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Already deployed in over 42 countries, WiMAX is quickly becoming one of the most important technologies for IP-based high-speed communications. This practical book delivers a solid understanding of WiMAX technology and RF network planning and deployment techniques without undue mathematical rigors. Engineers find numerous examples and real-world case studies that illustrate the evolution of the design process. The book provides hands-on details on essential considerations and important aspects of the technology, from link budget, communication channel characterization, and capacity, to frequency planning, channel impairments and point-to-point link design. Practitioners also find in-depth discussions on WiMAX security and how WiMAX complements other technologies.

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Bibliography

- Sales Rank: #5210528 in Books
- Brand: Brand: Artech House
- Published on: 2009-02-28
- Original language: English
- Number of items: 1
- Dimensions: 9.20" h x .90" w x 6.20" l, 1.30 pounds
- Binding: Hardcover
- 265 pages



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Editorial Review

About the Author

Zerihun Abate is a wireless communications consultant with over 15 years of industry experience. He holds a B.S. and an M.S. in electrical and computer engineering from George Mason University.

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