

# Accelerate the Performance of Next-Generation Networks with Agilent's Wireless Network Services



**Engineering managers at wireless service providers and network equipment manufacturers dream of seamless networks – always on.**

At Agilent Technologies, we accelerate the performance of next-generation networks by providing technology solutions and services for people like you who make wireless dreams real. We are a leading provider of components, test, measurement, monitoring and management solutions for the wireless communications industry.

Agilent's global wireless network consultants and trainers offer over 80 years of combined RF and fixed network design experience and knowledge to speed your time to market, improve your

competitive position, and boost your profitability. Our broad range of consulting, benchmarking, and training services, coupled with our innovative solutions, support all of your network needs from the planning and design phase to network deployment, optimization and management of your wireless networks. We provide consulting and training for all major and emerging wireless technologies worldwide including GSM, GPRS, UMTS, iDEN, CDMA, cdma2000, JCDMA, WCDMA, TDMA, and AMPS.



**Agilent Technologies**

## Network planning and design consulting services

Whether you're transitioning to a new technology or expanding your network's existing technology, our network design experts can help design the highest quality and most cost-effective networks available to meet your new and growing needs. Agilent's global RF and fixed network design consultants provide turnkey design and growth planning services to help increase your profitability and reduce deployment costs.

Our Wizard planning and design software is used to design and optimize wireless networks. Wizard allows us to simulate a network and model different subscriber usage for 2G and 3G, so we can test your network's design and detect optimization problems before your network goes live. Combining our experience with our high precision design solutions ensures complete and reliable network performance at system build out.

Our RF and fixed network design services for network planning and design include:

### RF design services

- turnkey design services and growth planning
- technology transition planning
- site selection and validation
- in-building design

### Fixed network design

- transport and interconnect design
- capacity and bandwidth analysis
- traffic and number planning
- least-cost routing solutions

## Network deployment consulting services

Building out your network puts a strain on your staff, schedules and budget. Agilent's deployment experts can provide comprehensive project management and implementation services for your network build out, including RF and transport network design, circuit and equipment ordering, and implementation.

Our suite of RF and fixed network design services allow you to complete your network deployment on time and within budget.

### RF design services

- site validation
- RF propagation studies
- system optimization
- regulatory filings and support
- drive test services

### Fixed network design

- project management for all facility installations
- order processing
- track, test and turn up of transport network
- database tracking and documentation of network



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wireless network services  
**dreams made real**

## Network optimization and management consulting services

Keeping your network operating at the highest level of quality and efficiency maintains your competitive edge and increases profitability. Our optimization and management services provide comprehensive quality improvement programs and competitive benchmarking services to improve your network's performance and increase your market share. Agilent offers solutions to isolate problems and maximize your network's performance by drive testing, optimizing and analyzing every segment of your network.

The Agilent wireless network optimization platform is used to obtain RF coverage and service performance measurements. From a full-scale competitive survey to a detailed call failure analysis, Agilent focuses on providing you with the essential information required for keeping your network on top of the competition and financially sound.

### RF design services

- network quality improvement program
- traffic studies and system growth planning
- network optimization and performance testing for all technologies
- automatic frequency planning
- emergency location services compliance

### Fixed network design

- transport network auditing
- optimization of transport and interconnect routing
- technology transition management
- billing analysis

### Competitive benchmarking services

- measures call quality of all wireless networks operating in the same area
- objective, independent and standardized engineering reports
- performance compared against global, regional and market references
- engineering parameters measured and geographically mapped

## Wireless technology training

Agilent's wireless technical training provides wireless engineering classes that are ISO-9001 certified. Our certificate series offers IEEE recognized continuing education units and are developed and taught by our experienced consulting staff. Our courses give your team the theoretical and practical insight needed to effectively engineer your wireless network. Stand-alone modular units allow for customized curriculum and flexible venues which can be delivered at Agilent locations or at client sites worldwide.

We offer a complete curriculum of in-depth wireless technical training ranging from introductory overview courses to advanced engineering theory and process courses.

### Wireless technology classes

- training for 2, 2.5, and 3G access technologies
- basic and advanced RF design theory and practices
- product and software training
- flexible venue and schedule



## Additional Agilent literature

### Network planning and design

*Wizard Wireless Network Planning Tool*,  
Product Overview,  
literature number 5988-0245EN

### Base station installation and maintenance

*Base Station Test Solution*, Product Overview,  
literature number 5980-2127E

### Network optimization and management

*Network Optimization and Management*,  
Brochure, literature number 5980-0216E

*E6474A Wireless Network Optimization  
Platform*, Product Overview,  
literature number 5988-3558EN

*Agilent Wireless Data Measurement*,  
Product Overview,  
literature number 5980-2310E

### Wireless network solutions

*Accelerate cdma2000 Performance with  
Agilent's Wireless Network Solutions*,  
Brochure, literature number 5988-4423EN

*End-to-End Solutions and Services for  
Wireless Networks*, Brochure,  
literature number 5980-2863EN

## For more information

Call your local Agilent sales representative to learn how Agilent can improve your competitive position and increase your profitability or visit our Web site at **[www.agilent.com/find/networkservices](http://www.agilent.com/find/networkservices)** for the latest news or to view additional literature.

## Agilent Technologies Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

### Our Promise

Our Promise means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many self-help tools are available.

### Your Advantage

Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional engineering services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

By internet, phone, or fax, get assistance with all your test and measurement needs

## Online assistance:

**[www.agilent.com/find/assist](http://www.agilent.com/find/assist)**

Phone or Fax

**United States:** (tel) 1-800-452-4844

**Canada:** (tel) 1-877-894-4414  
(fax) (905)-282-6495

**China:** (tel) 800-810-0189  
(fax) 1-0800-650-0121

**Europe:** (tel) (31 20)-547-2323  
(fax) (31 20)-547-2390

**Japan:** (tel) (81)-426-56-7832  
(fax) (81)-426-56-7840

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