



SLOVENSKI STANDARD
SIST EN 55020:2003/IS1:2007

01-oktober-2007

Nj c _c j b]]b'fUX]cX]Z n]g_]gdfY^Ya b]_]g'df]dUXU^c c'cdfYa c'!'?UfU_hyf]gh_Y
cXdcfbcgh]dfch]a cfb^Ua '!A Y^bY'j fYXbcgh]]b'a YrcXY'a Yf^b^U!'FUn`U] Urc _Y
) "+-%ghUbXUfXU9B`)) \$\$\$.&\$\$&

Interpretation of Subclause 5.7.1 of EN 55020:2002

Interpretation von Unterabschnitt 5.7.1 der EN 55020:2002

Interprtation du paragraphe 5.7.1 de la EN 55020:2002

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ICS:

| | | |
|-----------|--|---|
| 33.100.20 | Imunost | Immunity |
| 33.160.01 | Avdio, video in avdiovizualni sistemi na splošno | Audio, video and audiovisual systems in general |

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Interpretation Sheet 1**EN 55020:2002**English version

Foreword

This Interpretation Sheet to the European Standard EN 55020:2002 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 2004-11-01.

Subclause 5.7.1 – Measuring circuit and set-up

Eight paragraph: "The earth conductors of the cable at the signal generator output and of the networks RC₀, RC_i and MSF are connected to the metal plate."

See also Figure D.2 RC network for audio outputs (RC₀).

Question:

[SIST EN 55020:2003/IS1:2007](https://standards.iteh.ai/catalog/standards/sist/0c084b1f-da55-413d-af8b-733d378096e5/sist-en-55020-2003-is1-2007)

In a Balanced Transformer-Less (BTL) amplifier the loudspeaker is connected between the output of two amplifiers, which are 180 degrees out of phase. How may damage to a BTL amplifier be prevented, when during the test, the negative pole of the loudspeaker output is short-circuited to ground?

Interpretation:

A short-circuit of the output of a BTL amplifier (EUT) can be prevented by ensuring that there is only one connection of the EUT to the metal ground plate. During the immunity test at the loudspeaker output connector, the ground connection of the EUT should be made only via the RC₀ network and not via other networks or instruments.

Validity:

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

January 2007