5G Workshop

"Field strength measurements at 5G base stations with the SRM-3006“

Date: Wednesday, October 5, 2022; 9.00 a.m. until 5.00 p.m.

Location: Wandel & Goltermann Museum; Sandwiesenstraße 7; 72793 Pfullingen, Germany

Open map: Google Bing Apple

1 Overview

This flyer briefly describes the main contents of a one-day workshop on the measurement and evaluation of high-frequency electromagnetic fields generated by 5G base stations using the SRM-3006 to ensure compliance with RF exposure safety standards.

The workshop is divided into four blocks of 90 minutes each. It is mainly aimed at persons regularly working in the field of RF exposure measurement and assessment, e.g.

- Employees of regulatory and licensing authorities
- Employees of federal radiation protection authorities, environmental ministries and agencies
- occupational safety officers of mobile network operators
- members of university institutes dealing with EMF measurements
- personnel of expert offices for the measurement of electromagnetic fields in the context of personal protection

2 Workshop contents

The workshop will focus on the correct determination of the maximum possible radiofrequency fields generated by 5G base stations at the measurement location. In detail, the following topics will be covered:

Theory:

- Important differences of 5G systems compared to 4G (LTE) systems
- Influence of beamforming antennas on the exposure situation
- Challenges for a correct exposure determination at 5G sites with beamforming antennas

Practice:

- Measurement of actual 5G field strength level: which operating mode of the SRM 3006 is best for this purpose? Correct setting of the device parameters
- Determination of the maximum RF emission at 5G sites without beamforming antennas
- Determination of the maximum RF emission at 5G sites with beamforming antennas
- Practical demonstration: working with the new code-selective 5G measurement mode of the SRM-3006
- Extrapolation of code-selective measurement results to the situation of maximum radiated power using the antenna patterns of broadcast and traffic beams
- Some examples of measurement and extrapolation results at 5G sites

3 About the trainer

The workshop will be conducted by Prof. Dr.-Ing. Matthias Wuschek. He has been teaching communications engineering and mobile communications at the Deggendorf Institute of Technology since 2000 and heads the university's communications engineering and EMC laboratories. Since more than 20 years Prof. Wuschek has been intensively involved in developing strategies for the measurement of electric, magnetic and electromagnetic fields for environmental protection and personal safety purposes.

Workshop Fee: € 590,00

Lecture Language: English (Documentation in English)

Terms of payment: prepayment

General information:

The number of participants is strictly limited; applications must be submitted no later than 11 days before the workshop date. If not enough participants register, we reserve the right to cancel the event at short notice. Fees include lunch, drinks, and refreshments and the workshop documentation. You will receive a short confirmation e-mail message when we have received and registered your application. We will then mail you confirmation of registration as well as the address of the course location and directions on how to get there. You will receive the invoice directly from your supplier. We offer 10% discount per person for two or more participants from the same company. However, this only applies if these persons register together. You may cancel your application without charge up to 10 days before the workshop date. 50% of the course fee will be charged if you cancel after this date. The full cost will be charged for no shows or cancellations made less than 3 days before the event. Cancellations must be made in writing. You can transfer your place to another person. Fees do not include any applicable taxes.

Please also note that due to Corona, our speaker, Prof. Dr.-Ing. Matthias Wuschek, could also be cancelled at short notice or it may not be possible for us to organise the workshop due to an increasing number of Corona infections. In this case we would have to postpone the workshop to another date. Unfortunately, we have no influence on this and ask for your understanding.

Registration for 5G Workshop
„Field strength measurements at 5G base stations with the SRM-3006“

Please send your registration directly to info@narda-sts.com

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Workshop-Fee: 590,00 €

Participant’s Surname, Forename(s) _____

Position / Department _____

Telephone / Fax _____

E-mail (for confirmation of receipt) _____

Company name _____

Address / PO box _____

City / ZIP or postcode /Country _____

Name of your supplier (SRM-3006)
(if known) _____

Date / Signature _____

Send confirmation to
(only if different to participant) _____

Send invoice to
(only if different to participant) _____

☐ I hereby permit my personal data to be used for the purpose of providing Narda and its Sales Partners with information, whereby my data will be compared against the international anti-terrorism list under EU law and subject to a Restricted Party Screening in the USA. If you object to this match, participation in the workshop is unfortunately not possible for you.

☐ I hereby permit Narda Safety Test Solutions GmbH to regularly send me by email information about its product range (e.g. in the form of a Newsletter). I can withdraw this permission at any time.