

Radio-wave Propagation Modeling for Broadband Wireless Communications

by

Christopher L. Holloway
NIST

U.S. Department of Commerce, Boulder Laboratories
325 Broadway
Boulder, CO 80305
Phone: 303-497-6184

Email: holloway@boulder.nist.gov

Abstract:

In recent years the wireless communication industry has experienced unprecedented growth. The desire for information and ever-larger bandwidths has spawned inordinate growth in this industry. A large portion of the growth is in wireless communication products and is due to the demand for mobility. In order to design new systems it is very importance to understand and model the electromagnetic environment that systems are immersed in. In this talk an overview of radio-wave propagation issues is presented.