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Press Release

Signalion reacts on Vodafone's call to speed-up LTE development

During 3GSM World Congress in Barcelona Vodafone CEO Arun Sarin warned industry to work faster to beat WiMAX [1]. This wake-up call has led to much development activities in the cellular wireless communication business. Many infrastructure manufacturers have increased their development activities on that standard significantly. This is natural, since this wireless infrastructure industry has to serve the upcoming standards first. Mobile phones usually come much later. Hence during that development phase no mobile phone is available to test the base stations conformance with the standard. Therefore test user equipments (UE) with special testing capabilities are needed.

With Sorbas110 Signalion provides a first-time test solution for LTE-basestations. Sorbas110 is a prototype user equipment (UE) that enables base station developers to test their designs against a reference receiver and transmitter already in stage where the 3GPP-LTE standard is not finalized. Software Defined Radio (SDR) concepts enable the system to keep up with standard changes continuously. A scalable hardware platform with a 4 channel RF-front-end delivers the processing power needed for advanced technologies such as MIMO, Beamforming, and HARQ. The current implementation focuses on layer 1 and 2. The support of layer 3 functionalities is foreseen for the future.

At the 3GSM World Congress in Barcelona Signalion has demonstrated a live video transmission using the 3GPP-LTE test UE Sorbas110 together with the LTE solutions from Rohde & Schwarz as well as with an LTE base station prototype. Signalion's LTE test UE was the only commercially available test UE solution at the 3GSM World.

Signalion announces a standard-conform LTE-test UE before the end of the year to support the tough timeline set by Vodafone.

[1] "Sarin warns industry to work faster to beat WiMAX"

<http://www.telecoms.com/itmgcontent/tcoms/3gsm-world-congress/news/articles/20017405207.html>

About LTE:

3GPP-LTE (Long Term Evolution) a cellular standard currently standardized as the successor of current UMTS technology will be able to transfer data at a peak rate of 100 megabits per second. This new technology for cellular network access will enhance the current W-CDMA standard with OFDM technology and will coexist with 2G and 3G networks. 3GPP-LTE radio networks are expected to be ready for the market by 2010. The new standard ensures the long-term competitiveness of UMTS. It will enable new services such as the delivery of high-definition videos to mobile devices. The 3GPP-LTE standardization is still ongoing.

With the Sorbas platform, a growing stack of IP and dedicated consulting services for 3GPP-LTE Signalion offers complete 3GPP-LTE solutions from one source which enables the developers to keep up with the ongoing standardization. This saves development time and costs. With Alcatel-Lucent as one major customer Signalion supports one of the biggest global communications solutions providers.

More information can be found at www.signalion.com.

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About Signalion:

Signalion is a well established solution provider for wireless communication system design and prototyping among the customers are key players of the wireless market such as Alcatel and Philips, Infineon and NXP as well as leading research organizations. The company combines the experience of many years of wireless research, algorithm implementation, and leading edge prototype development of signal processing and wireless communications systems.

Link

<http://www.signalion.com/>

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