WHAT IS CLAIMED IS:

1. A communication method for sidelink, comprising:

selecting, by a first terminal, a first carrier or a first resource pool from at least one carrier or at least one resource pool according to a Quality of Service (QoS) attribute configuration and/or a transmission format configuration corresponding to the at least one carrier or the at least one resource pool; and

communicating, by the first terminal, with a second terminal using the first carrier or the first resource pool.

2. The method according to claim 1, further comprising:

based on the QoS attribute configuration and/or the transmission format configuration of the first carrier or the first resource pool, and a QoS attribute requirement and/or a transmission format requirement of data to be transmitted, selecting, from the data to be transmitted, data which is to be transmitted by the first carrier or the first resource pool.

3. The method according to claim 1 or 2, wherein selecting the first carrier or the first resource pool comprises:

selecting the first carrier or the first resource pool from the at least one carrier or the at least one resource pool, according to the QoS attribute configuration and/or the transmission format configuration corresponding to the at least one carrier or the at least one resource pool and at least one of the following:

a QoS attribute requirement of at least part of the data to be transmitted;

a transmission format requirement of at least part of the data to be transmitted;

a transmission mode of at least part of the data to be transmitted;

a channel busy ratio of the at least one carrier or the at least one resource pool;

a correspondence between a channel busy ratio requirement and a service priority identifier corresponding to the at least one carrier or the at least one resource pool; or

a service priority identifier of at least part of the data to be transmitted.

4. The method according to any one of claims 1 to 3, wherein the first carrier is a carrier

that satisfies at least one of the following conditions among the at least one carrier:

having the lowest channel busy ratio;

having a channel busy ratio that meets a channel busy ratio requirement corresponding to a service priority identifier of at least part of the data to be transmitted;

having a QoS attribute configuration that meets a QoS attribute requirement of at least part of the data to be transmitted; or

having a transmission format configuration that meets a transmission format requirement of at least part of the data to be transmitted.

5. The method according to any one of claims 1 to 4, wherein in the case of selecting the first carrier from the at least one carrier, communicating, by the first terminal, with a second terminal using the first carrier or the first resource pool, comprises:

communicating, by the first terminal, with the second terminal using a second resource pool corresponding to the first carrier.

6. The method according to claim 5, further comprising:

according to a QoS attribute configuration and/or a transmission format configuration of at least part of the at least one resource pool corresponding to the first carrier, selecting the second resource pool from the at least part of the at least one resource pool corresponding to the first carrier.

7. The method according to claim 5 or 6, wherein the second resource pool is a resource pool that satisfies at least one of the following conditions among the at least part of the at least one resource pool corresponding to the first carrier:

having the lowest channel busy ratio;

having a channel busy ratio that meets a channel busy ratio requirement corresponding to a service priority identifier of at least part of the data to be transmitted;

having a QoS attribute configuration that meets a QoS attribute requirement of at least part of the data to be transmitted; or

having a transmission format configuration that meets a transmission format requirement

of at least part of the data to be transmitted.

8. The method according to any one of claims 1 to 3, wherein the first resource pool is a resource pool that satisfies at least one of the following conditions among the at least one resource pool:

having the lowest channel busy ratio;

having a channel busy ratio that meets a channel busy ratio requirement corresponding to a service priority identifier of at least part of the data to be transmitted;

having a QoS attribute configuration that meets a QoS attribute requirement of at least part of the data to be transmitted; or

having a transmission format configuration that meets a transmission format requirement of at least part of the data to be transmitted.

9. The method according to any one of claims 1 to 8, wherein selecting the first carrier or the first resource pool comprises:

in a case that a currently used carrier or a currently used resource pool cannot meet a QoS attribute requirement of at least part of the data to be transmitted and/or at least part of the data to be transmitted is sent in a non-single transmission mode, selecting the first carrier or the first resource pool from the at least one carrier or the at least one resource pool.

10. The method according to any one of claims 1 to 9, wherein different communication standards correspond to different transmission formats.

11. The method according to any one of claims 1 to 10, wherein the transmission format is defined by a communication mode.

12. The method according to claim 11, wherein the communication mode is a unicast communication mode, a multicast communication mode, or a broadcast communication mode.

13. The method according to claim 11, wherein the communication mode comprises a resource selection mode.

14. The method according to any one of claims 1 to 13, wherein the transmission format is defined by at least one of the following: a frequency attribute of a resource, a time attribute of a resource, an attribute of resource authorization, or an associated source address and/or destination address.

15. A terminal device, applied to a sidelink communication and configured to perform the method according to any one of claims 1 to 14.