CLAIMS

What is claimed is:

1. A data processing method, applied to a sidelink transmission process, wherein the method is performed by a user equipment UE and characterized by comprising:

determining first transmission priorities of at least two pieces of data, wherein time-domain resources used for transmitting the at least two pieces of data overlap, the at least two pieces of data comprises at least one piece of sidelink feedback data and at least one piece of other data, the sidelink feedback data is feedback data transmitted between the UE and another UE through a sidelink, and the other data comprises at least one of service data and control information; and

determining a target processing manner based on the first transmission priorities, wherein the target processing manner is used to process the at least two pieces of data.

2. The method according to claim 1, wherein the first transmission priorities are target priorities, and the target priorities comprise any one of the following:

priorities of physical channels carrying the at least two pieces of data, priorities of data channels carrying the at least two pieces of data, priorities of transmission modes used for transmitting the at least two pieces of data, priorities of resource selection modes used for transmitting the at least two pieces of data, and priorities of radio access technology RAT types used for transmitting the at least two pieces of data.

3. The method according to claim 2, wherein the priority of the physical channel is a predefined physical channel priority, a physical channel priority configured by a network device, or a priority of a data channel corresponding to the physical channel.

4. The method according to claim 2, wherein the priority of the data channel is a predefined data channel priority or a data channel priority configured by a network device.

5. The method according to claim 2, wherein

a priority of a physical channel carrying the sidelink feedback data is a predefined physical channel priority, a physical channel priority configured by a network device, a priority of a data channel corresponding to the physical channel carrying the sidelink feedback data, a highest priority in at least two pieces of service data corresponding to the sidelink feedback data, or a redefined priority corresponding to the at least two pieces of service data.

6. The method according to claim 2, wherein

a priority of a data channel carrying the sidelink feedback data is a predefined data channel priority, a data channel priority configured by a network device, a highest priority in at least two pieces of service data corresponding to the sidelink feedback data, or a redefined priority corresponding to the at least two pieces of service data.

7. The method according to any one of claims 1 to 6, wherein the target processing manner comprises any one of the following:

transmitting data whose first transmission priority is greater than or equal to a preset priority in the at least two pieces of data, and discarding other data;

transmitting a preset quantity of pieces of data in the at least two pieces of data and discarding other data;

maintaining transmit power of data whose first transmission priority is greater than or equal to a preset priority in the at least two pieces of data, and reducing transmit power of other data; and

maintaining transmit power of a preset quantity of pieces of data in the at least two pieces of data, and reducing transmit power of other data.

8. The method according to claim 1, wherein the method further comprises:

in a case in which the at least two pieces of data all have a same first transmission priority, determining second transmission priorities of the at least two pieces of data, wherein each data has a different second transmission priority; and

the determining a target processing manner based on the first transmission priorities comprises:

determining the target processing manner based on the second transmission priorities.

9. The method according to claim 1, wherein after the determining a target processing manner based on the first transmission priorities, the method further comprises:

processing the at least two pieces of data in the target processing manner.

10. User equipment UE, applied to a sidelink transmission process, wherein the UE comprises a determining unit; and

the determining unit is configured to determine first transmission priorities of at least two pieces of data, wherein time-domain resources used for transmitting the at least two pieces of data overlap, the at least two pieces of data comprises at least one piece of sidelink feedback data and at least one piece of other data, the sidelink feedback data is feedback data transmitted

between the UE and another UE through a sidelink, and the other data comprises at least one of service data and control information; and determine a target processing manner based on the first transmission priorities, wherein the target processing manner is used to process the at least two pieces of data.

11. The UE according to claim 10, wherein the first transmission priorities are target priorities, and the target priorities comprise any one of the following:

priorities of physical channels carrying the at least two pieces of data, priorities of data channels carrying the at least two pieces of data, priorities of transmission modes used for transmitting the at least two pieces of data, priorities of resource selection modes used for transmitting the at least two pieces of data, and priorities of radio access technology RAT types used for transmitting the at least two pieces of data.

12. The UE according to claim 11, wherein the priority of the physical channel is a predefined physical channel priority, a physical channel priority configured by a network device, or a priority of a data channel corresponding to the physical channel.

13. The UE according to claim 11, wherein the priority of the data channel is a predefined data channel priority or a data channel priority configured by a network device.

14. The UE according to claim 11, wherein

a priority of a physical channel carrying the sidelink feedback data is a predefined physical channel priority, a physical channel priority configured by a network device, a priority of a data channel corresponding to the physical channel carrying the sidelink feedback data, a highest priority in at least two pieces of service data corresponding to the sidelink feedback data, or a redefined priority corresponding to the at least two pieces of service data.

15. The UE according to claim 11, wherein

a priority of a data channel carrying the sidelink feedback data is a predefined data channel priority, a data channel priority configured by a network device, a highest priority in at least two pieces of service data corresponding to the sidelink feedback data, or a redefined priority corresponding to the at least two pieces of service data.

16. The UE according to any one of claims 10 to 15, wherein the target processing manner comprises any one of the following:

transmitting data whose first transmission priority is greater than or equal to a preset priority in the at least two pieces of data, and discarding other data; transmitting a preset

quantity of pieces of data in the at least two pieces of data and discarding other data; maintaining transmit power of data whose first transmission priority is greater than or equal to a preset priority in the at least two pieces of data, and reducing transmit power of other data; and maintaining transmit power of a preset quantity of pieces of data in the at least two pieces of data, and reducing transmit power of other data.

17. The UE according to claim 10, wherein the determining unit is further configured to: in a case in which the at least two pieces of data all have a same first transmission priority, determine second transmission priorities of the at least two pieces of data, wherein each data has a different second transmission priority; and

the determining unit is specifically configured to: determine the target processing manner based on the second transmission priorities.

18. The UE according to claim 10, wherein the UE further comprises a processing unit; and

the processing unit is configured to: after the determining unit determines the target processing manner based on the first transmission priorities, process the at least two pieces of data in the target processing manner determined by the determining unit.

19. User equipment UE, comprising a processor, a memory, and a computer program stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the steps of the data processing method according to any one of claims 1 to 9 are implemented.