

Mobile Radio Channel Impulse Response: Measurements And Interpretations

Sheikh, A.U.H. Hau, S.F.;Dept. of Electr. Eng., King Fahd Univ. of Pet.Miner., Dhahran;
**Multi Topic Conference, 2001. IEEE INMIC 2001. Technology for the 21st Century.
Proceedings. IEEE International;Publication Date: 2001;ISBN: 0-7803-7406-1**
King Fahd University of Petroleum & Minerals

<http://www.kfupm.edu.sa>

Summary

An impulse response measurement campaign was undertaken at 1.8 GHz in Hong Kong. This paper presents a selection of measurement results. A pseudorandom sequence clocked at 30 MHz occupying an RF bandwidth of 60 MHz was used as a probing signal. The results taken at a selected location are analyzed for CIR parameters like delay spread, average delay and significant number of paths. An attempt has been made to relate the measured data to the geometry of environmental features surrounding the transmitter and the receiver.

For pre-prints please write to:abstracts@kfupm.edu.sa