

New Developments in MM-Wave and THz; Markets, Technologies, and Measurements

Abstract

This presentation will describe the latest trends involving MM-Wave and THz frequency ranges. A brief survey of the market dynamics driving moves to higher frequencies will be discussed. This will be followed by a survey of some of the technologies being deployed. The paper will conclude with some discussion of measurement challenges and solutions at these frequency ranges. A case study of advanced E-Band measurements will be included.

Presenter Biography

Henri Komrij is the general manager of the Performance Network Analyzer (PNA) organization at Agilent Technologies, Inc., Component Test Division (CTD.) He has held the general manager position since 2012. Komrij leads the PNA organization and holds overall business responsibility. He is a member of CTD's senior staff.

Henri started his career in Hewlett-Packard's Microwave Technology Center in 1983. Two years later he joined the Network Measurement Division (NMD) as an applications engineer. Subsequently, he was named European product line manager based in Amsterdam from 1988 until 1991 when he was appointed as worldwide sales manager for the Santa Rosa Systems Division (SRSD). At SRSD, Henri led application and marketing efforts in component test, defense systems, signal generation, microwave switching, IC test, EMC test, signal monitoring, and phase noise measurements. Named marketing manager in 1995, Komrij led SRSD's aerospace and defense business until 1999 when he was promoted to senior marketing manager of Agilent Technologies Component Test Division (CTD).

As Marketing Manager for CTD, Henri led sales and customer support teams, sales development teams, and product management activities for component test solutions. In 2004, Henri became the CTD senior R&D manager where he led all product development activities including product planning, project management, and technology development.

Henri holds a B.S. in Electrical Engineering from UCLA and a M.B.A. from Golden Gate University in San Francisco. Henri also completed an executive education course at Harvard University Business School. Henri is a native of Northern California where he currently resides.