



NSAI
Standards

Irish Standard
I.S. EN 55035:2017&A11:2020

Electromagnetic compatibility of multimedia equipment - Immunity requirements

I.S. EN 55035:2017&A11:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

EN 55035:2017/A11:2020

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National Foreword

I.S. EN 55035:2017&A11:2020 is the adopted Irish version of the European Document EN 55035:2017, Electromagnetic compatibility of multimedia equipment - Immunity requirements

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 55035:2017/A11

May 2020

ICS 33.100.20

English Version

**Electromagnetic compatibility of multimedia equipment -
Immunity requirements**

Compatibilité électromagnétique des équipements
multimédia - Exigences d'immunité

Elektromagnetische Verträglichkeit von Multimedialgeräten -
Anforderungen zur Störfestigkeit

This amendment A11 modifies the European Standard EN 55035:2017; it was approved by CENELEC on 2020-03-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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EN 55035/A11:2020 (E)

Contents	Page
European foreword.....	3
1 Modification to the title page	4
2 Modification to the European foreword.....	4

European foreword

This document (EN 55035/A11:2020) has been prepared by CLC/TC 210 "Electromagnetic Compatibility (EMC)".

The following dates are fixed:

- latest date by which this document has to be (dop) 2021-03-04
implemented at national level by publication of
an identical national standard or by
endorsement
- latest date by which the national standards (dow) 2022-07-28
conflicting with this document have to be
withdrawn

This document amends EN 55035:2017.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annexes ZZA and ZZB, which are an integral part of EN 55035:2017.

EN 55035/A11:2020 (E)

1 Modification to the title page

Add the following superseding notice to the title page:

"This document supersedes EN 55020:2007, EN 55024:2010 and EN 55103-2:2009 and all of their amendments and corrigenda (if any)."

2 Modification to the European foreword

Add the following superseding notice to the European foreword:

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EUROPEAN STANDARD

EN 55035

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2017

ICS 33.100.20

English Version

**Electromagnetic compatibility of multimedia equipment -
Immunity requirements
(CISPR 35:2016 , modified)**

Compatibilité électromagnétique des équipements
multimédia - Exigences d'immunité
(CISPR 35:2016 , modifiée)

Elektromagnetische Verträglichkeit von Multimediageräten -
Anforderungen zur Störfestigkeit
(CISPR 35:2016 , modifiziert)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

European foreword	3
Endorsement notice	4
1 Modification to Clause 1 "Scope"	4
2 Modification to Clause A.4 "Modified test levels and performance criteria"	4
3 Modification to Annexes	4
Annex ZA (normative) Normative references to international publications with their corresponding European publications	5
Annex ZZA (informative) Relationship between this European Standard and the essential requirements of Directive 2014/30/EU [2014 OJ L96] aimed to be covered	7
Annex ZZB (informative) Relationship between this European Standard and the essential requirements of Directive 2014/53/EU [2014 OJ L153] aimed to be covered	8
4 Modifications to Bibliography	9

European foreword

The text of document CISPR/I/522/FDIS, future edition 1 of CISPR 35:2016, prepared by CISPR SC I "Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers" of CISPR "International special committee on radio interference" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 55035:2017.

A draft amendment, which covers common modifications to CISPR 35:2016 (CISPR/I/522/FDIS), was prepared by CLC/TC 210 "Electromagnetic Compatibility (EMC)" and approved by CENELEC.

The following dates are fixed:

- latest date by which the document has to be implemented at (dop) 2018-01-28
national level by publication of an identical national
standard or by endorsement
- latest date by which the national standards conflicting with (dow) 2022-07-28
the document have to be withdrawn

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Endorsement notice

The text of the International Standard CISPR 35:2016 was approved by CENELEC as a European Standard with agreed common modifications.

COMMON MODIFICATIONS

1 Modification to Clause 1 "Scope"

Add the following new paragraph after the sentence "MME within the scope of CISPR 20 or CISPR 24 is within the scope of this document.":

For MME that falls within the scope of EN 300 386 or any part(s) of EN 301 489 series, the requirements within these product specific/product family standards take precedence over the requirements within this document.

