



PRESS RELEASE
December 29, 2016

Ericsson and Qualcomm Technologies complete China's first data call on the eMTC/Cat-M1 standard for cellular IoT

- eMTC/Cat-M1 test using Ericsson Networks Software 17A and Qualcomm Technologies' MDM9206 LTE modem conducted in China Mobile Research Institute (CMRI) lab
- Achievement accelerates maturity and pace of ecosystem development of the new technology

Ericsson (NASDAQ: ERIC) and Qualcomm Technologies, Inc., a subsidiary of Qualcomm Incorporated, have completed China's first end-to-end data call using new cellular Internet of Things (IoT) eMTC/Cat-M1 technology.

The test was achieved in the lab of the research division of China Mobile – China Mobile Research Institute (CMRI) – on November 11, 2016, during a data call using Qualcomm Technologies MDM9206 LTE modem, and communicating live over the air to Ericsson's radio access network.

The call focused on the evaluation of eMTC/Cat-M1, a new cellular IoT technology that was standardized in 3GPP Release 13 for low-power wide-area (LPWA) applications and services. The technology is suited to support many LPWA use cases requiring higher mobility support, including vehicle telematics, consumer wearables, and more. It achieves better performance than the existing 4G technology in terminal cost, standby time and coverage.

Ericsson is working closely with leading companies to accelerate the pace of development and commercialization of the ecosystem for cellular IoT solutions. The commercial software product for eMTC/Cat-M1 will be available at the end of 2016, together with support from the Ericsson Radio System.

Vieri Vanghi, Vice President, Product Management, Qualcomm Technologies, Inc., says: "We are very pleased with China Mobile's successful end-to-end data call utilizing cellular IoT eMTC/Cat-M1 technology based on our MDM9206 modem. This is an important milestone that supports the delivery of a new range of IoT services, including smart energy, asset tracking, industrial control and automation, and building security. We look forward to further working with China Mobile and Ericsson to bring these types of services to users in China."



Chris Houghton, Head of Region North East Asia, Ericsson, says: “Ericsson is pleased to collaborate with China Mobile and Qualcomm to embrace the opportunities of cellular IoT. With our global leadership and experience in IoT, we will work hand in hand with our customers and partners to realize the full potential of the Networked Society.”

The MDM9206 modem represents Qualcomm Technologies’ latest innovation, supporting low-power, low-bandwidth and cost efficient IoT applications and services. It is designed to support LTE category M1, upgradeable to LTE M1+ NB-1 dual mode with an anticipated upcoming software update. The dual-mode approach combines the best of both technologies and provides a global, scalable solution for IoT products, well suited for a diverse set of operator deployments. The category M1 and NB-1 LTE modes designed in the MDM9206 modem bring many enhancements and optimizations to LTE that will help reduce IoT device complexity. The new technologies can also coexist with today’s LTE infrastructure and spectrum, which offers a superior solution to proprietary technologies for LPWA networks.

Ericsson is present today in all high-traffic LTE markets including the US, Japan and South Korea, and is ranked first for handling the most global LTE traffic. In addition, 40 percent of the world’s total mobile traffic is carried over Ericsson networks. More than 270 LTE RAN and Evolved Packet Core networks have been delivered by Ericsson worldwide, of which 200 are live commercially.

NOTES TO EDITORS

About Ericsson

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Ericsson is the driving force behind the Networked Society – a world leader in communications technology and services. Our long-term relationships with every major telecom operator in the world allow people, business and society to fulfill their potential and create a more sustainable future.

Our services, software and infrastructure – especially in mobility, broadband and the cloud – are enabling the telecom industry and other sectors to do better business, increase efficiency, improve the user experience and capture new opportunities.

With approximately 115,000 professionals and customers in 180 countries, we combine global scale with technology and services leadership. We support networks that connect more than 2.5 billion subscribers. Forty percent of the world’s mobile traffic is carried over Ericsson networks. And our investments in research and development ensure that our solutions – and our customers – stay in front.



Founded in 1876, Ericsson has its headquarters in Stockholm, Sweden. Net sales in 2015 were SEK 246.9 billion (USD 29.4 billion). Ericsson is listed on NASDAQ OMX stock exchange in Stockholm and the NASDAQ in New York.

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About Qualcomm Incorporated

Qualcomm Incorporated (NASDAQ: QCOM) is a world leader in 3G, 4G and next-generation wireless technologies. Qualcomm Incorporated includes Qualcomm's licensing business, QTL, and the vast majority of its patent portfolio. Qualcomm Technologies, Inc., a subsidiary of Qualcomm Incorporated, operates, along with its subsidiaries, substantially all of Qualcomm's engineering, research and development functions, and substantially all of its products and services businesses, including its semiconductor business, QCT. For more than 30 years, Qualcomm ideas and inventions have driven the evolution of digital communications, linking people everywhere more closely to information, entertainment and each other. For more information, visit Qualcomm's [website](#), [OnQ blog](#), [Twitter](#) and [Facebook](#) pages.

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