

ABSTRACT

System of Cable TV initially represent one way network design that bring canal of analogous video broadcast to some client with expense as low as possible. But along with growth of era and technological progress, hence besides earning to channel sinyal TV, at This Cable TV network also earn to channel data, that is by giving service of fast internet.

After seeing geographical area circumstance from homes site, and the service to be provided, and also sum up prospecting customer, hence backbone from planning of of This Cable TV network planned will use access network full coax with topology of tree and branch, since only by using full coax network, requirement of service area have earned served better.

Planning to be done here is planning of Cable TV network by using access network full coaxial from starting output headend up to tap that go to client. Beside that will not studied.

This planning consisted of some step, that is conduct survey of service area, provided service determination then calculate required bandwidth, determining modelling network, then calculate parameter and performance of the network to determine competent or not to be done.

Since service multimedia require wide bandwidth and digital transmission signal, hence required higher level performance network and the better stability. Therefore the scheme done by relateing at standard which have been determined. Passive peripheral election and determination of level of operational Amplifier become very matter determine. At this planning expected to get good performansi and fulfill standard which have been determined that is above 43 dB for CNR, above 51 dB for CTB,CSO, and XM, and above 40 dB for modulation Hum.