

**For Immediate Release**



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## **Loctronix Demonstrates Software Defined Radio Technology – Tracking All Global Navigation Satellite Systems Signals**

*– Company achieves universal location sensing technology milestone –*

**WOODINVILLE, WA – July 8, 2008** – Loctronix Corporation™, a provider of universal location sensing technology for mobile applications, announced today that it has successfully demonstrated tracking signals from all operational Global Navigation Satellite Systems (GNSS). A single software defined radio (SDR) platform was used to receive and process both the coarse and military precision ranging channels of GPS (U.S.) and GLONASS (Russia) for all satellites in view.

Made possible with Loctronix' Spectral Compression Positioning™ (SCP) technology, this achievement marks a significant advancement in position sensing. The company demonstrated that a single, relatively simple sensor, composed primarily of software and hosted on a generic RF core, can readily track any positioning signal – be it GPS, GLONASS, localized beacons or, in the future, Galileo (Europe), Compass (China), and QZSS (Japan). Until now, implementing an all-in-view SDR positioning sensor was all but impractical for commercial applications.

“We are very pleased to validate the implementation flexibility and unique SDR position-sensing capabilities made possible by SCP – bringing us one step closer to making seamless universal positioning available to industrial, safety/security, military and consumer markets,” said Michael B. Mathews, Ph.D., President and Chief Architect of Loctronix. “This test demonstrates that Loctronix can, in fact, track signals from any broadband positioning system with a single sensor, enabling positioning of people or assets everywhere, be they indoors, outdoors or even underground.”

“The real value of SDR is its flexibility – we can tune to any GNSS frequency, as well as ranging signals from local and regional beacons, without the need for highly specialized and complex electronics hardware. The SDR implementation of SCP shows the inherent simplicity and elegance of the technology, which can provide meter-level positioning accuracy at minimal cost and power consumption,” Mathews stated.

Loctronix’ universal positioning combines high-accuracy GNSS positioning services, normally only available to military users, with low-cost local and regional beacons to enable robust, meter-level position sensing, even in obstructed urban environments. Filling the gap where GNSS coverage leaves off, this breakthrough technology will permit locating and tracking people and assets everywhere – seamlessly and accurately.

“SCP technology addresses the cost and performance challenges faced by wireless carriers and other mobile service and applications providers, by presenting them with a practical and affordable solution to universal positioning,” noted Tom Farmer, Loctronix Executive Vice President of Business Development.

“Our ability to locate anything, everywhere, will fuel the growth of ubiquitous E911, location-based services (LBS), navigation, fleet management, asset tracking and a host of other mobile applications,” Farmer said.

### **About Loctronix Corporation**

Based in Woodinville, WA, Loctronix Corporation has developed next-generation universal positioning technology delivering cost-efficient, seamless indoor/outdoor coverage for locating anything, everywhere. For more information about Loctronix Corporation, e-mail [info@loctronix.com](mailto:info@loctronix.com) or visit [www.loctronix.com](http://www.loctronix.com).

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