

ABSTRACTION

Powerline is a media of transmission that is used to distributed electric power by State Electricity Enterprice (PLN) This media is spread in the whole place in every country. With the considering that all instance had used the electric and need to communicate each other so the electricity line is a media of transmission which very potential if it can be used as a media of communication, because no need to create a new transmission network. By using big enough frequency carrier compared than electricity net frequency (50 Hz) and appropriate modulation technique, so it can be used as a media of data transmission

This final project will analyze the performance of PLC system from it's transmission line side, modulation technique that used and also noise characteristics