

Study Of Rain Attenuation Consequence In Free Space Optic Transmission

Abstract

This paper is to provide the preliminary result and activities of a research program at UNIMAP on rain attenuation in the Perlis region. The project uses the LaserBit product; model LB- 2500 and LB-5000 which can maximum reach 2500m and 5000m with wavelength 785 nm and laser power 70 mW. The result will utilize four existing model rain attenuation and measured data will compared to calculated result to determine the validity of precipitation model and deepen the consequence of rain intensity. As additional to unwavering the measurement, Optisys software has been used to simulate the data to predict the possibility of result

Author Keywords

Optisys; Precipitation model; Rain attenuation; Visibility; Wavelength 785 nm