2 Modification to Clause A.4 "Modified test levels and performance criteria"

In Table A.2 "Modified test levels for performance criterion A for the broadcast reception function", **replace** the following:

The tuned channel $\pm 0,5$ MHz (lower edge frequency - 0,5 MHz up to the upper edge frequency + 0,5 MHz of the tuned channel) is excluded from testing.

by the following:

Except for DVB-C, the tuned channel $\pm 0,5$ MHz (lower edge frequency - 0,5 MHz up to the upper edge frequency + 0,5 MHz of the tuned channel) is excluded from testing. For DVB-C, the disturbance levels are 3 V/m or 3 V, except in the tuned channel $\pm 0,5$ MHz (lower edge frequency - 0,5 MHz up to the upper edge frequency + 0,5 MHz of the tuned channel), where the disturbance level is 1 V/m.

3 Modification to Annexes

Add the following new annexes.



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Edition 1.0 2016-08

INTERNATIONAL STANDARD

NORME INTERNATIONALE



INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE
COMITÉ INTERNATIONAL SPÉCIAL DES PERTURBATIONS RADIOÉLECTRIQUES

**Electromagnetic compatibility of multimedia equipment – Immunity
requirements**

**Compatibilité électromagnétique des équipements multimédia – Exigences
d'immunité**



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CISPR 35

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE
COMITÉ INTERNATIONAL SPÉCIAL DES PERTURBATIONS RADIOÉLECTRIQUES

**Electromagnetic compatibility of multimedia equipment – Immunity
requirements**

**Compatibilité électromagnétique des équipements multimédia – Exigences
d'immunité**

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CONTENTS

FOREWORD.....	6
INTRODUCTION.....	8
1 Scope.....	9
2 Normative references.....	9
3 Terms, definitions and abbreviations	10
3.1 Terms and definitions	10
3.2 Abbreviations	15
4 Requirements	18
4.1 General requirements.....	18
4.2 Particular requirements	19
4.2.1 Electrostatic discharges (ESD)	19
4.2.2 Continuous RF disturbances.....	19
4.2.3 Power frequency magnetic field.....	21
4.2.4 Electrical fast transients/burst (EFT/B).....	21
4.2.5 Surges.....	21
4.2.6 Voltage dips and interruptions	21
4.2.7 Broadband impulsive conducted disturbances	21
5 Immunity requirements	23
6 Documentation	28
6.1 Test report	28
6.2 Advice to end-users	28
7 Test configuration	28
8 General performance criteria.....	29
8.1 General.....	29
8.2 Performance criterion A.....	29
8.3 Performance criterion B.....	30
8.4 Performance criterion C.....	30
9 Compliance with this document.....	30
10 Test uncertainty.....	30
Annex A (normative) Broadcast reception function	31
A.1 General.....	31
A.2 Applicability	31
A.3 Mode of operation	31
A.4 Modified test levels and performance criteria	33
Annex B (normative) Print function	35
B.1 Applicability	35
B.2 Mode of operation	35
B.3 Performance criteria.....	35
B.3.1 Performance criterion A.....	35
B.3.2 Performance criterion B.....	36
B.3.3 Performance criterion C	36
Annex C (normative) Scan function	37
C.1 Applicability	37
C.2 Mode of operation	37
C.3 Performance criteria.....	37

