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Testing Applications for Mobile Terminal with Built-in Communications Module
for W-CDMA/HSDPA/HSUPA, GSM/GPRS/EGPRS, CDMA2000 1X/1xEV-DO Rev. A

Efficient Development of Communications Module Applications

The worldwide explosive growth in mobile telephone use is driving high-speed packet communications, which in turn is seeing the appearance of a wide variety of products using small communications modules. The all-in-one MD8470A Signalling Tester simulates the world's major mobile communications networks and provides ideal environment for efficient development of module applications.

Signalling Tester MD8470A

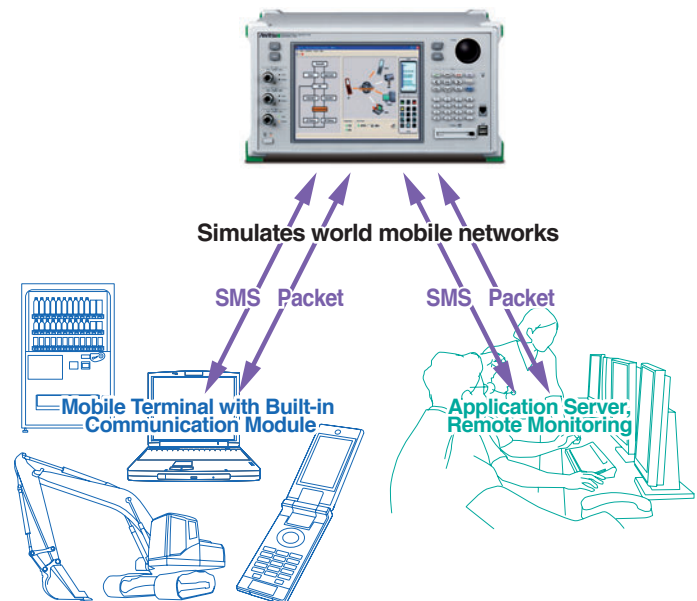## Support Packet Communications and SMS Messaging with Easy Operation

An easy-to-use GUI supports packet communications and SMS messaging with communications modules, allowing benchtop simulations ranging from SMS service operations to data collection. In addition, since both SMS continuous sending and SMS sending during packet communications are possible, application operations can be evaluated easily using stress/load tests and competitive service tests that are hard to perform on an actual network.

Test Functions
- Voice calls
- Packet communication
- SMS (binary/text), MMS
- Continuous sending of multiple SMS
- Service interruption (incoming SMS during packet data)

Example of Mobile Terminal with Built-in Communications Module
- Remote monitoring systems
  (Transport, Fuel consumption, Delivery control)
  - Commercial vehicles
  - Industrial machinery
  - Construction machine
  - Vending machines
  - Utility meters
- Security systems (GPS, Crisis management)
  - Children's mobile
  - Crime prevention
  - Security systems
- Handy terminals (Payment system, Time cards)
  - Inventory control
  - Electric money
  - Time records
- Contents distribution
- Laptop PCs, PDAs, Mobile UEs
- Car navigation systems, Telematics equipment

Simulates world mobile networks

SMS Packet   SMS Packet

Mobile Terminal with Built-in Communication Module

Application Server, Remote Monitoring

Simple Test Environment Enabling Effective Troubleshooting

The MD8470A Signalling Tester is a Windows XP-based, base-station simulator with built-in HTTP proxy and FTP servers, supporting data communications, web browsing, and throughput testing just with a single unit. MD8470A also captures a log of communication between the communication module and simulated network. The logging capability enables effective troubleshooting of communication related issues.

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