Overview

Bob Johnk, Project Leader, Propagation Model Validation

ISART Workshop on Best Measurement Practices
July 26, 2018

Institute for Telecommunication Sciences (NTIA/ITS)
325 Broadway St
Boulder, Colorado USA 80305
Contact: rjohnk@ntia.doc.gov
Workshop Overview

Purpose: To showcase propagation measurements research that has been done at the Boulder Commerce Laboratories

• Making better measurements-best practices
• How to verify and make sure we are performing good measurements

and...

• What can go wrong with our data if we are not careful how we perform measurements
Part I: The Talks

1. Propagation Measurement Systems
   Bob Johnk (NTIA/ITS), Jeanne Quimby (NIST-CTL), and Erik Hill (NTIA/ITS)

2. Mobile Channel Best Measurement Practices
   Chriss Hammerschmidt and Anna Paulson (NTIA/ITS)

3. Precision Channel Sounder Verification
   Jeanne Quimby (NIST-CTL)

4. Mobile Channel Screening Measurements
   Mark McFarland (NTIA/ITS)

5. Propagation Measurement Pathologies
   Bob Johnk (NTIA/ITS)
Part II: The Demos

1. Short-range indoor CW propagation measurement
   Bob Johnk, Chriss Hammerschmidt, Erik Hill (NTIA/ITS)

2. How nonlinearities in an amplifier can cause anger, frustration, insecurity, sleepless nights, ruined marriages, and hateful children
   Bob Johnk, Chriss Hammerschmidt, Erik Hill (NTIA/ITS)

3. A Channel Sounder Verification Box
   Jeanne Quimby (NIST-CTL)