ABSTRACT

CELL RESELECTION AND HANDOVER WITH MULTIMEDIA BROADCAST/MULTICAST SERVICE

A method and apparatus for providing wireless communication services, (e.g., multimedia broadcast multicast services (MBMS)), are disclosed. A wireless transmit/receive unit (WTRU) detects a plurality of target cell evolved Node-Bs (eNodeBs) that neighbor a serving cell eNodeB. The WTRU evaluates cell reselection criteria and determines a neighboring target cell eNodeB to reselect. The WTRU receives and reads master information block (MIB) and system information messages of the neighboring target cell eNodeB, and confirms that the determined neighboring target cell eNodeB is not part of a multimedia broadcast single frequency network (MBSFN). The WTRU identifies the neighboring target cell eNodeB to the serving cell eNodeB. The WTRU then receives and reads MIB messages of the neighboring target cell eNodeB again to determine whether the system information has changed and, if so, the WTRU reads the system information and reselects to the neighboring target cell eNodeB, which provides the wireless communication services.

FIGURE 1A