CLAIMS

1. A method for determining a frequency domain resource, applied to a terminal, comprising:

monitoring at least two physical downlink control channel (PDCCH) candidate resources, wherein the at least two PDCCH candidate resources correspond to at least two search space sets having a link relationship, and the at least two PDCCH candidate resources carry downlink control information (DCI), the DCI comprises frequency domain resource assignment information, the frequency domain resource assignment information indicates a position of the frequency domain resource within a designated bandwidth, and the designated bandwidth comprises a resource block occupied by at least one control resource set; and

determining a frequency domain resource for a physical downlink shared channel (PDSCH) transmission according to the frequency domain resource assignment information;

wherein the at least one control resource set is determined according to at least two control resource sets respectively associated with the at least two search space sets,

wherein the at least one control resource set is a designated control resource set among the at least two control resource sets.

2. The method of claim 1, wherein the designated control resource set is one of:

a control resource set with a smallest control resource set identifier among the at least two control resource sets;

a control resource set corresponding to a designated search space set, wherein the designated search space set is a search space set with a smallest search space set identifier among the at least two search space sets;

a control resource set corresponding to a physical resource block occupying a lowest frequency domain position among designated physical resource blocks, wherein one designated physical resource block is a physical resource block with a lowest number among physical resource blocks comprised in one of the at least two control resource sets; or

the at least two control resource sets.

3. The method of claim 2, wherein in response to the designated control resource set being the at least two control resource sets, the designated bandwidth comprises:

a consecutive physical resource block starting from a first physical resource block and ending with a second physical resource block, wherein the first physical resource block is a physical resource block occupying a lowest frequency domain position among physical resource blocks comprised in the at least two control resource sets, and the second physical resource block is a physical resource block occupying a highest frequency domain position among the physical resource blocks comprised in the at least two control resource sets.

4. The method of claim 1, wherein the at least one control resource set is control resource set 0.

5. The method of any one of claims 1 to 4, wherein a format of the DCI is DCI 1_0.

6. A method for determining a frequency domain resource, applied to a network device, comprising:

configuring at least two physical downlink control channel (PDCCH) candidate resources, wherein the at least two PDCCH candidate resources correspond to at least two search space sets having a link relationship, and the at least two PDCCH candidate resources carry downlink control information (DCI), the DCI comprises frequency domain resource assignment information, the frequency domain resource assignment information indicates a position of the frequency domain resource within a designated bandwidth, and the designated bandwidth comprises a resource block occupied by at least one control resource set;

wherein the at least one control resource set is determined according to at least two control resource sets respectively associated with the at least two search space sets,

wherein the at least one control resource set is a designated control resource set among the at least two control resource sets.

7. The method of claim 6, wherein the designated control resource set is one of:

a control resource set with a smallest control resource set identifier among the at least two control resource sets;

a control resource set corresponding to a designated search space set, wherein the designated search space set is a search space set with a smallest search space set identifier among the at least two search space sets;

a control resource set corresponding to a physical resource block occupying a lowest frequency domain position among designated physical resource blocks, wherein one designated physical resource block is a physical resource block with a lowest number among physical resource blocks comprised in one of the at least two control resource sets; or

the at least two control resource sets.

8. The method of claim 7, wherein in response to the designated control resource set being the at least two control resource sets, the designated bandwidth comprises:

a consecutive physical resource block starting from a first physical resource block and ending with a second physical resource block, wherein the first physical resource block is a physical resource block occupying a lowest frequency domain position among physical resource blocks comprised in the at least two control resource sets, and the second physical resource block is a physical resource block occupying a highest frequency domain position among the physical resource blocks comprised in the at least two control resource sets.

9. The method of claim 6, wherein the at least one control resource set is control resource set 0.

10. The method of any one of claims 6 to 9, wherein a format of the DCI is DCI 1_0.

11. An apparatus for determining a frequency domain resource, comprising:

a monitoring unit configured to monitor at least two physical downlink control channel (PDCCH) candidate resources, wherein the at least two PDCCH candidate resources

correspond to at least two search space sets having a link relationship, and the at least two PDCCH candidate resources carry downlink control information (DCI), the DCI comprises frequency domain resource assignment information, the frequency domain resource assignment information indicates a position of the frequency domain resource within a designated bandwidth, and the designated bandwidth comprises a resource block occupied by at least one control resource set; and

a processing unit configured to determine a frequency domain resource for a physical downlink shared channel (PDSCH) transmission according to the frequency domain resource assignment information;

wherein the at least one control resource set is determined according to at least two control resource sets respectively associated with the at least two search space sets,

wherein the at least one control resource set is a designated control resource set among the at least two control resource sets.

12. An apparatus for determining a frequency domain resource, comprising:

a configuring unit configured to configure at least two physical downlink control channel (PDCCH) candidate resources, wherein the at least two PDCCH candidate resources correspond to at least two search space sets having a link relationship, and the at least two PDCCH candidate resources carry downlink control information (DCI), the DCI comprises frequency domain resource assignment information, the frequency domain resource assignment information indicates a position of the frequency domain resource within a designated bandwidth, and the designated bandwidth comprises a resource block occupied by at least one control resource set;

wherein the at least one control resource set is determined according to at least two control resource sets respectively associated with the at least two search space sets,

wherein the at least one control resource set is a designated control resource set among the at least two control resource sets.

13. A device for determining a frequency domain resource, comprising:

a processor; and

a memory for storing instructions executable by the processor;

wherein the processor is configured to perform the method of any one of claims 1 to 5.

14. A device for determining a frequency domain resource, comprising:

a processor; and

a memory for storing instructions executable by the processor;

wherein the processor is configured to perform the method of any one of claims 6 to 10.

15. A storage medium having instructions that, when executed by a processor of a terminal, enable the terminal to perform the method of any one of claims 1 to 5.

16. A storage medium having instructions that, when executed by a processor of a network device, enable the network device to perform the method of any one of claims 6 to 10.