



Shielding room 4 (automotive tests)

Description:

This shielding room is 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. Additionally, this room is used for measurements for shielding attenuation on HV cables (Line injection and triaxle method).

Technical data:

Frequency range from 10 Hz to 3 GHz

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

Vector network analyser (VNA) from 9 kHz to 4.5 GHz

AC supply up to 32 A/400 V

DC supply up to 40 kW

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

EN 55015 (CISPR 15)

EN 50289-1-6

EN 50289-1-11

IEC 62153-4-6

Measurements of radio disturbance characteristics of electrical lighting and similar equipment

Communication cable – Specification for test methods – Part 1-6: Electrical test methods – Electromagnetic performance

Communication cable – Specification for test methods – Part 1-11: Electrical test methods – Characteristic impedance, input impedance, return loss

Metallic cables and other passive components test methods – Part 4-6:

Electromagnetic compatibility – Surface transfer impedance – line injection method



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