

WHAT IS CLAIMED IS:

1. A wireless communication method, comprising:

determining a same target path loss value for a plurality of Sounding Reference Signal (SRS) resources in a SRS resource set according to a same first downlink signal corresponding to the SRS resource set;

determining a target transmission power for the SRS resource in the SRS resource set according to the target path loss value; and

transmitting an SRS to a network device on the SRS resource in the SRS resource set according to the target transmission power.

2. The method according to claim 1, wherein the determining the target transmission power for the SRS resource in the SRS resource set comprises:

determining a same target transmission power for the plurality of SRS resources in the SRS resource set.

3. The method according to claim 2, wherein the transmitting an SRS to a network device on the SRS resource in the SRS resource set according to the target transmission power comprises:

transmitting an SRS to the network device on the plurality of SRS resources in the SRS resource set according to the target transmission power.

4. The method according to any one of claims 1 to 3, wherein before determining the same target path loss value for the plurality of SRS resources in the SRS resource set according to the same first downlink signal corresponding to the SRS resource set, the method further comprises:

receiving first indication information of the network device, wherein the first indication information is used to indicate the first downlink signal corresponding to the SRS resource set.

5. The method according to any one of claims 1 to 3, wherein before determining the same target path loss value for the plurality of SRS resources in the SRS resource set according to the same first downlink signal corresponding to the SRS resource set, the method further comprises:

determining the first downlink signal corresponding to the SRS resource set according to a first preset relationship.

6. The method according to any one of claims 1 to 5, wherein the determining the same target path loss value for the plurality of SRS resources in the SRS resource set according to the first downlink signal corresponding to the SRS resource set comprises:

determining a path loss value used for calculating a transmission power of a first uplink signal as the target path loss value.

7. The method according to any one of claims 1 to 5, wherein the first downlink signal comprises one of following: a CSI-RS, a synchronization signal, a synchronization signal block, a time-frequency Tracking Reference Signal (TRS), a Phase Tracking Reference Signal (PTRS), a Physical Downlink Shared Channel (PDSCH), a Physical Downlink Control Channel (PDCCH) and a DMRS.

8. The method according to any one of claims 1 to 5 and 7, wherein the determining the same target path loss value for the plurality of SRS resources in the SRS resource set according to the same first downlink signal corresponding to the SRS resource set comprises:

obtaining a second path loss value according to a receiving power of the first downlink signal and a transmission power of the first downlink signal; and

determining the second path loss value as the target path loss value.

9. The method according to any one of claims 1 to 3, wherein the transmitting an SRS to the network device on the plurality of SRS resources in the SRS resource set according to the target transmission power comprises:

transmitting the SRS to the network device using different transmission beams on different SRS resources in the SRS resource set respectively according to the target transmission power.

10. A terminal device, wherein

the terminal device is configured to perform the wireless communication method according to any one of claims 1-9.

11. A wireless communication method, comprising:

configuring, by a network device, a plurality of SRS resources in a SRS resource set for a terminal device;

indicating, by the network device, an index of a SRS resource in the SRS resource set, wherein the other SRS resources in the SRS resource set adopts a same target path loss value as the SRS resource indicated by the index; and

receiving, by the network device, an SRS on the SRS resource in the SRS resource set according to a target transmission power determined for the SRS resource in the SRS resource set according to the same target path loss value.

12. The method according to claim 11, further comprising:

indicating, by the network device, a first downlink signal to the terminal device for determining the same target path loss value for the plurality of SRS resources in the SRS resource set.

13. The method according to claim 11, wherein the receiving, by the network device, an SRS on the SRS resource in the SRS resource set according to a target transmission power determined for the SRS resource in the SRS resource set according to the same target path loss value comprises:

receiving, by the network device, an SRS on the plurality of SRS resources in the SRS resource set according to the target transmission power determined for the SRS resource in the SRS resource set according to the same target path loss value.

14. The method according to claim 13, wherein the first downlink signal comprises one of following: a CSI-RS, a synchronization signal, a synchronization signal block, a time-frequency Tracking Reference Signal, TRS, a Phase Tracking Reference Signal, PTRS, a Physical Downlink Shared Channel, PDSCH, a Physical Downlink Control Channel, PDCCH, and a DMRS.

15. A network device (110), wherein the network device is configured to perform the wireless communication method according to any one of claims 11-14.