



Microwave Transmission Networks, Second Edition (Electronics)

By Harvey Lehpamer

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Up-to-Date Coverage of Microwave Transmission Networks

Fully revised for the latest North American and ITU standards, *Microwave Transmission Networks, Second Edition* covers all stages of terrestrial point-to-point microwave network build-out, from planning and feasibility studies to system deployment and testing. This definitive volume is thoroughly updated with new information, including details on the impact of Ethernet and IP communications on microwave links. Useful formulas for solving microwave design-related problems are contained in this practical resource.

Find out how to:

- Plan, design, and build microwave point-to-point networks
- Determine network capacity, dimensions, architecture, budget, schedules, and work force requirements
- Understand microwave link engineering
- Calculate loss/attenuation, fading and fade margins, and link quality and availability
- Perform interference analysis
- Determine, procure, and install required hardware and power systems
- Manage the microwave project and its regulatory issues, ethical dilemmas, logistical concerns, and organizational challenges
- Test the microwave system throughout every stage of development and deployment
- Handle maintenance, troubleshooting, and upgrades

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Editorial Review

About the Author

Harvey Lehpamer is owner and principal engineer of HL Telecom Consulting. He has nearly 30 years of experience in the planning, design, and deployment of wireless and wireline networks including microwave, fiber-optic, and other telecommunications systems in the U.S., Europe, Canada, and other countries. Lehpamer has worked at Ericsson Wireless Communications, Qualcomm Inc., Clearnet Inc., and Lucas Aerospace Inc., Microwave Technologies Division.

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