

Motorola Provides World's First Live 2.6GHz TD-LTE Drive Demonstration

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TD-LTE drive demo vehicle for ITU World Telecom

Motorola announced today that it has successfully deployed a Time Division Duplex Long-Term Evolution (TD-LTE) network in the streets of Geneva to support China Mobile Communications Corporation's presence at the Geneva PALEXPO during ITU Telecom World 2009.

During Motorola's Home and Networks Mobility TD-LTE drive tour, visitors will ride in Motorola's LTE van to experience the real-life performance of TD-LTE, including mobility and hand-over and a number of demanding applications. These applications will include High

Definition (HD) video streaming on the downlink and uplink, [Global Positioning System](#) navigation, Voice over Internet Protocol (VoIP), Video Conferencing and High-speed Internet browsing. In addition, Motorola will be providing a demonstration of TD-LTE on the CMCC exhibition booth, showcasing downlink throughput of over 100 megabits per second (Mbps).

The drive tour showcases Motorola's second-generation Orthogonal Frequency Division Multiplexing (OFDM)-based products and a set of core networks running the latest specifications software and related application servers. Within the van, a TD-LTE device will receive and transmit the Over-the-Air (OTA) data including HD video from and to the application servers and high-speed data from and to the application servers and high-speed data from and to the Internet.

Following Motorola's live 2.6GHz FDD-LTE tour in Barcelona and the live 700MHz FDD-LTE demonstration in Las Vegas, Motorola's live 2.6GHz TD-LTE drive tour in Geneva is another testament to Motorola's expertise in commercialized OFDM solutions and continues Motorola's industry-leading LTE successes.

Motorola's TD-LTE solution is comprised of second-generation OFDM-based products, which include:

- A Base Controller Unit (BCU2) that supports TD-LTE, FDD-LTE and WiMAX
- A Remote Radio Unit (RRU) that supports both WiMAX and LTE

Recently, Motorola announced the successful completion of its joint OTA trial with operators as part of the collaborative trials scheduled throughout 2009. Motorola is also actively engaged with the TD-LTE trials initiated by China's Ministry of Industry and Information Technology (MIIT).

Motorola's LTE Solution

Motorola's LTE solution is comprised of its OFDM broadband platform and a selection of radio options that include MIMO and smart antennas. It also features Motorola's advanced self-organizing network (SON) solution. Motorola's WBR 500 series LTE eNodeB offers flexible deployment options with frame based-mounted radios, remote radio heads and tower top radios to support a wide variety of LTE deployment scenarios across numerous spectrum bands to meet the needs of the global market.

Motorola's LTE portfolio also includes its evolved packet core (EPC) solution - the Wireless Broadband Core (WBC) 700 portfolio, backhaul, network management solutions, video solutions that monetize LTE investment, and a complete portfolio of professional services. The Motorola WBC 700 is comprised of Motorola's mobility management entity (MME), packet and serving gateways (P-GW and S-GW), and a policy and charging rules function server (PCRF).

More information: For more information about Motorola's LTE solutions visit: motorola.com/Business/US-EN/Business+Solutions/Technologies/LTE_US-EN target="_blank">[www.motorola.com/Business ... chnologies/LTE_US-EN](http://www.motorola.com/Business...chnologies/LTE_US-EN)

Source: Motorola

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