

Highly-Adaptable Measurement Platform for Signal-Intelligence Applications

Agilent Technologies Inc. has released the N7100 signal intelligence (SIGINT) search, collection and direction-finding system. The N7100 is a highly-adaptable, multi-mission platform designed for quick-reaction deployment. The system allows users to capture and locate challenging signals in difficult radio-frequency (RF) environments. The hallmarks of the N7100 system are its modularity, compact size and raw measurement speed. The system's speed enables new capabilities, such as ultra-fast wideband search, fully integrated wideband direction-finding (DF) and sustained multiband signal collection. Other capabilities include RF surveys, signal monitoring, and wideband signal recording and playback to rack-mount disk arrays. The N7100 platform meets modular open-system architecture (MOSA) requirements through commercial, off-the-shelf (COTS) hardware, built on industry standards such as Compact PCI, PCI Express® and PXI Express. This cost-effective solution also uses Gigabit Ethernet and PCIe for input/output to the system host computer or external devices.

Source URL (retrieved on 01/25/2015 - 1:30pm):

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