CLAIMS

1. A method for wireless communications by a user equipment (UE), comprising:
receiving signaling of a configuration parameter;
receiving a request for an aperiodic channel state information (A-CSI) report;
calculating a transmit power for the A-CSI report that is:
independent of an actual number of channel quality indicator (CQI) bits to transmit in the A-CSI report when the configuration parameter is set to a first value, or
dependent on the actual number of CQI bits to transmit in the A-CSI report when the configuration parameter is set to a second value; and
transmitting the A-CSI report in accordance with the calculated transmit power.

2. The method of claim 1, wherein the configuration parameter is associated with a reduced transmission time interval (TTI) for uplink transmissions by the UE.

3. The method of claim 1, wherein the transmit power calculated for the A-CSI report is independent of an actual number of CQI and precoding matrix indicator (CQI/PMI) bits to transmit in the A-CSI report.

4. The method of claim 3, wherein:
the transmit power is calculated based, at least in part, on a bits per resource element (BPRE) parameter; and
calculating transmit power for the A-CSI report independently of the actual number of CQI/PMI bits to transmit in the A-CSI report comprises determining a value for the BPRE parameter that is independent of the actual number of CQI/PMI bits to transmit in the A-CSI report.

5. The method of claim 4, further comprising:
providing an indication of a capability of the UE to support determining the value for the BPRE parameter that is independent of the actual number of CQI/PMI bits.

6. The method of claim 5, wherein the UE provides the indication of the capability for a given transmission time interval (TTI) length.

7. The method of claim 6, wherein:
the given TTI length comprises at least one of a slot or sub-slot.

8. The method of claim 3, wherein determining a value for the BPRE parameter that is independent of the actual number of CQI/PMI bits to transmit in the A-CSI report comprises:
calculating the value for the BPRE parameter assuming a maximum number of CQI/PMI bits corresponding to a rank indicator in a set of rank indicators supported by the UE.

~~6.~~ 9. The method of claim 3, wherein the value for the BPRE parameter is calculated assuming a maximum number of CQI/PMI bits corresponding to the rank indicator in the set of rank indicators supported by the UE when the A-CSI report is to be sent in a physical uplink shared channel (PUSCH) without uplink shared channel (UL-SCH) data.

~~7.~~ 10. The method of claim ~~6~~9, wherein the maximum number of CQI/PMI bits comprises cyclic redundancy check (CRC) bits.

~~8. The method of claim 4, further comprising:~~
~~providing an indication of a capability of the UE to support determining the value for the BPRE parameter that is independent of the actual number of CQI/PMI bits.~~

~~9. The method of claim 8, wherein the UE provides the indication of the capability for a given transmission time interval (TTI) length.~~

~~10. The method of claim 9, wherein:~~
~~the given TTI length comprises at least one of a slot or sub-slot.~~

11. An apparatus for wireless communications by a user equipment (UE), comprising:
means for receiving signaling of a configuration parameter;

———means for receiving a request for an aperiodic channel state information (A-CSI) report;

———means for calculating a transmit power for the A-CSI report that is:

————————independent of an actual number of channel quality indicator (CQI) bits to transmit in the A-CSI report when the configuration parameter is set to a first value, or

————————dependent on the actual number of CQI bits to transmit in the A-CSI report when the configuration parameter is set to a second value; and

———means for transmitting the A-CSI report in accordance with the calculated transmit power.

12.—— The apparatus of- claim 11, wherein the configuration parameter is associated with a reduced transmission time interval (TTI) for uplink transmissions by the UE.

13.—— The apparatus of- claim 11, wherein the transmit power calculated for the A-CSI report is independent of an actual number of CQI and precoding matrix indicator (CQI/PMI) bits to transmit in the A-CSI report.

14.—— The apparatus of- claim 13, wherein:

———the transmit power is calculated based, at least in part, on a bits per resource element (BPRE) parameter; and

———the means for calculating transmit power for the A-CSI report independently of the actual number of CQI/PMI bits to transmit in the A-CSI report comprises means for determining a value for the BPRE parameter that is independent of the actual number of CQI/PMI bits to transmit in the A-CSI report.

