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LTE technology is a new technology that supports communication system. This technology has been widely presented in cities and regions of Indonesia. Including, Bandung city. The more data and information access services that users do, the more maintenance of services by the operator is needed. However, sometimes the users feel like the service isn't always good or optimal. That is because there is interference. Therefore it is necessary to do the optimization process.

In this Final Project, optimization of the LTE (Long Term Evolution) network will be carried out in the TDD (Time Division Duplexing) mode of 2300 MHz in the Asia Africa area on the RF side. Measurement of network quality using the Drivetest method with Nemo Handy software and then it will be analyzed using the Nemo Analyze software. The parameters that become the reference for the optimization process consist of the RF part of the network nameed RSRP, SINR and Throughput.

Based on the results of the optimization that has been conducted in this area, RSRP results are obtained with a value of 95 -95 of 52.61% and after optimization, it becomes 82.53%, the value of $SINR \geq 10$ and <20 is 26.52% after optimization is 32.43% and the value of Throughput ≥ 14 is 95, 43% and after optimization, it's 96.22%. With the optimization results, the parameters that are analyzed are in accordance with the applicable operator standards.

Keywords: *Long Term Evolution, TDD (Time Division Duplexing), Optimization, Nemo Analyze*