

CLAIMS

1. A method for receiving information, the method being applied to User Equipment (UE) and comprising:

acquiring association relationships between paging bandwidths and synchronization or reference signals; and

receiving a paging message in a paging bandwidth corresponding to the UE, according to a synchronization or reference signal having an association relationship with the paging bandwidth corresponding to the UE in the association relationships.

2. The method of claim 1, wherein acquiring the association relationships between the paging bandwidths and the synchronization or reference signals comprises:

receiving Remaining Minimum System Information (RMSI) or Other System Information (OSI), wherein the RMSI or the OSI is used for notifying indication information of each of the paging bandwidths and indication information of a synchronization or reference signal having an association relationship with the paging bandwidth.

3. The method of claim 1, wherein acquiring the association relationships between the paging bandwidths and the synchronization or reference signals comprises:

defining each association relationship according to a preset association relationship establishment strategy,

wherein the preset association relationship establishment strategy comprises one of:

a paging message in a paging bandwidth has an association relationship with a synchronization or reference signal on a BandWidth Part (BWP) on which the paging bandwidth is located, wherein the paging bandwidth is a part of the BWP and the BWP is a part of a system bandwidth;

a paging message in a paging bandwidth has an association relationship with a synchronization or reference signal that is closest to the paging bandwidth in a frequency domain; or

a paging message in a paging bandwidth has an association relationship with a preset synchronization or reference signal.

4. The method of claim 1, wherein the synchronization or reference signal comprises at least one of: a Synchronization Signal block (SS block), a Channel State Information Reference Signal (CSI-RS), or a Tracking Reference Signal (TRS).

5. The method of claim 4, wherein the synchronization or reference signal is configured by a network side to the UE; and the SS block and the CSI-RS are used for Radio Resource Management (RRM) and mobility measurement, and the TRS is used for time frequency tracking.

6. The method of claim 1, further comprising:

responsive to that the paging bandwidth corresponding to the UE has no association relationship with a detected synchronization or reference signal, acquiring the association relationships between paging bandwidths and synchronization or reference signals, and receiving the paging message in the paging bandwidth corresponding to the UE, according to the synchronization or reference signal having the association relationship with the paging bandwidth corresponding to the UE in the association relationships.

7. The method of claim 6, wherein the paging bandwidth corresponding to the UE has no association relationship with the detected synchronization or reference signal comprises one of:

a BWP on which the paging bandwidth corresponding to the UE is located is different from a BWP on which the detected synchronization or reference signal is located; or

a distance between a frequency domain location of the paging bandwidth corresponding to the UE and a frequency domain location of the detected synchronization or reference signal is greater than a set distance threshold; or

a frequency domain location of the paging bandwidth corresponding to the UE and a frequency domain location of the detected synchronization or reference

signal belong to different Radio-Frequency (RF) chains.

8. The method of any one of claims 1 to 7, wherein each association relationship comprises a Quasi-Co-Location (QCL) relationship.

9. A method for receiving information, the method being applied to a network device and comprising:

carrying, in Remaining Minimum System Information (RMSI) or Other System Information (OSI), indication information of a paging bandwidth corresponding to User Equipment (UE) and indication information of a synchronization or reference signal having an association relationship with the paging bandwidth; and

sending the RMSI or the OSI to the UE.

10. The method of claim 9, wherein the association relationship comprises a Quasi-Co-Location (QCL) relationship.

11. User Equipment (UE), comprising: an acquisition portion and a receiving portion, wherein

the acquisition portion is configured to acquire association relationships between paging bandwidths and synchronization or reference signals; and

the receiving portion is configured to receive, according to a synchronization or reference signal having an association relationship with a paging bandwidth corresponding to the UE in the association relationships, a paging message in the paging bandwidth corresponding to the UE.

12. The UE of claim 11, wherein the acquisition portion is configured to:

receive Remaining Minimum System Information (RMSI) or Other System Information (OSI), wherein the RMSI or the OSI is used for notifying indication information of each of the paging bandwidths and indication information of a synchronization or reference signal having an association relationship with the paging bandwidth.

13. The UE of claim 11, wherein the acquisition portion is configured to:
- define each association relationship according to a preset association relationship establishment strategy,
 - wherein the preset association relationship establishment strategy comprises one of:
 - a paging message in a paging bandwidth has an association relationship with a synchronization or reference signal on a BandWidth Part (BWP) on which the paging bandwidth is located, wherein the paging bandwidth is a part of the BWP and the BWP is a part of a system bandwidth;
 - a paging message in a paging bandwidth has an association relationship with a synchronization or reference signal that is closest to the paging bandwidth in a frequency domain; or
 - a paging message in a paging bandwidth has an association relationship with a preset synchronization or reference signal.
14. The UE of claim 11, wherein the synchronization or reference signal comprises at least one of: a Synchronization Signal block (SS block), a Channel State Information Reference Signal (CSI-RS), or a Tracking Reference Signal (TRS).
15. The UE of claim 14, wherein the synchronization or reference signal is configured by a network side to the UE; and the SS block and the CSI-RS are used for Radio Resource Management (RRM) and mobility measurement, and the TRS is used for time frequency tracking.
16. The UE of claim 11, further comprising a determination portion, configured to: determine whether the paging bandwidth corresponding to the UE has an association relationship with a detected synchronization or reference signal, and trigger, responsive to that the paging bandwidth corresponding to the UE has no association relationship with the detected synchronization or reference signal, the acquisition portion.
17. The UE of claim 16, wherein the determination portion determines that the paging bandwidth corresponding to the UE has no association relationship with the

detected synchronization or reference signal comprises one of:

- a BWP on which the paging bandwidth corresponding to the UE is located is different from a BWP on which the detected synchronization or reference signal is located; or

- a distance between a frequency domain location of the paging bandwidth corresponding to the UE and a frequency domain location of the detected synchronization or reference signal is greater than a set distance threshold; or

- a frequency domain location of the paging bandwidth corresponding to the UE and a frequency domain location of the detected synchronization or reference signal belong to different Radio-Frequency (RF) chains.

18. The UE of any one of claims 11 to 17, wherein each association relationship comprises a Quasi-Co-Location (QCL) relationship.

19. A network device, comprising a carrying portion and a sending portion, wherein

- the carrying portion is configured to carry, in Remaining Minimum System Information (RMSI) or Other System Information (OSI), indication information of a paging bandwidth corresponding to User Equipment (UE) and indication information of a synchronization or reference signal having an association relationship with the paging bandwidth; and

- the sending portion is configured to send the RMSI or the OSI to the UE.

20. The network device of claim 19, wherein the association relationship comprises a Quasi-Co-Location (QCL) relationship.