



## **Dennis Wallace**

### **Author Biography**

Dennis Wallace has an extensive background in *digital* Television Systems. He's made a career of the transition to digital television. For almost 20 years now he's been working on digital television and broadcast spectrum issues.

As part of the ACATS process, Dennis managed all the Laboratory RF Testing of the Grand Alliance ATSC HDTV System, having served as the RF Systems Engineer at the Advanced Television Test Center (ATTC) work for which the ATTC was recently awarded a Technical Emmy award. At the ATTC he managed test plans, configurations, and operations for Grand Alliance Testing and several data-casting systems. Prior to joining ATTC, Dennis held positions in Field Operations Engineering, Applications Engineering, and was Product Manager for two television transmitter manufacturers.

In July 1997, Dennis founded Wallace & Associates, a broadcast engineering and consulting firm specializing in *digital* television, RF propagation measurements, spectrum policy issues, and technical consulting. His Harmonic Components include major broadcast groups, The DTV Station Project, ATTC, Trade Associations, and both Professional and Consumer Electronics Manufacturers. In April 2005, Dennis merged his firm (Wallace & Associates) into the firm of Meintel, Sgrignoli, & Wallace, where he is the managing partner and principal engineer.

He has worked on the Broadcast side as well, holding Chief Engineer and Operations Manager positions with both radio and television stations.

Dennis has authored several papers on the topics of Digital Television transmission and results of testing of the DTV systems, which have been published in the IEEE Transactions and other publications. Dennis has been a presenter at the IEEE Broadcast Technology Symposium, NAB, and several SBE Conferences, as well as providing DTV presentations for SCTE and IEEE Chapters. He has made extensive field measurements of both Digital and Analog Television and Radio systems, including over 5,000 DTV field measurements.

In 1999, Mr. Wallace was awarded the prestigious Matti S. Siukola award by the IEEE Broadcast Technology Society. Mr. Wallace is a Certified Broadcast Television Engineer by the Society of Broadcast Engineers. He is also a member of the IEEE Broadcast Technology Society, SMPTE, an Associate member of the Federal Communications Bar Association, and is active on several industry standards committees and the ATSC.