19'' Remote Spectrum Analyzer now ready for spectrum monitoring and signal identification

Uninterrupted I/Q data as real-time stream / spectrum analysis using more than 600,000 samples

Pfullingen, April 10, 2013 – Narda Safety Test Solutions has expanded the range of functions of its Remote Spectrum Analyzer: The NRA-3000 and NRA-6000 models now provide uninterrupted I/Q data as a real-time stream. At the same time, the number of samples for spectrum analysis has been increased to over 600,000.

The "Scope and I/Q Data" option for the NRA-3000 and NRA-6000 analyzers deliver the data from signal sequences separated into the real (or in-phase) and the imaginary (quadrature) components. Coverage is uninterrupted up to a channel bandwidth of 400 kHz. The data are available as a gapless stream via TCP/IP or UDP. The NRA transfers the data in blocks of up to 250,000 points for channel bandwidths of up to 32 MHz. Remote commands similar to plain text allow for further evaluation using add-on software and hardware analysis tools. Additionally, the NRA is suitable for use as the RF frontend (DSP) in the satellite communications range, e.g. in measurement and control systems, where constellation diagrams and quantities such as MER (modulation error ratio), EVM (error vector magnitude) or Eb/NO (energy per bit to spectral noise density) are required.

The number of samples (bins) in Spectrum Analysis mode has been increased to more than 600,000. This means that users can measure e.g. a spectrum 6 GHz wide with a bin separation of about 10 kHz without needing to tune to different ranges, and with a free choice of one or more result types (instantaneous (actual) value, maximum value, average value, etc.).

The NRA provides authorities, measurement service providers and transmitter operators – especially teleport operators – with the means to monitor the spectrum locally or remotely (spectrum monitoring complying with ITU-T), to check the signal quality, to determine interference, and to make use of or lease unoccupied frequency gaps (multi-carrier spectrum filling).

The NRA family

Depending on the device type, Narda Remote Spectrum Analyzers cover a frequency range from 9 kHz to 6 GHz with resolution bandwidths from 10 Hz up to 32 MHz. They can be integrated into practically any test and monitoring environment thanks to the Ethernet interface (100BASE-TX) and plain text remote control commands in ASCII. Rapid transmission of large quantities of data is possible in binary format. The application-oriented operating modes are: spectrum analysis (Spectrum), parallel power measurement in different channels (Multi-Channel Power), measurement of RMS and peak levels (Level Meter) and capturing the time characteristic of a signal (Scope and I/Q Data).

All NRA devices are 1U (height unit) high and weigh less than five kilos. The power consumption of less than 25 VA means that they operate silently, without the need of forced ventilation. They are therefore ideal for use in mobile systems or in confined spaces.

You can find more information along with a press photo under
www.narda-nra.com > Press

Narda is a leading supplier of measuring equipment in the RF safety, EMC and RF testing sectors. The RF safety product spectrum includes wideband and frequency-selective measuring devices, and monitors for wide area coverage or which can be worn on the body for personal safety. Under the PMM brand, Narda offers instruments for determining the electromagnetic compatibility (EMC) of devices. The RF testing sector covers analyzers and instruments for measuring and identifying radio sources. The range of services includes servicing, calibration, and training programs. The company operates a management system complying with ISO 9001/2008 and ISO/IEC 17025.

Narda has development and production facilities at three locations: Hauppauge, Long Island / USA, Pfullingen / Germany and Cisano / Italy and has its own representative in Beijing / China. A worldwide network of representatives guarantees closeness to customers.

Narda is part of **L-3 Communications**, New York.

For more information, contact:

Public Relations Partners
Gesellschaft für Kommunikation mbH
Kristen Prochnow / Matthias Knotzer
Postfach 1310
D-61468 Kronberg bei Frankfurt
Tel.: +49 6173 9267 32
Fax: +49 6173 9267 67
E-mail: prochnow@prpkronberg.com
knotzer@prpkronberg.com
http://www.prpkronberg.com

Narda Safety Test Solutions GmbH
Sandwiesenstr. 7
D-72793 Pfullingen
Tel.: +49 7121 97 32 0
Fax: +49 7121 97 32 790
E-mail: support@narda-sts.de
http://www.narda-test-solutions.de
http://www.narda-sts.de