

What is claimed is:

1. A measurement method, applied to a user equipment (UE) and comprising:
 - determining measurement requirements, according to information related to a receiving time of a Channel State Information-Reference Signal (CSI-RS);
 - wherein the information related to a receiving time of the CSI-RS is the timing offset between CSI-RS and serving cell timing, or the information related to a receiving time of the CSI-RS comprises the timing offset between CSI-RS and serving cell timing;
 - wherein the measurement requirements comprise accuracy requirements, or the measurement requirements are accuracy requirements.
2. The method according to claim 1, further comprising at least one of:
 - reporting first information, wherein the first information is information related to the receiving time of the CSI-RS;
 - reporting second information, wherein the second information is information related to the FFT;
 - reporting third information, wherein the third information is information related to the measurement of the SSB and the CSI-RS; and
 - reporting fourth information, wherein the fourth information is information related to the minimum interval of the CSI-RS.
3. The method according to claim 1 or 2,
 - the timing offset between CSI-RS and serving cell timing is smaller than or equal to a first threshold; and/or
 - a maximum value of the timing offset between CSI-RS and serving cell timing is smaller than or equal to a second threshold;
 - or
 - the information related to the receiving time of the CSI-RS further comprises at least one of:
 - whether the UE supports a reception or a measurement of a second cell CSI-RS performed based on a timing of a first cell;
 - whether the UE supports a reception or a measurement of the CSI-RS performed based on

a timing of a third cell;

whether the UE supports a reception or a measurement of the CSI-RS performed based on a timing of an associated SSB; and

whether the UE supports a reception or a measurement of a CSI-RS of a first frequency point or a first carrier performed based on a single timing.

4. The method according to claim 1 or 2, wherein the information related to the FFT comprises at least one of:

whether the UE supports 2 FFTs or more than 2 FFTs;

a quantity of FFTs supported by the UE.

5. The method according to claim 1 or 2, wherein the information related to the measurement of the SSB and the CSI-RS comprises at least one of:

whether the UE supports simultaneously measuring the SSB and the CSI-RS;

whether the UE supports independent processing modules to respectively measure the SSB and the CSI-RS;

whether the UE supports a dedicated processing module to measure the CSI-RS.

6. The method according to claim 1 or 2, wherein the information related to the minimum interval of the CSI-RS comprises at least one of:

a quantity of symbols spaced between CSI-RS resources of two consecutive slots;

a quantity of slots spaced between two consecutive slots in which the CSI-RS is transmitted.

7. The method according to claim 1, wherein the information related to a receiving time of the CSI-RS is the timing offset between CSI-RS and serving cell timing, or the information related to a receiving time of the CSI-RS comprises the timing offset between CSI-RS and serving cell timing, wherein the method further comprises at least one of:

applying first measurement requirements, when the timing offset between CSI-RS and serving cell timing is smaller than or equal to a first threshold;

applying second measurement requirements, when the timing offset between CSI-RS and serving cell timing is larger than or equal to a first threshold;

applying first measurement requirements, when the maximum value of the timing offset between CSI-RS and serving cell timing is smaller than or equal to a second threshold;

applying second measurement requirements, when the maximum value of the timing offset

between CSI-RS and serving cell timing is larger than a second threshold;

applying first measurement requirements, when the UE supports the reception or the measurement of the second cell CSI-RS performed based on the timing of the first cell;

applying second measurement requirements, when the UE does not support the reception or the measurement of the second cell CSI-RS performed based on the timing of the first cell;

applying first measurement requirements, when the UE supports the reception or the measurement of the CSI-RS performed based on the timing of the third cell;

applying second measurement requirements, when the UE does not support the reception or the measurement of the CSI-RS performed based on the timing of the third cell;

applying first measurement requirements, when the UE supports the reception or the measurement of the CSI-RS performed based on the timing of the associated SSB;

applying second measurement requirements, when the UE does not support the reception or the measurement of the CSI-RS performed based on the timing of the associated SSB;

applying first measurement requirements, when the UE supports the reception or the measurement of the CSI-RS of the first frequency point or the first carrier performed based on the single timing; and

applying second measurement requirements, when the UE does not support the reception or the measurement of the CSI-RS of the first frequency point or the first carrier performed based on the single timing.

8. The method according to claim 4, further comprising at least one of:

applying first measurement requirements, when the UE supports 2 FFTs or more than 2 FFTs;

applying second measurement requirements, when the UE does not support 2 FFTs or more than 2 FFTs;

applying first measurement requirements, when a quantity of FFTs supported by the UE is greater than or equal to 2; and

applying second measurement requirements, when a quantity of FFTs supported by the UE is less than 2.

9. The method according to claim 5, further comprising at least one of:

applying first measurement requirements, when the UE supports simultaneously measuring

the SSB and the CSI-RS;

applying second measurement requirements, when the UE does not support simultaneously measuring the SSB and the CSI-RS;

applying first measurement requirements, when the UE supports independent processing modules to respectively measure the SSB and the CSI-RS;

applying second measurement requirements, when the UE does not support independent processing modules to respectively measure the SSB and the CSI-RS;

applying first measurement requirements, when the UE supports the dedicated processing module to measure the CSI-RS; and

applying second measurement requirements, when the UE does not support the dedicated processing module to measure the CSI-RS.

10. A user equipment (UE), comprising a processor and a transceiver, wherein the transceiver is configured to receive and transmit data under a control of the processor, the processor is configured to perform:

determining measurement requirements, according to information related to a receiving time of a Channel State Information-Reference Signal (CSI-RS);

wherein the information related to a receiving time of the CSI-RS is the timing offset between CSI-RS and serving cell timing, or the information related to a receiving time of the CSI-RS comprises the timing offset between CSI-RS and serving cell timing;

wherein the measurement requirements comprise accuracy requirements, or the measurement requirements are accuracy requirements.

11. The UE according to claim 10, wherein the processor is further configured to perform at least one of:

reporting first information, wherein the first information is information related to the receiving time of the CSI-RS;

reporting second information, wherein the second information is information related to the FFT;

reporting third information, wherein the third information is information related to the measurement of the SSB and the CSI-RS; and

reporting fourth information, wherein the fourth information is information related to the

minimum interval of the CSI-RS.

12. The UE according to claim 10 or 11,

the timing offset between CSI-RS and serving cell timing is smaller than or equal to a first threshold; and/or

a maximum value of the timing offset between CSI-RS and serving cell timing is smaller than or equal to a second threshold;

or

the information related to the receiving time of the CSI-RS further comprises at least one of:

whether the UE supports a reception or a measurement of a second cell CSI-RS performed based on a timing of a first cell;

whether the UE supports a reception or a measurement of the CSI-RS performed based on a timing of a third cell;

whether the UE supports a reception or a measurement of the CSI-RS performed based on a timing of an associated SSB; and

whether the UE supports a reception or a measurement of a CSI-RS of a first frequency point or a first carrier performed based on a single timing.