

ABSTRACT

In writing the finished project this discussed the issue of decoding gsm signals. One of the example development on gsm technological is a SDR (Software Defined Radio) system development. The device that's used to decode of GSM signal called RTL-SDR. RTL-SDR is the usb dvb-t device which used to catch the digital television broadcast. The chipset version is realtek R2832U. This device is not only for catch the digital television signal but this device can be a decode device for radio signal, gsm signal and etc. The purpose of this implementation is for build a decode system for GSM signal. Gsm signals who captured adapted with a frequency that has been set , and then that gsm signal can be translate using the signal decode process. To catch the signal, I'm using the rtl-sdr device and gr-gsm aplications which include on gnuradio software.

Keywords: SDR (Software Defined Radio), RTL-SDR chipset R2832U, GNURadio, gr-gsm.