Press release

For immediate publication

SRM-3006 from Narda Safety Test Solutions now with LTE option

Selective measurement of electromagnetic fields from LTE wireless communications antennas

Pfullingen, May 24, 2012 – Narda Safety Test Solutions has equipped the frequency selective field measuring instrument SRM-3006 with an LTE option. The instrument measures the electromagnetic fields emanating from LTE wireless communications stations in their entirety as well as according to cells and their antennas automatically. The instrument can also extrapolate the results to determine the immission that would occur when transmission capacity is fully utilized.

Upcoming regulations on human and environmental protection not only require measurement of the instantaneous field exposure at an antenna site, but also demand separate recording of the proportions due to the individual antennas and extrapolation to determine the exposure at maximum traffic load. All these requirements are met by the SRM-3006 with its new LTE option.

The Selective Radiation Meter SRM-3006 obtains the LTE-specific information by demodulating control and information channels that are part of the LTE signal. The instrument automatically extracts the Cell ID from the Primary and Secondary Sync Signals (PSS, SSS) and determines the transmitting antennas from the Reference Signal (RS). All the levels of these signals can be shown at the same time and in detail down to each individual antenna. Settable extrapolation factors allow calculation of the field exposure at maximum transmission load.

As a spectrum analyzer, the SRM-3006 can completely cover all LTE bandwidths from 1.4 MHz to 20 MHz or select individual frequency channels down to 15 kHz. The instrument displays the continuous time characteristic of the signal level in Scope mode, so that the levels of the sync signals PSS and SSS can be identified even though they are present only in a few timeslots. The SRM-3006 automatically records peak values in Level Meter mode.

The SRM-3006 can automatically evaluate the field exposure in accordance with current human safety standards. Wireless communications operators and authorities therefore mainly use it for monitoring limit values. Its analysis features also make it suitable for checking signal integrity and for detecting impairments.

The LTE option is available with immediate effect. Older instruments can be retrofitted.

Basic information about the SRM-3006

The Selective Radiation Meter SRM-3006 from Narda Safety Test Solutions was specially developed for environmental and safety measurements in electromagnetic fields. The instrument covers the entire frequency range from 9 kHz to 6 GHz with its isotropic antennas. It can therefore be used for applications ranging from safety investigations in the near field of long wave transmitters, through to measurements on radio and TV transmitters, and on up to exposure measurements on the latest generation of wireless communications services.

This text and a press image can also be found under
www.narda-sts.de > Literature > Press Reports

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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