CLAIMS

1. A method for sidelink data transmission, comprising:

when a terminal device determines, according to first configuration information, to receive a first sidelink transmission channel on a target transmission resource at a moment, and determines, according to second configuration information, to transmit a second sidelink transmission channel on the target transmission resource at the moment, receiving (S210) the first sidelink transmission channel or transmitting the second sidelink transmission channel on the target transmission resource at the moment, by the terminal device, according to a first rule;

wherein the first rule is:

receiving the first sidelink transmission channel or transmitting the second sidelink transmission channel on the target transmission resource at the moment, by the terminal device, according to a comparison result of first parameter information of to-be-received data on the first sidelink transmission channel and second parameter information of to-be-transmitted data on the second sidelink transmission channel;

characterized in that

the first parameter information is priority information of the to-be-received data, and the second parameter information is priority information of the to-be-transmitted data; and

the receiving the first sidelink transmission channel or transmitting the second sidelink transmission channel on the target transmission resource at the moment, by the terminal device, according to a comparison result of first parameter information of to-be-received data on the first sidelink transmission channel and second parameter information of to-be-transmitted data on the second sidelink transmission channel comprises:

receiving, by the terminal device, the first sidelink transmission on the target transmission resource at the moment, when a priority of the to-be-received data is higher than a priority of the to-be-transmitted data; or

transmitting, by the terminal device, the second sidelink transmission channel on the target transmission resource at the moment, when a priority of the to-be-received data is lower than a priority of the to-be-transmitted data.

2. The method according to claim 1, wherein the target transmission resource is a time-domain resource.

3. The method according to claim 1 or 2, wherein a type of the first sidelink transmission channel or a type of the second sidelink transmission channel is any one of the following: a physical sidelink control channel, PSCCH, a physical sidelink shared channel, PSSCH, a physical sidelink broadcast channel, PSBCH and a physical sidelink feedback channel, PSFCH.

4. The method according to any one of claims 1 to 3, wherein the first sidelink transmission channel is a first physical sidelink feedback channel, PSFCH, for first sidelink data, and the second sidelink transmission channel is a second PSFCH for second sidelink data; or,

the first sidelink transmission channel is a first PSFCH for first sidelink data, and the second sidelink transmission channel is a channel used to transmit second sidelink data; or,

the first sidelink transmission channel is a channel used to receive first sidelink data, and the second sidelink transmission channel is a second PSFCH for second sidelink data.

5. A terminal device (300), comprising: a processing unit (310) and a transceiving unit (320), wherein

the transceiving unit (320) is configured to: receive a first sidelink transmission channel or transmit a second sidelink transmission channel on a target transmission

resource according to a first rule at a moment, when the processing unit (310) determines, according to first configuration information, to receive the first sidelink transmission channel on the target transmission resource at the moment, and determines, according to the second configuration information, to transmit the second sidelink transmission channel on the target transmission resource at the moment;

wherein the first rule is:

receiving the first sidelink transmission channel or transmitting the second sidelink transmission channel on the target transmission resource at the moment, by the transceiving unit, according to a comparison result of first parameter information of to-be-received data on the first sidelink transmission channel and second parameter information of to-be-transmitted data on the second sidelink transmission channel;

characterized in that

the first parameter information is priority information of the to-be-received data, and the second parameter information is priority information of the to-be-transmitted data; and

the transceiving unit is further configured to:

receive the first sidelink transmission channel on the target transmission resource at the moment, when a priority of the to-be-received data is higher than a priority of the to-be-transmitted data; or

transmit the second sidelink transmission channel on the target transmission resource at the moment, when a priority of the to-be-received data is lower than a priority of the to-be-transmitted data.

6. The terminal device (300) according to claim 5, wherein the target transmission resource is a time-domain resource.

7. The terminal device (300) according to claim 5 or 6, wherein a type of the first sidelink transmission channel or a type of the second sidelink transmission channel is

any one of the following: a physical sidelink control channel, PSCCH, a physical sidelink shared channel, PSSCH, a physical sidelink broadcast channel, PSBCH and a physical sidelink feedback channel, PSFCH.

8. The terminal device (300) according to any one of claims 5 to 7, wherein the first sidelink transmission channel is a first physical sidelink feedback channel, PSFCH, for first sidelink data, and the second sidelink transmission channel is a second PSFCH for second sidelink data; or,

the first sidelink transmission channel is a first PSFCH for first sidelink data, and the second sidelink transmission channel is a channel used to transmit second sidelink data; or,

the first sidelink transmission channel is a channel used to receive first sidelink data, and the second sidelink transmission channel is a second PSFCH for second sidelink data.

9. A chip (500), comprising: a processor (510), configured to call and run a computer program from a memory (520), to enable a device installed with the chip (500) to perform the method for sidelink data transmission according to any one of claims 1 to 4.

10. A computer readable storage medium, configured to store a computer program, the computer programs enabling a computer to perform the method for sidelink data transmission according to any one of claims 1 to 4.