

ABSTRACT

Communications System of optic fibre represent the communications system using optic fibre as transmission media. There are some parameter of system link of optic fibre like length fibre of optic fibre, damping, energy, energy which bounced, and others. In the parameter measurement used in a measuring instrument of optic fibre that is OTDR (Optical Time Domain Reflectometer), OTDR can evaluate an optic fibre at domain time.

This final project made by a simulator from measuring instrument of OTDR by using matlab software. Simulator to be made by a measurement simulation can assess the damping of fibre optic of single mode where other parameter represent the variable which its value can be assumed and or pursuant to data which there have. From inputan assess the mentioned variable hence will be got by the level of damping and will be got also influence of a variable to damping value by change the variable. Besides getting damping value, will be got also existing variable relation to damping value to be presented in the form of graph.

By making this final project, it's, we can easily calculate the calculation and analyse the damping at one particular fibre optic of single mode without having to do the calculation in manual (theoretical).