C.3.1	Performance criterion A.....	37
C.3.2	Performance criterion B.....	37
C.3.3	Performance criterion C	38
Annex D (normative)	Display and display output functions	39
D.1	Applicability	39
D.2	Mode of operation	39
D.2.1	Test signals and conditions	39
D.2.2	Display evaluation, for continuous disturbances	41
D.2.3	Display evaluation for power frequency magnetic field testing	43
D.3	Performance criteria.....	44
D.3.1	Performance criterion A for continuous radiated and conducted disturbances tests.....	44
D.3.2	Performance criterion A for the power frequency magnetic field tests	44
D.3.3	Performance criterion B.....	44
D.3.4	Performance criterion C	44
Annex E (normative)	Musical tone generating function.....	45
E.1	Applicability	45
E.2	Mode of operation	45
E.3	Performance criteria.....	45
E.3.1	General	45
E.3.2	Performance criterion A.....	45
E.3.3	Performance criterion B.....	46
E.3.4	Performance criterion C	46
Annex F (normative)	Networking functions.....	47
F.1	Applicability	47
F.1.1	General	47
F.1.2	Switching and routing function.....	47
F.1.3	Data transmission function	47
F.1.4	Supervisory function	47
F.2	Specific terminology for use within Annex F	47
F.3	General requirements for network functions	48
F.3.1	General	48
F.3.2	Configuration	48
F.3.3	Performance criteria.....	48
F.4	Requirements for CPE containing xDSL ports	50
F.4.1	Configuration and mode of operation	50
F.4.2	Performance criterion A.....	51
F.4.3	Performance criterion B.....	52
F.4.4	Performance criterion C	53
Annex G (normative)	Audio output function.....	54
G.1	Applicability	54
G.2	Specific terminology for use within this annex	54
G.2.1	acoustic interference ratio	54
G.2.2	acoustic reference level	54
G.2.3	audio output port.....	54
G.2.4	dBm0.....	54
G.2.5	demodulated audio level.....	54
G.2.6	electrical interference ratio	55
G.2.7	electrical reference level	55

G.2.8	loudspeaker	55
G.2.9	on-ear device	55
G.3	Overview	55
G.3.1	General	55
G.3.2	Ports to be tested	55
G.4	Reference level	56
G.5	Mode of operation	57
G.5.1	General	57
G.5.2	Gain setting	57
G.5.3	Audio frequency-response adjustments	57
G.5.4	Non-linear processing	57
G.6	Method of measurement	57
G.6.1	General	57
G.6.2	Electrical measurements	58
G.6.3	Acoustic measurements	58
G.6.4	Processes (not applicable to direct measurements)	59
G.7	Performance criteria	60
G.7.1	Performance criterion A	60
G.7.2	Performance criterion B	60
G.7.3	Performance criterion C	61
G.8	Test setup examples	61
Annex H (normative)	Telephony function	65
H.1	Applicability	65
H.2	General	65
H.3	Mode of operation	65
H.4	Performance criteria	66
Annex I (informative)	Immunity to specific radio technologies operating at frequencies of 800 MHz and above	67
Annex J (informative)	Examples of how to apply this document	69
J.1	Purpose	69
J.2	Developing the test plan	69
J.3	Specific examples	70
J.3.1	General	70
J.3.2	Example 1: A multifunction printer	70
J.3.3	Example 2: Flat panel television	72
J.3.4	Example 3: Notebook computer	74
J.3.5	Example 4: Small key telephone systems or PABXs	76
Bibliography	79
Figure 1	– Examples of ports	14
Figure 2	– Example schematic of the broadband impulsive conducted disturbances test setup	21
Figure 3	– Graphical representation of the continuous induced RF disturbances levels defined in table clause 2.1	23
Figure D.1	– Example colour bar image	41
Figure D.2	– Example test setup with a video camera system for use with a display	42
Figure D.3	– Example test setup for capturing the image directly from a display port	43
Figure F.1	– xDSL access system configuration	50

