Press Release

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Electromagnetic area monitoring complying with ITU-T K.83

New Area Monitors from Narda Safety Test Solutions simplify wide-area measurement data collection

Pfullingen, May 6, 2015 – New on the market from Narda Safety Test Solutions is the AMB-8059, a wideband Area Monitor that monitors electromagnetic fields up to 7 GHz in conformance with the ITU-T Recommendation K.83. The data can be accessed via Ethernet or GSM/UMTS. The "EMF Observatory" software integrates several Area Monitors into a wide area coverage monitoring system.

The new type AMB-8059 Area Monitors monitor electromagnetic fields in accordance with the ITU-T Recommendation K.83: Monitoring of electromagnetic field levels. Depending on the probes used, they capture electric field strengths in the frequency range 100 kHz to 7 GHz. The lower frequency range from 10 Hz to 5 kHz is covered by probes for electric and magnetic fields.

The Area Monitor stores the measurement data internally. This can then be accessed locally using Ethernet, USB or RS232, or transferred to SD Card, or remotely by transmission via a mobile modem. If required, the monitor also transmits its position as GPS coordinates along with the measurement data. Each monitor is completely autonomous, thanks to power from solar cells, with a reserve of up to 80 days operation in darkness.

Probes

The monitors can be equipped with various probes. For example, Narda offers a quad-band electric field probe for monitoring public spaces and residential areas. This selectively measures three mobile phone bands and also the entire wideband range from 100 kHz to 7 GHz without resorting to deceptive computing such as additions or subtractions. The Area Monitor can be equipped with probes for the electric and the magnetic field for measurements in industrial environments where low frequency high currents flow, so both near field components are measured separately to comply with regulations.

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System software

A web based monitoring system that has wide area coverage and is time contiguous can be set up using the “EMF Observatory” software. This automatically collects the data from the Area Monitors, stores it on a server, generates reports and statistics, and reacts immediately to alarms such as when limit values are exceeded or to messages about the operating status of individual stations. The user interface is designed so that it can be operated almost without any prior training.

You can access the data from a test installation by following this link: http://www.measurements.gr/map/item/235-310wk51238_test_pfullingen

You can also find this text and the press image under www.narda-sts.com > Company > 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 / Tatjana Schmidt
Bleichstr. 5
D-61476 Kronberg
Tel.: +49 - (0) 6173/9267-14
Fax: +49 - (0) 6173/9267-67
e-mail: prochnow@prpkronberg.com
schmidt@prpkronberg.com
http://www.prpkronberg.com

Narda Safety Test Solutions GmbH
Sandwiesenstr. 7
D-72793 Pfullingen
Tel.: +49 - (0) 7121/97 32 - 0
Fax :+49 - (0) 7121/97 32 - 790
e-mail: info.narda-de@L-3com.com
http://www.narda-sts.com

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