

Case Study: Throughput Analysis over PLC Infrastructure as Last Mile Residential Solution in Colombia

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Abstract : Powerline Communications (PLC) as last mile solution to provide communication services, has the advantage of transmitting over channels already used for electrical distribution. However these channels have been not designed with this purpose, for that reason telecommunication companies in Colombia want to know how good would be using PLC in costs and network performance in comparison to cable modem or DSL. This paper analyzes PLC throughput for residential complex scenarios using a PLC network scenarios and some statistical results are shown.

Keywords : home network, power line communication, throughput analysis, power factor, cost, last mile solution

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