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Understanding Wireless

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Preface

Teracom's *Understanding Wireless* is a comprehensive, up-to-date course on today's essential wireless technologies, designed for those who need to get up to speed, sort out buzzwords, jargon, technologies, learn practical implementation tips… and for anyone wanting to improve their career- and productivity-enhancing knowledge base.

In two days, we will cover:

- Radio fundamentals: analog vs. digital, spectrum and bands, interference
- Wireless LANs:
  - Concepts, standards, equipment, installation, performance and security
- Other wireless technologies, including Bluetooth and satellite internet
- Mobile communications:
  - Mobility, handoffs, registration, first generation analog cellular, 2G digital PCS
  - CDMA: how it works, why it's called spread spectrum, how it compares to TDMA/GSM
- 3G, competing technologies: cdma2000 and UMTS/W-CDMA
- 4G and LTE

and more... in plain English.

Our goal is to explain the underlying concepts, providing you with a practical understanding of technologies without bogging down on details. In addition, the workbook includes extra reference material, and is intended to be a valuable resource for years to come.

Let's get started!

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