CLAIMS

1. A terminal apparatus comprising:

higher layer processing circuitry configured to receive first information, second information, and third information;

reception circuitry configured to receive a block including a first signal, a second signal, a third signal, and a physical broadcast channel (PBCH); and

measurement circuitry configured to perform received signal reference power (RSRP) measurement for the block, wherein

the first information includes information indicating a periodicity of one or more blocks of a serving cell,

the second information includes information indicating time positions of the one or more blocks of the serving cell within a certain time duration,

the third information includes information to indicate whether time positions of one or more blocks of a neighbor cell are same or not as that of the serving cell,

a physical cell identity is detected from the first signal and the second signal, and

an index of the block is detected from the third signal and the PBCH.

2. A base station apparatus comprising:

higher layer processing circuitry configured to transmit first information, second information, and third information; and

transmission circuitry configured to transmit a block including a first signal, a second signal, a third signal, and a physical broadcast channel (PBCH), wherein

the first information includes information indicating a periodicity of one or more blocks of a serving cell,

the second information includes information for indicating time positions of the one or more blocks of the serving cell within a certain time duration,

the third information includes information to indicate whether time positions of one or more blocks of a neighbor cell are same or not as that of the serving cell,

a physical cell identity is detected from the first signal and the second signal, and

an index of the block is detected from the third signal and the PBCH.

3. A communication method for a terminal apparatus, the communication method comprising the steps of:

receiving first information, second information and third information;

receiving a block including a first signal, a second signal, a third signal, and a physical broadcast channel (PBCH); and

performing received signal reference power (RSRP) measurement for the block, wherein

the first information includes information indicating a periodicity of one or more blocks of a serving cell,

the second information includes information for indicating time positions of the one or more blocks of the serving cell within a certain time duration,

the third information includes information to indicate whether time positions of one or more blocks of a neighbor cell are same or not as that of the serving cell,

a physical cell identity is detected from the first signal and the second signal, and

an index of the block is detected from the third signal and the PBCH.

4. A communication method for a base station apparatus, the communication method comprising the steps of:

transmitting first information, second information and third information; and

transmitting a block including a first signal, a second signal, a third signal, and a physical broadcast channel (PBCH), wherein

the first information includes information indicating a periodicity of one or more blocks of a serving cell,

the second information includes information for indicating time positions of the one or more blocks of the serving cell within a certain time duration,

the third information includes information to indicate whether time positions of one or more blocks of a neighbor cell are same or not as that of the serving cell,

a physical cell identity is detected from the first signal and the second signal, and

an index of the block is detected from the third signal and the PBCH.

5. An integrated circuit mounted in a terminal apparatus, the integrated circuit comprising circuitry being configured to perform at least functions of:

receiving first information, second information and third information;

receiving a block including a first signal, a second signal, a third signal, and a physical broadcast channel (PBCH); and

performing received signal reference power (RSRP) measurement for the block, wherein

the first information includes information indicating a periodicity of one or more blocks of a serving cell,

the second information includes information for indicating time positions of the one or more blocks of the serving cell within a certain time duration,

the third information includes information to indicate whether the time positions of one or more blocks of a neighbor cell are same or not as that of the serving cell,

a physical cell identity is detected from the first signal and the second signal, and

an index of the block is detected from the third signal and the PBCH.

6. An integrated circuit mounted in a base station apparatus, the integrated circuit comprising circuitry being configured to perform at least functions of:

transmitting first information, second information and third information; and

transmitting a block including a first signal, a second signal, a third signal, and a physical broadcast channel (PBCH), wherein

the first information includes information indicating a periodicity of one or more blocks of a serving cell,

the second information includes information for indicating time positions of the one or more blocks of the serving cell within a certain time duration,

the third information includes information to indicate whether time positions of one or more blocks of a neighbor cell are same or not as that of the serving cell,

a physical cell identity is detected from the first signal and the second signal, and

an index of the block is detected from the third signal and the PBCH.