SC CIS/H/Publication IEC 61000-6-4 Amend. 1 2010, Second edition/I-SH

ELECTROMAGNETIC COMPATIBILITY (EMC) –

Part 6-4: Generic standards – Emission standard for industrial environments

INTERPRETATION SHEET

This interpretation sheet has been prepared by CISPR subcommittee H: Limits for the protection of radio services, of IEC technical committee CISPR: International special committee on radio interference.

The text of this interpretation sheet is based on the following documents:

FDIS	Report on voting
CISPR/H/218/FDIS	CISPR/H/223/RVD

Full information on the voting for the approval of this interpretation sheet can be found in the report on voting indicated in the above table.

Interpretation

The requirement in Clause 8 "Measurement uncertainty" of IEC 61000-6-4 Amend. 1 ed. 2.0:

> ***8 Measurement uncertainty***
>
> *The measurement instrumentation uncertainty shall be determined according to CISPR 16-4-2, where applicable.*
>
> NOTE For a given test method, the actual value of U_{lab} has only to be recorded in the test report if the value is greater than U_{CISPR}.

shall be interpreted as follows:

The measurement instrumentation uncertainty shall be calculated and compared with the budgets defined in CISPR 16-4-2. For each applicable test method, whose instrumentation uncertainty budgets are higher than those defined in CISPR 16-4-2, compliance with the limits has to be determined according to CISPR 16-4-2 methodology. This requirement is only applicable for tests where an uncertainty budget is defined in CISPR 16-4-2.

The additional note was further clarification that there is no need to state in the test report the laboratory uncertainty budget U_{lab} if this is less than or equal to the U_{CISPR} defined in CISPR 16-4-2. However, it has to be mentioned in the test report that the instrumentation measurement uncertainty is determined according to CISPR 16-4-2.