



SLOVENSKI STANDARD
SIST EN 55013:2002/IS1:2009
01-september-2009

Nj c_cj b]]b'fUX]cX]Z n]g_]'gdfY^Ya b]]'g'df]dUXU^c c'cdfYa c'!'?UfU_hyf]gh_Y
cV i h^j cgh]nUfUX]g_Y'a clb^Y!'AY^bY'j fYXbcgh]]b'a Yf]bY'a YrcXY

Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Ta slovenski standard je istoveten z: **EN 55013:2001/IS1:2009**
<https://standards.iteh.ai/catalog/standards/sist/8963b51b-91c4-4430-82a4-ac018f190aa2/sist-en-55013-2002-is1-2009>

ICS:

33.100.99	Drugi vidiki v zvezi z EMC	Other aspects related to EMC
33.160.20	Radijski sprejemniki	Radio receivers

SIST EN 55013:2002/IS1:2009 **en,fr**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 55013:2002/IS1:2009](https://standards.iteh.ai/catalog/standards/sist/8963b5fb-91c4-4430-82a4-ac018f190aa2/sist-en-55013-2002-is1-2009)

<https://standards.iteh.ai/catalog/standards/sist/8963b5fb-91c4-4430-82a4-ac018f190aa2/sist-en-55013-2002-is1-2009>



Interpretation Sheet 1

EN 55013:2001 + A1:2003 + A2:2006

English version

Foreword

This Interpretation Sheet to the European Standard EN 55013:2001 + A1:2003 + A2:2006 was prepared by the Interpretation Panel of the Technical Committee CENELEC TC 210, Electromagnetic compatibility (EMC). The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC on 2009-05-22.

Requirements for DAB receivers

For Digital Audio Broadcast (DAB) receivers no requirements are specified for

- differential mode emissions at the antenna terminals, and
- radiated disturbances at 3 m distance.

This was clearly not the intention of the standard.

Question:

What are the requirements for DAB receivers?

Interpretation:

The requirements for broadcast receivers for digital signals are stated in Annex A, Broadcast receivers for digital signals (see A1:2003). Clause A.4, Limits of disturbance, states: "The relevant limits of Clause 4 apply".

In Clause 4, the applicability is given in the first column "Equipment type" of Tables 1 to 7.

Only Tables 1, 2 and 5 are relevant to DAB receivers:

- Table 1 – Limits of disturbance voltage at the mains terminals:
Limits apply to 'sound receivers' which include DAB receivers according to the definition under 3.1.1.
- Table 2 – Limits of disturbance voltage at the antenna terminals:
DAB receivers mainly operate in the TV-band III (174 - 240 MHz), therefore it is logical to assume that the requirements for television receivers (first row below heading) apply also to DAB receivers operating in this band. The limit for the Fundamental of the Local oscillator of DAB receivers operating in the L-Band (1 452 – 1 492 MHz) is equal (54 dB μ V) to the limit given for Harmonics of the Local oscillator.

- Table 5 – Limits of radiated disturbances at 3 m distance:

For the same reasoning as above the limits for television receivers (first row below heading) apply to DAB receivers.

Validity:

This interpretation remains valid until an amendment or updated standard dealing with this issue is published by CENELEC.

June 2009

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 55013:2002/IS1:2009](https://standards.iteh.ai/catalog/standards/sist/8963b5fb-91c4-4430-82a4-ac018f190aa2/sist-en-55013-2002-is1-2009)

<https://standards.iteh.ai/catalog/standards/sist/8963b5fb-91c4-4430-82a4-ac018f190aa2/sist-en-55013-2002-is1-2009>