

WHAT IS CLAIMED IS:

1. A resource configuration method, performed by a terminal, comprising:

receiving first resource configuration information sent by a network device, the first resource configuration information indicating a transmission resource of a first reference signal, and the first reference signal being a reference signal for a positioning purpose; wherein,

a frequency domain resource in the transmission resource comprises at least one carrier;

wherein the first resource configuration information comprises a time domain parameter corresponding to the transmission resource, the time domain parameter indicating a time domain resource on the at least one carrier, and the time domain resource on the at least one carrier is identical.

2. The method of claim 1, wherein a subcarrier space on the at least one carrier is identical; or

wherein at least two carriers in the at least one carrier have different subcarrier spaces.

3. The method of claim 1 or 2, wherein the time domain parameter comprises at least one of: a cycle, a start slot, a start symbol, or a number of occupied symbols.

4. The method of claim 1 or 2, wherein the first resource configuration information comprises a time domain parameter corresponding to a reference carrier in the at least one carrier, the time domain parameter corresponding to the reference carrier indicating a time domain resource on the reference carrier;

wherein a time domain resource on each carrier other than the reference carrier in the at least one carrier is identical to the time domain resource on the reference carrier;

wherein the reference carrier is a carrier having a minimum subcarrier space in the at least one carrier, or a carrier having a maximum subcarrier space in the at least one carrier;

wherein the time domain parameter comprises at least one of: a cycle, a start slot, a start symbol, or a number of occupied symbols.

5. The method of claim 1 or 2, wherein the first resource configuration information comprises a time domain parameter corresponding to each carrier of the at least one carrier, the time domain parameter indicating a time domain resource on each carrier; wherein the time domain parameter comprises at least one of: a cycle, a start slot, a start symbol, or a number of occupied symbols.

6. The method of claim 5, wherein:

the at least one carrier comprises a first carrier and a second carrier; and in response to a subcarrier space on the first carrier being less than a subcarrier space on the second carrier, a time domain resource on the first carrier comprises a time domain resource on the second carrier; or

the at least one carrier comprises a third carrier and a fourth carrier, and a time domain resource on the third carrier is identical to a time domain resource on the fourth carrier.

7. The method of any one of claims 1-6, wherein the first resource configuration information comprises a frequency domain parameter corresponding to each carrier of the at least one carrier, the frequency domain parameter indicating a frequency domain resource on each carrier; or

wherein the first resource configuration information comprises a frequency domain parameter corresponding to a fifth carrier in the at least one carrier, the frequency domain parameter corresponding to the fifth carrier indicating a frequency domain resource on the fifth carrier; wherein a frequency domain parameter corresponding to each carrier other than the fifth carrier in the at least one carrier is a default parameter, or, the frequency domain parameter corresponding to each carrier other than the fifth carrier in the at least one carrier is identical to the frequency domain parameter corresponding to the fifth carrier.

8. The method of claim 7, wherein the frequency domain parameter comprises at least one of: a starting physical resource block or a frequency domain comb size, the frequency domain comb size indicating a number of resource elements by which the first reference signal is spaced in the frequency domain.

9. The method of any one of claims 1-8, wherein a transmitting power of the first reference signal is configured as one of:

the transmitting power of the first reference signal being positively correlated with a space between the at least one carrier;

the transmitting power of the first reference signal being identical to a transmitting power of a second reference signal; or

the transmitting power of the first reference signal being determined based on the transmitting power of the second reference signal;

wherein the second reference signal comprises: a synchronization signal block (SSB), or a reference signal for calculating a path loss.

10. A resource configuration method, performed by a network device, comprising:

sending first resource configuration information to a terminal, the first resource configuration information indicating a transmission resource of a first reference signal, and the first reference signal being a reference signal for a positioning purpose; wherein,

a frequency domain resource in the transmission resource comprises at least one carrier;

wherein the first resource configuration information comprises a time domain parameter corresponding to the transmission resource, the time domain parameter indicating a time domain resource on the at least one carrier, and the time domain resource on the at least one carrier is identical.

11. The method of claim 10, wherein a subcarrier space on the at least one carrier is identical; or

wherein at least two carriers in the at least one carrier have different subcarrier spaces.

12. The method of claim 10 or 11, wherein the time domain parameter comprises at least one of: a cycle, a start slot, a start symbol, or a number of occupied symbols.

13. The method of claim 10 or 11, wherein the first resource configuration information comprises a time domain parameter corresponding to a reference carrier in the at least one carrier, the time domain parameter corresponding to the reference carrier indicating a time domain resource on the reference carrier;

wherein a time domain resource on each carrier other than the reference carrier in the at least one carrier is identical to the time domain resource on the reference carrier;

wherein the reference carrier is a carrier having a minimum subcarrier space in the at least one carrier, or a carrier having a maximum subcarrier space in the at least one carrier;

wherein the time domain parameter comprises at least one of: a cycle, a start slot, a start symbol, or a number of occupied symbols.

14. The method of claim 10 or 11, wherein the first resource configuration information comprises a time domain parameter corresponding to each carrier of the at least one carrier, the time domain parameter indicating a time domain resource on each carrier;

wherein the time domain parameter comprises at least one of: a cycle, a start slot, a start symbol, or a number of occupied symbols.

15. The method of claim 14, wherein the at least one carrier comprises a first carrier and a second carrier; and in response to a subcarrier space on the first carrier being less than a subcarrier space on the second carrier, a time domain resource on the first carrier comprises a time domain resource on the second carrier;

or

the at least one carrier comprises a third carrier and a fourth carrier, and a time domain resource on the third carrier is identical to a time domain resource on the fourth carrier.

16. The method of any one of claims 10-15, wherein the first resource configuration information comprises a frequency domain parameter corresponding to each carrier of the at least one carrier, the frequency domain parameter indicating a frequency domain resource on each carrier; or

wherein the first resource configuration information comprises a frequency domain parameter corresponding to a fifth carrier in the at least one carrier, the frequency domain parameter corresponding to the fifth carrier indicating a frequency domain resource on the fifth carrier; wherein a frequency domain parameter corresponding to each carrier other than the fifth carrier in the at least one carrier is a default parameter, or, the frequency domain parameter corresponding to each carrier other than the fifth other than the fifth carrier in the at least one carrier is identical to the frequency domain parameter corresponding to the fifth carrier.

17. The method of claim 16, wherein the frequency domain parameter comprises at least one of: a starting physical resource block or a frequency domain comb size, the frequency domain comb size indicating a number of resource elements by which the first reference signal is spaced in the frequency domain.

18. The method of any one of claims 10-17, wherein a transmitting power of the first reference signal is configured as one of:

the transmitting power of the first reference signal being positively correlated with a space between the at least one carrier;

the transmitting power of the first reference signal being identical to a transmitting power of a second reference signal; or

the transmitting power of the first reference signal being determined based on the transmitting power of the second reference signal;

wherein the second reference signal comprises: a synchronization signal block (SSB), or a reference signal for calculating a path loss.

19. A terminal, comprising:

a processor;

a transceiver coupled to the processor; wherein

the processor is configured to perform the resource configuration method of any one of claims 1-9.

20. A network device, comprising:

a processor;

a transceiver coupled to the processor; wherein

the processor is configured to perform the resource configuration method of any one of claims 10-18.