

Press Release
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LTE indoor coverage demonstration is industry's first

China Mobile and Nokia Siemens Networks conduct TD-LTE Femtocell demo

China Mobile Communications Corporation (China Mobile) and Nokia Siemens Networks have successfully demonstrated how to ensure excellent indoor coverage for future mobile broadband. The two companies have conducted the world's first TD-LTE femtocell demonstration. Nokia Siemens Networks' innovation aims to support future TD-LTE rollouts, a next generation mobile broadband technology.

"User habits indicate that the majority of mobile broadband capacity will be consumed inside homes and offices where coverage is typically lower than outdoor spaces," said Huang Xiaoqing, General Manager of China Mobile Research Institute. "Miniature wireless base stations like Femtocells can improve the indoor service experience of our customers. Further more, TD-LTE Femtocells can fully leverage the advantages of TDD frequency, provide a fast and flexible indoor coverage solution and effectively manage network capacity and cost."

Nokia Siemens Networks' Beijing research team demonstrated a live streaming video downlink application using a compact experimental Femtocell prototype in China Mobile's Research Institute laboratory. The demonstration achieved throughputs which exceed the typical xDSL speed currently possible via residential broadband connections.

"LTE is around the corner and we are doing everything to ensure its rapid deployment in networks around the world," said Stephan Scholz, CTO at Nokia Siemens Networks. "This demo – the world's first –highlights our innovative research leadership in LTE."

A forerunner in LTE, Nokia Siemens Networks has played a pioneering role in China's home grown technology standard TD-SCDMA and TD-LTE development. Following the industry's first TD-LTE lab demonstrations conducted with China Mobile in 2008, the company has further expanded its R&D team in Hangzhou and Beijing, China, to support the commercial roll out of TD-LTE.

About Nokia Siemens Networks

Nokia Siemens Networks is a leading global enabler of telecommunications services. With its focus on innovation and sustainability, the company provides a complete portfolio of mobile, fixed and converged network technology, as well as professional services including consultancy and systems integration, deployment, maintenance and managed services. It is one of the largest telecommunications hardware, software and professional services companies in the world. Operating in 150 countries, its headquarters are in Espoo, Finland.
www.nokiasiemensnetworks.com

Engage in conversation about Nokia Siemens Networks' aim to reinvent the connected world at <http://unite.nokiasiemensnetworks.com> and talk about its news at <http://blogs.nokiasiemensnetworks.com>
Find out if your country is exploiting the full potential of connectivity at <http://connectivityscorecard.org>

Notes to Editors

Femtocells are small cellular base stations for indoor coverage and capacity for homes, offices and even public places. They utilize cellular access methods (e.g. licensed spectrum), features and services, which differentiate them from WiFi access points.

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