

A Note about Mean Values in GSM Cell

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Abstract

In this short paper we consider a cell in the network of mobile users. It is proved that the mean value of distance between a user and a base station and the mean value of emission power to a user are calculated in a different manner. These two values are calculated for three characteristic user density distributions in a cell. In another way defined, the mean value of emission power to a user differs from the emission power to a user positioned on the mean distance from a base station. The results are verified by simulation.

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