CLAIMS

What is claimed is:

1. A method for transmitting a physical layer protocol data unit, comprising:

generating a physical layer protocol data unit PPDU, wherein the PPDU comprises a long training field, a length of a frequency-domain sequence of the long training field is greater than a first length, and the first length is a length of a frequency-domain sequence of a long training field of a PPDU transmitted over a channel whose bandwidth is 160 MHz; and

sending the PPDU over a target channel, wherein a bandwidth of the target channel is greater than 160 MHz.

2. A method for receiving a physical layer protocol data unit, comprising:

receiving a physical layer protocol data unit PPDU over a target channel, wherein the PPDU comprises a long training field, a length of a frequency-domain sequence of the long training field is greater than a first length, the first length is a length of a frequency-domain sequence of a long training field of a PPDU transmitted over a channel whose bandwidth is 160 MHz, and a bandwidth of the target channel is greater than 160 MHz; and

parsing the PPDU.

3. An apparatus for transmitting a physical layer protocol data unit, comprising:

a generation unit, configured to generate a physical layer protocol data unit PPDU, wherein the PPDU comprises a long training field, a length of a frequency-domain sequence of the long training field is greater than a first length, and the first length is a length of a frequency-domain sequence of a long training field of a PPDU transmitted over a channel whose bandwidth is 160 MHz; and

a sending unit, configured to send the PPDU over a target channel, wherein a bandwidth of the target channel is greater than 160 MHz.

4. An apparatus for receiving a physical layer protocol data unit, comprising:

a receiving unit, configured to receive a physical layer protocol data unit PPDU over a target channel, wherein the PPDU comprises a long training field, a length of a frequency-domain sequence of the long training field is greater than a first length, the first length is a length of a frequency-domain sequence of a long training field of a PPDU transmitted over a channel whose bandwidth is 160 MHz, and a bandwidth of the target channel is greater than 160 MHz; and

a processing unit, configured to parse the PPDU.

5. A computer-readable storage medium, configured to store a computer program, wherein the computer program comprises instructions for implementing the method according to any one of claims 1 to 2.

6. A computer product, wherein the computer product comprises instructions for implementing the method according to any one of claims 1 to 2.

7. A communications system, comprising:

the apparatus according to claim 3; and/or,

the apparatus according to claim 4.

8. An apparatus, configured to perform claim 1 or 2.