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TECHNICAL REPORT

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INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

REDLINE VERSION

Television broadcast receivers and associated equipment – Immunity characteristics – Methods of objective picture assessment

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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TELEVISION BROADCAST RECEIVERS AND ASSOCIATED EQUIPMENT – IMMUNITY CHARACTERISTICS – METHODS OF OBJECTIVE PICTURE ASSESSMENT

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CISPR 29, which is a technical report, has been prepared by CISPR subcommittee I: Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers.

This second edition cancels and replaces the first edition published in 2004. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) update of the references, and

b) editorial improvements.

The text of this Technical Report is based on the following documents:

Draft TR	Report on voting
CIS/I/634/DTR	CIS/I/638/RVDTR

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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TELEVISION BROADCAST RECEIVERS AND ASSOCIATED EQUIPMENT – IMMUNITY CHARACTERISTICS – METHODS OF OBJECTIVE PICTURE ASSESSMENT

1 Scope

This document describes the algorithms used for objective picture assessment in immunity tests of analogue and digital TV broadcast receivers and associated equipment.

The algorithms used were developed on the basis of the specifications originally included in Annex K of CISPR 20:2002/AMD2:2004, the later edition of which has been replaced by CISPR 35:2016. The method of objective picture assessment described in that annex employs the same interference mechanism and is based on the same wanted signal definition as specified in ~~CISPR 20~~ CISPR 35 for subjective picture assessment. Objective picture assessment, therefore, constitutes an alternative to the subjective method and offers the advantage of direct correlation to the subjective method.

2 Normative references

~~The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.~~

~~CISPR 20:2002, *Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement*~~
~~Amendment 1 (2002)~~

~~ITU-R BT.500-10, *Methodology for the subjective assessment of the quality of television pictures*~~

~~ITU-R BT.801-1, *Test signals for digitally encoded colour television signals conforming with Recommendations ITU-R BT.601 (Part A) and ITU.R BT.656*~~

There are no normative references in this document.

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