

UMTS radio network optimization and deployment evaluation for Vinaphone network in Nghia Dung - Ba Dinh - Hanoi area

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Abstract: This topic focuses on optimizing the performance of the UMTS wireless network in the Nghia Dung area, Ba Dinh, Hanoi. The research context is based on the need to improve premium mobile services of Vinaphone. The objective of the topic is to analyze and apply optimization methods to enhance service quality and UMTS network capacity. The method combines theory with experimentation, evaluating effectiveness through practical deployment at the actual site. The expected results will contribute significantly to enhancing mobile network performance in the urban area.

Keywords: UMTS optimization, Vinaphone, Hanoi, Deployment evaluation, Mobile network research