

What is claimed is:

1. A method for sidelink control, comprising:

determining, by a user equipment, a sidelink channel busy measurement value corresponding to a first time unit; and

determining, by the user equipment, a transmission limit of sidelink communication on a second time unit according to the sidelink channel busy measurement value; wherein the second time unit meets a defined condition with respect to the first time unit;

wherein determining, by the user equipment, the sidelink channel busy measurement value corresponding to the first time unit comprises:

determining, by the user equipment, a measurement time unit set according to the first time unit; and

determining, by the user equipment, the sidelink channel busy measurement value by measuring a sidelink channel on the measurement time unit set; wherein the measurement time unit set determined by the user equipment in an energy-saving state is a subset of the measurement time unit set determined by the user equipment in a non-energy-saving state.

2. The method as claimed in claim 1, wherein the transmission limit comprises at least one of:

a maximum sending power allowed;

an available modulation encoding mode;

a maximum duration occupied by a transmission;

a number of frequency resources occupied by a transmission;

a maximum number of retransmissions of a data block; or

an upper limit of channel occupancy ratio CR.

3. The method as claimed in claim 1 or 2, wherein the defined condition comprises:

a time interval between the first time unit and the second time unit is not greater than a first time length threshold.

4. The method as claimed in claim 3, further comprising determining the first time length threshold, wherein the first time length threshold is determined based on at least one of the following:

a communication protocol; or,
predefined or pre-configured information; or,
downlink control information sent by a base station; or
an identifier indicating the first time length threshold sent by the base station, and a correspondence between the identifier and the first time length in the communication protocol; or
the identifier indicating the first time length threshold sent by the base station, and a correspondence between the identifier and the first time length sent by the base station.

5. The method as claimed in any of claims 1 to 4, wherein the sidelink channel busy measurement value is a default measurement value.

6. The method as claimed in claim 5, further comprising:
obtaining, by the user equipment, the default measurement value through the predefined or pre-configured information; or,
determining the sidelink channel busy measurement value based on at least one of the following:

downlink control information sent by a base station; or,
an identifier indicating the sidelink channel busy measurement value sent by the base station, and a correspondence between an identifier and the sidelink channel busy measurement value in a communication protocol; or,
the identifier indicating the sidelink channel busy measurement value sent by the base station, and a correspondence between an identifier and the sidelink channel busy measurement value sent by the base station.

7. The method as claimed in any of claims 1 to 6, wherein the first time unit is a time unit closest to the second time unit in a candidate time unit, and the candidate time unit is one or more time units meeting the defined condition with respect to the first time unit.

8. The method as claimed in claim 1, wherein,
time units within the measurement time unit set are not later than the first time unit, and a distance between the first time unit and each time unit within the measurement time unit set is not greater than a second time length threshold;
and/or,
a number of time units within the measurement time unit set is not less than a first number

threshold.

9. The method as claimed in claim 8, wherein the second time length threshold is determined based on a state of the user equipment.

10. The method as claimed in claim 9, further comprising:

determining the second time length threshold corresponding to each state of the user equipment based on downlink control information sent by a base station;

or,

determining the second time length threshold corresponding to each state of the user equipment based on a communication protocol.

11. The method as claimed in any of claims 8 to 10, wherein further comprising:

determining the first number threshold based on a state of the user equipment; or

obtaining the first number threshold based on predefined or pre-configured information; or,

determining the first number threshold based on downlink control information sent by a base station; or,

determining the first number threshold based on an identifier indicating the first number threshold sent by the base station, and a correspondence between the identifier and the first number threshold in a communication protocol; or,

determining the first number threshold based on the identifier indicating the first number threshold sent by the base station, and a correspondence between the identifier and the first number threshold sent by the base station.

12. A user equipment, comprising a processor, a transceiver, a memory and executable programs stored on the memory and capable of being operated by the processor, wherein, when the processor executes the executable programs, steps in the method for sidelink control as claimed in any of claims 1 to 11 are performed.

13. A storage medium having executable programs stored thereon, wherein, when the executable programs are executed by a processor, steps in the method for sidelink control as claimed in any of claims 1 to 11 are implemented.