

Big Pipes—The Global Market for Cellular/WiMAX Backhaul

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Report Summary

Cellular backhaul provides that crucial link between the mobile operator's radio access network and its core network. The importance of the backhaul has gotten renewed attention as operators plan for a more data intensive network. The old voice-based solutions will not work with data-centric networks. This problem was well publicized when Sprint blamed delays in its Baltimore WiMAX network on getting backhaul with adequate bandwidth. This report looks at the cellular and WiMAX backhaul market.

This report includes the following:

- Brief overviews of key market vendors, including their strengths and weaknesses.
- Overview of key market activities.
- Five-year forecasts for cellular backhaul last mile capacity.
- Capacity forecast at the air interface level—GSM, CDMA, HSPA, and LTE.
- Five-year capacity forecasts for TDM and Ethernet in the cellular backhaul last mile.
- Five-year capacity forecasts for copper/fiber and microwave in the cellular backhaul last mile.
- All cellular forecasts broken out into six regions: North America, Asia/Pacific, Latin/South America Caribbean, Western Europe, Eastern Europe, and Middle East/Africa.
- Five-year capacity forecast for the WiMAX backhaul last mile.

HIGHLIGHTS

- By the end of 2011, Ethernet backhaul capacity will be greater than TDM.
- Backhaul network capacity will more than triple between 2009 and 2013.
- Outside of North America, most backhaul will be done with microwave.

For more information or to purchase, see the [report online](#) or call 1.480.483.4441.

Companies Mentioned in this Report

- AdTran
- ADVA Optical Networking
- Alcatel-Lucent
- AT&T
- BridgeWave Communications
- Ceragon Networks
- Clearwire
- Cisco
- DragonWave
- Ericsson
- Exalt Communications
- Fibertower
- Harris Stratex Networks
- Motorola
- Nera Networks
- Nokia Siemens
- Radwin
- Tellabs
- Verizon

Who Will be Interested in This Report?

- Infrastructure vendors

What Questions Does This Report Answer?

- What are the capacity demands in the last mile of the cellular and WiMAX backhaul networks?
- How much capacity will be transported by Ethernet versus TDM?
- When will Ethernet over take TDM in the last mile?
- How much capacity will be transported over microwave versus copper/fiber?
- Regional forecasts of the information above?

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