

EXPERIMENTAL STUDIES OF COHERENT LIGHT
PROPAGATION UNDER MULTIPLE SCATTERING
CONDITIONS

O.I. Barchuk, A.A. Goloborodko, V.N. Kurashov

Taras Shevchenko Kyiv National University,
Faculty of Radiophysics
(6, Academician Glushkov Ave., Kyiv 03022, Ukraine)

S u m m a r y

Light scattering in the model where a layered medium is presented by a certain number of interfaces has been studied. The characteristics of vector fields after their transmission through every interface between media with different refractive indices have been calculated numerically. The results of calculations are in good agreement with experimentally measured dependences.