Keynote Talk

The Evolution of CDMA Wireless Devices Based on Advanced Chip Sets and BREW

Dr. Irwin Mark Jacobs
Chairman of the Board and Chief Executive Officer
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I. M. Jacobs

Dr. Irwin Mark Jacobs is co-founder, chairman and CEO of QUALCOMM Incorporated, pioneer and world leader of Code Division Multiple Access (CDMA) digital wireless technology. Dr. Jacobs has led the commercialization of CDMA technology and its success as the world's fastest-growing, most advanced voice and data wireless communications technology. Now used by tens of millions of consumers worldwide, CDMA is the technology of choice for third-generation wireless communications services.

Dr. Jacobs holds several CDMA patents, contributing to QUALCOMM's extensive portfolio of more than 2,300 issued and pending U.S. patent applications. More than 100 companies have licensed CDMA for the manufacturing of wireless devices and network infrastructure equipment, integrated circuits and test equipment.

Dr. Jacobs previously served as co-founder, president, chairman and CEO of LINKABIT Corporation, directing its growth from a few part-time employees in 1969 to over 1,400 employees in 1985, and first introduction of Ku-band Very Small Aperature Earth Terminals (VSATs), commercial TDMA wireless phones, and the VideoCipher (R) satellite-to-home TV system. LINKABIT merged with M/A-COM in August 1980, at which time Dr. Jacobs served on the company's board of directors until he resigned from M/A-COM in April 1985. Over 35 San Diego communications companies trace their roots back to LINKABIT.

From 1959 to 1966, Dr. Jacobs was an assistant/associate professor of electrical engineering at Massachusetts Institute of Technology (MIT). From 1966 to 1972 he served as a professor of computer science and engineering at the University of California, San Diego (UCSD). At MIT, Dr. Jacobs co-authored a basic textbook in digital communications entitled, Principles of Communication Engineering. First published in 1965, the book remains in use today.

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