

**Anechoic chambers - Part 2: Alternative
test site suitability with respect to site
attenuation**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 50147-2:2002 sisaldab Euroopa standardi EN 50147-2:1996 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 50147-2:2002 consists of the English text of the European standard EN 50147-2:1996.</p> <p>This document is endorsed on 18.12.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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English version

Anechoic chambers

Part 2: Alternative test site suitability with respect to site attenuation

Chambres anéchoïques

Partie 2: Aptitude d'un emplacement
d'essai de substitution en ce qui
concerne l'affaiblissement de
l'emplacement

Absorberräume

Teil 2: Eignung alternativer Meßplätze
bezüglich Meßplatzdämpfung

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
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Foreword

This European Standard was prepared by working group WG 4 of CENELEC Technical Committee TC 210, EMC.

It was submitted to the CENELEC Unique Acceptance procedure (UAP) in August 1994 and was approved by CENELEC as EN 50147-2 on 1995-07-04.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1996-09-01
 - latest date by which national standards
conflicting with the EN have to be withdrawn (dow) 1996-09-01
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1 Scope

There are many different test sites and facilities that have been constructed to make radiated emission measurements at frequencies above 30 MHz according to CISPR 16-1. Most are protected from the weather and the adverse effects of the radio frequency ambient noise. These include all weather covered open area test sites and absorber lined shielded enclosures.

Whenever construction material encloses a test site, there exists the possibility that the result of a single normalized site attenuation measurement as specified in subclause 16.6 of CISPR 16-1 is not adequate to show such alternate site suitability.

NOTE: Radiated emission sources located near dielectric interfaces have been shown to have variations in current distribution that can affect the radiated properties of the source at that location. When the EUT can be located near these interfaces, additional site attenuation measurements are required.

This standard specifies requirements for alternative test sites regarding site attenuation. As long as the document CISPR/A(CO) 63 is not published as part of CISPR 16, this standard shall be used for test site qualification.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications listed hereafter. Dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

IEC 50(161)	1990	International Electrotechnical Vocabulary (IEV) Chapter 161: Electromagnetic Compatibility
CISPR 16-1	1993	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1: Radio disturbance and immunity measuring apparatus

3 Abbreviations and definitions

3.1 Abbreviations

EUT	equipment under test (test sample including cabling)
NSA	normalized site attenuation (according to CISPR 16-1)

3.2 Definitions

For the purposes of this standard, the following definition and the definitions contained in IEC50(161) apply.

3.2.1 alternative test site

A location other than an open area test site, such as an all weather protected site, an absorber-lined room, a salt mine, a tunnel etc.