## CONTENTS

**FOREWORD** ....................................................................................................................... 9  
**INTRODUCTION** ............................................................................................................. 13  
1 Scope and object ............................................................................................................ 15  
2 Normative references .................................................................................................. 15  
3 Definitions .................................................................................................................... 17  
4 Classification of ITE ...................................................................................................... 21  
4.1 Class B ITE ........................................................................................................... 21  
4.2 Class A ITE ........................................................................................................... 21  
5 Limits for conducted disturbance at mains terminals and telecommunication ports .... 21  
5.1 Limits of mains terminal disturbance voltage .......................................................... 23  
5.2 Limits of conducted common mode (asymmetric mode) disturbance at telecommunication ports ................................................................................. 23  
6 Limits for radiated disturbance ........................................................................................ 25  
6.1 Limits below 1 GHz ................................................................................................ 25  
6.2 Limits above 1 GHz ............................................................................................... 27  
7 Interpretation of CISPR radio disturbance limit ............................................................... 29  
7.1 Significance of a CISPR limit ................................................................................. 29  
7.2 Application of limits in tests for conformity of equipment in series production ....... 29  
8 General measurement conditions .................................................................................... 31  
8.1 Ambient noise ........................................................................................................ 31  
8.2 General arrangement ............................................................................................. 31  
8.3 EUT arrangement .................................................................................................. 37  
8.4 Operation of the EUT ............................................................................................. 41  
9 Method of measurement of conducted disturbance at mains terminals and telecommunication ports .......................................................................................... 43  
9.1 Measurement detectors ......................................................................................... 43  
9.2 Measuring receivers ............................................................................................... 45  
9.3 Artificial mains network (AMN) ............................................................................. 45  
9.4 Ground reference plane ......................................................................................... 45  
9.5 EUT arrangement .................................................................................................. 45  
9.6 Measurement of disturbances at telecommunication ports ..................................... 51  
9.7 Recording of measurements .................................................................................. 57  
10 Method of measurement of radiated disturbance ............................................................. 59  
10.1 Measurement detectors ......................................................................................... 59  
10.2 Measuring receiver below 1 GHz ........................................................................... 59  
10.3 Antenna below 1 GHz ............................................................................................ 59  
10.4 Measurement site below 1 GHz ............................................................................ 61  
10.5 EUT arrangement below 1 GHz ............................................................................ 63  
10.6 Radiated emission measurements above 1 GHz .................................................... 63  
10.7 Recording of measurements .................................................................................. 65  
10.8 Measurement in the presence of high ambient signals ............................................ 65  
10.9 User installation testing ......................................................................................... 65  
11 Measurement uncertainty .............................................................................................. 67
Figure D.3 – ISN with high longitudinal conversion loss (LCL) for use with one, two, three, or four unscreened balanced pairs ................................................................. 119
Figure D.4 – ISN, including a 50 Ω source matching network at the voltage measuring port, for use with two unscreened balanced pairs ......................................................... 121
Figure D.5 – ISN for use with two unscreened balanced pairs .............................................................................................................................. 123
Figure D.6 – ISN, including a 50 Ω source matching network at the voltage measuring port, for use with four unscreened balanced pairs ..................................................................... 125
Figure D.7 – ISN for use with four unscreened balanced pairs .............................................................................................................................. 127
Figure D.8 – ISN for use with coaxial cables, employing an internal common mode choke created by bifilar winding an insulated centre-conductor wire and an insulated screen-conductor wire on a common magnetic core (for example, a ferrite toroid) ................................................................................................................ 127
Figure D.9 – ISN for use with coaxial cables, employing an internal common mode choke created by miniature coaxial cable (miniature semi-rigid solid copper screen or miniature double-braided screen coaxial cable) wound on ferrite toroids ........................................................................................................................................ 129
Figure D.10 – ISN for use with multi-conductor screened cables, employing an internal common mode choke created by bifilar winding multiple insulated signal wires and an insulated screen-conductor wire on a common magnetic core (for example, a ferrite toroid) ........................................................................................................................................ 129
Figure D.11 – ISN for use with multi-conductor screened cables, employing an internal common mode choke created by winding a multi-conductor screened cable on ferrite toroids ........................................................................................................................................ 131
Figure F.1 – Basic circuit for considering the limits with defined TCM impedance of 150 Ω .............................................................................................................................. 145
Figure F.2 – Basic circuit for the measurement with unknown TCM impedance .............................................................................................................................. 145
Figure F.3 – Impedance layout of the components used in Figure C.2 ........................................................................................................................................ 149
Figure F.4 – Basic test set-up to measure combined impedance of the 150 Ω and ferrites ......................................................................................................................... 151

