

APPLICATION NOTE

New editions of radiated immunity standards

IEC 61000-4-20 ed. 2.0 (2010-08)

Electromagnetic compatibility (EMC) - Part 4-20: Testing and measurement techniques - Emission and immunity testing in transverse electromagnetic (TEM) waveguides.

Available from the IEC webstore.

Changes include (among others):

- New field homogeneity validation criterion based on standard deviation of all points of the uniform field area
- Editorial changes
- Annex on E-field probe calibration

IEC 61000-4-22 ed. 1.0 (2010-08)

Electromagnetic compatibility (EMC) - Part 4-22: Testing and measurement techniques – Radiated emissions and immunity measurements in fully anechoic rooms (FARs).

Pre-release of the official standard available from the IEC webstore.

Major highlights:

- Single validation procedure for emission and immunity (15 points of a cylinder)
- Uniform measurement arrangement for emission and immunity
- Single method and facility for test and measurement below and above 1 GHz

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IEC 61000-4-21 ed. 2.0

Electromagnetic compatibility (EMC) - Part 4-21: Testing and measurement techniques - Reverberation chamber test methods.

Forecast publication date 2011-02.

Changes include (among others):

- Editorial changes, e.g. regarding recommended stirrer steps, stirred (continuous) mode, E-field estimate of EUT and others
- Annex on measurement uncertainty