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;

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

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

wherein each sub-band is preconfigured with a first contention window size and a second contention window size,

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

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

2. The method of claim 1, wherein the channel detection mechanism comprises a contention window size, and wherein different contention window sizes correspond to different channel access priorities; and wherein the 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 (404a) the first contention window size with a lowest channel access priority among first contention window sizes corresponding to the plurality of sub-bands and determining (404b) the first contention window size with the lowest channel access priority as the contention window size in the channel detection mechanism corresponding to the broadband spectrum.

3. The method of claim 1, wherein the channel detection mechanism comprises a contention window size, and wherein the determining the channel detection mechanism corresponding to each sub-band based on the sub-band in the plurality of sub-bands comprises:

determining (406a) the channel detection mechanism corresponding to each sub-band

based on the second contention window size corresponding to the sub-band, wherein the channel detection mechanisms corresponding to respective sub-bands are independent.

4. The method of any of claims 1 to 3, wherein, the method is performed by a terminal, and determining the detection mode on the broadband spectrum comprises:

determining, by the terminal, the detection mode on the broadband spectrum automatically; or

receiving, by the terminal, a first bandwidth part (BWP) switch command, and determining the detection mode on the broadband spectrum based on the first BWP switch command; wherein the first BWP switch command carries the channel detection mechanism on the broadband spectrum.

5. The method of any of claims 1 to 3, wherein, the method is performed by a base station, and the method further comprises:

generating, by the base station, 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, by the base station, the second BWP switch command to a terminal.

6. 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:

in a case that the detection mode is a broadband detection mode, determine the 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 sub-band detection mode, determine the channel detection mechanism corresponding to each sub-band based on the sub-band in the plurality of sub-bands;

wherein each sub-band is preconfigured with a first contention window size and a second contention window size,

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

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

mode.

7. The apparatus of claim 6, wherein the channel detection mechanism comprises a contention window size, and wherein different contention window sizes correspond to different channel access priorities; and wherein the mechanism determining module is configured to:

determine the first contention window size with a lowest channel access priority among first contention window sizes corresponding to the plurality of sub-bands and determine the first contention window size with the lowest channel access priority as the contention window size in the channel detection mechanism corresponding to the broadband spectrum.

8. The apparatus of claim 6, wherein the channel detection mechanism comprises a contention window size, and wherein the mechanism determining module is configured to:

determine the channel detection mechanism corresponding to each sub-band based on the second contention window size corresponding to the sub-band, wherein the channel detection mechanisms corresponding to respective sub-bands are independent.

9. The apparatus of any of claims 6 to 8, wherein, the apparatus is applied in a terminal, and the apparatus further comprises: 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; wherein the first BWP switch command carries the channel detection mechanism on the broadband spectrum.

10. The apparatus of any of claims 6 to 8, wherein, the apparatus is applied in a base station, and the apparatus further comprises: 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.

11. 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 5.

12. 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 5.