CLAIMS

1. A method for reporting a measurement report, performed by a first terminal, and comprising:

receiving a radio resource control (RRC) message of a base station;

determining a first threshold value and a second threshold value according to the RRC message; and

determining to send the measurement report to the base station according to the first threshold value and a sidelink reference signal receiving power (SL-RSRP), or according to the second threshold value and a sidelink discovery reference signal receiving power (SD-RSRP),

wherein the determining to send the measurement report to the base station comprises:

determining that an entry condition is satisfied to send the measurement report to the base station, in case that the SL-RSRP plus a first offset value is less than the first threshold value or the SD-RSRP plus a second offset value is less than the second threshold value.

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

determining that a departure condition is satisfied, in case that the SL-RSRP minus a first offset value is greater than the first threshold value or the SD-RSRP minus a second offset value is greater than the second threshold value.

3. The method according to claim 1 or 2, further comprising:

determining at least one of a first offset value and a second offset value according to the RRC message.

4. The method according to claim 1 or 2, further comprising:

receiving a sidelink radio resource control (RRC) message sent by a second terminal; and

determining at least one of a first offset value and a second offset value according to the sidelink RRC message.

5. The method according to claim 1 or 2, further comprising:

determining that the second threshold value is equal to the first threshold value, and/or that a second offset value is equal to a first offset value.

6. The method according to claim 1, wherein the determining that the entry condition is satisfied to send the measurement report to the base station comprises:

determining that a duration of the entry condition being satisfied exceeds a first time threshold, recording a cell where the entry condition is satisfied, and determining to send the measurement report to the base station.

7. The method according to claim 1 or 6, wherein the measurement report comprises a cell or the first terminal where the entry condition is satisfied.

8. The method according to any one of claims 1 to 6, wherein the measurement report carries the SD-RSRP, the SL-RSRP and a first channel measurement result of the first terminal and a cell.

9. The method according to claim 2, further comprising:

determining that a duration of the departure condition being satisfied exceeds a second time threshold, and in case that a recorded cell or the first terminal where an entry condition is satisfied exists, deleting the recorded cell or the first terminal where the entry condition is satisfied.

10. A method for reporting a measurement report, performed by a second terminal, and comprising:

sending a sidelink radio resource control (RRC) message to a first terminal,

wherein the sidelink RRC message is configured for the first terminal to determine at least one of a first offset value and a second offset value,

a first threshold value and a sidelink reference signal receiving power (SL-RSRP) are configured for the first terminal to determine to send the measurement report to a base station, or a second threshold value and a sidelink discovery reference signal receiving power (SD-RSRP) are configured for the first terminal to determine to send the measurement report to the base station, and

it is determined that an entry condition is satisfied and the first terminal sends the measurement report to the base station, in case that the SL-RSRP plus the first offset value is less than the first threshold value or the SD-RSRP plus the second offset value is less than the second threshold value.

11. The method according to claim 10, further comprising:

determining the second offset value according to a difference value between the SD-RSRP and the SL-RSRP.

12. A method for reporting a measurement report, performed by a base station, and comprising:

sending a radio resource control (RRC) message to a first terminal,

wherein the RRC message is configured for the first terminal to determine a first threshold value and a second threshold value,

the first threshold value and a sidelink reference signal receiving power (SL-RSRP) are configured for the first terminal to determine to send the measurement report to the base station, or the second threshold value and a sidelink discovery reference signal receiving power (SD-RSRP) are configured for the first terminal to determine to send the measurement report to the base station, and

it is determined that an entry condition is satisfied and the first terminal sends the measurement report to the base station, in case that the SL-RSRP plus a first offset value is less than the first threshold value or the SD-RSRP plus a second offset value is less than the second threshold value.

13. The method according to claim 12, wherein the RRC message is configured for the first terminal to determine at least one of the first offset value and the second offset value.

14. A device for reporting a measurement report, comprising:

a transceiving module configured to receive a radio resource control (RRC) message of a base station; and

a processing module configured to determine a first threshold value and a second threshold value according to the RRC message,

wherein the processing module is further configured to determine to send the measurement report to the base station according to the first threshold value and a sidelink reference signal receiving power (SL-RSRP), or according to the second threshold value and a sidelink discovery reference signal receiving power (SD-RSRP), and

the processing module is further configured to determine that an entry condition is satisfied to send the measurement report to the base station, in case that the SL-RSRP plus a first offset value is less than the first threshold value or the SD-RSRP plus a second offset value is less than the second threshold value.

15. A device for reporting a measurement report, comprising:

a transceiving module configured to send a sidelink radio resource control (RRC) message to a first terminal,

wherein the sidelink RRC message is configured for the first terminal to determine at least one of a first offset value and a second offset value,

a first threshold value and a sidelink reference signal receiving power (SL-RSRP) are configured for the first terminal to determine to send the measurement report to a base station, or a second threshold value and a sidelink discovery reference signal receiving power (SD-RSRP) are configured for the first terminal to determine to send the measurement report to the base station, and

the first terminal is configured to determine that an entry condition is satisfied and send the measurement report to the base station, in case that the SL-RSRP plus the first offset value is less than the first threshold value or the SD-RSRP plus the second offset value is less than the second threshold value.

16. A device for reporting a measurement report, comprising:

a transceiving module configured to send a radio resource control (RRC) message to a first terminal,

wherein the RRC message is configured for the first terminal to determine a first threshold value and a second threshold value,

the first threshold value and a sidelink reference signal receiving power (SL-RSRP) are configured for the first terminal to determine to send the measurement report to the base station, or the second threshold value and a sidelink discovery reference signal receiving power (SD-RSRP) are configured for the first terminal to determine to send the measurement report to the base station, and

the first terminal is configured to determine that an entry condition is satisfied and send the measurement report to the base station, in case that the SL-RSRP plus a first offset value is less than the first threshold value or the SD-RSRP plus a second offset value is less than the second threshold value.

17. A communication device, comprising a processor and a memory, wherein a computer program is

stored in the memory, and the processor is configured to execute the computer program stored in the memory, to cause the communication device to execute the method according to any one of claims 1 to 9; or, the processor is configured to execute the computer program stored in the memory, to cause the communication device to execute the method according to claim 10 or 11; or, the processor is configured to execute the computer program stored in the memory, to cause the communication device to execute the method according to claim 12 or 13.

18. A communication device, comprising: a processor and an interface circuit,

wherein the interface circuit is configured to receive code instructions and transmitting the code instructions to the processor,

the processor is confiugred to execute the code instructions to execute the method according to any one of claims 1 to 9, or to execute the code instructions to execute the method according to claim 10 or 11, or to execute the code instructions to execute the method according to claim 12 or 13.

19. A computer-readable storage medium for storing instructions which, when executed, cause the method according to any one of claims 1 to 9 to be realized, or cause the method according to claim 10 or 11 to be realized, or cause the method according to claim 12 or 13 to be realized.