CLAIMS

What is claimed is:

1. An interference processing method, applied to a terminal and comprising:

in a case that inter-modulation interference occurs between frequencies corresponding to different 3GPP radio access technologies RATs, sending auxiliary information of the inter-modulation interference to a network-side device, wherein the auxiliary information comprises identification information of a first frequency associated with the inter-modulation interference and interference information of the first frequency;

wherein in a case that the first frequency is a frequency corresponding to a first 3GPP RAT, the interference information of the first frequency comprises at least one of the following:

first indication information, used to indicate that the first frequency interferes with a second frequency corresponding to the first 3GPP RAT; and

second indication information, used to indicate that the first frequency is interfered with, by a second frequency corresponding to the first 3GPP RAT.

2. The method according to claim 1, wherein the interference information of the first frequency further comprises at least one of the following:

third indication information, used to indicate that the first frequency is a frequency associated with the inter-modulation interference; and

fourth indication information, used to indicate that the first frequency interferes with a third frequency corresponding to a second 3GPP RAT, and indicate that the first frequency is a frequency associated with the inter-modulation interference.

3. The method according to claim 2, wherein in a case that the interference information comprises at least one of the first indication information and the second indication information, the interference information further comprises identification information of the second frequency.

4. The method according to claim 1 or 3, wherein the identification information comprises at least one of the following:

frequency information of the frequency;

location information of a physical resource block corresponding to the frequency;

information about a bandwidth corresponding to the frequency;

information about a cell corresponding to the frequency;

information about a bandwidth part BWP corresponding to the frequency; and

a frequency channel number corresponding to the frequency.

5. The method according to claim 1, wherein after the sending auxiliary information of the inter-modulation interference to a network-side device, the method further comprises:

controlling at least two of the frequencies associated with the inter-modulation interference for transmission at different occasions.

6. The method according to claim 5, wherein the controlling at least two of the frequencies associated with the inter-modulation interference for transmission at different occasions comprises at least one of the following:

controlling the at least two of the frequencies associated with the inter-modulation interference for sending at different occasions; and

controlling the at least two of the frequencies associated with the inter-modulation interference for sending and receiving at different occasions.

7. The method according to claim 5, wherein the controlling at least two of the frequencies associated with the inter-modulation interference for transmission at different occasions comprises:

receiving first configuration information sent by the network-side device; and

in a case that the first configuration information is used to configure the terminal to control the at least two of the frequencies associated with the inter-modulation interference for transmission at different occasions, controlling

the at least two of the frequencies associated with the inter-modulation interference for transmission at different occasions.

8. The method according to claim 1, wherein before the sending, in a case that inter-modulation interference occurs between frequencies corresponding to different 3GPP radio access technologies RATs, auxiliary information of the inter-modulation interference to a network-side device, the method further comprises:

receiving second configuration information sent by the network-side device; and

the sending, in a case that inter-modulation interference occurs between frequencies corresponding to different 3GPP radio access technologies RATs, auxiliary information of the inter-modulation interference to a network-side device comprises:

if the second configuration information is used to configure allowing the terminal to send the auxiliary information of the inter-modulation interference, in a case that the inter-modulation interference occurs between the frequencies corresponding to the different 3GPP radio access technologies RATs, sending the auxiliary information of the inter-modulation interference to the network-side device.

9. An interference processing method, applied to a network-side device and comprising:

receiving, from a terminal, auxiliary information of inter-modulation interference occurred between frequencies corresponding to different 3GPP RATs, wherein the auxiliary information comprises identification information of a first frequency associated with the inter-modulation interference and interference information of the first frequency; and

performing, based on the auxiliary information, a processing operation on the frequencies associated with the inter-modulation interference;

wherein in a case that the first frequency is a frequency corresponding to a first 3GPP RAT, the interference information of the first frequency comprises at least one of the following:

first indication information, used to indicate that the first frequency interferes with a second frequency corresponding to the first 3GPP RAT; and

second indication information, used to indicate that the first frequency is interfered with, by a second frequency corresponding to the first 3GPP RAT.

