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Request for publication of EN 55013:2009 under the EMC Directive (2004/108/EC)

relating to emission standard for sound and television broadcast receivers

Orgalime welcomes the opportunity to provide its views to the experts in the EMCD Working Party on the publication of the new edition of the European EMC emission standard for broadcast receivers (radios, television sets) and associated equipment (DVD-players, recorders) EN 55013:2009 in the Official Journal of the European Union.

We understand that the Commission has postponed its decision to publish this adopted Cenelec standard under the EMC Directive 2004/108/EC as a harmonised standard further to a negative opinion of the mandated CENELEC EMC consultant.

However, Orgalime believes that the European Commission should publish the reference of standard EN 55013:2009 in the OJEU without any change and without further delay. In our view, this version of the standard, which received the wide support from all parties involved, covers the essential emission requirements of the EMC directive, for the sound technical reasons which are detailed hereafter.

Technical considerations

The existing Quasi Peak (QP) and Average (AV) detectors in EMC test equipment simulate the reception of analogue broadcast receivers and are less suitable for simulating digital receivers. In response to the request for adequate assessment of interference to modern digital radio services technical subcommittee IEC CISPR/A standardized a new RMS-Average detector for simulating digital receivers. Following this work IEC CISPR/I/WG1, responsible for maintenance of CISPR 13, introduced this detector and its limits in the 5th edition of CISPR 13 as an alternative to the original QP and AV detector. During the development process of the draft, National Committee comments were duly considered in the WG and incorporated into the draft as much as possible.

With EN 55013:2009 CENELEC fully endorsed the worldwide standard CISPR 13 Ed.5 2009-06 without modifications The EN standard received a 100 % positive vote expecting that the standard would be listed under the EMC directive.

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The EN 55013 standard is adapted to accommodate the need for the adequate assessment of interference with modern digital radio services. Measurements show that the new detector and its limits offer similar protection to traditional analogue radio services.

However, in theory some equipment may exist with emissions at a very low pulse rate. The new detector is less sensitive to such emissions thus allowing a higher level of disturbances compared to devices with a normal pulse rate. This may cause some interference to analogue radio services. Nevertheless Audio/Video equipment with very low pulse rates is up to now not identified nor expected.

Therefore we have no doubts that this standard covers the essential emission requirements of the EMC directive.

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