

Testing and evaluating the mobile coverage system in the SUDICO - CT5 building

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Abstract: This study aims to address the issue of mobile coverage quality in the SUDICO – CT5 building, where the mobile network often suffers from weaknesses such as weak signals and interference. The objective of the research is to build a measurement and evaluation system for mobile coverage performance based on a combination of radio technology theory and on-site experimentation. The approach includes deploying measurement equipment, collecting data, and conducting thorough analysis to identify specific challenges and propose improvement solutions. The expected results of the study will contribute to enhancing mobile service quality and optimizing network performance.

Keywords: mobile coverage, SUDICO building - CT5, testing, performance evaluation, radio technology