



## NEWS

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### **EB INTRODUCES INDUSTRY'S FIRST RADIO CHANNEL EMULATOR PLATFORM TO TAKE NEXT-GENERATION WIRELESS TESTING BEYOND CONFORMANCE**

**— New emulator platform designed for wireless systems requiring wide bandwidths up to 125 MHz with MIMO for complete channel emulation of WiMAX, LTE, 4G and beyond —**

Chicago, WiMAX World, (September 30, 2008) – EB, a global technology leader in test tools for measuring, modeling and emulating radio channel environments, today announces a new radio channel emulation platform that exceeds the performance requirements for WiMAX, LTE and 4G testing to ensure that end users have the best possible wireless connection. EB Prosim F8, the first product based on the new platform, takes emulator performance to the highest level ever through complete channel emulation for any existing and future wireless system making it ideal for chipset vendors, handset makers, base station developers and carriers.

As wireless systems evolve towards higher data rates with the evolution of such technologies as WiMAX, LTE and 4G, air interface requirements increase in terms of wider bandwidths and better spectral efficiency. The only guarantee that the device is fully functional in true conditions is to validate it piece-by-piece in similar conditions. EB Prosim F8 enables laboratory testing of wireless devices, applications and networks under real air interface conditions with not only standardized, but also more advanced radio channel models.

"RF testing used to be simpler, but with the development of technologies such as WiMAX and LTE which will co-exist and shall work seamlessly with the current UMTS and CDMA technologies, the complexity of the radio systems has dramatically intensified making it a real challenge," said Harri Tulimaa, Director, Sales & Marketing of EB. "Because of these new complex technologies, it is even more critical that regulatory compliance and interoperability requirements be thoroughly tested to ensure that deployment of these new wireless technologies reaches the capacity that they were intended for and we can continue the development of future standards."

The new EB Prosim emulation platform provides significant expandability and benefits to customers including:

- The enhanced graphical user interface and tailored user profiles offer ease of use in creating and running test setups resulting in shorter testing time and increased productivity.
- The widest RF signal dynamic range, best channel linearity, highest number of physical and logical fading channels, and the cleanest spectrum available on the market allowing testing to be taken beyond conformance to focus on performance



- A single EB Prosim F8 cabinet supports 2 to 8 physical channels and 4 to 32 logical channels respectively which provides the ability to test the most channels in the industry

“EB Prosim F8 is the only channel emulator on the market that is designed to support existing 3GPP/3GPP2 WCDMA, GSM, TD-SCDMA, EV-DO / CDMA2000, 3GPP LTE, WiMAX and Wi-Fi radio interfaces and future wireless system air interfaces,” said Tommi Jämsä, Senior Manager, Standardization and Networking of EB. “It offers greater flexibility and reliability for system and network level testing, especially in systems requiring RF signal fidelity for high-order modulations and wide bandwidths up to 125 MHz with MIMO. This new product/platform strengthens EB’s position as the market leader in channel emulation.”

With EB Prosim F8, EB has strengthened its position as the market leader in channel emulation. EB Prosim F8 is available for delivery in Q4/2008 via EB’s global sales and distribution network.

**FURTHER INFORMATION:**

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**About EB, Elektrobit Corporation**

EB is a provider of demanding embedded software and hardware solutions for wireless and automotive industries and a global technology leader in test tools for measuring, modeling and emulating radio channel environments. EB contributes to radio channel model standardization, radio channel emulation, and radio channel measurements with vast experience and a substantial customer base of the leading industry brand names.

EB creates advanced technology and turns it into enriching end-user experiences. EB is specialized in demanding embedded software and hardware solutions for wireless and automotive industries. Net sales for the year 2007 totaled MEUR 144.3. Elektrobit Corporation is listed on OMX Nordic Exchange Helsinki. [www.elektrobit.com](http://www.elektrobit.com)