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PRESS RELEASE

Trade News: Agilent Technologies, Alcatel-Lucent, Runcom Technologies to Demonstrate MIMO WiMAX(TM) Transmission at European Nanoelectronics Forum

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RIO DE JANEIRO, December 3, 2008 /PRNewswire via COMTEX/ -- Agilent Technologies Inc. (<http://www.home.agilent.com/agilent/home.jsp?cc=US&lc=eng&cmpid=4533>) (A: 18.20, +0.56, +3.2%) today announced that, with Alcatel-Lucent and Runcom Technologies Ltd., it will demonstrate MIMO WiMAX transmission at the European Nanoelectronics Forum 2008 in Paris, Dec. 2-3.

This demonstration is a result of these companies' collaboration on the MEDEA+ MIMOWA project ([http://www.medeaplus.org/web/downloads/profiles/2A103-MIMOWA-profile-out-MEDEA+%20\(23-10-08\).pdf](http://www.medeaplus.org/web/downloads/profiles/2A103-MIMOWA-profile-out-MEDEA+%20(23-10-08).pdf)) (Due to the length of this URL, it may be necessary to copy and paste this hyperlink into your Internet browser's URL address field. Remove the space if one exists.) MEDEA+ 2A103 MIMOWA aims to simulate, implement, validate and evaluate wireless MIMO (Multiple Input Multiple Output) building blocks (IP, silicon and FPGA content) for cellular 3G, LTE (Long Term Evolution), WiMAX (fixed and mobile) and Wi-Fi air interfaces.

The MIMO WiMAX transmission demonstration will show how the wireless MIMO system can accommodate various link conditions. The system setup includes an Alcatel-Lucent base station and a Runcom Technologies user terminal, and is equipped with two transmit antennas and two receive antennas, respectively. Agilent will provide the test systems.

The demonstration will include two operational modes: Space Time Block Coding (STBC), also known as "Matrix A," and the Spatial Multiplexing scheme (SM), also known as "Matrix B." While STBC is more robust in bad link conditions, SM provides a higher throughput. The demonstration will display the differences between these two modes and the dynamic switching between them depending on the varying link conditions.

Agilent Laboratories, the central research organization of Agilent Technologies, leads the MEDEA+ 2A103 MIMOWA project ([http://www.medeaplus.org/web/downloads/profiles/2A103-MIMOWA-profile-out-MEDEA+%20\(23-10-08\).pdf](http://www.medeaplus.org/web/downloads/profiles/2A103-MIMOWA-profile-out-MEDEA+%20(23-10-08).pdf)). (Due to the length of this URL, it may be necessary to copy and paste this hyperlink into your Internet browser's URL address field. Remove the space if one exists.)

About MEDEA+

MEDEA+ is an industry-driven pan-European program for advanced co-operative research and development in microelectronics. It is the target of MEDEA+ to make Europe the global leader in systems innovation on silicon. Some 90 projects were labeled, covering challenges in microelectronics applications and enabling technologies, and involving 2500 scientists and engineers per annum from 23 European countries. The MEDEA+ 2A103 MIMOWA project aims at simulating, implementing, validating and evaluating wireless MIMO (Multiple In Multiple Out) building blocks, i.e. IP, Silicon and FPGA content for different air interfaces. Focus will be on Cellular 3G (Long Term evolution), WiMAX (Fixed and mobile), and WiFi.

About Alcatel-Lucent

Alcatel-Lucent (Euronext Paris and NYSE: ALU) is the trusted partner of service providers,

enterprises and governments worldwide, providing solutions that deliver voice, data and video communication services to end-users. A leader in fixed, mobile and converged broadband networking, IP technologies, applications and services, Alcatel-Lucent leverages the unrivalled technical and scientific expertise of Bell Labs, one of the largest innovation powerhouses in the communications industry. With operations in more than 130 countries and the most experienced global services organization in the industry, Alcatel-Lucent is a local partner with a global reach. Alcatel-Lucent achieved revenues of Euro 17.8 billion in 2007 and is incorporated in France, with executive offices located in Paris. For more information, visit Alcatel-Lucent on the Internet at <http://www.alcatel-lucent.com>.

About Runcom Technologies Ltd.

Runcom is a technology company pioneering OFDMA-based silicon user terminals and base stations that comply with the IEEE802.16e-2005 standard for WiBro and Mobile WiMAX applications. Runcom products include PHY and MAC communications layers. Runcom RNA200 ASIC was the first Mobile WiMAX compliant ASIC on the market. For more information, visit Runcom on the Internet at <http://www.runcom.com>.

About Agilent Technologies

Agilent Technologies Inc. (A: 18.20, +0.56, +3.2%) is the world's premier measurement company and a technology leader in communications, electronics, life sciences and chemical analysis. The company's 20,000 employees serve customers in more than 110 countries. Agilent had net revenues of \$5.8 billion in fiscal 2008. Information about Agilent is available on the Web at <http://www.agilent.com>.

"WiMAX," "Fixed WiMAX," "Mobile WiMAX," "WiMAX Forum," the WiMAX Forum logo, "WiMAX Forum Certified," and the WiMAX Forum Certified logo are trademarks of the WiMAX Forum. All other trademarks are the properties of their respective owners.

NOTE TO EDITORS: Further technology, corporate citizenship and executive news is available on the Agilent news site at <http://www.agilent.com/go/news>.

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