

4.3 EMF-Safety:

Narda: Standard compliant EMF measurement solutions from 0 Hz to 90 GHz—plannable future security with 5G reserves. → To [press release](#)

5G is coming online. Are you ready for it? The first test networks are up and running, wide area coverage is ready to roll. High time to get your field strength measuring equipment up to date for location certification and health and safety requirements. 5G doesn't just bring with it higher bandwidths, the frequencies are higher, too. The common mobile communications frequency bands are supplemented by frequencies that were formerly reserved for directional radio links, so there are plans to use the 25 GHz to 30 GHz band as well as bands above 60 GHz. If you are looking for [wideband measuring devices](#) for up to 90 GHz or [personal monitors](#) up to 100 GHz, you need look no further than Narda. Take a look at our website, and get ready for the future with Narda technology.



Narda: Standards-compliant EMF measurement solutions from 0 Hz to 90 GHz – planning security for the future with 5G reserves

Phyllingen, December 16, 2017 - Standards-compliant EMF measurement solutions for electrical and magnetic fields from Narda STS ensure customers are fully equipped for the future - including 5G. With outstanding flexibility and suitable for virtually all applications - regardless of the frequency range above 1 GHz - users of the Narda STS field strength meter can enjoy the benefits of tomorrow's advanced technology today.

New additions to the range of products for Narda's rugged professional field meters (SRM) include the SR-3001 (30 MHz to 30 GHz) and SR-3002 (100 MHz to 30 GHz) electrical field probes for the measurement of field strengths in the highest frequency and include wave horns - in early November 2017, these were joined by the SR-3003 magnetometer - Narda's new solution probe for the lowest frequency band. This provides frequency-selective analysis of static and low-current magnetic fields from 0 Hz (DC) to 1 kHz and compensates the problem of the noise and of the gradient. The newly developed magnetic field probe offers a high dynamic range of 120 dB and is also highly recommended for use in occupational health and safety applications. It is ideal for evaluating field exposure in manufacturing industry compliance with high static magnetic fields in accordance with the European Directive 2013/03/EU. The SR-3003 incorporates non-destructive Hall effect sensors that cover an extremely wide measurement range from 40 µT to 10 T (1000 Gauss). The device is a single device. The instrument can be controlled using the SR-3001 P.I.P.E. software (remote program) and from the SR-3002 also via the right file. Typical applications include safety measurements in the areas of construction, industrial, medical, scientific, research, permanent magnets and field protection.

The high level of planning and Narda already covers all the possible solution measurements, from 0 Hz to 10 GHz, and probably be achieved in the 100 GHz range, in particular, as the SR-3003 will be used here for the compliance and health and safety equipment because nearly 100



→ For newcomers, experienced and professional users of selective measuring devices, we offer the [seminar: “Exposure measurements on RF transmitters using the SRM-3006”](#). You can find details of our seminars here or contact our local [sales partner](#) to make individual arrangements.