

ABSTRACT

Embodiments of the present invention disclose a cell measurement method based on frequency point optimization. The method includes: when a cell measurement condition is satisfied, if a current serving cell of a terminal device matches a serving cell in a stored measurement record, measuring cell information of a frequency point corresponding to the highest measurement priority in the measurement record. when the cell measurement condition is satisfied and the current serving cell of the terminal device does not match a serving cell in the measurement record, if the current serving cell is a cell corresponding to the frequency point corresponding to the highest measurement priority in the measurement record, measuring cell information of the frequency point corresponding to the highest measurement priority in the measurement record; and when the cell measurement condition is satisfied and the current serving cell of the terminal device does not match a serving cell in the measurement record, if the current serving cell is a cell corresponding to a specific frequency point, measuring cell information under a frequency point corresponding to a measurement priority to which the specific frequency point belongs. The cell measurement can be optimized; the number of measurement frequency points can be decreased; and the power consumption of the terminal device can be reduced.

Figure 4