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FLUCTUATIONS OF SUBMILLIMETER RADIO WAVES

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Summary

The problem of plane monochromatic wave propagation of the submillimeter waverange in the ground layer of turbulent atmosphere is considered in the approximation of the smooth perturbation method and the correlations for the intensity fluctuations in the presence of absorption are obtained. The attenuation effect of the intensity fluctuations in the

presence of absorption is found out.

The method, the apparatus and the results of the level fluctuation measurements of the accepted signals at the range of 0,86-0,99 are described. The comparison of the experimental and theoretical data are given.