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## Rugged PDA Line-up Tool for Mission Critical VSAT Communications

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IntegraSys has announced a new military version for its Satellite Terminal Line-up Tool based on Itronix rugged PDA model Q100, specifically built to operate under demanding environmental conditions in the battle field.

Military VSAT communications deployment and installation will benefit from this new rugged platform addition to the SatMotion Pocket System supported hardware, ensuring MIL-STD 810 F environmental specifications accomplishment.

The system simplifies and speeds up VSAT installation and commissioning providing a pocket tool to perform the line-up and cross polarization isolation adjustment on the uplinked carrier transmitted by the VSAT. The rugged PDA acts as a remote graphics terminal to display in real-time polar and cross-polar information obtained from a spectrum analyzer located at the Operations Control Center.

" SatMotion Pocket uses either a wired or Wi-Fi connection to the VSAT to provide high speed remote access to the remote monitoring spectrum analyzer preventing the need to use extensive instrumentation equipment ", said Pilar Viedma, IntegraSys VP Business Development. Users are connected to the Operations Control Center via IP 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 control center coordination, the system includes a carrier 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 line-ups. " Using standard Wi-Fi speed, up to ten different concurrent users per instrument will obtain one analyzer trace per second update rate, each using its own analyzer set-up ", IntegraSys officials said.