Abstract

This paper presents a procedure to estimate the spatial diversity in electromagnetic environments of multipaths, using an antenna of two elements (combination dipole hoop-capacitor). The spatial diversity is determined from the angle of incidence of electromagnetic signals arriving at the antenna and from correlation coefficients. This angle also allows to identify the components of the electromagnetic field, which shows that the two elements antenna is a useful tool to analyze multipaths, which is tested experimentally.

Keywords

Multipaths, spatial diversity, angle of incidence.