WHAT IS CLAIMED IS:

1. A signal transmission method, characterized in comprising:

determining, by the terminal device, an effective transmission power of a plurality of uplink signals; and

transmitting, by the terminal device, the plurality of uplink signals simultaneously in a same frequency domain resource set according to the effective transmission power of the plurality of uplink signals.

2. The method according to claim 1, wherein the plurality of uplink signals are uplink signals scheduled by same downlink control information (DCI), or uplink signals respectively scheduled by different DCIs.

3. The method according to claim 1 or 2, wherein the determining, by the terminal device, an effective transmission power of a plurality of uplink signals comprises:

determining, by the terminal device, the effective transmission power of the plurality of uplink signals according to a number of the plurality of uplink signals.

4. The method according to claim 3, wherein the determining, by the terminal device, the effective transmission power of the plurality of uplink signals according to a number of the plurality of uplink signals comprises:

determining, by the terminal device, a maximum supported transmission power of each uplink signal among the plurality of uplink signals according to the number of the plurality of uplink signals; and

determining, by the terminal device, the effective transmission power of the each uplink signal based on the maximum supported transmission power of the each uplink signal.

5. The method according to claim 3, wherein the determining, by the terminal device, the effective transmission power of the plurality of uplink signals according to a number of the plurality of uplink signals comprises:

determining, by the terminal device, an expected transmission power of the each uplink signal among the plurality of uplink signals being reduced based on a ratio corresponding to the number of the plurality of uplink signals, as the effective transmission power of the each uplink signal.

6. The method according to claim 1 or 2, wherein the determining, by the terminal

device, an effective transmission power of a plurality of uplink signals comprises:

determining, by the terminal device, the effective transmission power of the plurality of uplink signals according to priority information of the plurality of uplink signals.

7. The method according to claim 6, wherein before the determining, by the terminal device, the effective transmission power of the plurality of uplink signals according to priority information of the plurality of uplink signals, the method further comprises:

determining, by the terminal device, the priority information of the plurality of uplink signals according to at least one of following information: a signal type of the plurality of uplink signals, a control signaling used for scheduling the plurality of uplink signals, a type of information carried by the plurality of uplink signals, and an order by which the plurality of uplink signals are scheduled.

8. The method according to claim 1 or 2, wherein the determining, by the terminal device, an effective transmission power of a plurality of uplink signals comprises:

determining by the terminal device, if a sum of expected transmission powers of the plurality of uplink signals exceeds a maximum transmission power supported by the terminal device, the expected transmission power of each uplink signal among the plurality of uplink signals being reduced based on a ratio of the maximum transmission power to the sum of expected transmission powers of the plurality of uplink signals, as the effective transmission power of the each uplink signal.

9. A terminal device, characterized in comprising:

a determination unit configured to determine an effective transmission power of a plurality of uplink signals; and

a transmission unit configured to transmit the plurality of uplink signals simultaneously in a same frequency domain resource set according to the effective transmission power of the plurality of uplink signals.

10. The terminal device according to claim 9, wherein the plurality of uplink signals are uplink signals scheduled by same downlink control information (DCI), or uplink signals respectively scheduled by different DCIs.

11. The terminal device according to claim 9 or 10, wherein the determination unit is specifically configured to:

determine the effective transmission power of the plurality of uplink signals according to a number of the plurality of uplink signals.

12. The terminal device according to claim 11, wherein the determination unit is specifically configured to:

determine a maximum supported transmission power of each uplink signal among the plurality of uplink signals according to the number of the plurality of uplink signals; and

determine the effective transmission power of the each uplink signal based on the maximum supported transmission power of the each uplink signal.

13. The terminal device according to claim 11, wherein the determination unit is specifically configured to:

determine an expected transmission power of the each uplink signal among the plurality of uplink signals being reduced based on a ratio corresponding to the number of the plurality of uplink signals, as the effective transmission power of the each uplink signal.

14. The terminal device according to claim 9 or 10, wherein the determination unit is specifically configured to:

determine the effective transmission power of the plurality of uplink signals according to priority information of the plurality of uplink signals.

15. The terminal device according to claim 14, wherein the determination unit is further configured to:

determine the priority information of the plurality of uplink signals according to at least one of following information: a signal type of the plurality of uplink signals, a control signaling used for scheduling the plurality of uplink signals, a type of information carried by the plurality of uplink signals, and an order by which the plurality of uplink signals are scheduled.

16. The terminal device according to claim 9 or 10, wherein the determination unit is specifically configured to:

determine, if a sum of expected transmission powers of the plurality of uplink signals exceeds a maximum transmission power supported by the terminal device, the expected transmission power of each uplink signal among the plurality of uplink signals being reduced based on a ratio of the maximum transmission power to the sum of expected transmission

powers of the plurality of uplink signals, as the effective transmission power of the each uplink signal.