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June 3, 2002

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TECH SPACE

Satellite Signal Monitoring on a Cellular Phone

Las Vegas - May 17, 2002
IntegraSys S.A., a worldwide provider of carrier monitoring software for the satellite market, has presented at NAB 2002 a remote satellite carrier line up tool that works on a standard palm cellular phone.

The system has been designed for Satellite Interactive Terminal (SIT) installers to provide them with a pocket tool to perform the line-up and cross polarization isolation adjustment on the uplinked carrier used for the return channel. The palm cellular phone acts as a graphics terminal to remotely control a spectrum analyzer located at the hub station from, virtually, any part of the world.

"Satmotion Pocket provides remote access to the spectrum analyzer's main functionality and prevents the need to carry extensive equipment at SIT end user location", said Juan Carlos Sanchez, executive vice president of IntegraSys.

Users will be able to make a phone call to a hub station and access the monitoring spectrum analyzer's trace information on the cellular screen in real time. Several commercial spectrum analyzer models from the main instrument manufacturers are supported by the system.

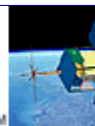
To achieve the maximum automation degree at the hub station, the system includes a monitoring server computer and software to interface cellular users to the monitoring instrumentation. The server adds concurrent multiuser support, so one single monitoring analyzer can support multiple simultaneous installations.

"Using standard speed cellular data calls (9,600 bps), up to eight



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STATION NEWS

Faulty Valve Fixed Shuttle To Launch Wednesday

KSC - Jun 3, 2002



Technicians completed the bulk of work on the valve that caused the fourth launch delay for the space shuttle Endeavour. "The worst is behind us," said Steve Altemus, shuttle test director. Launch is tentatively scheduled between 4-8pm V (2000 GMT Wed) said NASA which for security reasons do not release a precise launch

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concurrent users per instrument will obtain one analyzer trace per second update rate, each using its own analyzer set-up", IntegraSys officials said.

Satmotion Pocket software architecture makes use of the latest developments in the Internet protocol technology for distributed process communications.

In addition to Satmotion Pocket, the company provides a complete product line of distributed signal monitoring software systems for the satellite, cable and cellular markets.

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TECH SPACE

Hytek Receives \$1.4 Million Subcontract For Remote Sensing Telemetry Components

Carson City - Sept. 26, 2001

Hytek Microsystems, Inc. has received a subcontract to build remote sensing telemetry components. The value of the initial order is approximately \$1.4 million. The Hytek built components will be used by an undisclosed customer and the United States military to perform remote data gathering operations.



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not release a precise launch until 24 hours beforehand.

First Space Soybeans Be Sown

Cape Canaveral - Jun 03, 2002



In the first space experiment of its kind, DuPont tomorrow will launch space explorat designed to discover new

scientific research about one of the most consumed crops in world today -- soybeans.

- Putting Fresh Greens On The Menu
- STS-111 Will Crank Up ISS
- Students' Pizza Crust Takes NASA Space Food Prize

OUTERPLANETS

Pluto Probe Design Ready To Build

Baltimore - Jun 3, 2002



NASA's New Horizons mission has completed first major project review

and technical experts from several institutions found the requirements for the first spacecraft to Pluto and the distant Kuiper Belt are well on track.

TECH SPACE

Sharing The Secrets Of Chandra's Darkness-Dodging Orbit

Huntsville - Jun 03, 2002



Every 64 hours NASA's Chandra X-ray Observatory follows a path that dodges

darkness, stretches one-third the way to the Moon, and has more elliptical shape than most orbiting satellites.

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DRAGON SPACE

Yuhangyuan 14: "Mad China" For Spacefligh

Beijing - May 28, 2002



Fourteen youn yuhangyuans ("astronauts") ; continuing the intense training program they r complete to ha

any chance of winning a sea the first manned Shenzhou mission that could fly as earl 2003.

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- Manned Spaceflight A Foreseeable Goal
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