

ABSTRACTION

At this final project will be designed and realized an intruder peripheral which can be exploited as security peripheral. The security peripheral contains of safeguarding appliance from long distance operation, where radiowave is used beam at frequency about 88 into 108 MHz. If the middle frequency and the distance every nail signal are the same of their target signal, the peripheral will work.

The signal analyse in the domain of time and frequency is done to know the transmitted intruder signal pattern. With the same frequency with the other radio broadcaster, is expected the rank of information acceptance by long distance receiver of controller that residing in about this intruder peripheral will be able to prevented or degraded.

The intruder peripheral consist of the generator pulse signal block using astabil multivibrator network as producer of input signal, mixer as up converter, oscillator as producer of carrier signal, Band of Pass Filter as router signal between 88 into 108MHz, lasing of RF broadband (Power Amplifier) as lasing of signal and broadband antenna including 88 into 108 MHz frequency as radiowave transmitter.

Realitation of the transmitter that have been done can jamm the FM broadcast signal for 98,4MHz – 99MHz. The result is the noise can decrease the rank of receive the nearest receiver FM.