

## PRESS RELEASE

setcom group  
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### **SETCOM WIRELESS ANNOUNCES SINGLE TEST SYSTEM FOR ENTIRE LTE LIFECYCLE**

setcom wireless announced its S-CORE conformance and research test environment for LTE (Long Term Evolution) protocol testing and monitoring. S-CORE is an innovative protocol tester for LTE signaling designed from the ground up to be easy to use, provide clearer diagnostic information, and leverage off-the-shelf hardware to reduce capital expense. Unlike other LTE solutions, S-CORE encompasses both R&D and conformance testing of all LTE signalling layers in one complete test system.

“Our goal is to be the leader in LTE testing by being first to market with a complete LTE lifecycle solution,” said Dan Quant, senior product manager at setcom. “Our focus is on supplying test functionality according to the needs of the industry, our customers, and LTE development partners.”

#### **S-CORE for chipset and user equipment developers**

Targeted at chipset and user equipment (UE) developers designing the LTE physical layer (PHY) and protocol stack, the setcom wireless S-CORE test system follows the complete UE development lifecycle. S-CORE offers a variety of different UE connections to meet the design lifecycle; it offers a virtual, host-style connectivity for performance analysis and compliance testing of the protocol stack prior to integration into silicon. S-CORE includes an I&Q connection for testing a real time PHY implementation before the RF is available. It also includes traditional RF connectivity for full end-to-end testing, typically used in later stages of UE development and certification.

S-CORE features include:

- Support for up to 20MHz bandwidth for LTE
- Support for all modulation schemes up to 64QAM
- Handovers between GSM, WCDMA, and other LTE cells
- Performance analysis of network services and multimedia
- MIMO 2x2 expandable to MIMO 4x4

## **Ongoing support for LTE**

Initially supporting the LTE wireless standard, other 3GPP (3rd Generation Partnership Project) standards will be added quickly by setcom. These standards will include GSM/EDGE, W-CDMA, and other non-3GPP standards essential to the development and certification of next-generation wireless devices. Handovers between these radio access networks (RAN) is essential for a successful and rapid launch of LTE devices and services.

By participating in the 3GPP RAN groups now defining LTE and working within the Global Certification Forum (GCF) and PTCRB (PCS Type Certification Review Board), setcom is committed with S-CORE to supporting the full tool chain required for running all LTE TTCN3 (Testing and Test Control Notation version 3) signaling test cases. These LTE test cases are necessary to meet the challenges of certifying a 3GPP release 8-compliant device.

With S-CORE offering the full complement of R&D lifecycle and conformance test requirements from the PHY all the way through to the network services and application layer, setcom's customers will be supported throughout their entire product development and commercial launch phases. S-CORE enables the LTE vision of providing a superior experience of full-service wireless broadband anywhere, at any time.

## **About setcom wireless products**

setcom started its business operations in Munich in 1989, and has evolved into a global company in the field of wireless protocol and mobile multimedia testing. The company is now one of the leading R&D and conformance test solution suppliers with a portfolio of over 1,300 GCF/PTCRB-compliant test cases. setcom's goal is to assist customers in minimizing development costs and shorten their time to market while offering a seamless service. Our client base includes leading mobile handset manufacturers, global network operators, and test houses. setcom has offices in Germany, the Republic of Malta, the United Kingdom, and North America, with professional sales partners in the Asia-Pacific region.

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