Abstract

As a new access network to the home, Ethernet to the home (ETTH) and fiber to the home (FTTH) has the newest development of multimedia applications in which the end users require more and more bandwidth capacity. The main focus in this paper is to conduct a comparative study between ETTH and FTTH with the help of two parameters, these parameters are critically evaluate to find which technology is most suitable in terms of guided media. Therefore a modeled ETTH and FTTH based networks are deployed over MATLAB for acquiring the desired results through simulation to prove the hypothesis which is provide by the author. In future there is a vast ground for these technologies. The immediate future work is to analyze further parameters like downstream bit rate, upstream bit rate, generated traffic and number of ONU which can be compared to judge the dominancy then to create a design at metropolitan level and carry out a testing phase as an expansion to the current scenario.

References

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Index Terms
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Keywords
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