

ABSTRACT

3GPP LTE (Long Term Evolution) is a form of progress of 3G mobile services that use broadband wireless technology. According to the LTE specification to stream the data up to 100Mbps in the downlink and 50Mbps in the uplink at a frequency of 20MHz. As the WBA (Wide Broadband Access) should be able to serve the triple play. How good is the quality and capacity to implement these technologies. In this final task will be carried out testing and analysis through field studies

In the test will be conducted two aspects, namely the transmission aspects (propagation) and traffic as well as aspects related to QoS (Quality of Service) are produced.

Expected results of testing can find out the suitability of techniques and facts in the field and the results obtained for further implementation of the planning materials.

Key words: Long Term Evolution (LTE), triple play, downlink, uplink, Wireless broadband, Quality of Service