

## ABSTRACT

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*Use of the internet is now very necessary for various things, in Indonesia has been present 4G network and has reached in various islands in Indonesia. Commercial 4G networks in Indonesia still have licenses in them, so the testers can't do research. The 4G network will be developed into open source using the OAI (Open Air Interface) platform. In the development of 4G cellular network it is required a monitoring to monitor the signal parameter data or 4G OAI frequency of the packet, the monitoring packet is the signal or frequency emitted by eNodeB. The package can be connected or can be monitored with the help of USRP B200 device.*

*Keywords: OAI, 4G, monitoring.*