

Simulation of FPT's WDM-PON system based on Optisystem in Thai Nguyen City.

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Abstract: This topic focuses on researching and simulating the WDM-PON (Wavelength Division Multiplexing - Passive Optical Network) system deployed by FPT in Thai Nguyen City. Through a combination of theoretical and experimental methods, the objective of the topic is to determine the optimal performance of the optical transmission system and propose improvement solutions. The expected results will provide a scientific basis for the development of WDM-PON technology in Vietnam, contributing to the advancement of broadband telecommunications.

Keywords: WDM-PON, FPT, Thai Nguyen, simulation, performance