WHAT IS CLAIMED IS:

1. A method for determining a channel detection mechanism, applied to a scene where a broadband spectrum on an unlicensed spectrum is employed for transmission, wherein the broadband spectrum comprises a plurality of sub-bands, and the method further comprises:

determining a detection mode on the broadband spectrum;

determining a channel detection mechanism corresponding to the broadband spectrum based on at least one sub-band in the plurality of sub-bands in a case that the detection mode is a broadband detection mode; and

determining a channel detection mechanism corresponding to each sub-band based on the sub-band in the plurality of sub-bands in a case that the detection mode is a sub-band detection mode.

2. The method of claim 1, wherein the channel detection mechanism comprises a contention window size, and different contention window sizes correspond to different channel access priorities; and

determining the channel detection mechanism corresponding to the broadband spectrum based on the at least one sub-band in the plurality of sub-bands comprises:

determining a contention window size with a lowest channel access priority among the contention window sizes corresponding to the plurality of sub-bands; and

determining the contention window size with the lowest channel access priority as a contention window size in the channel detection mechanism corresponding to the broadband spectrum.

3. The method of claim 1 or 2, wherein the channel detection mechanism comprises a contention window size, and

determining the channel detection mechanism corresponding to each sub-band based on the sub-band in the plurality of sub-bands comprises:

determining the channel detection mechanism corresponding to each sub-band based on a contention window size corresponding to the sub-band.

4. The method of any of claims 1 to 3, wherein each sub-band corresponds to a first contention window size and a second contention window size,

the first contention window size is a contention window size for a broadband detection mode; and

the second contention window size is a contention window size for a sub-band detection mode.

5. The method of any of claims 1 to 4, wherein determining the detection mode on the broadband spectrum comprises:

determining the detection mode on the broadband spectrum automatically; or

receiving a first bandwidth part (BWP) switch command, and determining the detection mode on the broadband spectrum based on the first BWP switch command.

6. The method of any of claims 1 to 5, further comprising:

generating a second bandwidth part (BWP)switch command, the second BWP switch command being configured to indicate the channel detection mechanism on the broadband spectrum; and

sending the second BWP switch command to a terminal.

7. An apparatus for determining a channel detection mechanism, applied to a scene where a broadband spectrum on an unlicensed spectrum is employed for transmission, wherein the broadband spectrum comprises a plurality of sub-bands, and the apparatus further comprises:

a mode determining module, configured to determine a detection mode on the broadband spectrum; and

a mechanism determining module, configured to determine a channel detection mechanism corresponding to the broadband spectrum based on at least one sub-band in the plurality of sub-bands in a case that the detection mode is a broadband detection mode;

wherein the mechanism determining module is configured to determine a channel detection mechanism corresponding to each sub-band based on the sub-band in the plurality of sub-bands in a case that the detection mode is a sub-band detection mode.

8. The apparatus of claim 7, wherein the channel detection mechanism comprises a contention window size, and different contention window sizes correspond to different channel access priorities; and

the mode determining module is configured to: determine a contention window size with a lowest channel access priority among the contention window sizes corresponding to the plurality of sub-bands; and determine the contention window size with the lowest channel access priority as a contention window size in the channel detection mechanism corresponding to the broadband spectrum.

9. The apparatus of claim 7 or 8, wherein the channel detection mechanism comprises

a contention window size, and

the mechanism determining module is configured to determine the channel detection mechanism corresponding to each sub-band based on a contention window size corresponding to the sub-band.

10. The apparatus of any of claims 7 to 9, wherein each sub-band corresponds to a first contention window size and a second contention window size,

the first contention window size is a contention window size for a broadband detection mode; and

the second contention window size is a contention window size for a sub-band detection mode.

11. The apparatus of any of claims 7 to 10, further comprising: a receiving module;

wherein the mechanism determining module is configured to determine the detection mode on the broadband spectrum automatically; or

the receiving module is configured to receive a first bandwidth part (BWP) switch command, and the mechanism determining module is configured to determine the detection mode on the broadband spectrum based on the first BWP switch command.

12. The apparatus of any of claims 7 to 11, further comprising: a sending module;

wherein the mechanism determining module is configured to generate a second bandwidth part (BWP)switch command, the second BWP switch command being configured to indicate the channel detection mechanism on the broadband spectrum; and

the sending module is configured to send the second BWP switch command to a terminal.

13. A wireless communication device, comprising:

a processor;

a transceiver, coupled to the processor; and

a memory, configured to store instructions executable by the processor,

wherein the processor is configured to load and execute the instructions to implement the method for determining a channel detection mechanism according to any of claims 1 to 6.

14. A computer readable storage medium having at least one instruction, at least one program, a code set or an instruction set stored thereon, wherein the at least one instruction, the at least one program, the code set or the instruction set is loaded and executed by a processor to implement the method for determining a channel detection mechanism

according to any of claims 1 to 6.