

Abstracts

Space Diversity and Polarisation Diversity Enhance the Performance of a 5.8GHz Radio Link for Traffic Management Systems

A. Schrei. "Space Diversity and Polarisation Diversity Enhance the Performance of a 5.8GHz Radio Link for Traffic Management Systems." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 757-760.

A suitable transmission medium for future individual traffic management systems is the short range system with a radio link operating at 5.8 GHz. In multipath fading channels reflected waves may produce interferences in the communication. In this paper, space diversity and polarization diversity are discussed as a solution to meet these problems. Investigations are based on a statistical channel model. This model is an extension of a deterministic model, which is already confirmed by measurements.

[Return to main document.](#)