Claims：

1. A method for reporting a time domain channel property (TDCP), performed by a terminal, comprising:

determining a time domain correlation amplitude value set based on tracking reference signal (TRS) bursts configured by a network device, wherein the time domain correlation amplitude value set comprises time domain correlation amplitude values corresponding to different time intervals; and

reporting, to the network device, one or more time domain correlation amplitude values corresponding to at least part of the different time intervals in the time domain correlation amplitude value set.

2. The method according to claim 1, wherein determining the time domain correlation amplitude value set based on the TRS bursts configured by the network device comprises:

receiving the TRS bursts configured by the network device and determining each of symbol positions comprising TRS resources in the TRS bursts;

determining time interval sets corresponding to the symbol positions respectively, wherein each time interval set comprises a plurality of different time intervals;

performing channel estimations based on the TRS resources corresponding to the symbol positions respectively to obtain estimated channel information corresponding to the symbol positions respectively; and

determining the time domain correlation amplitude value set based on the estimated channel information and the time interval sets corresponding to the symbol positions respectively.

3. The method according to claim 2, wherein determining the time domain correlation amplitude value set based on the estimated channel information and the time interval sets corresponding to the symbol positions respectively comprises:

determining candidate time domain correlation amplitude values for each time interval corresponding to each symbol position based on the estimated channel information corresponding to the each symbol position and each time interval in the time interval set corresponding to the each symbol position; and

obtaining a time domain correlation amplitude value corresponding to the each time interval based on the candidate time domain correlation amplitude values corresponding to the each time interval.

4. The method according to any one of claims 1 to 3, wherein reporting, to the network device, the one or more time domain correlation amplitude values corresponding to the at least part of the different time intervals in the time domain correlation amplitude value set comprises:

reporting, to the network device, time domain correlation amplitude values corresponding to all of the different time intervals in the time domain correlation amplitude value set.

5. The method according to any one of claims 1 to 3, wherein reporting, to the network device, the one or more time domain correlation amplitude values corresponding to at least part of the different time intervals in the time domain correlation amplitude value set comprises:

reporting, to the network device, one or more time domain correlation amplitude values corresponding to a part of the different time intervals in the time domain correlation amplitude value set.

6. The method according to claim 5, wherein reporting, to the network device, the one or more time domain correlation amplitude values corresponding to the part of the different time intervals in the time domain correlation amplitude value set comprises:

determining the part of the different time intervals based on a network indication or a protocol agreement, and reporting, to the network device, the one or more time domain correlation amplitude values corresponding to the part of the different time intervals.

7. The method according to claim 5, wherein reporting, to the network device, the one or more time domain correlation amplitude values corresponding to the part of the different time intervals in the time domain correlation amplitude value set comprises:

reporting, to the network device, the one or more time domain correlation amplitude values corresponding to one or more specified time intervals in the time domain correlation amplitude value set; or

reporting, to the network device, the one or more time domain correlation amplitude values corresponding to one or more specified time intervals in different time interval sets corresponding to the time domain correlation amplitude value set, wherein each symbol position comprising TRS resources in the TRS bursts corresponds to one time interval set.

8. The method according to any one of claims 1 to 3, wherein reporting, to the network device, the one or more time domain correlation amplitude values corresponding to the at least part of the different time intervals in the time domain correlation amplitude value set comprises:

quantizing the one or more time domain correlation amplitude values corresponding to the at least part of the different time intervals to obtain quantization information of the one or more time domain correlation amplitude values; and

sending the quantization information of the one or more time domain correlation amplitude values to the network device.

9. A method for reporting a time domain channel property (TDCP), performed by a network device, comprising:

configuring TRS bursts for a terminal for determining a time domain correlation amplitude value set, wherein the time domain correlation amplitude value set comprises time domain correlation amplitude values corresponding to different time intervals; and

receiving one or more time domain correlation amplitude values corresponding to at least part of the different time intervals in the time domain correlation amplitude value set reported by the terminal.

10. The method according to claim 9, wherein receiving one or more time domain correlation amplitude values corresponding to the at least part of the different time intervals in the time domain correlation amplitude value set reported by the terminal comprises:

receiving one or more time domain correlation amplitude values corresponding to a part of the different time intervals in the time domain correlation amplitude value set reported by the terminal.

11. The method according to claim 10, wherein the part of the different time intervals are provided based on a network indication or a protocol agreement.

12. The method according to claim 10 or 11, wherein receiving the one or more time domain correlation amplitude values corresponding to the part of the different time intervals in the time domain correlation amplitude value set reported by the terminal comprises:

receiving the one or more time domain correlation amplitude values corresponding to one or more specified time intervals in the time domain correlation amplitude value set reported by the terminal; or,

receiving the one or more time domain correlation amplitude values corresponding to one or more specified time intervals in different time interval sets corresponding to the time domain correlation amplitude value set reported by the terminal, wherein each symbol position comprising TRS resources in the TRS bursts corresponds to one time interval set.

13. The method according to any one of claims 9 to 12, receiving the one or more time domain correlation amplitude values corresponding to the at least part of the different time intervals in the time domain correlation amplitude value set reported by the terminal comprises:

receiving quantization information of one or more time domain correlation amplitude values sent by the terminal; and

determining the one or more time domain correlation amplitude values based on the quantization information.

14. A communication device, comprising a processor and a memory, the memory stores a computer program, the processor is configured to execute the computer program stored in the memory, causing the device to perform the method according to any one of claims 1 to 8 or the method according to any one of claims 9 to 13.

15. A computer-readable storage medium for storing instructions that, when executed, enable the method according to any one of claims 1 to 8 or the method according to any one of claims 9 to 13 to be implemented.