Abstract

Radio over fiber (RoF) is one of the primary technologies for the provision of future broadband networks. This work is focused to the implementation of cost effective radio over multimode system (Ro-MMF) for long haul communication. A 10 Gbps data along with 10 GHz radio signal is transmitted over multimode fiber link of 40 km. Moreover, the results are also reported for proposed Ro-MMF system by using LG 00, LG 01 & LG 02 modes.

Index Terms

Computer Science

Communications
Keywords

Radio over multimode system (Ro-MMF)  LG modes  Radio over Fiber (RoF)