15.—— The apparatus of- claim 14, wherein the means for determining a value for the BPRE parameter that is independent of the actual number of CQI/PMI bits to transmit in the A-CSI report comprises:

———means for calculating the value for the BPRE parameter assuming a maximum number of CQI/PMI bits corresponding to a rank indicator in a set of rank indicators supported by the UE.

16.—The apparatus of claim 15, wherein the value for the BPRE parameter is calculated assuming the maximum number of CQI/PMI bits corresponding to the rank indicator in the set of rank indicators supported by the UE when the A-CSI report is to be sent in a physical uplink shared channel (PUSCH) without uplink shared channel (UL-SCH) data.

17.—The apparatus of claim 16, wherein the maximum number of CQI/PMI bits comprises cyclic redundancy check (CRC) bits.

18.—The apparatus of claim 14, further comprising:

———means for providing an indication of a capability of the UE to support determining the value for the BPRE parameter that is independent of the actual number of CQI/PMI bits.

19.—The apparatus of claim 18, wherein the indication of the capability is provided for a given transmission time interval (TTI) length.

20.—The apparatus of claim 19, wherein:

———the given TTI length comprises at least one of a slot or sub-slot.

21.—An apparatus for wireless communications by a user equipment (UE), comprising:

———a receiver configured to receive signaling of a configuration parameter and a request for an aperiodic channel state information (A-CSI) report;

———at least one processor configured to calculate a transmit power for the A-CSI report that is:

————————independent of an actual number of channel quality indicator (CQI) bits to transmit in the A-CSI report when the configuration parameter is set to a first value, or

————————dependent on the actual number of CQI bits to transmit in the A-CSI report when the configuration parameter is set to a second value; and

———a transmitter configured to transmit the A-CSI report in accordance with the calculated transmit power.

22.—— The apparatus of- claim 21, wherein the configuration parameter is associated with a reduced transmission time interval (TTI) for uplink transmissions by the UE.

23.—— The apparatus of- claim 21, wherein the transmit power calculated for the A-CSI report is independent of an actual number of CQI and precoding matrix indicator (CQI/PMI) bits to transmit in the A-CSI report.

24.—— The apparatus of- claim 23, wherein:
———the transmit power is calculated based, at least in part, on a bits per resource element (BPRE) parameter; and
———the transmit power for the A-CSI report is calculated independently of the actual number of CQI/PMI bits to transmit in the A-CSI report by determining a value for the BPRE parameter that is independent of the actual number of CQI/PMI bits to transmit in the A-CSI report.

25.—— The apparatus of- claim 24, wherein the at least one processor is configured to determine a value for the BPRE parameter that is independent of the actual number of CQI/PMI bits to transmit in the A-CSI report by:
———calculating the value for the BPRE parameter assuming a maximum number of CQI/PMI bits corresponding to a rank indicator in a set of rank indicators supported by the UE.

26.—— The apparatus of- claim 25, wherein the value for the BPRE parameter is calculated assuming the maximum number of CQ/PMI I bits corresponding to the rank indicator in the set of rank indicators supported by the UE when the A-CSI report is to be sent in a physical uplink shared channel (PUSCH) without uplink shared channel (UL-SCH) data.

27.—— The apparatus of- claim 26, wherein the maximum number of CQI/PMI bits comprises cyclic redundancy check (CRC) bits.

28.—— The apparatus of- claim 24, wherein the at least one processor is further configured to:
———provide an indication of a capability of the UE to support determining the value for the BPRE parameter that is independent of the actual number of CQI/PMI bits.

29. The apparatus of claim 28, wherein the UE provides the indication of the capability for a given transmission time interval (TTI) length.

30. The apparatus of claim 29, wherein:
the given TTI length comprises at least one of a slot or sub-slot.

31. A non-transitory computer readable medium having instructions stored thereon for:
receiving signaling of a configuration parameter;
receiving a request for an aperiodic channel state information (A-CSI) report;
calculating a transmit power for the A-CSI report that is
independent of an actual number of channel quality indicator (CQI) bits to transmit in the A-CSI report if the configuration parameter is set to a first value or
dependent on the actual number of CQI bits to transmit in the A-CSI report if the configuration parameter is set to a second value; and
transmitting the A-CSI report in accordance with the calculated transmit power.