

WHAT IS CLAIMED IS:

1. A method for radio resource management RRM measurement, characterized in comprising:

selecting, by a terminal device, a measurement mode of the RRM measurement from among a plurality of measurement modes comprising following multiple measurement modes:

performing the RRM measurement only on a serving cell of the terminal device;

performing intra-frequency measurement based on first information configured for measurement;

performing inter-frequency measurement or inter-Radio Access Technologies (inter-RAT) measurement based on the first information configured for measurement; and

performing inter-frequency measurement or inter-RAT measurement based on the second information configured for measurement,

characterized in that the plurality of measurement modes comprises:

not performing the RRM measurement; and

performing intra-frequency measurement based on second information configured for measurement..

2. The method according to claim 1, wherein the selecting, by the terminal device, the measurement mode of the RRM measurement from among the plurality of measurement modes comprises:

selecting, by the terminal device, the measurement mode according to a measurement of at least one measurement parameter used for the RRM measurement, and a threshold corresponding to each of the at least one measurement parameter.

3. The method according to claim 2, wherein the at least one measurement parameter comprises at least one of following measurement parameters:

reference signal receiving power RSRP, reference signal receiving quality RSRQ, reference signal-signal to interference plus noise ratio RS-SINR, moving speed of the terminal device, temporal change rate of RSRP, temporal change rate of RSRQ, temporal change rate of RS-SINR, and a measured number of cells.

4. The method according to claim 2 or 3, wherein the terminal device is in an RRC idle state, and the RRM measurement comprises intra-frequency measurement,

the selecting, by the terminal device, the measurement mode according to the measurement of the at least one measurement parameter used for the RRM measurement and the threshold corresponding to each of the at least one measurement parameter comprises:

selecting, by the terminal device, not to perform the intra-frequency measurement if a measurement of a part or all of the at least one measurement parameter is greater than its corresponding first threshold;

selecting, by the terminal device, to perform the intra-frequency measurement based on the first information configured for measurement if a measurement of a part or all of the at least one measurement parameter is greater than its corresponding second threshold and a measurement of a part or all of the at least one measurement parameter is less than its corresponding first threshold; and

selecting, by the terminal device, to perform the intra-frequency measurement based on the second information configured for measurement if a measurement of a part or all of the at least one measurement parameter is less than the corresponding second threshold.

5. The method according to claim 2 or 3, wherein the terminal device is in an RRC idle state, the RRM measurement comprises inter-frequency measurement or inter-RAT measurement, and a priority of frequency of the inter-frequency measurement or the inter-RAT measurement is lower than or equal to a priority of a currently used frequency,

the selecting, by the terminal device, the measurement mode according to the measurement of the at least one measurement parameter used for the RRM measurement and the threshold corresponding to each of the at least one measurement parameter comprises:

selecting, by the terminal device, not to perform the inter-frequency measurement or inter-RAT measurement if a measurement of a part or all of the at least one measurement parameter is greater than its corresponding first threshold;

selecting, by the terminal device, to perform the inter-frequency measurement or inter-RAT measurement based on the first information configured for measurement if a measurement of a part or all of the at least one measurement parameter is greater than its corresponding second threshold and a measurement of a part or all of the at least one measurement parameter is less than its corresponding first threshold; and

selecting, by the terminal device, to perform the inter-frequency measurement or inter-

RAT measurement based on the second information configured for measurement if a measurement of a part or all of the at least one measurement parameter is less than the corresponding second threshold.

6. The method according to any one of claims 2 to 5, further comprising:

acquiring, by the terminal device, the threshold corresponding to each of the at least one measurement parameter stored in the terminal device; or,

receiving, by the terminal device, first indication information, wherein the first indication information is used for indicating the threshold corresponding to each of the at least one measurement parameter.

7. The method according to claim 6, wherein the first indication information is carried in radio resource control RRC signaling, media access control MAC signaling, or a broadcast message.

8. The method according to claim 1, further comprising:

receiving, by the terminal device, second indication information, wherein the second indication information is used for indicating the measurement mode of the RRM measurement among the multiple measurement modes;

wherein the selecting, by the terminal device, the measurement mode of the RRM measurement from among the plurality of measurement modes comprises:

selecting, by the terminal device, the measurement mode of the RRM measurement according to the second indication information.

9. The method according to claim 8, wherein the second indication information is carried in a physical downlink control channel PDCCH, radio resource control RRC signaling, medium access control MAC signaling, or a broadcast message.

10. The method according to any one of claims 1 to 9, further comprising:

acquiring, by the terminal device, the first information configured for measurement and/or the second information configured for measurement stored in the terminal device; or,

receiving, by the terminal device, third indication information, wherein the third indication information is used for indicating the first information configured for measurement and/or the second information configured for measurement.

11. A method for radio resource management RRM measurement, comprising:

sending, by a network device, first indication information, wherein the first indication information is used for indicating a threshold corresponding to each of at least one measurement parameter used by the RRM measurement, and the threshold corresponding to each of the at least one measurement parameter is used by a terminal device for selecting a measurement mode of the RRM measurement from among a plurality of measurement modes comprising following multiple measurement modes:

- performing the RRM measurement only on a serving cell of the terminal device;
- performing intra-frequency measurement based on first information configured for measurement;
- performing inter-frequency measurement or inter-RAT measurement based on the first information configured for measurement; and
- performing inter-frequency measurement or inter-RAT measurement based on the second information configured for measurement,

characterized in that the plurality of measurement modes comprises:

- not performing the RRM measurement; and
- performing intra-frequency measurement based on second information configured for measurement.

12. The method according to claim 11, wherein the first indication information is carried in RRC signaling, MAC signaling, or a broadcast message.

13. The method according to claim 11 or 12, further comprising:

sending, by the network device, third indication information, wherein the third indication information is used for indicating the first information configured for measurement and/or the second information configured for measurement.

14. A terminal device, characterized in comprising a processor and a memory, wherein the memory is configured to store a computer program, and the processor is configured to call and run the computer program stored in the memory, thereby implementing the method according to any one of claims 1 to 10.

15. A network device, characterized in comprising a processor and a memory, wherein the memory is configured to store a computer program, and the processor is configured to call and run the computer program stored in the memory, thereby implementing the method according

to any one of claims 11 to 13.