

Remote Analyzer with receiver characteristics

**Second generation of the NRA Analyzer family
from Narda Safety Test Solutions
with new RF module**

Pfullingen, November 26, 2014 – Narda Safety Test Solutions has announced a new generation of RF analyzers: NRA RX. These 19” rack mount devices analyze RF signals up to 6 GHz in the frequency and time domains, and exhibit receiver characteristics at the same time, thanks to a new high frequency receiver section. They are therefore ideal for radio monitoring applications.

The new RX version of the NRA Remote Analyzer has been equipped with an RF module that has been specially developed for low phase noise and low intrinsic interference. The analyzers can yield spectrums comprised of up to 600,000 frequency points with time resolutions as fine as around 30 nanoseconds. Unusually high channel bandwidths can be captured with the intermediate frequency bandwidths of up to 32 MHz. With software, users can freely define up to 500 channels or frequency ranges to be monitored. The demodulation function makes it possible to directly hear FM, AM, USB, LSB and CW signals using external headphones.

The devices are primarily designed for use in automated and remote controlled measuring systems. A 10 MHz reference input is provided for synchronization to the system frequency. Stand-alone operation with a PC is also possible.

There are two models available: NRA-3000 RX (9 kHz – 3 GHz) and NRA-6000 RX (9 kHz – 6 GHz). They can be ordered right now.

The NRA RX family

Depending on the device type, Narda Remote 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 RX devices are 1U (height unit) high and weigh less than five kilos. The power consumption of less than 20 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.

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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.

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