

عنوان مقاله:

Using Atoll Radio Planning Software for LTE Radio Planning

محل انتشار:

سومین کنفرانس سراسری نوآوری های اخیر در مهندسی برق و کامپیوتر (سال: 1395)

تعداد صفحات اصل مقاله: 8

نویسندگان:

Rahman Effatpanahi - Dept. of Electrical Engineering, Shahid Beheshti University, Tehran, Iran

Morteza Azarbadegan - Dept. of Electrical Engineering, Iran University of Science and Technology (IUST), Tehran, Iran

خلاصه مقاله:

Long Term Evolution (LTE) is most enhanced Broadband Wireless Access (BWA) technology. LTE is the standard in the mobile network technology tree that previously realized the GSM/EDGE and UMTS/HSPA technologies. LTE is expected to ensure 3GPP's competitive edge over other cellular technologies. As standardization work of LTE is approaching the end line, it's high time to go for efficient radio network planning guideline for LTE. In LTE just like other cellular technologies, initial planning is normally guided by various industries and operators at their own discretion. They aren't likely to open their advancements and findings. As a result, going on with LTE radio network planning perspective is a well-chosen challenge and a certain hot topic in the current research area. In this work, a detailed LTE radio network planning i.e. capacity and coverage analysis has been performed in order to prepare a .radio planning guideline considering possible network implementation in the density in Tehran city

کلمات کلیدی:

LTE, Radio Network Planning, Planning Tool, Coverage Prediction, Traffic Map

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/576577>

