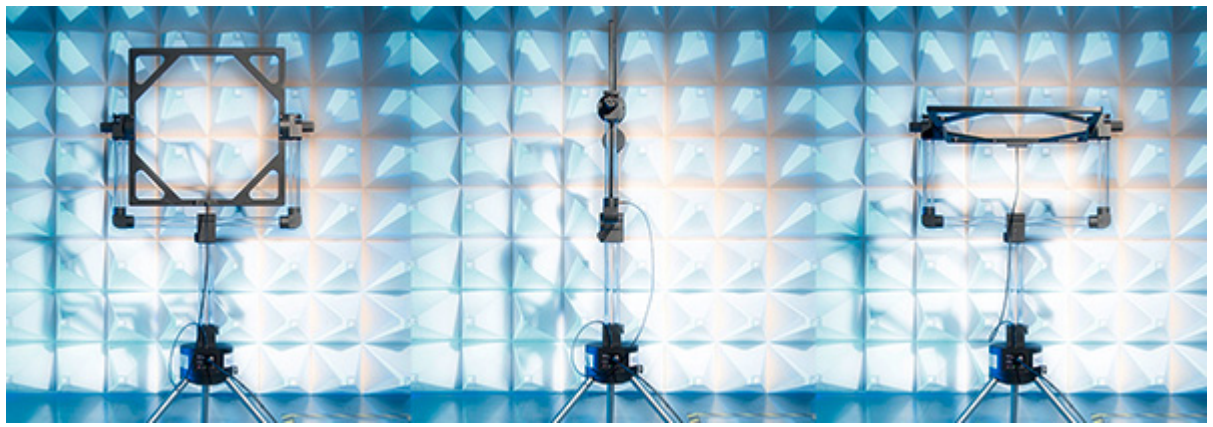
SEIBERSDORF LABORATORIES



Radio Frequency Engineering Seibersdorf

We are pleased to send you the Newsletter 1/2024 "RF-Engineering" of Seibersdorf Laboratories.

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emv

Cologne, 12 – 14 March 2024

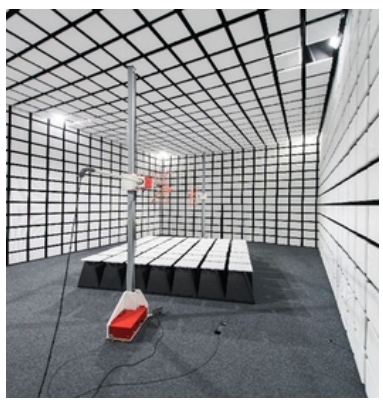
EMC Exhibition Cologne

This year we are represented at the EMV 2024 exhibition from March 12th – 14th in Cologne. Our experts Leopold Heiss, Patrick Preiner, Michael Trischitz and Wolfgang Müllner are available and appreciate meeting you at our **booth 11.1-414**. You're welcome to reserve a timeslot for a meeting to ensure that we have plenty of time.

If you need an entry voucher for the exhibition or for reserving a timeslot, please contact our secretary [Email: Bettina Wachtler].

EMC Congress Cologne

Michael Trischitz presents our latest research about: "Validation procedures for Automotive Anechoic Chambers from 1 to 6 GHz" on March 12th at 4pm. (lecture in german)



Accredited Calibration Service

Hightech Calibration facility

Seibersdorf Laboratories offers accredited calibrations of the following equipment:

- Cable, attenuator, coupler
- Antenna
- Field Probe
- Current Probe

- EMF test systems
- Field strength transfer standards (e.g. RefRad)
- Line Impedance Stabilisation Network (LISN)

NEW: Accredited calibration of loop antennas up to 400MHz!

>> Calibration Service

Site Validation - NSIL

For magnetic field strength measurements in the frequency range 9 kHz up to 30 MHz a new standard has finally been published after five years development.

The actual standard **CISPR 16-1-4/AMD2 ED4** also describes the site validation of anechoic chambers and open area test sites for test distances of 3 m, 5 m and 10 m. Two procedures are described: the Normalized Site Insertion Loss (NSIL) respectively the Reference Site Method (RSM).

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 (NSIL, RSM).

>> NSIL

Validation of Reverb-Chambers

In the past years the request for this kind of validation measurements was constantly increasing and we started already more than 10 years ago to implement procedures and gain know-how.
We can offer accredited validations of reverberation chambers according to the standards: **ISO 11452-11, IEC61000-4-21, MIL-STD-461F/G and RTCA DO-160G.**
As we had a successful Audit in January 2024, we can soon add a new standard: **Defence Standard 59-411 Part 3 Issue 3** to our list.

Our motivated and well-trained experts are ready to validate your Reverb Chamber. We prefer to use your instruments like signal generator, power meter, spectrum analyser, power amplifier, coupler, antenna, … We will provide a calibrated field probe to measure the electrical field strength inside the chamber. Measurements and evaluation of results are done in a dedicated software developed by Seibersdorf.

More information on our webpage:

>> Validation of Reverb-Chambers

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