

CLAIMS

1. A signal reporting method, comprising:

measuring, by a terminal device, N first signals to obtain a corresponding
5 measurement result, and measuring M second signals to obtain a corresponding
measurement result, wherein $N \geq 1$ and $M \geq 1$; and

determining, by the terminal device based on the measurement result of the N
first signals and the measurement result of the M second signals, signals that need to
be reported.

10 2. The method according to claim 1, wherein the method further comprises:

receiving, by the terminal device, first configuration information sent by a
network device, wherein the first configuration information is used to configure the
terminal device to measure the first signals and the second signals.

3. The method according to claim 1 or 2, wherein the determining, by the
15 terminal device based on the measurement result of the N first signals and the
measurement result of the M second signals, signals that need to be reported
comprises:

determining, by the terminal device, K_1 first signals in the N first signals based
on the measurement result of the N first signals, and determining K_2 second signals
20 in the M second signals based on the measurement result of the M second signals,
wherein the signals that need to be reported comprise the K_1 first signals and the K_2
second signals.

4. The method according to claim 3, wherein the method further comprises:

receiving, by the terminal device, second configuration information sent by the
25 network device, wherein the second configuration information is used to configure
the terminal device to determine the K_1 first signals in the N first signals based on the
measurement result of the N first signals, and determine the K_2 second signals in the
M second signals based on the measurement result of the M second signals, wherein
 $K_1 \leq N$ and $K_2 \leq M$.

5. The method according to claim 1 or 2, wherein the determining, by the terminal device based on the measurement result of the N first signals and the measurement result of the M second signals, signals that need to be reported comprises:

5 determining, by the terminal device, K signals in the N first signals and the M second signals based on the measurement result of the N first signals and the measurement result of the M second signals, wherein $1 \leq K \leq N+M$, and the signals that need to be reported comprise the K second signals.

6. The method according to claim 1 or 2, wherein the method further comprises:

10 performing, by the terminal device, joint processing on the measurement result of the at least one first signal and the measurement result of the at least one second signal to obtain a processed measurement result, wherein the processed measurement result is a measurement result corresponding to the first signal and the second signal.

7. The method according to claim 6, wherein the first signal and the second
15 signal have a quasi-co-location QCL or a spatial quasi-co-location.

8. The method according to claim 6, wherein the determining, by the terminal device based on the measurement result of the N first signals and the measurement result of the M second signals, signals that need to be reported comprises:

20 determining, by the terminal device based on the processed measurement result, the signals that need to be reported.

9. The method according to any one of claims 1 to 8, wherein the measurement result is reference signal received power RSRP.

10. The method according to any one of claims 1 to 9, wherein the first signals are channel state information-reference signals CSI-RSs, and the second signals are
25 some or all signals in a synchronization signal block SS Block.

11. A terminal device, comprising:

a measurement module, configured to: measure N first signals to obtain a corresponding measurement result, and measure M second signals to obtain a corresponding measurement result, wherein $N \geq 1$ and $M \geq 1$; and

a determining module, configured to determine, based on the measurement result of the N first signals and the measurement result of the M second signals, signals that need to be reported.

12. The terminal device according to claim 11, wherein the terminal device
5 further comprises:

a first receiving module, configured to receive first configuration information sent by a network device, wherein the first configuration information is used to configure the terminal device to measure the first signals and the second signals.

13. The terminal device according to claim 11 or 12, wherein the determining
10 module is specifically configured to:

determine K_1 first signals in the N first signals based on the measurement result of the N first signals, and determine K_2 second signals in the M second signals based on the measurement result of the M second signals, wherein the signals that need to be reported comprise the K_1 first signals and the K_2 second signals.

14. The terminal device according to claim 13, wherein the terminal device
15 further comprises:

a second receiving module, configured to receive second configuration information sent by the network device, wherein the second configuration information is used to configure the terminal device to determine the K_1 first signals
20 in the N first signals based on the measurement result of the N first signals, and determine the K_2 second signals in the M second signals based on the measurement result of the M second signals, wherein $K_1 \leq N$ and $K_2 \leq M$.

15. The terminal device according to claim 11 or 12, wherein the determining module is specifically configured to:

25 determine K signals in the N first signals and the M second signals based on the measurement result of the N first signals and the measurement result of the M second signals, wherein $1 \leq K \leq N+M$, and the signals that need to be reported comprise the K second signals.

16. The terminal device according to claim 11 or 12, wherein the terminal
30 device further comprises:

a processing module, configured to perform joint processing on the measurement result of the at least one first signal and the measurement result of the at least one second signal to obtain a processed measurement result, wherein the processed measurement result is a measurement result corresponding to the first
5 signal and the second signal.

17. The terminal device according to claim 16, wherein the first signal and the second signal have a quasi-co-location QCL or a spatial quasi-co-location.

18. The terminal device according to any one of claims 16 to 17, wherein the determining module is specifically configured to:

10 determine, based on the processed measurement result, the signals that need to be reported.

19. The terminal device according to any one of claims 11 to 18, wherein the measurement result is reference signal received power RSRP.

20. The terminal device according to any one of claims 11 to 19, wherein the
15 first signals are channel state information-reference signals CSI-RSs, and the second signals are some or all signals in a synchronization signal block SS Block.