

CLAIMS

1. A method for transmitting signals, comprising:

5 determining, by a first device according to an operating frequency band for transmitting signals, a transmission number N of the signals; wherein the transmission number N of the signals is 16 when the operating frequency band for transmitting signals is greater than 2 GHz and less than or equal to 6 GHz; and

 performing, by the first device according to the transmission number N,
10 transmission of the signals with a second device.

2. The method of claim 1, wherein before determining, by the first device according to the operating frequency band for transmitting the signals, the transmission number N of the signals, the method further comprises:

15 determining, by the first device, the operating frequency band from at least one operating frequency band.

3. The method of claim 1 or 2, wherein determining, by the first device according to the operating frequency band for transmitting the signals, the transmission number N
20 of the signals comprises:

 determining, by the first device according to the operating frequency band and a predefined second association, the transmission number N, wherein the second association is an association between the operating frequency band and the transmission number N.

25 4. The method of any one of claims 1-3, wherein performing, by the first device according to the transmission number N, transmission of the signals with the second device comprises:

 determining, by the first device according to the transmission number N,
30 physical resources or sequence resources corresponding to the transmission number N; and

 performing, by the first device, transmission of the signals with the second device by adopting the physical resources or the sequence resources.

5. The method of any one of claims 1-4, wherein performing, by the first device according to the transmission number N, transmission of the signals with the second device comprises:

- 5 sending, by the first device, N signals to the second device according to the transmission number N; or
- receiving, by the first device, N signals sent by the second device according to the transmission number N.

6. The method of any one of claims 1-5, wherein after performing, by the first device according to the transmission number N, transmission of the signals with the second device, the method further comprises:

- receiving, by the first device from the second device, feedback information according to the transmission number N; or
- 15 sending, by the first device to the second device, feedback information according to the transmission number N;
- wherein the feedback information is to indicate a first signal in a signal set corresponding to the transmission number N.

7. The method of any one of claims 1-6, wherein the signals comprise at least one signal of the following signals: a synchronization signal, a broadcast signal, a random access signal or a downlink reference signal.

8. The method of any one of claims 1-7, wherein the first device is a network device, and the second device is a terminal device; or

25 the first device is a terminal device, and the second device is a network device; or

the first device is a terminal device, and the second device is a terminal device.

9. A device for transmitting signals, the device being a first device and comprising:

- 30 a first determination unit, configured to determine, according to an operating frequency band for transmitting signals, a transmission number N of the signals; wherein the transmission number N of the signals is 16 when the operating frequency band for transmitting signals is greater than 2 GHz and less than or equal to 6 GHz; and

a transmission unit, configured to perform transmission of the signals with a second device according to the transmission number N.

10. The device of claim 9, further comprising:

5 a second determination unit, configured to determine the operating frequency band from at least one operating frequency band.

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

10 determine the transmission number N according to the operating frequency band and a predefined second association, wherein the second association is an association between the operating frequency band the transmission number N.

12. The device of any one of claims 9-11, wherein the transmission unit is specifically configured to:

 determine, according to the transmission number N, physical resources or sequence resources corresponding to the transmission number N; and

 perform transmission of the signals with the second device by adopting the physical resources or the sequence resources.

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13. The device of any one of claims 9-12, wherein the transmission unit is specifically configured to:

 send, according to the transmission number N, N signals to the second device;

or

25 receive N signals sent by the second device according to the transmission number N.

14. The device of any one of claims 9-13, wherein the transmission unit is further configured to:

30 receive, according to the transmission number N, feedback information sent by the second device; or

 send, according to the transmission number N, feedback information to the second device;

wherein the feedback information is to indicate a first signal in a signal set corresponding to the transmission number N.

15. The device of any one of claims 9-14, wherein the signals comprise at least one
5 signal of the following signals: a synchronization signal, a broadcast signal, a random access signal or a downlink reference signal.