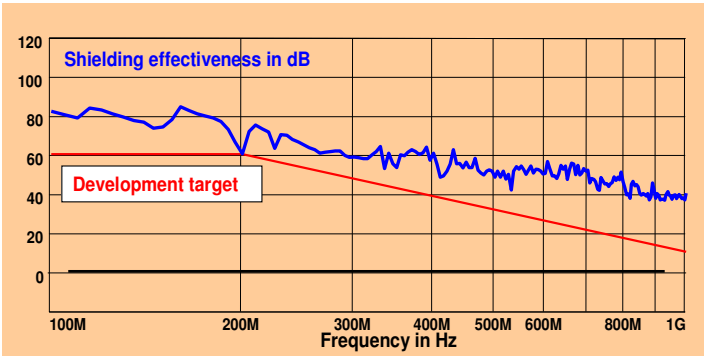
ELECTROMAGNETIC COMPATIBILITY / PRODUCT SAFETY

Shielding of cables, connectors and enclosures

Measurement of shielding effectiveness for enclosures, cabinets and shelters



- **IEC TS 61587-3 with variation in angle and height**
- **IEC 61000-5-7**
- **VG, Mil, NSG**

- **Enclosures**
- **Module racks**
- **Cabinets / racks**
- **Shelters**
- **Outdoor enclosures**
- **Containers**
- **Indoor rooms**

Shielding effectiveness of large enclosures and shelters according to IEC TS 61587-3 & IEC 61000-5-7

- Shielding is the key protective measure in the EMC concepts of many systems.
- IEC TS 61587-3 and IEC 61000-5-7 provide for comparable test results as they stipulate a defined free field attenuation and field homogeneity.
- Frequency and dynamic ranges can be adapted according to requirement.
- The test procedures quickly and accurately identify weak points.
- A standardized test method allows clear comparisons of products for consideration in the purchase of enclosures or use of proprietary designs. In this way, buyers of enclosures and system vendors do not bear the burden of costs and time invested in performing their own comparative measurements.
- Shielded effectiveness can be measured throughout all development phases in order to detect in good time any weak points, including those that may only emerge under specific climatic and/or mechanical conditions.
  You are assured quality from the very beginning.

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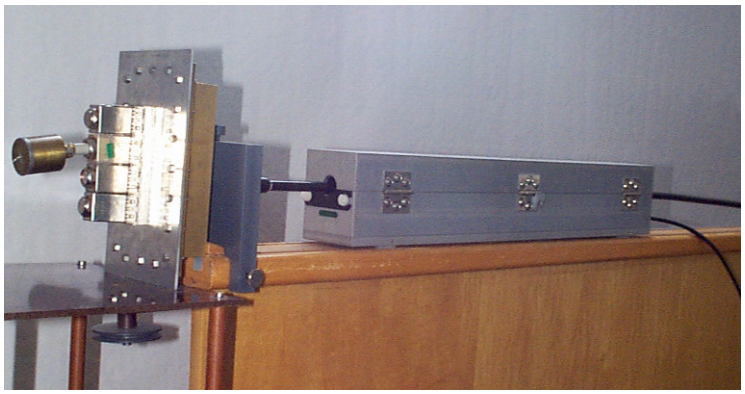
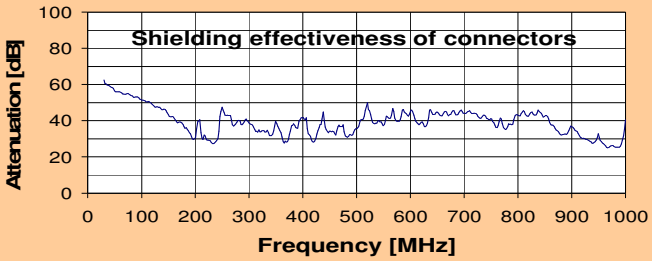
ELECTROMAGNETIC COMPATIBILITY / PRODUCT SAFETY

Measurement of the shielding effectiveness of connectors, cables, small enclosures and material samples



- Transfer impedance
- Surface impedance
- Shielded effectiveness
- Insertion loss

Frequency range
DC to 4 GHz



Methods

- Triaxial test duct
- Parallel wire / wire injection
- Absorbing clamp
- ASTM method (mini TEM cell)
- Near and far field measurements
- Numerical methods, etc.

- Small enclosures (housings)
- Card shields (frames)
- Module shields
- Component shields
- Optical fiber connectors
- Cables (also connectorized)
- Wiring
- Material samples

- DIN 47250-6
- DIN 41640-54
- IEC 96-1 A.2
- VG 95214-11/-12
- VG 95373-15, etc.

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