repeating a transmission of the control information, wherein the DCI is applicable to repeated transmissions of control information scheduled after a fixed delay from a time interval in which the DCI is received;

means for determining the second transmit power for repeating transmission of the control information during the second TTI based at least in part on the TPC command, wherein the first transmit power is different from the second transmit power; and

means for repeating the transmission of the control information in the control channel during the second TTI using the determined second transmit power.

9. The apparatus of claim 8, wherein the first transmission of the control information is in a first beam direction, and wherein the means for repeating the transmission of the control information comprises:

means for repeating the transmission of the control information in a second beam

direction that is different from the first beam direction.

10. The apparatus of claim 8, further comprising:

means for identifying a first path loss associated with the first transmission of the control information, wherein the first transmit power is determined based at least in part on the first path loss; and

means for identifying a second path loss associated with the repeated transmission of the control information, wherein the second transmit power is determined based at least in part on the second path loss.

11. The apparatus of claim 8, wherein the DCI further indicates whether the TPC command is applicable to the repeated transmission of the control information.

12. The apparatus of claim 11, wherein the DCI further indicates a repeated transmission to which the TPC command applies.

13. The apparatus of claim 8, wherein a first set of one or more step-sizes in the TPC command relating to the second transmit power for repeating the transmission of the control information is different from a second set of one or more step-sizes in another TPC command relating to the first transmit power.

14. The apparatus of claim 8, further comprising:

means for identifying a table in the TPC command that indicates a relationship between step-sizes and repetition indices for repeated transmissions of control information, wherein the second transmit power is determined based at least in part on the table and a repetition index of the repeated transmission.

15. A mobile device for wireless communication, comprising:

a processor;

memory in electronic communication with the processor; and

instructions stored in the memory and operable, when executed by the processor, to cause the mobile device to:

perform a first transmission of control information in a control channel during a first transmission time interval (TTI) using a first transmit power;

identify control information of the first transmission to be repeated during a second TTI;

receive downlink control information (DCI) that includes a transmit power control (TPC) command relating to a second transmit power for repeating a transmission of the control information, wherein the DCI is applicable to repeated transmissions of control information scheduled after a fixed delay from a time interval in which the DCI is received;

determine the second transmit power for repeating transmission of the control information during the second TTI based at least in part on the TPC command, wherein the first transmit power is different from the second transmit power; and

repeat the transmission of the control information in the control channel during the second TTI using the determined second transmit power.

16. The mobile device of claim 15, wherein the first transmission of the control information is in a first beam direction, and wherein the instructions are further executable by the processor to:

repeat the transmission of the control information in a second beam direction that is different from the first beam direction.

17. The mobile device of claim 15, wherein the instructions are further executable by the processor to:

identify a first path loss associated with the first transmission of the control information, wherein the first transmit power is determined based at least in part on the first path loss; and

identify a second path loss associated with the repeated transmission of the control information, wherein the second transmit power is determined based at least in part on the second path loss.

18. The mobile device of claim 15, wherein the DCI further indicates whether the TPC command is applicable to the repeated transmission of the control information.

19. The mobile device of claim 18, wherein the DCI further indicates a repeated transmission to which the TPC command applies.

20. The mobile device of claim 15, wherein a first set of one or more step-sizes in the TPC command relating to the second transmit power for repeating the transmission of the control information is different from a second set of one or more step-sizes in another TPC command relating to the first transmit power.

21. The mobile device of claim 15, wherein the instructions are further executable by the processor to:

identify a table in the TPC command that indicates a relationship between step-sizes and repetition indices for repeated transmissions of control information, wherein the second transmit power is determined based at least in part on the table and a repetition index of the repeated transmission.

22. A non-transitory computer readable medium storing code for wireless communication, the code comprising instructions executable by a processor to:

perform a first transmission of control information in a control channel during a first transmission time interval (TTI) using a first transmit power;

identify control information of the first transmission to be repeated during a second TTI;

receive downlink control information (DCI) that includes a transmit power control (TPC) command relating to a second transmit power for repeating a transmission of the control information, wherein the DCI is applicable to repeated transmissions of control information scheduled after a fixed delay from a time interval in which the DCI is received;

determine the second transmit power for repeating transmission of the control information during the second TTI based at least in part on the TPC command, wherein the first transmit power is different from the second transmit power; and

repeat the transmission of the control information in the control channel during the second TTI using the determined second transmit power.

23. The non-transitory computer readable medium of claim 22, wherein the first transmission of the control information is in a first beam direction, and wherein the instructions are further executable by the processor to:

repeat the transmission of the control information in a second beam direction that

is different from the first beam direction.

24. The non-transitory computer readable medium of claim 22, wherein the instructions are further executable by the processor to:

identify a first path loss associated with the first transmission of the control information, wherein the first transmit power is determined based at least in part on the first path loss; and

identify a second path loss associated with the repeated transmission of the control information, wherein the second transmit power is determined based at least in part on the second path loss.

25. The non-transitory computer readable medium of claim 22, wherein the DCI further indicates whether the TPC command is applicable to the repeated transmission of the control information.

26. The non-transitory computer readable medium of claim 25, wherein the DCI further indicates a repeated transmission to which the TPC command applies.

27. The non-transitory computer readable medium of claim 22, wherein a first set of one or more step-sizes in the TPC command relating to the second transmit power for repeating the transmission of the control information is different from a second set of one or more step-sizes in another TPC command relating to the first transmit power.

28. The non-transitory computer readable medium of claim 22, wherein the instructions are further executable by the processor to:

identify a table in the TPC command that indicates a relationship between step-sizes and repetition indices for repeated transmissions of control information, wherein the second transmit power is determined based at least in part on the table and a repetition index of the repeated transmission.