

CLAIMS

1. A method for wireless communications by a user equipment (UE), comprising:
obtaining at least first and second parameters for determining transmit power for a physical uplink shared channel (PUSCH) transmission;
obtaining at least a third parameter, based on a relationship between the third parameter and the at least two parameters; and
transmitting the PUSCH, with a transmit power calculated based on the first, second, and third parameters.
2. The method of claim 1, wherein:
the first parameter comprises an indication of a downlink reference signal; and
the second parameter comprises an indication of a power control process.
3. The method of claim 1, wherein the third parameter comprises an open-loop power control index used to obtain a combination of parameter values used to calculate the transmit power.
4. The method of claim 3, wherein:
the first parameter comprises a sounding reference signal (SRS) resource indicator (SRI) value; and
the second parameter comprises a downlink reference signal index value.
5. The method of claim 4, further comprising:
deriving a value of the downlink reference signal index based on the SRI value.
6. The method of claim 5, wherein:
the SRI value is obtained via a downlink control information (DCI) transmission that schedules the PUSCH transmission.

7. The method of claim 5, further comprising receiving signaling indicating at least one of:

a mapping of SRI values to downlink reference signal index values; or

a mapping of downlink reference signal index values or SRI values to open-loop power control index values.

8. The method of claim 7, wherein the signaling comprise radio resource control (RRC) signaling.

9. An apparatus for wireless communications, comprising:

means for obtaining at least first and second parameters for determining transmit power for a physical uplink shared channel (PUSCH) transmission;

means for obtaining at least a third parameter, based on a relationship between the third parameter and the at least two parameters; and

means for transmitting the PUSCH, with a transmit power calculated based on the first, second, and third parameters.

10. The apparatus of claim 9, wherein:

the first parameter comprises an indication of a downlink reference signal; and

the second parameter comprises an indication of a power control process.

11. The apparatus of claim 9, wherein the third parameter comprises an open-loop power control index used to obtain a combination of parameter values used to calculate the transmit power.

12. The apparatus of claim 11, wherein:

the first parameter comprises a sounding reference signal (SRS) resource indicator (SRI) value; and

the second parameter comprises a downlink reference signal index value.

13. The apparatus of claim 12, further comprising:

means for deriving a value of the downlink reference signal index based on the SRI value.

14. The apparatus of claim 13, wherein:

the SRI value is obtained via a downlink control information (DCI) transmission that schedules the PUSCH transmission.

15. The apparatus of claim 13, further comprising means for receiving signaling indicating at least one of:

a mapping of SRI values to downlink reference signal index values; or

a mapping of downlink reference signal index values or SRI values to open-loop power control index values.

16. The apparatus of claim 15, wherein the signaling comprise radio resource control (RRC) signaling.

17. An apparatus for wireless communications, comprising:

at least one processor configured to obtain at least first and second parameters for determining transmit power or a physical uplink shared channel (PUSCH) transmission and to obtain at least a third parameter, based on a relationship between the third parameter and the at least two parameters; and

a transmitter configured to transmit the PUSCH, with a transmit power calculated based on the first, second, and third parameters.

18. The apparatus of claim 17, wherein:
the first parameter comprises an indication of a downlink reference signal; and
the second parameter comprises an indication of a power control process.
19. The apparatus of claim 17, wherein the third parameter comprises an open-loop power control index used to obtain a combination of parameter values used to calculate the transmit power.
20. The apparatus of claim 19, wherein:
the first parameter comprises a sounding reference signal (SRS) resource indicator (SRI) value; and
the second parameter comprises a downlink reference signal index value.
21. The apparatus of claim 20, wherein the at least one processor is further configured to:
derive a value of the downlink reference signal index based on the SRI value.
22. The apparatus of claim 21, wherein:
the SRI value is obtained via a downlink control information (DCI) transmission that schedules the PUSCH transmission.
23. The apparatus of claim 21, further comprising a receiver configured to receive signaling indicating at least one of:
a mapping of SRI values to downlink reference signal index values; or
a mapping of downlink reference signal index values or SRI values to open-loop power control index values.

24. The apparatus of claim 23, wherein the signaling comprise radio resource control (RRC) signaling.

25. A computer readable medium having instructions stored thereon for:

obtaining at least first and second parameters for determining transmit power for a physical uplink shared channel (PUSCH) transmission;

obtaining at least a third parameter, based on a relationship between the third parameter and the at least two parameters; and

transmitting the PUSCH, with a transmit power calculated based on the first, second, and third parameters.