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(54) SYSTEM & METHOD FOR IDENTIFICATION AND MITIGATION OF COVERAGE OVERLAP

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(57) **ABSTRACT**

A method includes receiving inputs that include geo-located data collected over a period for a plurality of cells in a radio access network; mapping the geo-located data to one or more polygons displayed through a GUI on a user interface, the interference polygons being layered above a display of a geo-location; determining a dataset of each cell included in each interference polygon displayed through the GUI; determining a total number of user samples included in each interference polygon; determining a number of user samples for each cell included in each interference polygon; in response to a first cell including less than or equal to a first threshold of the total number of user samples, determining whether the first cell is an over-shooter cell; and in response to the first cell including greater than the first threshold of the total number of user samples, determining whether the first cell is misaligned.