

CLAIMS

1. A wireless communication method, performed by a terminal, comprising:
transmitting communication information on a first bandwidth part (BWP); and
transmitting a positioning-purpose reference signal on a second BWP while transmitting the communication information on the first BWP;
wherein the communication information does not comprise the positioning-purpose reference signal.
2. The method as claimed in claim 1, further comprising:
receiving a first configuration signaling, wherein the first configuration signaling is configured to indicate a frequency domain resource location within the first BWP; and
determining the frequency domain resource for transmitting the communication information based on the first configuration signaling.
3. The method as claimed in claim 1 or 2, wherein the second BWP comprises the first BWP.
4. The method as claimed in claim 3, wherein the second BWP is configured as a unique active BWP of ~~a terminal~~ the terminal.
5. The method as claimed in claim 3, wherein the first BWP is configured as a first active BWP of ~~a terminal~~ the terminal and the second BWP is configured as a second active BWP of the terminal.
6. The method as claimed in claim 3, wherein the first BWP is configured as a unique active BWP of ~~a terminal~~ the terminal and the second BWP is configured as a positioning measurement BWP of the terminal.
7. The method as claimed in claim 3, further comprising:
switching ~~the a~~ BWP for transmitting the communication information from a fourth BWP to the first BWP, wherein the fourth BWP is located outside the second BWP.

8. The method as claimed in claim 1 or 2, wherein the second BWP and the first BWP partially overlap.

9. The method as claimed in claim 8, wherein a third BWP is configured as a unique active BWP of ~~a terminal~~the terminal and the third BWP is a union of the first BWP and the second BWP.

10. The method as claimed in claim 8, wherein the first BWP is configured as a first active BWP of ~~a terminal~~the terminal and the second BWP is configured as a second active BWP of the terminal;

or, the first BWP is configured as the first active BWP of the terminal, a third BWP is configured as the second active BWP of the terminal, and the third BWP is a union of the first BWP and the second BWP.

11. The method as claimed in claim 8, wherein the first BWP is configured as a unique active BWP of ~~a terminal~~the terminal and the second BWP is configured as a positioning measurement BWP of the terminal.

12. The method as claimed in any one of claims 1 to 11, further comprising:
receiving a second configuration signaling, wherein the second configuration signaling is configured to configure the second BWP, and the second BWP comprises the first BWP.

13. The method as claimed in any one of claims 1 to 12, further comprising:
configuring priorities for the positioning-purpose reference signal and the communication information, respectively; and

determining, based on the priorities, the communication information or the positioning-purpose reference signal that is transmitted on an overlapping resource of the first BWP and the second BWP.

14. The method as claimed in claim 13, wherein the priorities of the positioning-purpose reference signal comprise a first priority and a second priority; in which the first priority is higher than the second priority; and

the priorities of the communication information comprise a third priority and a fourth

priority; in which the third priority is higher than the fourth priority~~2~~;

~~15. The method as claimed in claim 14,~~ wherein the first priority is higher than the fourth priority and lower than the third priority; and the second priority is lower than the fourth priority~~2~~;

or,

~~16. The method as claimed in claim 14,~~ wherein the fourth priority is higher than the first priority and the second priority, respectively.

~~17~~15. The method as claimed in claim 14, wherein configuring the priorities for the positioning-purpose reference signal and the communication information, respectively, comprises:

configuring the priorities for the positioning-purpose reference signal and the communication information respectively based on transmission delay requirements of the positioning-purpose reference signal and the communication information.

~~18~~16. The method as claimed in claim 1 or 2, wherein the second BWP and the first BWP do not overlap.

~~19~~17. The method as claimed in claim ~~18~~16, wherein a fifth BWP is configured as a unique active BWP of ~~a terminal~~the terminal;

the fifth BWP comprises the first BWP and the second BWP;

or, the fifth BWP comprises the first BWP, the second BWP, and an interval between the first BWP and the second BWP₂

wherein the first BWP is configured as a first active BWP of the terminal and the second BWP is configured as a second active BWP of the terminal; or, the first BWP is configured as the first active BWP of the terminal and a fifth BWP is configured as the second active BWP of the terminal; in which the fifth BWP comprises the first BWP and the second BWP, or, the fifth BWP comprises the first BWP, the second BWP, and an interval between the first BWP and the second BWP;

wherein the first BWP is configured as a unique active BWP of the terminal and the second BWP is configured as a positioning measurement BWP of the terminal.

~~20. The method as claimed in claim 18, wherein the first BWP is configured as a first active BWP of a terminal and the second BWP is configured as a second active BWP of the terminal;~~

~~or;~~

~~the first BWP is configured as the first active BWP of the terminal and a fifth BWP is configured as the second active BWP of the terminal; in which the fifth BWP comprises the first BWP and the second BWP, or, the fifth BWP comprises the first BWP, the second BWP, and an interval between the first BWP and the second BWP.~~

~~21. The method as claimed in claim 18, wherein the first BWP is configured as a unique active BWP of a terminal and the second BWP is configured as a positioning measurement BWP of the terminal.~~

~~22~~18. The method as claimed in any one of claims 1 to 17, wherein the positioning-purpose reference signal comprises:

a downlink positioning reference signal (PRS); or

a sounding reference signal (SRS) for a purpose of uplink positioning—₁

~~23. The method as claimed in claim 1 or 2, wherein the communication information comprises at least one of:~~

a synchronization signal block;

a reference signal for a purpose of uplink and downlink communication;

a control signaling transmitted on a control channel; or

service data transmitted on a data channel.

~~24. A wireless communication apparatus, comprising:~~

~~a first transmission module configured to transmit communication information on a first bandwidth part (BWP); and~~

~~a second transmission module configured to transmit a positioning-purpose reference signal on a second BWP while transmitting the communication information on the first BWP;~~

~~wherein, the communication information does not comprise the positioning-purpose reference signal.~~

~~25~~19. A terminal, comprising a processor, a transceiver, a memory, and an executable program stored on the memory and capable of being executed by the processor, wherein, the processor is configured to execute the executable program to perform the method as claimed in any one of claims 1 to ~~23~~18.

~~26~~20. A computer storage medium storing an executable program, wherein when the executable program is executed by a processor of a terminal, the method as claimed in any one of claims 1 to ~~23~~18 is performed.