10. The method according to claim 9, wherein the interference information of the first frequency further comprises at least one of the following:

third indication information, used to indicate that the first frequency is a frequency associated with the inter-modulation interference; and

fourth indication information, used to indicate that the first frequency interferes with a third frequency corresponding to a second 3GPP RAT, and indicate that the first frequency is a frequency associated with the inter-modulation interference.

11. The method according to claim 10, wherein in a case that the interference information comprises at least one of the first indication information and the second indication information, the interference information further comprises identification information of the second frequency.

12. The method according to claim 9 or 11, wherein the identification information comprises at least one of the following:

frequency information of the frequency;

location information of a physical resource block corresponding to the frequency;

information about a bandwidth corresponding to the frequency;

information about a cell corresponding to the frequency;

information about a bandwidth part BWP corresponding to the frequency; and

a frequency channel number corresponding to the frequency.

13. The method according to claim 9, wherein the performing, based on the auxiliary information, a processing operation on the frequencies associated with the inter-modulation interference comprises any one of the following:

in a case that the network-side device supports a first 3GPP RAT and the first frequency is a frequency corresponding to the first 3GPP RAT, removing at least one frequency, corresponding to the first 3GPP RAT, of the frequencies associated with the inter-modulation interference; and

sending first configuration information to the terminal, wherein the first configuration information is used to configure the terminal to control at least two of the frequencies associated with the inter-modulation interference for transmission at different occasions.

14. The method according to claim 13, wherein the first configuration information is specifically used to complete at least one of the following:

configuring the terminal to control the at least two of the frequencies associated with the inter-modulation interference for sending at different occasions; and

configuring the terminal to control at least two of the frequencies associated with the inter-modulation interference for sending and receiving at different occasions.

15. The method according to claim 9, wherein before the receiving, from a terminal, auxiliary information of inter-modulation interference occurred between frequencies corresponding to different 3GPP RATs, the method further comprises:

sending second configuration information to the terminal, wherein the second configuration information is used to configure allowing the terminal to send the auxiliary information of the inter-modulation interference.

16. A terminal, comprising:

a first sending module, configured to, in a case that inter-modulation interference occurs between frequencies corresponding to different 3GPP radio access technologies RATs, send auxiliary information of the inter-modulation

interference to a network-side device, wherein the auxiliary information comprises identification information of a first frequency associated with the inter-modulation interference and interference information of the first frequency;

wherein in a case that the first frequency is a frequency corresponding to a first 3GPP RAT, the interference information of the first frequency comprises at least one of the following:

first indication information, used to indicate that the first frequency interferes with a second frequency corresponding to the first 3GPP RAT; and

second indication information, used to indicate that the first frequency is interfered with, by a second frequency corresponding to the first 3GPP RAT.

17. A network-side device, comprising:

a second receiving module, configured to receive, from a terminal, auxiliary information of inter-modulation interference occurred between frequencies corresponding to different 3GPP RATs, wherein the auxiliary information comprises identification information of a first frequency associated with the inter-modulation interference and interference information of the first frequency; and

a processing module, configured to perform, based on the auxiliary information, a processing operation on the frequencies associated with the inter-modulation interference;

wherein in a case that the first frequency is a frequency corresponding to a first 3GPP RAT, the interference information of the first frequency comprises at least one of the following:

first indication information, used to indicate that the first frequency interferes with a second frequency corresponding to the first 3GPP RAT; and

second indication information, used to indicate that the first frequency is interfered with, by a second frequency corresponding to the first 3GPP RAT.

18. A terminal, comprising a processor, a memory, and a computer program stored in the memory and capable of running on the processor, wherein when the

computer program is executed by the processor, the steps of the interference processing method according to any one of claims 1 to 8 are implemented.

19. A network-side device, comprising a processor, a memory, and a computer program stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the steps of the interference processing method according to any one of claims 9 to 15 are implemented.

20. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, the steps of the interference processing method according to any one of claims 1 to 8 or the steps of the interference processing method according to any one of claims 9 to 15 are implemented.