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News Release

Client Contact:
Katherine Van Diepen
Director, Marketing Communications
Anritsu Company
408.778.2000 ext. 4550
Katherine.vandiepen@anritsu.com

Agency Contact:
Patrick Brightman
SGW
973.263.5475
pbrightman@sgw.com

Anritsu Company Introduces WCDMA/HSDPA Modulation Quality Measurements for its High Performance Signal Analyzer

— Option Gives Digital Mobile Radio Base Station Developers a Comprehensive, Easy-to-Use Solution for WCDMA/HSDPA RF and Modulation Quality Measurements —

Morgan Hill, CA (**For Release Feb 13, 2006**) – Anritsu Company introduces a WCDMA/HSDPA Modulation Quality Measurements option for its MS2781A Signature™ High Performance Signal Analyzer. When the option is combined with Signature's high-performance signal analysis capability, the result is a comprehensive suite of measurements for developers of WCDMA/HSDPA base stations, and related sub-systems (e.g., power amplifiers) at both the development and production stages. Signature is part of Anritsu's portfolio of test solutions for digital mobile communications.

Version 3.0 for Signature

The new option is part of the latest 3.0 version software enhancements to the groundbreaking Signature signal analyzer that has redefined the high-end signal analyzer market. Its advanced receiver architecture provides exceptional performance over the 100 Hz to 8 GHz frequency range. Amplitude accuracy is better than 0.65 dB, intermodulation distortion (TOI) +27 dBm, and Displayed Average Noise Level (DANL) is better than -157 dBm with 0.1 Hz BW. Demodulation bandwidth of up to 50 MHz supports capture and analysis of wideband digital modulation.

Modulation Measurements

With the WCDMA/HSDPA option installed, Signature supports a comprehensive set of measurements specified by the Third-Generation Partnership Project (3GPP). For a complete list of WCDMA/HSDPA measurements, please refer to Table 1.

(more)

Ease of Use

Signature's Windows XP user interface makes it much easier to test the complex WCDMA/HSDPA technology and reduces mistakes. For example, familiar dialogs simplify measurement selection, and menus are optimized for touch screen operation with single-click activation. A rich set of graph capabilities supports quick viewing of results. The intuitive "Graph Type" dialog allows multiple measurement windows, for full analysis of measured data.

MATLAB Compatibility

Signature's open Microsoft Windows® environment provides unmatched ease-of-use and supports a seamless interface to MATLAB® from The MathWorks. Designers of software defined radios (SDRs) or radios with new or unique modulation techniques can view live measurement results, post-processed by MATLAB.

Price and Availability

The MS2781A Option 30, WCDMA/HSDPA Modulation Quality Measurements is available in 8 to 10 weeks ARO.

About Anritsu

Anritsu Company (www.us.anritsu.com) is the American subsidiary of Anritsu Corporation, a global provider of innovative communications test and measurement solutions for more than 110 years. With its recent acquisition of NetTest, Anritsu provides solutions for existing and next-generation wired and wireless communication systems and operators. Anritsu products include wireless, optical, microwave/RF, and digital instruments as well as operations support systems for R&D, manufacturing, installation, and maintenance. Anritsu also provides precision microwave/RF components, optical devices, and high-speed electrical devices for communication products and systems. With offices throughout the world, Anritsu sells in over 90 countries with approximately 4,000 employees.

For more information, please visit www.us.anritsu.com.

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Table 1

Comprehensive WCDMA and HSDPA Measurements

	QPSK	Composite	Single-Code	Single-Code Compressed Mode
Modulation Measurements				
EVM (RMS, Peak, and Peak Position)	✓	✓	✓	✓
Magnitude & Phase Error	✓	✓	✓	✓
IQ Offset	✓	✓	✓	✓
Frequency Error	✓	✓	✓	✓
Scramble Code (automatically determined)	N/A	✓	✓	✓
Channel Power (with or without RRC filtering)	✓	✓	✓	✓
Primary, Secondary, and Total Sync Channel (SCH) Power	N/A	✓	✓	✓
Peak Code-Domain Error (PCDE)	N/A	✓	✓	✓
Bitstream	N/A	N/A	✓	✓
Modulation Graphs				
Constellation	✓	✓	✓	✓
Vector Diagrams	✓	✓	✓	✓
Power vs. Time	✓	✓	✓	✓
EVM versus Time	✓	✓	✓	✓
Magnitude Error versus Time	✓	✓	✓	✓
Phase Error versus Time	✓	✓	✓	✓
Eye Diagrams	✓	✓	✓	✓

Code-Domain Graphs	Graph	Zoom	Table
Code-Domain Power	✓	✓	✓
Code-Domain Error	✓	✓	✓

RF Measurements

Channel Power
ACLR
Multi-carrier Channel Power
Occupied Bandwidth

N/A: Not Applicable

✓: Included