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Remote Satellite Carrier Line-ups On Aa Wi-Fi PDA

Washington - Mar 25, 2003

IntegraSys has introduced a wireless internet based remote satellite carrier line-up tool that works on a commercial PDA and supports Wi-Fi, cellular or sat-phone connections to remote satellite monitoring stations via Internet.

The system has been designed for Two-Way Satellite Interactive Terminal (SIT) & VSAT 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.

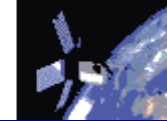
The PDA acts as a remote graphics terminal to



The PDA acts as a remote graphics terminal to control a spectrum analyzer and a solid-state input switching multiplexer located at the hub station from, virtually, any part of the world.

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The PDA acts as a remote graphics terminal to control a spectrum analyzer and a solid-state input switching multiplexer located at the hub station from, virtually, any part of the world.

"Satmotion Pocket on Wi-Fi provides high speed (11 Mbps) remote access to the monitoring spectrum analyzer's main functionality and prevents the need to carry extensive equipment at SIT end user location", said Pilar Viedma, IntegraSys VP Business Development. Users are connected to the monitoring station via wireless Internet and access the monitoring spectrum analyzer's trace information on the PDA screen in real time. Several commercial spectrum analyzer models from the main instrument manufacturers are supported by the system.

To avoid hub station coordination, the system includes a monitoring server computer and software to interface remote PDA users to the monitoring instrumentation. This server adds concurrent multi-user support, so one single monitoring analyzer can support multiple simultaneous installations. "Using standard Wi-Fi speeds (11 Mbps) , up to ten concurrent users per instrument will obtain one analyzer trace per second update rate, each using its own analyzer set-up", IntegraSys officials said.

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



Minnesota researchers have made the first-ever hardness

measurements on individual silicon nanospheres and shown that the nanospheres' hardness falls between the conventional hardness of sapphire and diamond, which are among the hardest known materials.

TERRADAILY

NASA Study Finds Increasing Solar Trend That Can Change Climate

Greenbelt - Mar 25, 2003



Since the late 1970s, the amount of solar radiation the sun emits, during times of quiet sunspot

activity, has increased by nearly .05 percent per decade, according to a NASA funded study.

NANO TECH

Building Nano Composites For Space Applications

Atlanta - Mar 26, 2003



A microscopy technique

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TECH SPACE

Vanguard 1 Marks 45 Years in Space

Washington - Mar 17, 2003

Vanguard I, the world's longest orbiting man-made satellite, built by the Naval Research Laboratory and launched at Cape Canaveral, Florida, in 1958, will mark its 45th year in space on March 17. In the years following Vanguard's launch, the small satellite has made more than 178,061 revolutions of the earth and traveled over 5.1 billion nautical miles.



originally developed to image the molecular-scale

topography of surfaces is now helping engineers choose the right materials for a new generation of lightweight high-strength composites based on carbon nanotubes.

EARTH OBSERVATION

New Business Is Out Of This World

Newcastle - Mar 26, 2003



Newcastle University scientists are launching a new consultancy specialising in

geomatics - hi-tech surveying that uses satellite technology and other advanced systems.

EARLY EARTH

Scientists Find Evidence For Crucial Root In The History Of Plant Evolution

New Orleans - Mar 26, 2003



If ancient plants had not migrated from the shallow seas of early Earth to the barren land of the continents, life as we know it might never have emerged.

And now it appears this massive floral colonization may have been spurred by a single genetic mutation that allowed primitive plants to make lignin, a chemical

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process that leads to the formation of a cell wall.

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