

CLAIMS

1. A method for wireless communication, comprising:

sending, by a network device, a first Synchronization Signal Block (SSB) to a terminal device, the first SSB comprising System Information Block 1 (SIB1) association indication information, and the SIB1 association indication information being configured to indicate whether the first SSB is associated with SIB1;

wherein

when the first SSB is not associated with SIB1, the first SSB does not comprise indication information of a Quasi-Co-Located (QCL) parameter, or,

when the first SSB is associated with SIB1, the first SSB comprises the indication information of the QCL parameter.

2. The method of claim 1, further comprising:

when the first SSB is not associated with SIB1, determining, by the network device, that the first SSB does not comprise the indication information of the QCL parameter; or

when the first SSB is associated with SIB1, determining, by the network device, that the first SSB comprises the indication information of the QCL parameter.

3. The method of claim 2, further comprising:

when the first SSB comprises the indication information of the QCL parameter, determining, by the network device, that an indication manner for the QCL parameter in the first SSB is a specific indication manner,

wherein the specific indication manner is any one of following indication manners:

indicating the QCL parameter through K bits in a Physical Downlink Control Channel (PDCCH) Configuration SIB1 (pdcch-ConfigSIB1) information field, K being a positive integer;

indicating the QCL parameter through A bits in a pdcch-ConfigSIB1 information field and B bits in a subCarrierSpacingCommon information field, A and B being positive integers;

indicating the QCL parameter through C bits in a pdcch-ConfigSIB1 information field and D bits in an SSB-SubcarrierOffset information field, C and D being positive integers; or

indicating the QCL parameter through E bits in a SSB-SubcarrierOffset information

field and F bits in a subCarrierSpacingCommon information field, E and F being positive integers.

4. The method of claim 3, wherein

A is 1, and B is 1;

C is 1, and D is 1; and

E is 1, and F is 1.

5. A method for wireless communication, comprising:

receiving, by a terminal device, a first Synchronization Signal Block (SSB), the first SSB comprising System Information Block 1 (SIB1) association indication information, and the SIB1 association indication information being configured to indicate whether the first SSB is associated with SIB1; and

when the first SSB is not associated with SIB1, determining, by the terminal device, that the first SSB does not comprise indication information of a Quasi-Co-Located (QCL) parameter; or

when the first SSB is associated with SIB1, determining, by the terminal device, that the first SSB comprises the indication information of the QCL parameter.

6. The method of claim 5, further comprising:

when the first SSB comprises the indication information of the QCL parameter, determining, by the terminal device, that an indication manner for the QCL parameter in the first SSB is a specific indication manner,

wherein the specific indication manner is any one of following indication manners:

indicating the QCL parameter through K bits in a Physical Downlink Control Channel (PDCCH) Configuration SIB1 (pdccch-ConfigSIB1) information field, K being a positive integer;

indicating the QCL parameter through A1 bits in a pdccch-ConfigSIB1 information field and B1 bits in a subCarrierSpacingCommon information field, A1 and B1 being positive integers;

indicating the QCL parameter through C1 bits in a pdccch-ConfigSIB1 information field and D1 bits in an SSB-SubcarrierOffset information field, C1 and D1 being positive integers; or

indicating the QCL parameter through E1 bits in a SSB-SubcarrierOffset information field and F1 bits in an subCarrierSpacingCommon information field, E1 and F1 being positive integers.

7. The method of claim 6, wherein

A1 is 1, and B1 is 1;

C1 is 1, and D1 is 1; and

E1 is 1, and F1 is 1.

8. A network device, comprising:

a communication module, configured to send a first Synchronization Signal Block (SSB) to a terminal device, the first SSB comprising System Information Block 1 (SIB1) association indication information, and the SIB1 association indication information being configured to indicate whether the first SSB is associated with SIB1;

wherein

when the first SSB is not associated with SIB1, the first SSB does not comprise indication information of a Quasi-Co-Located (QCL) parameter, or

when the first SSB is associated with SIB1, the first SSB comprises the indication information of the QCL parameter.

9. The network device of claim 8, further comprising a determination module,

wherein the determination module is configured to:

when the first SSB is not associated with SIB1, determine that the first SSB does not comprise the indication information of the QCL parameter; or

when the first SSB is associated with SIB1, determine that the first SSB comprises the indication information of the QCL parameter.

10. The network device of claim 9, wherein the determination module is further configured to:

when the first SSB comprises the indication information of the QCL parameter, determine that an indication manner for the QCL parameter in the first SSB is a specific indication manner,

wherein the specific indication manner is any one of following indication manners:

indicating the QCL parameter through K bits in a Physical Downlink Control Channel

(PDCCH) Configuration SIB1 (pdccch-ConfigSIB1) information field, K being a positive integer;

indicating the QCL parameter through A bits in a pdccch-ConfigSIB1 information field and B bits in a subCarrierSpacingCommon information field, A and B being positive integers;

indicating the QCL parameter through C bits in a pdccch-ConfigSIB1 information field and D bits in an SSB-SubcarrierOffset information field, C and D being positive integers; or

indicating the QCL parameter through E bits in a SSB-SubcarrierOffset information field and F bits in a subCarrierSpacingCommon information field, E and F being positive integers.

11. The network device of claim 10, wherein

A is 1, and B is 1;

C is 1, and D is 1; and

E is 1, and F is 1.

12. A terminal device, comprising:

a communication module, configured to receive a first Synchronization Signal Block (SSB), the first SSB comprising System Information Block 1 (SIB1) association indication information, and the SIB1 association indication information being configured to indicate whether the first SSB is associated with SIB1;

a determination module, configured to, when the first SSB is not associated with SIB1, determine that the first SSB does not comprise indication information of a Quasi-Co-Located (QCL) parameter; or, when the first SSB is associated with SIB1, determine that the first SSB comprises the indication information of the QCL parameter.

13. The terminal device of claim 12, wherein the determination module is further configured to:

when the first SSB comprises the indication information of the QCL parameter, determine that an indication manner for the QCL parameter in the first SSB is a specific indication manner,

wherein the specific indication manner is any one of following indication manners:

indicating the QCL parameter through K bits in a Physical Downlink Control Channel (PDCCH) Configuration SIB1 (pdccch-ConfigSIB1) information field, K being a positive

integer;

indicating the QCL parameter through A1 bits in a `pdccch-ConfigSIB1` information field and B1 bits in a `subCarrierSpacingCommon` information field, A1 and B1 being positive integers;

indicating the QCL parameter through C1 bits in a `pdccch-ConfigSIB1` information field and D1 bits in an `SSB-SubcarrierOffset` information field, C1 and D1 being positive integers; or

indicating the QCL parameter through E1 bits in a `SSB-SubcarrierOffset` information field and F1 bits in a `subCarrierSpacingCommon` information field, E1 and F1 being positive integers,

wherein A1 is 1, and B1 is 1; C1 is 1, and D1 is 1; and E1 is 1, and F1 is 1.