

CLAIMS:

1. A wireless communication method, comprising:

configuring, by a network device, a frequency domain resource and/or a bandwidth part for a terminal device according to a reference point, wherein the reference point is used for configuring the frequency domain resource and/or the bandwidth part for the terminal device, wherein the reference point comprises a first reference point and a second reference point, the first reference point is used for configuring the bandwidth part for the terminal device, and the second reference point is used for configuring the frequency domain resource allocation for the terminal device; and

sending, by the network device, first information to the terminal device, wherein the first information indicates the first reference point, and

the bandwidth part is configured according to the first reference point, the second reference point is determined according to the configured bandwidth part, and the frequency domain resource is allocated according to the second reference point.

~~2. The method of claim 1, further comprising:~~

~~sending, by the network device, first information to the terminal device, wherein the first information indicates the reference point.~~

~~3. The method of claim 2, wherein the first information indicates a frequency domain relationship between a first synchronization signal block and the reference point.~~

~~4. The method of claim 3, further comprising:~~

~~receiving, by the network device, a first message sent by the terminal device, wherein the first message indicates that the first synchronization signal block is detected by the terminal device.~~

25. The method of claim 12, wherein the configuring, by the network device, the frequency domain resource and/or the bandwidth part for the terminal device according to the reference point, comprises~~further comprising:~~

~~sending, by the network device, third information to the terminal device, wherein the third information indicates an offset between the bandwidth part configured for the terminal device and the reference point.~~

~~6. The method of claim 5, wherein the offset between the bandwidth part and the reference point is an offset between a lowest frequency point of the bandwidth part and the reference point.~~

~~7. The method of claim 2, wherein the reference point comprises a first reference point and a second reference point, the first reference point is used for configuring the bandwidth~~

part for the terminal device, and the second reference point is used for configuring the frequency domain resource for the terminal device.

8. The method of claim 7, wherein the first information indicates the first reference point;

the configuring the frequency domain resource and/or the bandwidth part for the terminal device according to the reference point comprises:

configuring the bandwidth part for the terminal device according to the first reference point;

determining the second reference point according to the configured bandwidth part; and

configuring the frequency domain resource for the terminal device according to the second reference point.

39. The method of claim 18, wherein the first reference point is different from the second reference point.

410. The method of claim 12, further comprising:

sending, by the network device, a part of a complete reference signal in a configured bandwidth range of the terminal device, wherein the complete reference signal is determined by the reference point.

5. The method of claim 3, further comprising:

sending, by the network device, a reference signal to the terminal device according to a third reference point;

wherein the third reference point and the first reference point are the same reference point.

6. The method of claim 5, wherein the sending, by the network device, the reference signal to the terminal device according to the third reference point, comprises:

sending, by the network device, the reference signal to the terminal device by taking the third reference point as a starting point.

7. The method of claim 6, wherein the sending, by the network device, the reference signal to the terminal device by taking the third reference point as the starting point, comprises:

sending, by the network device, the reference signal to the terminal device by taking the third reference point as the starting point within a frequency range allocated for the terminal device.

8. The method of claim 7, wherein the sending, by the network device, the reference signal to the terminal device by taking the third reference point as the starting point,

comprises:

not sending, by the network device, the reference signal to the terminal device outside the frequency range allocated for the terminal device.

9. The method of any one of claims 5 to 8, wherein a first frequency range starting from the third reference point is not allocated to the terminal device.

1011. The method of any one of claims 1-910, wherein the first information is carried in a system broadcast message or a radio resource control (RRC) dedicated signaling.

1112. A wireless communication method, comprising:
receiving, by a terminal device, first information sent by a network device, wherein the first information indicates a reference point; and

determining, by the terminal device, a reference point for a network device to configure a frequency domain resource and/or a bandwidth part configured by the network device for the terminal device according to the reference point, wherein the frequency domain resource and/or the bandwidth part are configured by the network device according to the reference point, wherein the reference point is used for configuring the frequency domain resource and/or the bandwidth part for the terminal device,

wherein the reference point comprises a first reference point and a second reference point, the first reference point is used for configuring the bandwidth part for the terminal device, and the second reference point is used for configuring the frequency domain resource for the terminal device,

wherein the first information indicates the first reference point; and
the bandwidth part is configured by the first reference point;
the second reference point is determined according to the configured bandwidth part;
and

the frequency domain resource is configured according to the second reference point.

13. The method of claim 12, further comprising:

receiving, by the terminal device, first information sent by the network device, wherein the first information indicates the reference point.

14. The method of claim 13, wherein the first information indicates a frequency domain relationship between a first synchronization signal block and the reference point.

15. The method of claim 14, further comprising:

sending, by the terminal device, a first message to the network device, wherein the first message indicates that the first synchronization signal block is detected by the terminal device.

~~1216.~~ The method of claim ~~1113~~, further comprising:

receiving, by the terminal device, third information sent by the network device, wherein the third information indicates an offset between the bandwidth part configured for the terminal device and the reference point;

~~17. The method of claim 16~~, wherein the offset between the bandwidth part and the reference point is an offset between a lowest frequency point of the bandwidth part and the reference point.

~~18. The method of claim 13~~, wherein the reference point comprises a first reference point and a second reference point, the first reference point is used for configuring the bandwidth part for the terminal device, and the second reference point is used for configuring the frequency domain resource for the terminal device.

~~19. The method of claim 18~~, wherein the first information indicates the first reference point;

the determining, by the terminal device, the reference point for the network device to configure the frequency domain resource and/or the bandwidth part for the terminal device according to the reference point, comprises:

determining the bandwidth part configured for the terminal device by the network device according to the first reference point;

determining the second reference point according to the configured bandwidth part; and determining the frequency domain resource configured for the terminal device by the network device according to the second reference point.

~~1320.~~ The method of claim ~~1119~~, wherein the first reference point is different from the second reference point.

~~1421.~~ The method of claim ~~1113~~, further comprising:

receiving, by the terminal device, a part of a complete reference signal in a configured bandwidth range from the network device, wherein the complete reference signal is determined by the reference point.

15. The method of claim 13, further comprising:

receiving, by the terminal device, a reference signal sent by the network device according to a third reference point;

wherein the third reference point and the first reference point are the same reference point.

16. The method of claim 15, wherein the receiving, by the terminal device, the reference signal sent by the network device according to the third reference point, comprises:

receiving, by the terminal device, the reference signal sent by the network device by taking the third reference point as a starting point.

17. The method of claim 16, wherein the receiving, by the terminal device, the reference signal sent by the network device by taking the third reference point as the starting point, comprises:

receiving, by the terminal device, the reference signal sent by the network device by taking the third reference point as the starting point within a frequency range allocated for the terminal device.

18. The method of claim 17, wherein the reference signal is not sent by the network device to the terminal device outside the frequency range allocated for the terminal device.

19. The method according to any one of claims 15 to 18, wherein a first frequency range starting from the third reference point is not allocated to the terminal device.

2022. The method of any one of claims 1142-1924, wherein the first information is carried in a system broadcast message or a radio resource control (RRC) dedicated signaling.

2123. A network device, comprising:

a processor;
a memory; and
a transceiver,

wherein the processor, the memory and the transceiver communicate with each other through an internal connection, transmission control and/or data signals, such that the network device performs the wireless communication method of any one of claims 1-1044.

2224. A terminal device, comprising:

a processor;
a memory; and
a transceiver,

wherein the processor, the memory and the transceiver communicate with each other through an internal connection, transmission control and/or data signals, such that the network device performs the wireless communication method of any one of claims 1142-2022.