



CH-3003 Bern-Wabern, 1 March 2016

Measurement Services

EMC Laboratory

Valid from: 1 March 2016

The laboratory for electromagnetic compatibility (EMC) performs calibrations of EMC measuring instruments like antennas, field probes, coupling decoupling networks for example. Our measurement results are traceable to national standards and thus to internationally supported realizations of the SI units.

The services listed in this catalogue correspond to our standard measurement capabilities. Other services, with e.g. reduced measurement uncertainty or an extended measurement range, are possible and may be discussed directly with the responsible expert. In addition, our lab team with its considerable specialist knowledge is available for consultation and assisting in finding solutions to demanding metrological tasks in the field of electrical measurements.

Quotation

Customers are kindly requested to contact one of the following persons to ask for a quotation.

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1. Field Probes

- 1.1. Electric field probe
- 1.2. Magnetic field probe
- 1.3. Dosimeter

2. Antennas

- 2.1. Broadband antenna (Biconical, LogPer, Horn)
- 2.2. EMC Broadband antenna (BiLog)
- 2.3. Dipole Antenna
- 2.4. Antenna with module (Example Rohde & Schwarz HE200)
- 2.5. Loop Antenna
- 2.6. Monopol Antenna

3. EMC Measuring Apparatus

- 3.1. Coupling and decoupling network (CDN)
- 3.2. Injection clamp (EM)
- 3.3. Absorbing clamp (MDS)
- 3.4. Artificial mains V-network

4. Current probe

- 4.1. Passive current probe
- 4.2. Current probe with reading instrument

5. Shunt - Voltage Divider

- 5.1. Burst Adaptor
- 5.2. ESD Target

6. Voltage probe

- 6.1. Passive voltage probe
- 6.2. Voltage probe with reading instrument

7. Test Site

- 7.1. Normalised site attenuation (NSA)
- 7.2. Site VSWR
- 7.3. Radiated immunity calibration

8. Common Mode S-Parameters

- 8.1. One or Two Port

9. EMC: Immunity

- 9.1. Measuring instrument

10. Generator

- 10.1. Electroshock weapon
- 10.2. Plasma generator
- 10.3. Comb generator

11. Comparison

- 11.1. ESD generator (IEC 61000-4-2)
- 11.2. Field immunity (IEC 61000-4-3)
- 11.3. Fast transient/burst generator (IEC 61000-4-4)
- 11.4. Surge generator (IEC 61000-4-5)

12. Miscellaneous

- 12.1. ONIR measuring receiver
- 12.2. Absorbers