CLAIMS

1. A method for data transmission, comprising:

receiving, by a terminal device, indication information, wherein the indication information is used for the terminal device to determine a first transmission power for uplink data within a target time unit;

determining, by the terminal device, the first transmission power according to the indication information; and

sending, by the terminal device, uplink data to a first network device at the first transmission power within the target time unit,

wherein the indication information is determined through negotiation between the first network device and a second network device, and the first network device and the second network device are network devices to which the terminal device is connected through Long-Term Evolution, LTE- New Radio, NR, Dual Connection, DC,

wherein receiving, by the terminal device, indication information comprises:

receiving, by the terminal device, from the first network device or the second network device, information of a time division multiplexing mode of the terminal device within the target time unit, the second network device being a network device sending downlink data to the terminal device; and

wherein determining, by the terminal device, the first transmission power according to the indication information comprises:

determining, by the terminal device, the first transmission power according to the information of the time division multiplexing mode,

wherein when the target time unit is concurrently used for receiving downlink data and sending uplink data, the first transmission power is smaller than a maximum transmission power supported by the terminal device, or

when the target time unit is merely used for sending uplink data, the first transmission power is the maximum transmission power supported by the terminal device.

2. The method according to claim 1, wherein the indication information comprises a bitmap, the bitmap comprises at least one numeric value, the at least one numeric value is used for the terminal device to determine a transmission power for uplink data within at least one time unit, and the at least one time unit comprises the target time unit.

3. The method according to claim 2, wherein the at least one time unit is periodic.

4. The method according to claim 3, wherein the indication information further comprises timing bias information and period information, wherein the timing bias information and the period information are used for the terminal device to determine at least one of a start position or an end position of the at least one time unit in time domain.

5. The method according to claim 1, wherein the indication information is used for notifying the terminal device to send uplink data to the first network device at a second transmission power within the target time unit, or the indication information is used for notifying the terminal device to send uplink data to the first network device at a third transmission power within the target time unit, wherein the second transmission power is greater than the third transmission power.

6. The method according to claim 5, wherein the second transmission power is a maximum transmission power supported by the terminal device.

7. The method according to claim 5, wherein receiving, by the terminal device, indication information comprises:

receiving, by the terminal device, downlink control information (DCI) from the first network device, wherein the DCI comprises the indication information.

8. The method according to any one of claims 1 to 7, wherein the target time unit comprises at least one of a sub-frame, a time slot, or a symbol.

9. The method according to claim 1, wherein the indication information is interaction information between the first network device and the second network device.

10. A terminal device, comprising:

a transceiving unit, configured to receive indication information, wherein the indication information is used for the terminal device to determine a first transmission power for uplink data within a target time unit; and

a processing unit, configured to determine the first transmission power according to the indication information,

wherein the transceiving unit is further configured to send uplink data to a first network device at the first transmission power within the target time unit,

wherein the indication information is determined through negotiation between the first network device and a second network device, and the first network device and the second network device are network devices to which the terminal device is connected through Long-Term Evolution, LTE- New Radio, NR, Dual Connection, DC,

wherein the transceiving unit is configured to:

receive, from the first network device or the second network device, information of a time division multiplexing mode of the terminal device within the target time unit, the second network device being a network device sending downlink data to the terminal device, and

wherein the processing unit is configured to:

determine the first transmission power according to the information of the time division multiplexing mode,

wherein when the target time unit is concurrently used for receiving downlink data and sending uplink data, the first transmission power is smaller than a maximum transmission power supported by the terminal device, or

when the target time unit is merely used for sending uplink data, the first transmission power is the maximum transmission power supported by the terminal device.

11. The terminal device according to claim 10, wherein the indication information comprises a bitmap, the bitmap comprises at least one numeric value, the at least one numeric value is used for the terminal device to determine a transmission power for uplink data within at least one time unit, and the at least one time unit comprises the target time unit.

12. The terminal device according to claim 11, wherein the at least one time unit is periodic.

13. The terminal device according to claim 12, wherein the indication information further comprises timing bias information and period information, wherein the timing bias information and the period information are used for the terminal device to determine at least one of a start position or an end position of the at least one time unit in time domain.

14. The terminal device according to claim 10, wherein the indication information is used for notifying the terminal device to send uplink data to the first network device at a second transmission power within the target time unit, or the indication information is used for notifying the terminal device to send uplink data to the first network device at a third transmission power within the target time unit, wherein the second transmission power is greater than the third transmission power.

15. The terminal device according to claim 14, wherein the second transmission power is a maximum transmission power supported by the terminal device.

16. The terminal device according to claim 14, wherein receiving, by the terminal device, indication information comprises:

receiving, by the terminal device, downlink control information (DCI) from the first network device, wherein the DCI comprises the indication information.

17. The terminal device according to any one of claims 10 to 16, wherein the target time unit comprises at least one of a sub-frame, a time slot or a symbol.

18. The terminal device according to claim 10, wherein the indication information is interaction information between the first network device and the second network device.