



## Radio Frequency Engineering Seibersdorf

We are pleased to send you the Newsletter 1/2023 "RF-Engineering" of Seibersdorf Laboratories.

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## EMC Exhibition Stuttgart

This year we are represented at the EMV 2023 exhibition from March 28<sup>th</sup> – 30<sup>th</sup> in Stuttgart. At our booth **C2-317** our experts: Leopold Heiss, Patrick Preiner, Martin Zöchling, Gernot Schmid and Wolfgang Müllner are available and appreciate meeting you.

If you need an entry voucher, please contact our secretary [[Email: Bettina Wachtler](mailto:Bettina.Wachtler@seibersdorf-lab.com)].

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## MF-EASY

### Magnetic Field Exposure Assessment **SY**stem

- Fully isotropic, simultaneous multi-channel time domain measurements of magnetic induction.
- Scalable number of fully isotropic measurement channels: 5 / 10 / 15
- DC up to 400 kHz by combined iso-centric Hall- and Coil-based sensors
- Probe sizes: 100 cm<sup>2</sup>, 3 cm<sup>2</sup>, Ø 12 mm (Hall probes), others on request
- Broadband Dynamic Range (depending on probe): 60 nT – 100 mT (3T)
- Spectral Noise floor (after FFT): < 2 nT @ 50 Hz, < 1 nT @ > 100 Hz
- Flexible analysis software for specific assessment regimes (WPM, MFR, etc.) and acc. to different standards (ICNIRP 1998, ICNIRP 2010, etc.)

>> more about MF-EASY



## RefRad X - New version available

The improved comb generator RefRad X is a reliable and worldwide used tool for System checks of radiated and conducted emission set ups in the frequency range of 10 kHz to 3 GHz.

### Key features:

- line spacing :10 kHz, 1 MHz and 5 MHz
- Highly accurate local oscillator (frequency stability  $\pm 20$  ppb)
- Frequency adjustment within  $\pm 5$  ppb possible
- Increased battery performance
- OLED Display
- Excellent Radiation Pattern
- LISN Coupler
- Including accredited calibration certificate

>> more about RefRad X



## Accredited Calibration Service

Hightech Calibration facility

Seibersdorf Laboratories offers accredited calibrations of following equipment:

- EMF test systems (frequency selective)
- EMF test systems (broadband)
- Field strength transfer standards (e.g. RefRad)
- Line Impedance Stabilisation Network (LISN)
- Current Probe
- Cable, attenuator, coupler
- Antenna
- Field Probe

>> more about our Accredited Calibration Service



## Site Validation - NSIL

The standardization project for CISPR 16-1-4 / EN IEC 55016-1-4 reached its final stage (CIS/A/1389/FDIS) after five years of development. The new standard will describe site validation of anechoic chambers in the frequency range from 9 kHz to 30 MHz.

We propose to use our Precision Loop Antenna Set (PLA-SET)

for this purpose. The advantages are simple handling,  
contained software CalStan 11 and included accredited  
calibration.

[>> more about Site Validation - NSIL](#)

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Contact of the data protection officer [datenschutz@seibersdorf-laboratories.at](mailto:datenschutz@seibersdorf-laboratories.at)

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