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<p>(51) International classification :H04B0010112000, H04B0010600000, H04B0010250700, H04B0010079000, F24S0023770000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Ms. Kanchan Singh</b> Address of Applicant :University Polytechnic, IFTM University, Moradabad, Uttar Pradesh - 244102 ----- -</p> <p><b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor : <b>1)Ms. Kanchan Singh</b> Address of Applicant :University Polytechnic, IFTM University, Moradabad, Uttar Pradesh - 244102 ----- <b>2)Dr. Neelu Trivedi</b> Address of Applicant :University Polytechnic, IFTM University, Moradabad, Uttar Pradesh - 244102 ----- <b>3)Ms. Swati Singh</b> Address of Applicant :University Polytechnic, IFTM University, Moradabad, Uttar Pradesh - 244102 ----- <b>4)Ms. Shilpi Pal</b> Address of Applicant :University Polytechnic, IFTM University, Moradabad, Uttar Pradesh - 244102 -----</p>
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(57) Abstract :

The present invention relates to Optical Communication has emerged as viable technology for broadband wireless application that offers potential of high bandwidth capability. In this paper, it deals with the effect of Gaussian noise and turbulence effect, scintillation effect on the transmission line of optical medium using Matlab. Theory analysis and experimental results demonstrate that with same bandwidth used DPSK system has higher sensitivity over OOK and PSK system and this format can reduce the impairment from turbulence induced scintillation and hence is used in major optical system.

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