



Shielding room 3 (industry / railroad / medicine)

Description:

This shielding room is primarily used for carrying out conducted emission and immunity tests on industrial, railroad and medicine equipment and components.

Technical data:

Frequency range from 10 Hz to 3 GHz

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

HF interference up to approx. 20 Vrms
(up to 230 MHz)

Burst pulses up to ± 4.4 kV

Surge pulses up to ± 6 kV

ESD up to 30 kV charging voltage

AC supply up to 32 A / 400 V (also three-phase
adjustable transformer) (63/125 A only unfiltered)

DC supply up to 40 kW

HF power up to 110 W (up to 400 MHz)



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

EN 55011 (CISPR 11)

Radio-frequency disturbance characteristics of industrial, scientific and medical equipment

EN 55016 (CISPR 16)

Measurements of high frequency radio disturbances and immunity

EN 55032 (CISPR 32)

Emission requirements of multimedia equipment

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

EN 61000-4-2

Electrostatic discharge

EN 61000-4-4

Electrical fast transient/burst

EN 61000-4-5

Surge

EN 61000-4-6

Conducted disturbances, induced by radio-frequency fields

EN 61000-4-8

Power frequency magnetic field

EN 61000-4-9

Impulse magnetic field

Issued: 01/2022

