

CLAIMS

What is claimed is:

1. A method for determining a search space parameter, applied to a terminal device, wherein the method comprises:

receiving dedicated signaling, wherein the dedicated signaling is used to configure a transmission configuration indication state TCI state of a control resource set (CORESET#0) for the terminal device, and a source reference signal Source RS indicated by the TCI state of the control resource set (CORESET#0) is a channel state information reference signal CSI-RS;

determining a target synchronization signal block SSB having a first association relationship with the CSI-RS; and

determining parameter information of a search space (search space#0) in the control resource set (CORESET#0) based on the target SSB;

wherein the first association relationship is that the CSI-RS is in quasi-colocation (QCL) with the target SSB;

wherein the parameter information of the search space (search space#0) comprises at least one of the following: time-frequency resource information and spatial receiving parameter information;

wherein the dedicated signaling is media access control control element MAC CE signaling.

~~2. The method according to claim 1, wherein the first association relationship is that the CSI-RS is in quasi colocation QCL with the target SSB.~~

~~32.~~ The method according to claim 1, wherein the determining a target SSB having an association relationship with the CSI-RS comprises:

determining a TCI state of the CSI-RS; and

determining the target SSB based on the TCI state of the CSI-RS.

~~43.~~ The method according to claim ~~32~~, wherein the determining the target SSB based on the TCI state of the CSI-RS comprises:

if a Source RS indicated by the TCI state of the CSI-RS is a first SSB, determining the first SSB as the target SSB.

~~54.~~ The method according to claim ~~32~~, wherein the determining the target SSB based on the TCI state of the CSI-RS comprises:

if a Source RS indicated by the TCI state of the CSI-RS is a target reference signal RS, determining a second SSB having a second association relationship with the target RS, wherein the target RS is an RS other than an SSB; and

determining the second SSB as the target SSB.

~~65.~~ The method according to claim ~~54~~, wherein the second association relationship is that the target RS is in QCL with the second SSB.

~~76.~~ The method according to claim 1, wherein the parameter information of the search space (search space#0) is used to indicate to monitor a common search space of a physical downlink control channel Type0-PDCCH.

~~8.~~ The method according to claim 1 or 7, wherein the parameter information of the search space#0 comprises at least one of the following:

~~time-frequency resource information and spatial receiving parameter information.~~

~~9.~~ The method according to claim 1, wherein the dedicated signaling comprises at least one of the following:

~~radio resource control RRC signaling and media access control control element MAC CE signaling.~~

~~107.~~ A terminal device, comprising:

a receiving module, configured to receive dedicated signaling, where the dedicated signaling is used to configure a TCI state of a control resource set (CORESET#0) for the terminal device, and a Source RS indicated by the TCI state of the control resource set (CORESET#0) is a CSI-RS;

a first determining module, configured to determine a target SSB having a first association relationship with the CSI-RS; and

a second determining module, configured to determine parameter information of a search space (search space#0) in the control resource set (CORESET#0) based on the target SSB;

wherein the first association relationship is that the CSI-RS is in quasi-colocation (QCL) with the target SSB;

wherein the parameter information of the search space (search space#0) comprises at least one of the following: time-frequency resource information and spatial receiving parameter information;

wherein the dedicated signaling is media access control control element MAC CE

signaling.

~~11. The terminal device according to claim 10, wherein the first association relationship is that the CSI-RS is in quasi-colocation QCL with the target SSB.~~

~~12. The terminal device according to claim 10, wherein the parameter information of the search space#0 comprises at least one of the following:~~

~~time-frequency resource information and spatial receiving parameter information.~~

~~13. The terminal device according to claim 10, wherein the dedicated signaling comprises at least one of the following:~~

~~radio resource control RRC signaling and media access control control element MAC CE signaling.~~

8. The terminal device according to claim 7, wherein when determining a target SSB having a first association relationship with the CSI-RS, the first determining module is further configured to:

determine a TCI state of the CSI-RS; and

determine the target SSB based on the TCI state of the CSI-RS.

9. The terminal device according to claim 8, wherein when determining the target SSB based on the TCI state of the CSI-RS, the first determining module is further configured to:

if a Source RS indicated by the TCI state of the CSI-RS is a first SSB, determine the first SSB as the target SSB.

10. The terminal device according to claim 8, wherein when determining the target SSB based on the TCI state of the CSI-RS, the first determining module is further configured to:

if a Source RS indicated by the TCI state of the CSI-RS is a target reference signal RS, determine a second SSB having a second association relationship with the target RS, wherein the target RS is an RS other than an SSB; and

determine the second SSB as the target SSB.

11. The terminal device according to claim 10, wherein the second association relationship is that the target RS is in QCL with the second SSB.

12. The terminal device according to claim 8, wherein the parameter information of the search space (search space#0) is used to indicate to monitor a common search space of a physical downlink control channel Type0-PDCCH.

~~14~~13. A terminal device, comprising a processor, a memory, and a computer program

stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the steps of the method for determining a search space parameter according to any one of claims 1 to ~~9~~6 are implemented.

~~15~~14. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, the steps of the method for determining a search space parameter according to any one of claims 1 to ~~9~~6 are implemented.