

# World's first voice call completed on single core modem processor

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Freescale Semiconductor has collaborated with Motorola to complete the first voice call on Freescale's single core modem processor, the heart of the Mobile Extreme Convergence (MXC) platform. The call demonstrates Freescale's commitment to the market by delivering on the promise of a single core modem.

The MXC architecture enables smaller, more powerful, more efficient wireless platforms for feature phones and smart phones. Imagine an entire mobile phone on a postage stamp-size solution. It's real with MXC.

"Two of the greatest challenges manufacturers are facing in the cellular market are form factor freedom and reduced electronic bill of materials – MXC does both," said Franz Fink, senior vice president and general manager, Freescale wireless and mobile systems group. "MXC's revolutionary architecture saves board space and total system cost."

"At the end of the day, our business is about creating the best mobile experience for the consumer," said Phil Gilchrist, vice president GSM Engineering and Advanced Technology, Motorola Mobile Devices. "So we look for solutions that will help us deliver unique, feature-rich experiences quickly and more cost-effectively. Freescale's MXC single core modem architecture will help us achieve that goal by accelerating development cycles and decreasing time-to-market for the full-featured devices today's consumers crave."

In addition, the collaborative single core modem team has successfully moved the GSM signaling stack to the StarCore DSP, freeing up the integrated ARM11 MCU to focus on applications processing. Clean separation of modem and applications processing dramatically simplifies software development. This separation also gives manufacturers complete scalability and flexibility across their portfolios; making it possible to increase functionality, decrease development time and free up critical engineering resources.

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