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IRISH STANDARD

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ICS 17.220  
29.020

**ANECHOIC CHAMBERS. PART 2:  
ALTERNATIVE TEST SITE SUITABILITY WITH  
RESPECT TO SITE ATTENUATION**

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Descriptors: Electromagnetic compatibility, tests, anechoic chambers, enclosures, specifications

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

This European Standard was approved by CENELEC on 1995-07-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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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conflicting with the EN have to be withdrawn (dow) 1996-09-01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.

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