

ABSTRACT

Development of technology right now are force everything to do quickly and practically, especially for sending voice and image information. For its benefit, many information technology system that use only for limited environment and certain necessity. Radio Transmitter TV device is an information technology system that gives image and voice information for certain distance.

In this Final Project is going to discuss about realizing television transmitting system at channel 4 which use video modulation and frequency modulation technology as image and voice carrier. For its modulation process use IC 1374 as image and voice signal processing. At amplifier side use HPA with output power equal to 5 watt in order to covering certain distance area. In addition to omnidirectional antenna as VHF (100 MHz) frequency transmitter, so it is easy to received by every user with television antenna in certain coverage antennas transmit power. This system can be integrated directly to the computer or camera for television broadcast by video in or audio in.

Hope that this device can be realized at STT Telkom as TV broadcast which use wireless technology and can be used for every its college students to get information quickly.