device, an artificial intelligence device, and the like; and

[00182] (6) others.

[00183] The case where the communication apparatus may be a chip or a chip system is described with reference to the schematic structure of the chip shown in FIG. 8. The chip shown in FIG. 8 includes a processor 801 and an interface 803. There may be one or more processors 801, and there may be multiple interfaces 803.

[00184] In cases where the chip is used to implement the function of the remote terminal device in the embodiment of the disclosure:

[00185] the interface 803 is used to perform step 32 of FIG. 3.

[00186] In cases where the chip is used to implement the function of the network device in the embodiment of the disclosure:

[00187] the interface 803 is used to perform step 51 of FIG. 5.

[00188] Alternatively, the chip further includes a memory 803 used to store necessary computer programs and data.

[00189] It is understood by those skilled in the art that various illustrative logical blocks and steps listed in the embodiments of the disclosure may be implemented by electronic hardware, computer software, or a combination of both. Whether such function is implemented by hardware or software depends on the particular application and the design requirements of the entire system. Those skilled in the art may, for each particular application, use various methods to implement the described function, but such implementation should not be understood as beyond the scope of protection of the embodiments of the disclosure.

[00190] The embodiments of the disclosure also provide a communication system. The communication system includes a communication apparatus acting as a terminal device and a communication apparatus acting as a network device in the preceding embodiment of FIG. 8, or

Claims

1. A radio resource management (RRM) measurement method, comprising:

determining a first RRM measurement parameter corresponding to a number of receiving antennas in a terminal device based on a mapping relationship between a number of antennas and an RRM measurement parameter; and

performing an RRM measurement based on the first RRM measurement parameter.

2. The method of claim 1, further comprising:

determining the mapping relationship between the number of antennas and the RRM measurement parameter based on one of a protocol or a received indication message.

3. The method of claim 1, wherein determining the first RRM measurement parameter corresponding to the number of receiving antennas in the terminal device comprises:

determining that an RRM low mobility criterion measurement parameter is a first threshold in response to the number of receiving antennas in the terminal device being a first number; or

determining that the RRM low mobility criterion measurement parameter is a second threshold in response to the number of receiving antennas in the terminal device being a second number;

wherein, the first number is different from the second number, and the first threshold is different from or same as the second threshold.

4. The method of claim 3, wherein,

the first threshold and the second threshold are one of:

measurement duration thresholds;

signal strength difference thresholds; or

a measurement duration threshold and a signal strength difference threshold.

5. The method of claim 1, wherein determining the first RRM measurement parameter corresponding to the number of receiving antennas in the terminal device comprises:

determining that an RRM stationary criterion measurement parameter is a third threshold in response to the number of receiving antennas in the terminal device being a first number; or

determining that the RRM stationary criterion measurement parameter is a fourth threshold in response to the number of receiving antennas in the terminal device being a second number;

wherein, the first number is different from the second number, and the third threshold is different from or same as the fourth threshold.

6. The method of claim 5, wherein,

the third threshold and the fourth threshold are one of:

measurement duration thresholds;

signal strength difference thresholds; or

a measurement duration threshold and a signal strength difference threshold.

7. The method of claim 1, wherein determining the first RRM measurement parameter corresponding to the number of receiving antennas in the terminal device comprises:

determining that an RRM non-cell edge criterion measurement parameter is a fifth threshold in response to the number of receiving antennas in the terminal device being a first number; or

determining that the RRM non-cell edge criterion measurement parameter is a sixth threshold in response to the number of receiving antennas in the terminal device being a second number;

wherein, the first number is different from the second number, and the fifth threshold is different from or same as the sixth threshold.

8. The method of claim 7, wherein,

the fifth threshold and the sixth threshold are one of:

signal strength thresholds;

signal quality thresholds; or

a signal strength threshold and a signal quality threshold.

9. The method of any of claims 1-8, wherein performing the RRM measurement based on the first RRM measurement parameter comprises:

performing the RRM measurement based on the first RRM measurement parameter, wherein the terminal device is in one of a radio resource control (RRC) idle state or an RRC inactive state.

10. A radio resource management (RRM) measurement method, comprising:

sending indication information, wherein the indication information is configured to indicate a mapping relationship between a number of antennas and an RRM measurement parameter.

11. The method of claim 10, wherein the indication information comprises at least one of:

a mapping relationship between the number of antennas and an RRM low mobility criterion measurement parameter;

a mapping relationship between the number of antennas and an RRM stationary criterion measurement parameter; or

a mapping relationship between the number of antennas and an RRM non-cell edge criterion measurement parameter.

12. The method of claim 11, wherein the mapping relationship between the number of antennas and the RRM low mobility criterion measurement parameter comprises:

a first threshold corresponding to a first number of antennas, and a second threshold

corresponding to a second number of antennas;

wherein, the first number is different from the second number, and the first threshold is different from or same as the second threshold.

13. The method of claim 12, wherein,

the first threshold and the second threshold are one of:

measurement duration thresholds;

signal strength difference thresholds; or

a measurement duration threshold and a signal strength difference threshold.

14. The method of claim 11, wherein the mapping relationship between the number of antennas and the RRM stationary criterion measurement parameter comprises:

a third threshold corresponding to a first number of antennas, and a fourth threshold corresponding to a second number of antennas;

wherein, the first number is different from the second number, and the third threshold is different from or same as the fourth threshold.

15. The method of claim 14, wherein,

the third threshold and the fourth threshold are one of:

measurement duration thresholds;

signal strength difference thresholds; or

a measurement duration threshold and a signal strength difference threshold.

16. The method of any of claims 11-15, wherein the mapping relationship between the number of antennas and the RRM non-cell edge criterion measurement parameter comprises:

a fifth threshold corresponding to a first number of antennas, and a sixth threshold

corresponding to a second number of antennas;

wherein, the first number is different from the second number, and the fifth threshold is different from or same as the sixth threshold.

17. The method of claim 16, wherein,

the fifth threshold and the sixth threshold are one of:

signal strength thresholds;

signal quality thresholds; or

a signal strength threshold and a signal quality threshold.

18. A communication apparatus, comprising: a processor and a memory, wherein, a computer program is stored in the memory, and the processor executes the computer program stored in the memory, to cause the apparatus to perform the method of any of claims 1 to 9.

19. A communication apparatus, comprising: a processor and a memory, wherein, a computer program is stored in the memory, and the processor executes the computer program stored in the memory, to cause the apparatus to perform the method of any of claims 10 to 17.

20. A computer-readable storage medium for storing instructions, wherein, when the instructions are executed, the method of any of claims 1 to 17 is implemented.