



EMC testing laboratory for CE mark



- **Test for emc directive 2004/108/CE**
- **Technical file for 2004/108/CE EMC directive**

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Laboratory

Enerdoor Laboratory specializes in the measurement and analysis of electromagnetic compatibility of systems in accordance with 2004/108/EC directive and FCC Part 15.

This CE directive has been in force since January 1996 which dictates all electric and electronic components in machinery and manufacturing plants must meet the minimum requirements as indicated by the directive.

We also provide filter solutions to meet the conducted, radiated, and immunity test requirements.



Laboratory

- Enerdoor Laboratory utilizes a mobile equipment lab to perform the necessary tests at the customer's site.*
- We have over 20 years experience providing testing services to the European market with locations in Germany and Switzerland.*
- Enerdoor Laboratory works closely with the CE standards committee in Europe.*
- We provide complete reporting and documentation of our client's testing results*

Testing Services

- Electromagnetic compatibility test in accordance with 2004/108/EC directive*
- Non-ionized radiation test in accordance 2004/40/EC directive*
- Tests and problem solving for low and high frequency disturbances in manufacturing machinery and production facilities*
- Technical reports for EMC 2004/108/EC directive and final certificate from notified body*
- Electro-Smog test in accordance with the European exposure limit*
- Technical training for the directive*

EMC Measurement and Standards Reference

Enerdoor Laboratory can perform specific compliance testing in the following markets: Machine tool, Wind power generation, Solar power generation, Medical devices, Household appliances, Welding devices, UPS systems, Power systems, Laboratory instruments, and Servo drives just to name a few.

Reference Standard	Emission Test
EN 55011/EN 55022	Radiated emission
EN 55014	Radiated Power
EN 55011/EN 55022/EN 55014	Conducted emission
EN 61000-3-2 / EN 61000-3-12	Harmonic emission

Reference Standard	Immunity Test
EN 61000-4-2	Electro static discharge immunity test
EN 61000-4-3	Radiated radio frequency immunity test
EN 61000-4-4	Electrical fast transient burst immunity test
EN 61000-4-5	Surge immunity test
EN 61000-4-6	Conducted radio frequency immunity test
EN 61000-4-8	Power frequency magnetic field immunity test
EN 61000-4-9	Pulse magnetic field immunity test
EN 61000-4-11	Voltage dips and voltage variation immunity test