



## NEWS RELEASE

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### **Aeroflex Launches Single-box Multi-RAT Tester for Multi-mode eHRPD/LTE Handsets**

<http://www.aeroflex.com/ats/products/prodfiles/news/06162010.pdf>

*Aeroflex 7100 tester now supports multiple Radio Access Technologies (RAT), including CDMA EV-DO and eHRPD as well as LTE, to accelerate the development of multi-mode cellular terminal devices for new LTE deployments*

**Stevenage, UK—June 16, 2010**—Aeroflex announced today the launch of a new option for the 7100 LTE Digital Radio Test Set that supports CDMA-based data standards such as Evolution-Data Optimized (EV-DO) and evolved High Rate Packet Data (eHRPD) as well as LTE-eHRPD hand-over.

As CDMA network operators migrate towards LTE, the devices used by their subscribers will need to operate with both the legacy EV-DO sectors of the network and those that have been upgraded to LTE, as well as being able to hand over seamlessly between them. Option 104 for the Aeroflex 7100 tester has been developed to allow testing of these multi-mode devices across all the standards they are required to support, and also to test hand-over between LTE and eHRPD.

The Aeroflex 7100 with Option 104 provides test capabilities for EV-DO Release 0, EV-DO Revision A and eHRPD, which is an important stepping stone in a CDMA and LTE network rollout. The deployed terminal devices will need to support all of these legacy standards, and could be required to operate in any one of the revisions of the CDMA standard. By supporting all of these standards in a single box, the 7100 provides

manufacturers of both cellular terminals and chipsets with a simple unified test environment to fully test all the RATs supported by the device under test. Applications such as throughput for EV-DO Release 0, Rev A and eHRPD can be tested with just a simple parameter reconfiguration of the 7100, without any need to change test platforms. The test system also provides support for advanced multi-RAT handoff scenarios, such as eHRPD to LTE hand-down and system selection/re-selection testing, to verify correct device provisioning.

“The 7100 is already a market leader in LTE device test. Now it provides a single box test solution for multi-mode devices supporting the CDMA (3GPP2) and 3GPP LTE technologies, which are currently under development in readiness for the launch of the first LTE network in the USA by a leading CDMA operator,” commented Michael Thorpe, Product Manager at Aeroflex Test Solutions. “Since the initial LTE rollout will not be nationwide, it is very important for a device to be able to fall back from LTE to CDMA (eHRPD/EV-DO) for regional coverage in areas that do not yet support the LTE standard, and equally important to be able to test this fallback performance in order that a good user experience can be achieved.”

### **More about eHRPD**

eHRPD is an extension of existing High Rate Packet Data (HRPD) or Evolution-Data Optimized (EV-DO) networks to allow operators to introduce LTE architecture elements into their existing EV-DO networks. eHRPD enhances traditional HRPD to enable feature rich applications such as Voice-over-IP (VoIP) and always-on IPv6 devices, as well as future seamless IP mobility with LTE. The eHRPD standard is a necessary upgrade for CDMA networks migrating from 3GPP2 CDMA based technologies to LTE.

### **7100 eHRPD test capabilities**

In addition to its existing features, the 7100 with Option 104 supports testing of the following eHRPD features:

- eHRPD/E-UTRAN handoffs
- Data calls for HRPD (Rel 0/Rev A) and eHRPD

- Multi-Flow Packet Application (MFPA) and Enhanced Multi-Flow Packet Application (EMFPA)
- Vendor-Specific Network Protocol (VSNP) and Vendor-Specific Network Control Protocol (VSNCP) negotiations
- Challenge-handshake Authentication Protocol (CHAP) and Extensible Authentication Protocol Method - Authentication and Key Agreement (EAP-AKA)
- Multiple Access Point Name/Packet Data Networks (APN/PDN)
- IPv4 and IPv6 data flows
- Quality of Service (QoS) establishment
- Short Message Service (SMS) over IP Multimedia Subsystem (IMS) related applications on eHRPD sessions
- VoIP over IMS call related applications on eHRPD sessions

## Availability

For more information, contact your local Aeroflex sales office by visiting or calling Aeroflex Sales at (800) 835-2352 or [info-test@aeroflex.com](mailto:info-test@aeroflex.com).

## About Aeroflex

Aeroflex Incorporated is a leading global provider of microelectronic components and test and measurement equipment used by companies in the space, avionics, defense, commercial wireless communications, medical and other markets..

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*with regulations such as International Traffic in Arms Regulations and any changes in regulations; exposure to auction rate securities and the impact this exposure has on liquidity; the failure to realize anticipated benefits from completed acquisitions, divestitures or restructurings, or the possibility that such acquisitions, divestitures or restructurings could adversely affect Aeroflex; the loss of key employees; exposure to foreign currency exchange rate risks; and terrorist acts or acts of war. Such statements reflect the current views of management with respect to the future and are subject to these and other risks, uncertainties and assumptions. Aeroflex does not undertake any obligation to update such forward-looking statements.*