Table 1 – Limits for conducted disturbance at the mains ports of class A ITE ........................................................................................................................................ 23
Table 2 – Limits for conducted disturbance at the mains ports of class B ITE ........................................................................................................................................ 23
Table 3 – Limits of conducted common mode (asymmetric mode) disturbance at telecommunication ports in the frequency range 0,15 MHz to 30 MHz for class A equipment ........................................................................................................................................ 23
Table 4 – Limits of conducted common mode (asymmetric mode) disturbance at telecommunication ports in the frequency range 0,15 MHz to 30 MHz for class B equipment ........................................................................................................................................ 25
Table 5 – Limits for radiated disturbance of class A ITE at a measuring distance of 10 m ........................................................................................................................................ 25
Table 6 – Limits for radiated disturbance of class B ITE at a measuring distance of 10 m ........................................................................................................................................ 25
Table 7 – Acronyms used in figures ........................................................................................................................................ 67
Table 8 – Limits for radiated disturbance of Class A ITE at a measurement distance of 3 m ........................................................................................................................................ 27
Table 9 – Limits for radiated disturbance of Class B ITE at a measurement distance of 3 m ........................................................................................................................................ 27
Table A.1 – Normalized site attenuation (\(A_N\) (dB)) for recommended geometries with broadband antennas ........................................................................................................................................ 91
Table F.1 – Summary of advantages and disadvantages of the methods described in Annex C ........................................................................................................................................ 141
INTERNATIONAL ELECTROTECHNICAL COMMISSION
INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

INFORMATION TECHNOLOGY EQUIPMENT –
RADIO DISTURBANCE CHARACTERISTICS –
LIMITS AND METHODS OF MEASUREMENT

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Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers.


The technical content is therefore identical to the base edition and its amendments and has been prepared for user convenience.

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A vertical line in the margin shows where the base publication has been modified by amendments 1 and 2.

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

The committee has decided that the contents of the base publication and its amendments will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.
INTRODUCTION

The scope is extended to the whole radio-frequency range from 9 kHz to 400 GHz, but limits are formulated only in restricted frequency bands, which is considered sufficient to reach adequate emission levels to protect radio broadcast and telecommunication services, and to allow other apparatus to operate as intended at reasonable distance.
INFORMATION TECHNOLOGY EQUIPMENT –
RADIO DISTURBANCE CHARACTERISTICS –
LIMITS AND METHODS OF MEASUREMENT

1 Scope and object

This International Standard applies to ITE as defined in 3.1.

Procedures are given for the measurement of the levels of spurious signals generated by the ITE and limits are specified for the frequency range 9 kHz to 400 GHz for both class A and class B equipment. No measurements need be performed at frequencies where no limits are specified.

The intention of this publication is to establish uniform requirements for the radio disturbance level of the equipment contained in the scope, to fix limits of disturbance, to describe methods of measurement and to standardize operating conditions and interpretation of results.

2 Normative references

The following referenced documents are indispensable for the application 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.

IEC 60083:1997, Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC

IEC 61000-4-6:2003, Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields

CISPR 11:2003, Industrial, scientific, and medical (ISM) radio-frequency equipment – Electromagnetic disturbance characteristics – Limits and methods of measurement


Amendment 1 (2004)


Amendment 1 (2005)