

ABSTRACT

Technological progress in this time claim completely practice and effectiveness for all information technology, goodness in the form of voice and also picture information. Full duplex video transceiver is representing peripheral of radio communications enabling for transmit and receive process of information signal at the same time. This peripheral exploit technology of video modulation and frequency modulation where is each as picture carrier and voice carrier.

This thesis will study about realization of two video transceiver (transmit and receive video-audio) at channel 3 – 4 PAL-B. At transmit side will deliver picture and voice where this is realised with an IC MC 1374 and at receive side will accept picture and voice which can realised with tuner TV weared at television receivers. Others be used by IC LA7520 as detector VIF (video IF) and SIF (sound IF) from output of the tuner TV, so that will yield video and voice signal which can be interfaced by direct video in and audio in at television receiver.

Expected by this appliance will become appliance of television complement so that the television can functioned as long distance wireless communication medium in a audio- visual manner which are economy and reach for society.