

Applications

- Measurements on industrial, scientific and medical equipment according to IN EN test standards in our EMC laboratory
- further measurements on request

Features

Services offered:

- EMC pre-dimensions in preparation for certified tests
- Consulting on EMC measures
- Support in the application of testing standards

EMC testing standards:

DIN EN 55011

Emitted interference testing for industrial, scientific and medical electrical devices

- Interference voltage at the power supply connection in the frequency range 0.15MHz to 30MHz
- Electromagnetic interference radiation in the frequency range 30MHz to 1GHz
- extended measuring range **up to 3GHz** possible

DIN EN 61000-4-2

Electromagnetic compatibility (EMC)

Test of immunity to static electricity discharge/ ESD

- $\pm 4\text{kV} / \pm 8\text{kV}$

DIN EN 61000-4-3

Electromagnetic compatibility (EMC)

Test of immunity to radiated high-frequency electromagnetic fields

- Frequency range 80MHz to 1GHz
- extended measuring range possible from 26MHz

DIN EN 61000-4-4

Electromagnetic compatibility (EMC)

Testing of immunity to fast electrical disturbances/ burst

- capacitive coupling clamp and coupling networks

DIN EN 61000-4-6

Electromagnetic compatibility (EMC)

Testing of immunity to conducted disturbances induced by high-frequency fields

- Frequency range 0.15MHz to 80MHz

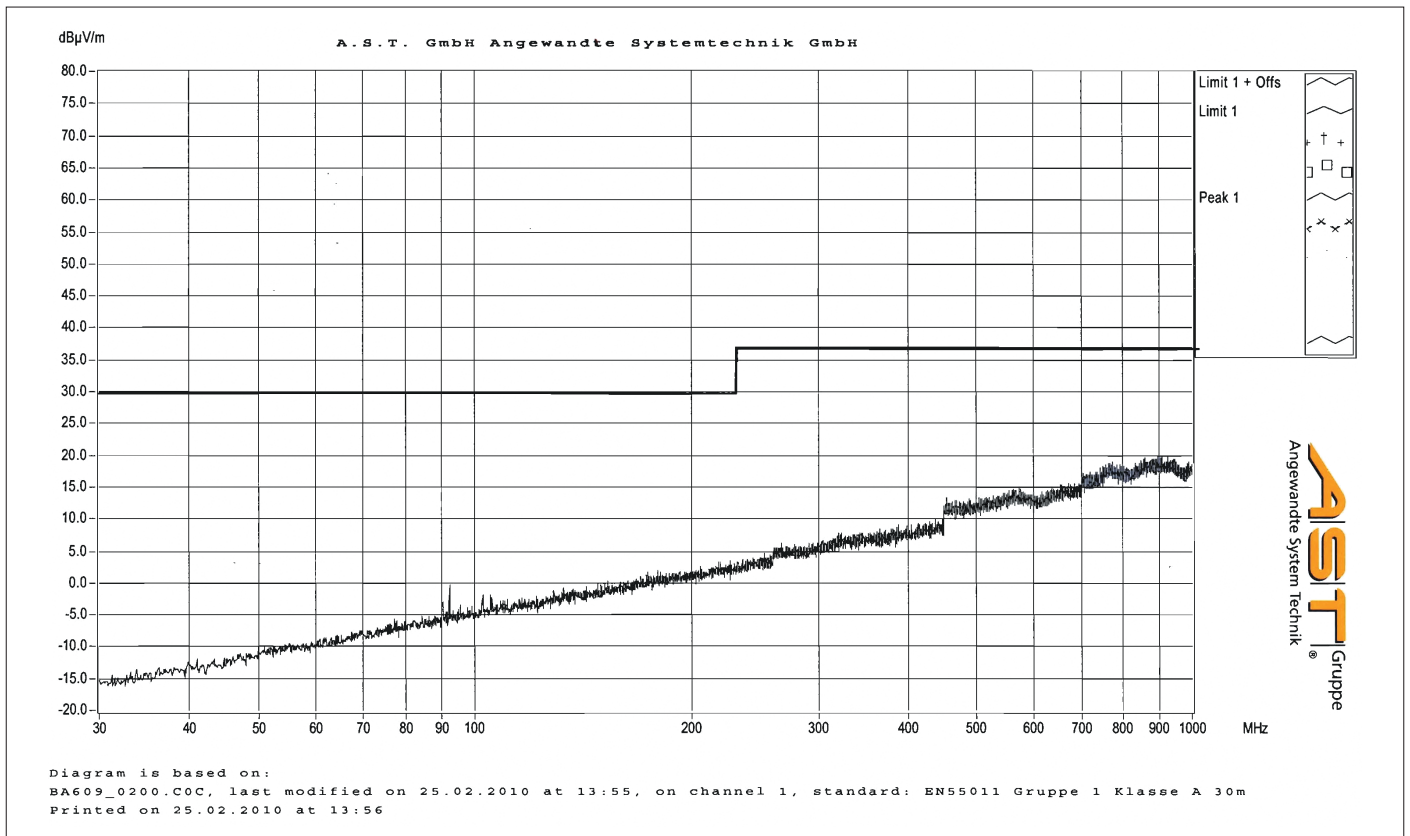
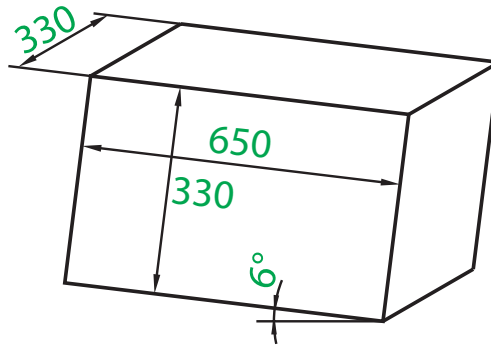
DIN EN 61000-4-8

Electromagnetic compatibility (EMC)

Test of immunity to magnetic fields with energy technical frequencies

- Mains frequency 50Hz/ 60Hz

Measuring space (data in mm)



Example: Protocol DIN EN55011

Order Example

Type code	EMC test standard	Description
1720046	DIN EN 55011	Emission measurement in the GTEM cell
1720047	DIN EN 55011	Measurement of conducted interference voltage with network simulation
1720048.01	DIN EN 61000-4-2	Immunity test ESD
1724330	DIN EN 61000-4-3	Immunity test in the GTEM cell
1720048	DIN EN 61000-4-4	Interference immunity test with burst generator
1722726	DIN EN 61000-4-6	Immunity test against conducted disturbances
1724008	DIN EN 61000-4-8	Immunity test magnetic field