WHAT IS CLAIMED IS:

1. A signal processing method, comprising:

determining, by a terminal device, a plurality of signals that are quasi-co-located with a first port set of a first reference signal, wherein the first port set is used to send or receive the first reference signal, the first port set comprises all antenna ports for sending or receiving the first reference signal, and the plurality of signals are different types of signals;

determining, by the terminal device, a target signal among the plurality of signals; and

receiving, by the terminal device, the first reference signal via the first port set according to a quasi-co-location relationship between the first port set and the target signal,

wherein the first reference signal and any one of the plurality of signals have the same or similar channel large-scale parameters, or a beam for sending or receiving the first reference signal is the same as or similar to a beam for sending or receiving any one of the plurality of signals.

2. The method according to claim 1, wherein the first reference signal is one of a demodulation reference signal (DMRS), a channel state information reference signal (CSI-RS), a channel sounding reference signal (SRS), and a phase tracking reference signal (PTRS).

3. The method according to any one of claims 1 to 2, wherein the determining, by the terminal device, the plurality of signals that are quasi-co-located with the first port set of the first reference signal comprises:

receiving quasi-co-location indication information sent by a network device; and

determining a first signal that is quasi-co-located with the first port set according to the quasi-co-location indication information, the first signal belonging to the plurality of signals.

4. The method according to any one of claims 1 to 3, wherein the determining, by the terminal device, the plurality of signals that are quasi-co-located with the first port set of the first reference signal comprises:

determining a second signal that is quasi-co-located with the first port set according to a beam correspondence, the second signal belonging to the plurality of signals.

5. The method according to claim 4, wherein the determining, by the terminal device, the second signal that is quasi-co-located with the first port set according to the beam correspondence comprises:

when a beam for sending or receiving a signal on the first port set is the same as a beam

for sending or receiving the second signal, determining that the first port set and the second signal are quasi-co-located on a spatial receiving parameter.

6. The method according to any one of claims 1 to 5, wherein the channel large-scale parameters comprise at least one parameter of a delay spread, a Doppler spread, a Doppler shift, an average gain, an average delay, a departure of angle, an arrival of angle, a correlation of receiving, a correlation of transmitting, and a spatial receiving parameter.

7. The method according to any one of claims 1 to 6, wherein the determining, by the terminal device, the target signal among the plurality of signals comprises:

determining, by the terminal device, the target signal based on a priority of each of the plurality of signals.

8. The method according to claim 7, wherein the priority of the target signal is higher than a priority of a third signal in the plurality of signals, and

wherein the first port set and the target signal are quasi-co-located with respect to a target channel large-scale parameter, and the first port set and the third signal are quasi-co-located with respect to the target channel large-scale parameter.

9. The method according to any one of claims 1 to 2, wherein the determining, by the terminal device, the target signal among the plurality of signals comprises:

determining, by the terminal device, the target signal based on a preset rule according to at least one quasi-co-location indication information sent by a network device, wherein the at least one quasi-co-location indication information is used to determine the plurality of signals quasi-co-located with the first port set.

10. The method according to any one of claims 1 to 9, wherein the receiving, by the terminal device, the first reference signal via the first port set according to the quasi-co-location relationship between the first port set and the target signal comprises:

determining a target beam that sends or receives the target signal; and

receiving the first reference signal via the target beam.

11. A terminal device, comprising:

a determining unit, configured to determine a plurality of signals that are quasi-co-located with a first port set of the first reference signal, wherein the first port set is used to send or receive the first reference signal, the first port set comprises all antenna ports for sending or receiving the first reference signal, and the plurality of signals are different types of signals;

the determining unit being further configured to determine a target signal among the plurality of signals; and

a transceiver unit, configured to receive the first reference signal via the first port set according to a quasi-co-location relationship between the first port set and the target signal,

wherein the first reference signal and any one of the plurality of signals have the same or similar channel large-scale parameters, or a beam for sending or receiving the first reference signal is the same as or similar to a beam for sending or receiving any one of the plurality of signals.

12. The terminal device according to claim 11, wherein the first reference signal is one of a demodulation reference signal (DMRS), a channel state information reference signal (CSI-RS), a channel sounding reference signal (SRS), and a phase tracking reference signal (PTRS).

13. The terminal device according to any one of claims 11 to 12, wherein the transceiver unit is specifically configured to:

receive quasi-co-location indication information sent by a network device; and

the determining unit is specifically configured to:

determine a first signal that is quasi-co-located with the first port set according to the quasi-co-location indication information, the first signal belonging to the plurality of signals.

14. The terminal device according to any one of claims 11 to 13, wherein the determining unit is specifically configured to:

determine a second signal that is quasi-co-located with the first port set according to a beam correspondence, the second signal belonging to the plurality of signals.

15. The terminal device according to claim 14, wherein the determining unit is specifically configured to:

when a beam for sending or receiving a signal on the first port set is the same as a beam for sending or receiving the second signal, determine that the first port set and the second signal are quasi-co-located on a spatial receiving parameter.

16. The terminal device according to any one of claims 11 to 15, wherein the channel large-scale parameters comprise at least one parameter of a delay spread, a Doppler spread, a Doppler shift, an average gain, an average delay, a departure of angle, an arrival of angle, a correlation of receiving, a correlation of transmitting, and a spatial receiving parameter.

17. The terminal device according to any one of claims 11 to 16, wherein the determining

unit is specifically configured to:

determine the target signal based on a priority of each of the plurality of signals.

18. The terminal device according to claim 17, wherein the priority of the target signal is higher than a priority of a third signal in the plurality of signals, and

wherein the first port set and the target signal are quasi-co-located with respect to a target channel large-scale parameter, and the first port set and the third signal are quasi-co-located with respect to the target channel large-scale parameter.

19. The terminal device according to any one of claims 11 to 12, wherein the determining unit is specifically configured to:

determine the target signal based on a preset rule according to at least one quasi-co-location indication information sent by a network device, wherein the at least one quasi-co-location indication information is used to determine the plurality of signals quasi-co-located with the first port set signal.

20. The terminal device according to any one of claims 11 to 19, wherein the determining unit is specifically configured to:

determine a target beam that sends or receives the target signal; and

the transceiver unit is specifically configured to:

receive the first reference signal via the target beam.

21. A network device, comprising:

a transceiver unit, configured to send quasi-co-location indication information to a terminal device; wherein the quasi-co-location indication information indicates a first signal is quasi-co-located with a first port set of the terminal device, the first signal belonging to a plurality of signals, wherein the first port set is used to send or receive a first reference signal, the first port set comprises all antenna ports for sending or receiving the first reference signal, and the plurality of signals are different types of signals;

wherein the transceiver unit is further configured to send the plurality of signals to the terminal device; wherein the first reference signal and any one of the plurality of signals have the same or similar channel large-scale parameters, or a beam for sending or receiving the first reference signal is the same as or similar to a beam for sending or receiving any one of the plurality of signals.