Protocol Test

6103 AIME and 6103 AIME/CT A-GPS Test Solution

System Description

- A-GPS and GSM/(E)GPRS MS air interface protocol development and conformance test system
- Comprehensive suite of all 33 3GPP TS 51.010 section 70 A-GPS test cases
- Full integrated logging facility of all layer 3 RRLP messaging
- Integrated high performance 12 channel GPS satellite simulator
- Available as an upgrade to the already widely used and industry-respected 6103 AIME and AIME/CT systems

Benefits

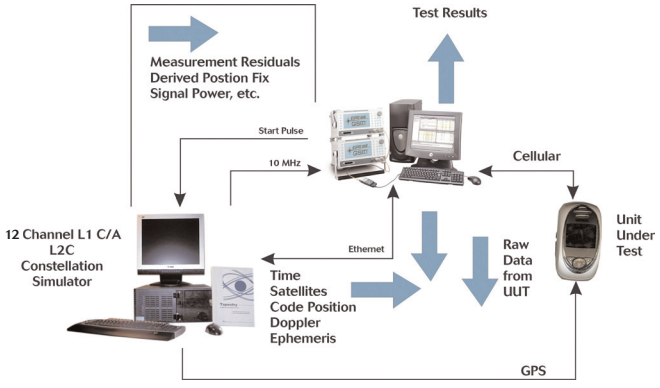
- Automation provides a quick and effective method for long repetitive GPS test runs
- Easy decoding of RRLP messaging makes identifying protocol issues quick and easy
- No need for frequent field testing in networks where you have no control over network behavior
- Accelerate development of products for emerging location-based services markets in North America, Europe and Asia

Aeroflex introduces Assisted GPS (A-GPS) support on the 6103 AIME for device R&D and on the 6103 AIME/CT for conformance testing. Location-based services (LCS) hold out considerable promise as a valuable revenue generator for wireless carriers.

Their extension beyond the realms of the emergency services and into the commercial arena looks set to open up a significant opportunity for wireless carriers to provide their subscribers with value-added applications and services utilizing location-based functionality.

Consequently time-to-market and cost-to-market are critical while development complexity is further increased with the addition of A-GPS functionality.

To address the rapidly emerging market for A-GPS based devices, while continuing to reduce time-to-market and the need for costly field trials, Aeroflex has created a fully integrated A-GPS test solution based on its well-proven 6103 AIME and 6103 AIME/CT mobile handset test systems. Allowing repeatable, deterministic and automated testing within a lab based environment.



The 6103 AIME system and Navigation Laboratories L1 GPS simulator are a fully integrated solution, providing both the cellular and GPS RF output coupled through a combiner within the GPS rack. The rack, as well as housing the GPS simulator, also provides either a single connection to a combined GSM/GPS connection or separate RF connections to the device's GPS receiver and the GSM antenna.