

ABSTRACTION

In the beginning, HFC technology used to give video broadcast serving or known as TV Cable serving (non-IP based). Parallel with development of technology, the capability of that technology can be raised to transmit video broadcast serving and IP-based service as known as cable modem technology.

HFC (Hybrid Fiber Coax) network is combination between coaxial as feeder and fiber optic as backbones.

Since multimedia services need wide bandwidth and digital signal transmission then needed higher level network performance and better stability. Because of that setting up of HFC will be done by reverse to standardization. Choosing passive equipment and determine operational level of Amplifier become important. In this planning hoped to get a good performance and comply the standardization above 43 dB for CNR, above 50 dB for CTB, CSO, and XM, above 40 dB for Hum modulation.