Figure G.1 – Example basic test setup for electrical measurements (direct connection to EUT).....	61
Figure G.2 – Example basic test setup for acoustic measurements	61
Figure G.3 – Example test setup for acoustic measurements on loudspeakers	61
Figure G.4 – Example test setup for on-ear acoustic measurements.....	62
Figure G.5 – Example test setup for on-ear acoustic measurements, microphone located away from earpiece transducer	62
Figure G.6 – Example test setup for measuring the sound pressure level from the acoustic output device of a telephone handset.....	63
Figure G.7 – Example test setups for measuring the demodulation on analogue wired network lines	64
Figure J.1 – Examples of different types of functions	70
Figure J.2 – Example of a typical small key telephone system or PABX.....	77
Table 1 – Immunity requirements for enclosure ports	24
Table 2 – Immunity requirements for analogue/digital data ports	25
Table 3 – Immunity requirements for DC network power ports	26
Table 4 – Immunity requirements for AC mains power ports	27
Table 5 – Test arrangements of EUT	29
Table A.1 – Examples of specifications of digital broadcast signals.....	32
Table A.2 – Modified test levels for performance criterion A for the broadcast reception function	34
Table D.1 – Prioritised list of display images	40
Table D.2 – Characteristics of a measurement video camera monitor system	43
Table E.1 – Subgroups and performance criteria A for the musical tone generating function	45
Table E.2 – Performance criteria for different subgroups given in Table E.1	46
Table F.1 – ITU-T recommendations for xDSL systems.....	51
Table F.2 – Attenuation values representing cable lengths.....	51
Table F.3 – Performance criteria against impulse duration	52
Table G.1 – Test requirements for various MME	56
Table G.2 – Measurement method and reference level setting	56
Table G.3 – Performance criterion A – Limits for devices supporting telephony	60
Table H.1 – Telephony functions, performance criteria.....	66
Table I.1 – Guidance on the selection of immunity levels to common wireless communication devices	68
Table J.1 – Test requirements for example 1: a multifunction printer	71
Table J.2 – Test details for example 1: a multifunction printer	72
Table J.3 – Test requirements for example 2: flat panel television.....	73
Table J.4 – Test details for example 2: flat panel television.....	74
Table J.5 – Test requirements for example 3: notebook computer	75
Table J.6 – Test details for example 3: notebook computer	76
Table J.7 – Example test configurations and performance assessment methods applicable to a PABX and associated terminals for continuous induced RF disturbance tests	78

INTERNATIONAL ELECTROTECHNICAL COMMISSION

INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

**ELECTROMAGNETIC COMPATIBILITY OF MULTIMEDIA EQUIPMENT –
IMMUNITY REQUIREMENTS**

FOREWORD

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International Standard CISPR 35 has been prepared by CISPR subcommittee 1: Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers.

The text of this standard is based on the following documents:

FDIS	Report on voting
CISPR/II/522/FDIS	CISPR/II/527/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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INTRODUCTION

This CISPR document establishes uniform requirements for the electromagnetic immunity of multimedia equipment. The test methods are given within this document or in referenced basic EMC immunity standards. This document specifies applicable tests, test levels, product operating conditions and assessment criteria.

ELECTROMAGNETIC COMPATIBILITY OF MULTIMEDIA EQUIPMENT – IMMUNITY REQUIREMENTS

1 Scope

NOTE Blue coloured text within this document indicates text aligned with CISPR 32. CISPR 32 contains the appropriate emission requirements above 150 kHz for the equipment within the scope of this document.

This document applies to multimedia equipment (MME) as defined in 3.1.24 and having a rated AC or DC supply voltage not exceeding 600 V.

MME within the scope of CISPR 20 or CISPR 24 is within the scope of this document.

MME with a broadcast reception function is within the scope of this document, see Annex A. MME with non-broadcast wireless interfaces is also within the scope of this document, however, compliance with this document does not require the assessment of the performance of these interfaces.

MME intended primarily for professional use is within the scope of this document.

MME for which immunity requirements in the frequency range covered by this document are explicitly formulated in other CISPR documents (except CISPR 20 and CISPR 24) are excluded from the scope of this document.

The objectives of this document are:

- to establish requirements which provide an adequate level of intrinsic immunity so that the MME will operate as intended in its environment in the frequency range 0 kHz to 400 GHz;
- to specify procedures to ensure the reproducibility of tests and the repeatability of results.

Due to technology convergence of the functions of MME, the performance criteria have been determined on a function-orientated basis rather than on an equipment-orientated basis.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CISPR 16-1-2:2014, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-2: Radio disturbance and immunity measuring apparatus – Coupling devices for conducted disturbance measurements*

IEC 61000-4-2:2008, *Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test*

IEC 61000-4-3:2006, *Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test*

IEC 61000-4-3:2006/AMD 1:2007

IEC 61000-4-3:2006/AMD 2:2010

IEC 61000-4-4:2012, *Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test*

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