RADIO TRANSMITTING/RECEIVING APPARATUS AND METHOD, TERMINAL APPARATUS, BASE STATION APPARATUS AND WIRELESS COMMUNICATION SYSTEM

ABSTRACT

A terminal apparatus (1) which is a radio transmitting/receiving apparatus receives, from a femto cell base station (home eNB), a pilot channel signal for reception quality measurement and a synchronization channel signal for synchronization. The terminal apparatus (1) has a whitelist stored therein indicative of an accessible femto cell, and determines whether or not a CSG cell of handover destination is accessible based on a PCI of the CSG cell acquired from the synchronization channel and the whitelist. The terminal apparatus (1) then adds the PCI and a CGI to a measurement report for reception quality, and transmits the measurement report to a macro eNB (base station apparatus (2)). In this way, it is possible to suppress wasteful signaling and prevent unnecessary resources from being reserved even when two or more CSG cells that use the same PCI are present in the macro cell.

FIG. 4