



## Shielding room 1 & 2 (automotive tests)

### Description:

These shielded rooms are primarily used for carrying out conducted emission and immunity tests, especially for tests on electronic sub-assemblies with partly high or very special immunity requirements.

### Technical data:

Frequency range of test receiver from DC to 3 GHz

Oscilloscopes up to 10 GS/s and 1 GHz analogue bandwidth

HF current supply up to approx. 500 mA (up to 1 GHz)

ESD up to 30 kV charging voltage

DC supply up to 40 kW  
Source current (unipolar) up to 100 A  
Source current (bipolar) up to 50 A

High frequency power (10 kHz to 100 MHz) up to 150 W

High frequency power (up to 1000 MHz) up to 100 W



### Emission measurements according to standards / regulations, e.g.:

ISO 7637-2

Electrical disturbances from conduction and coupling – Part 2: Electrical transient conduction along supply lines

EN 55025 (CISPR 25)

Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurements for the protection of on-board receivers

### Immunity tests according to standards / regulations, e.g.:

ISO 7637-2

Electrical disturbances from conduction and coupling – Part 2: Electrical transient conduction along supply lines

ISO 11452-4

Component test – Part 4: Harness excitation methods

ISO 11452-8

Component test – Part 8: Immunity to magnetic fields

ISO 16750-2

Testing for electrical and electronic equipment – Part 2: Electrical loads

ISO 10605

Electrostatic Discharge (ESD)

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