What is claimed is:

1. A method for transmitting a physical sidelink broadcast channel (PSBCH) of a first user equipment, comprising:

transmitting, to one or more second user equipments, a PSBCH carrying information, wherein the information carried in the PSBCH is used to determine a periodicity and a number of slots, wherein the slots comprise sidelink (SL) slots;

obtaining a first reference subcarrier spacing (SCS), wherein the first reference SCS is configured by the network;

wherein the number of slots which is determined by the information carried in the PSBCH is further determined by the first reference SCS and a second reference SCS, wherein the second reference SCS is pre-configured, or pre-defined, or determined by the information carried in the PSBCH.

2. The method of claim 1, wherein only a pattern 1 is configured by a network, the information carried in PSBCH is determined by parameters configured in pattern 1.

3. The method of claim 2, wherein the periodicity which is determined by the information carried in the PSBCH is determined by a periodicity configured in the pattern 1.

4. The method of claim 2 or 3, wherein the number of slots which is determined by the information carried in the PSBCH is determined by a number of slots configured in the pattern 1.

5. The method of claim 4, wherein the slots configured in the pattern 1 comprise UL slots.

6. The method of claim 1, wherein both a pattern 1 and a pattern 2 are configured by the network, the information carried in PSBCH is determined by parameters configured in pattern 1 and/or pattern 2.

7. The method of claim 6, wherein the periodicity which is determined by the information carried in the PSBCH is determined by a first periodicity configured in the pattern 1 and a second periodicity configured in the pattern 2.

8. The method of claim 6 or 7, wherein the number of slots which is determined by the information carried in the PSBCH is determined by a number of slots configured in at least one of the pattern 1 and the pattern 2.

9. The method of claim 8, wherein the slots configured in at least one of the pattern 1 and the pattern 2 comprise UL slots.

10. The method of any one of claims 1 to 9, wherein the information carried in the PSBCH further determines a number of symbols, wherein the symbols comprise SL symbols.

11. The method of any one of claims 1 to 10, wherein the first user equipment is in coverage of a cell.

12. A first user equipment for transmitting a physical sidelink broadcast channel (PSBCH), configured to implement the method of any one of claims 1 to 11.

13. A chip, comprising:

a processor, configured to call and run a computer program stored in a memory, to cause a device in which the chip is installed to execute the method of any one of claims 1 to 11.