

Claims:

1. A wireless communication method, comprising:

receiving, by a terminal device, an activation signaling sent by a network device, wherein the activation signaling is used for activating the terminal device to persistently report first
5 channel state information (CSI);

reporting, by the terminal device, persistently the first CSI to the network device by adopting a same quantity of orthogonal frequency division multiplexing symbols after receiving the activation signaling until the terminal device receives a deactivation signaling sent by the network device, wherein the deactivation signaling is used for instructing the terminal device to
10 stop reporting the first CSI;

wherein the method further comprises:

determining, by the terminal device, an assumption of a CSI-RS transmission beam on the resource for performing the CSI measurement according to content included in the first CSI, and performing persistent CSI measurement according to the assumption of a CSI-RS
15 transmission beam on the resource for performing the CSI measurement to obtain the first CSI;

wherein the first CSI comprises at least one of:

a channel state information reference signal resource indicator (CRI), a rank indicator (RI), a pre-coding matrix indicator (PMI), channel quality information (CQI), a quantized value of channel information, and a quantized value of interference.

2. The method according to claim 1, wherein the reporting, by the terminal device, persistently the first CSI to the network device, comprises:

reporting, by the terminal device, persistently the first CSI to the network device through a physical uplink shared channel (PUSCH) or a physical uplink control channel (PUCCH).

3. The method according to claim 1 or claim 2, wherein the activation signaling comprises
25 first information for indicating content included in the first CSI;

the reporting, by the terminal device, persistently the first CSI to the network device, comprises:

reporting, by the terminal device, persistently the first CSI to the network device according to the first information.

4. The method according to claim 1 or claim 2, wherein the activation signaling comprises
30 second information, and the second information is used for indicating a second time domain

resource when the first CSI is reported for a first time;

the reporting, by the terminal device, persistently the first CSI to the network device, comprises:

5 determining, by the terminal device, a second time domain resource for reporting the first CSI for the first time according to the second information, and reporting the first CSI to the network device for the first time on the second time domain resource.

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

10 determining, by the terminal device, time domain resources for subsequent persistent reporting of the first CSI according to the second time domain resource for reporting the first CSI for the first time and a period obtained in advance for reporting persistently the first CSI.

6. The method according to claim 1 or claim 2, wherein the activation signaling comprises third information for indicating a resource for reporting the first CSI;

the reporting, by the terminal device, persistently the first CSI to the network device, comprises:

15 reporting, by the terminal device, persistently the first CSI to the network device on the resource indicated by the third information.

7. The method according to claim 1 or claim 2, wherein the reporting, by the terminal device, persistently the first CSI to the network device, comprises:

20 reporting, by the terminal device, persistently the first CSI to the network device on persistent time domain resource units for uplink transmission; or

reporting, by the terminal device, the first CSI to the network device periodically with a certain period.

8. The method according to claim 1 or claim 2, wherein the reporting, by the terminal device, persistently the first CSI to the network device, comprises:

25 determining, by the terminal device, the first CSI reported each time according to a dependency relationship among CSI measurement, and reporting the first CSI.

9. The method according to claim 1 or claim 2, wherein the activation signaling and deactivation signaling are a DCI signaling or a media access control (MAC) signaling.

30 10. A terminal device, comprising a transceiving unit and a processing unit; wherein, the transceiving unit is used for receiving an activation signaling sent by a network device,

wherein the activation signaling is used for activating the terminal device to persistently report first channel state information (CSI);

the processing unit is used for obtaining the first CSI after receiving the activation signaling;

5 the transceiving unit is further used for persistently reporting the first CSI to the network device by adopting a same quantity of orthogonal frequency division multiplexing symbols until receiving a deactivation signaling sent by the network device, wherein the deactivation signaling is used for instructing the terminal device to stop reporting the first CSI;

wherein the transceiving unit is further used for:

10 determining an assumption of a CSI-RS transmission beam on the resource for performing the CSI measurement according to content included in the first CSI, and performing persistent CSI measurement according to the assumption of a CSI-RS transmission beam on the resource for performing the CSI measurement to obtain the first CSI;

wherein the first CSI comprises at least one of:

15 a channel state information reference signal resource indicator (CRI), a rank indicator (RI), a pre-coding matrix indicator (PMI), channel quality information (CQI), a quantized value of channel information, and a quantized value of interference.

11. The terminal device according to claim 10, wherein the transceiving unit is further used for:

20 persistently reporting the first CSI to the network device through a physical uplink shared channel (PUSCH) or a physical uplink control channel (PUCCH).

12. The terminal device according to claim 10 or claim 11, wherein the activation signaling comprises first information for indicating content included in the first CSI;

the transceiving unit is further used for:

25 reporting persistently the first CSI to the network device according to the first information.

13. The terminal device according to claim 10 or claim 11, wherein the activation signaling comprises second information, and the second information is used for indicating a second time domain resource when the first CSI is reported for a first time;

the processing unit is further used for:

30 determining a second time domain resource for reporting the first CSI for the first time according to the second information;

the transceiving unit is further used for:

reporting the first CSI to the network device for the first time on the second time domain resource.

14. The terminal device according to claim 13, wherein the transceiving unit is further
5 used for determining time domain resources for subsequent persistent reporting of the first CSI according to the second time domain resource for reporting the first CSI for the first time and a period obtained in advance for reporting persistently the first CSI.

15. The terminal device according to claim 10 or claim 11, wherein the activation signaling comprises third information for indicating a resource for reporting the first CSI;

10 the transceiving unit is further used for:

reporting persistently the first CSI to the network device on the resource indicated by the third information.

16. The terminal device according to claim 10 or claim 11, wherein the transceiving unit is further used for:

15 reporting persistently the first CSI to the network device on persistent time domain resource units for uplink transmission; or

reporting the first CSI to the network device periodically with a certain period.

17. The terminal device according to claim 10 or claim 11, wherein the processing unit is further used for:

20 determining the first CSI reported each time according to a dependency relationship among CSI measurement.

18. The terminal device according to claim 10 or claim 11, wherein the activation signaling and deactivation signaling are a DCI signaling or a media access control (MAC) signaling.

25