# Sequans Selects Azimuth Systems ACE MX MIMO Channel Emulator for Testing of LTE and WiMAX Chipsets

Azimuth Systems, Inc. today announced that the company's ACE™ MX MIMO channel emulator has been selected by Sequans Communications, a leading 4G chipmaker, for testing of its LTE and WiMAX chipsets. Azimuth's ACE MX wireless channel emulator is the leading solution for advanced channel emulation, providing capabilities required for efficient, automated and repeatable testing of the next generation of wireless, carrier-grade LTE and WiMAX solutions, which employ OFDM and advanced antenna techniques such as MIMO.

Sequans is a leading provider of WiMAX semiconductor solutions and in 2009 expanded to address the LTE market, launching an LTE development program backed by Motorola and Alcatel-Lucent. Azimuth's ACE MX wireless channel emulator will be used to test the first of Sequans' SQN3000 series LTE chips, the SQN3010.

SQN3010 along with SQN3010-powered USB dongles were recently delivered to China Mobile for its launch of the world's first TD-LTE demonstration network in Shanghai.

"As we look to leverage our international success in the WiMAX market to become a leading provider of LTE chipsets, it was essential that we chose a testing solution that would be able to suit the needs of both technologies with features such as bidirectional capabilities and TDD support," said Bertrand Debray, vice president of engineering, Sequans Communications. "We chose to use Azimuth's ACE MX wireless channel emulator because of its superior RF fidelity and the multi-standard coverage it provides. We have found it to be a flexible, easy-to-use and a reliable testing solution that significantly reduces test costs and time, and ultimately ensures the delivery of higher-quality LTE and WiMAX products."

The ACE MX wireless channel emulator utilizes advanced digital signaling processing technology to allow real-time testing of MIMO and SISO wireless devices in a multipath fading environment. It provides dynamic channel emulation that scales for testing single channel devices up to MIMO 4x4 devices – or even up to 8x4 MIMO – and features dedicated bi-directional channel modeling that can accurately emulate real world wireless over-the-air conditions in both the downlink and uplink paths simultaneously. TDD and FDD modes are also supported and the ACE MX offers an extremely easy-to-use graphical user interface.

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