

WHAT IS CLAIMED IS:

1. A method for activating a secondary cell, applied to a terminal, the method comprising:
receiving a reference signal activation signaling, wherein the reference signal activation signaling is used for activating a reference signal, and the reference signal is used for activation of the secondary cell; and
receiving the reference signal based on the reference signal activation signaling, and activating the secondary cell,
characterized in that a time domain length of the reference signal is indicated by a reference signal configuration signaling sent by a network device, wherein the time domain length of the reference signal is represented by a number of repeated transmissions of the reference signal, and a number of time domain positions occupied by the reference signal is four times the number of repeated transmissions.
2. The method of claim 1, wherein:
the reference signal activation signaling is an MAC CE, and a starting time domain position of the reference signal is a time domain position corresponding to a second preset duration after a moment when a confirmation message of the MAC CE is sent.
3. The method of claim 1, wherein a starting time domain position of the reference signal overlaps with a time domain position of an SSB of an activated carrier.
4. The method of claim 1, wherein a starting time domain position of the reference signal is determined according to a state of a carrier corresponding to the secondary cell.
5. The method of any one of claims 1-4, wherein the reference signal is a tracking reference signal (TRS).
6. A method for activating a secondary cell, applied to a network device, the method comprising:
sending a reference signal activation signaling, wherein the reference signal activation signaling is used for activating a reference signal, and the reference signal is used for activation of the secondary cell; and
sending the reference signal based on the reference signal activation signaling,
characterized in that a time domain length of the reference signal is indicated by a reference signal configuration signaling sent by the network device, wherein the time domain length of the reference signal is represented by a number of repeated transmissions of the reference signal, and a number of time domain positions occupied by the reference signal is four times the number of repeated transmissions.
7. The method of claim 6, wherein:

the reference signal activation signaling is an MAC CE, and a starting time domain position of the reference signal is a time domain position corresponding to a second preset duration after a moment when a confirmation message of the MAC CE is sent.

8. The method of any one of claims 6-7, wherein the reference signal is a tracking reference signal (TRS).

9. A terminal, comprising:

a processor;

a transceiver connected to the processor;

a memory for storing executable program codes for the processor;

wherein the processor is configured to load and execute the executable program codes to enable the terminal to implement the method for activating a secondary cell of any one of claims 1 to 5.

10. A network device, comprising:

a processor;

a transceiver connected to the processor;

a memory for storing executable program codes for the processor;

wherein the processor is configured to load and execute the executable program codes to enable the network device to implement the method for activating a secondary cell of any one of claims 6 to 8.

11. A computer-readable storage medium, wherein the readable storage medium stores executable program codes, and the executable program codes are loaded and executed by a processor to implement the method for activating a secondary cell of any one of claims 1 to 8.