

# **Check and fix errors of Mobifone BTS stations in Thai Nguyen City area.**

**Ho Thi Hai**

**Abstract:** In the context of increasingly popular mobile services, ensuring the stable operation of Base Transceiver Stations (BTS) is a critical issue. This topic focuses on inspecting and troubleshooting faults at Mobifone BTS stations in Thai Nguyen City to improve mobile service quality. The main objective of the study is to identify the causes of incidents, thereby building an automatic monitoring and fault correction system. The implementation method combines theory and experimentation to ensure effectiveness. The expected results of the topic not only improve services for customers but also contribute to enhancing the operational and management capabilities of the network operator.

**Keywords:** Check BTS errors, Mobifone, Thai Nguyen City, automatic monitoring system