A Deterministic Ultra Wideband Channel Modeling
Timed Simulator for UWB Communication System
Generalized Fading Channel Model with Application to UWB
Measurement Results and Modeling Aspects for the UWB Radio Channel
Subnanosecond UWB Channel Sounding in Frequency and Temporal Domain
Pulse Spectrum Optimization for Ultra-Wideband Communication
M-ary UWB System Using Walsh Codes
On Designing the Optimal Template Waveform for UWB Impulse Radio in the Presence of Multipath
Multiple Pulse Generator for Ultra-Wideband Communication using Hermite Polynomial Based Orthogonal Pulses
High Performance Ultra-Wide Bandwidth Systems via Novel Pulse Shaping and Frequency Domain Processing
A Statistical Path Loss Model for In-Home UWB Channels
Spatial Correlation of UWB Signals in a Home Environment
Autoregressive Modeling of an Indoor UWB Channel
Ultra Wideband Indoor Radio Channel Models: Preliminary Results
A Statistical Model for the Small-Scale Multipath Fading Characteristics of Ultra Wideband Indoor Channel
The Performance of a Direct-Sequence Spread Ultra-Wideband System in the Presence of Multipath, Narrowband Interference, and Multiuser Interference
Delay Hopped Transmitted Reference Experimental Results
Acquisition Performance of an Ultra Wide-band Communications System over a Multiple-Access Fading Channel
Rapid Acquisition of Ultra-Wideband Signals in the Dense Multipath Channel
Optimizing the Transmit Energy in UWB Multiple Access Communications in Multipath Fading Channels
PulsON Second Generation Timing Chip; Enabling UWB Through Precise Timing
Integrated GPS and UWB Navigation System
Recent Advances in Ultra Wideband Communications Systems
Assessment of Stator Winding Insulation Degradation in Large Generator by Ultra-Wide Band PD Detection
Home Entertainment Network: Combination of IEEE 1394 and Ultra Wideband Solutions

Ultra-Wideband Precision Asset Location System
Multiple Access Capacity for Ultra-Wide Band Radio and Multi-Antenna Receivers
On the Validity of Gaussian Approximation to Characterize the Multiuser Capacity of UWB TH PPM
Multiuser Receivers for DS-CDMA UWB
Application of Multi-User Detection Techniques to Impulse Radio Time Hopping Multiple Access Systems
Multi-User Capacity of M-ary PPM Ultra-Wideband Communications
Subsurface Radar Examination of an Airstrip
An Ultra Wideband Radar for Micro Air Vehicle Applications
Detection of UWB Signals Reflected from Complex Targets
Future of Radars

Ultra Wideband Radar Systems: Advantages and Disadvantages

Development of an Ultra-Wideband Radar System for Vehicle Detection at Railway Crossings

Performance of Autocorrelation Receivers for Ultra-Wideband Communications with PPM in Multipath Channels

UWB Ad-Hoc Networks

A Multi-Access Scheme for UWB Radio Using Pseudo-Chaotic Time Hopping

On the BER Performance of Pulse-Position-Modulation UWB Radio in Multipath Channels

Space-Time Coding for Impulse Radio

On the Power Spectral Density of Time-Hopping Impulse Radio

Rapid Acquisition for Ultra-Wideband Localizers

The Effects of Timing Jitter on the Performance of Impulse Radio

Simulation Analysis and Performance Evaluation of an UWB System in Indoor Multipath Channel

An Interference Suppressing OFDM System for Ultra Wide Bandwidth Radio Channels

Delay-Hopped Transmitted-Reference RF Communications

Multi-User Perspectives in UWB Communications Networks

Impulse Radio Multiple Access through ISI Channels with Multistage Block-Spreading

Multipath Diversity Reception of Wireless Multiple Access Time-Hopping Digital Impulse Radio

On the Performance of UWB and DS-Spread Spectrum Communication Systems

Radio Frequency Interference Issues in Impulse Radio Multiple Access Communication Systems

A Novel Approach to In-Band Interference Mitigation in Ultra Wide Band radio Systems

Narrow-Band Interference Suppression in Time-Hopping Impulse-Radio Systems

An Insight into UWB Interference from a Shot Noise Perspective

Ultra Wideband Interference Effects on an Amateur Radio Receiver

On the UWB System Performance Studies in AWGN Channel with Interference in UMTS Band

Polarization Characteristics of Resistively Loaded Orthogonal Dipoles Excited by Ultrawideband Signals

The Low Dispersion Coaxial Cavity as an Ultra Wideband Antenna

Recent Progress in Impulse Radiating Antennas

Matlab-Based Simulation of a Slot Antenna for Pulse Radiation

Features of Ultra-Wideband Signals’ Radiation

Radiation Efficiency of UWB Antennas

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.