CLAIMS

What is claimed is:

1. A feedback information transmission method, performed by a terminal device, comprising:

receiving at least one piece of transmission information transmitted on at least one physical sidelink channel, wherein one piece of transmission information is transmitted on each physical sidelink channel;

determining power information corresponding to each of at least one piece of feedback information that corresponds to the at least one piece of transmission information; and

transmitting corresponding feedback information on at least one physical sidelink feedback channel resource based on the power information corresponding to each piece of feedback information;

wherein before the determining power information corresponding to each of at least one piece of feedback information that corresponds to the at least one piece of transmission information, the method further comprises:

determining feedback information for which transmission needs to be dropped; and

the determining power information corresponding to each of at least one piece of feedback information that corresponds to the at least one piece of transmission information comprises:

determining power information corresponding to each piece of feedback information for which transmission has not been dropped,

wherein the determining feedback information for which transmission needs to be dropped comprises:

determining feedback information for which transmission needs to be dropped, until a quantity of feedback information for which transmission has not been dropped reaches a first quantity, wherein the first quantity is a quantity of simultaneously transmitted feedback information that can be supported by a transmit power of a transmitting device,

wherein the determining power information corresponding to each piece of feedback information for which transmission has not been dropped comprises:

determining that the power information corresponding to each piece of feedback information for which transmission has not been dropped is preset power information; or

determining that the power information corresponding to each piece of feedback information for which transmission has not been dropped is an arithmetic mean of total power information divided by a quantity of feedback information.

2. The method according to claim 1, wherein the determining power information corresponding to each of at least one piece of feedback information that corresponds to the at least one piece of transmission information comprises:

determining that the power information corresponding to each piece of feedback information is preset power information; or

determining that the power information corresponding to each piece of feedback information is an arithmetic mean of total power information divided by a quantity of feedback information.

3. The method according to claim 1, wherein the determining feedback information for which transmission needs to be dropped comprises:

determining, based on fourth attribute information of the transmission information, the feedback information for which transmission needs to be dropped, wherein the fourth attribute information comprises any one of the following:

quality of service, a priority, a modulation and coding scheme, a size of a resource occupied by the transmission information, and a quantity of layers.

4. The method according to claim 1, wherein the determining feedback information for which transmission needs to be dropped comprises:

determining, based on the transmission mode for transmitting the transmission information, the feedback information for which transmission needs to be dropped, wherein the transmission mode comprises:

transmitting the transmission information using a beam, or transmitting the transmission information without using a beam.

5. The method according to claim 1, wherein the determining feedback information for which transmission needs to be dropped comprises:

determining, based on a response state of the feedback information, the feedback information for which transmission needs to be dropped, wherein the response state comprises an acknowledgment state and a negative acknowledgment state.

6. The method according to claim 1, wherein the determining feedback information for which transmission needs to be dropped comprises:

determining, based on a transmission type of the at least one piece of transmission information, the feedback information for which transmission needs to be dropped.

7. The method according to claim 6, wherein the determining, based on a transmission type of the at least one piece of transmission information, the feedback information for which transmission needs to be dropped comprises:

determining, based on a priority corresponding to the transmission type of the at least one piece of transmission information, the feedback information for which transmission needs to be dropped;

wherein the transmission type is unicast or multicast.

8. The method according to claim 1, wherein the determining feedback information for which transmission needs to be dropped comprises:

determining, based on the physical sidelink feedback channel format corresponding to each piece of feedback information, the feedback information for which transmission needs to be dropped.

9. The method according to claim 8, wherein the determining, based on the physical sidelink feedback channel format corresponding to each piece of feedback information, the feedback information for which transmission needs to be dropped comprises:

determining, based on a priority of the physical sidelink feedback channel format corresponding to each piece of feedback information, the feedback information for which transmission needs to be dropped.

10. The method according to claim 1, wherein before the transmitting corresponding feedback information on at least one physical sidelink feedback channel resource based on the power information corresponding to each piece of feedback information, the method further comprises:

performing a logical operation on feedback information for one transmit end, to obtain a logical operation result of the feedback information for the one transmit end; and

transmitting the logical operation result of the feedback information for the one transmit end on a predefined or preconfigured physical sidelink feedback channel resource.

11. A terminal device, comprising a processor, a memory, and a computer program stored on the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the steps of the feedback information transmission method according to any one of claims 1 to 10 are implemented.

12. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, the steps of the feedback information transmission method according to any one of claims 1 to 10 are implemented.