

ABSTRACT

LTE (Long Term Evolution) technology is the latest standart of 4G technology, as a form of GSM (Universal Data Telephone Mobile) / HSDPA (Hight Speed Downlink Packet Access). But 4G technology is currently still commercial so that many testers who have not been able to do research. This study is intended to provide an overview of when the licensed 4G technology will be open source using the OAI platform. In the 4G network development required an eNodeB package to send signals. Testing using laptop hardware and USRP B210. The results of the study showed that the eNodeB packet signal or frequency was successfully sent.

Keywords: OAI, 4G,EnodeB