

	<b>Káblové siete pre televízne signály, rozhlasové signály a interaktívne služby. Časť 2-1: Meranie elektromagnetickej kompatibility.</b>	<b>TNI CLC/TR 50083-2-1</b>  36 7211
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Cable networks for television signals, sound signals and interactive services - Part 2-1: Electromagnetic compatibility measurements

Táto technická normalizačná informácia obsahuje anglickú verziu CLC/TR 50083-2-1:2014.  
This Technical standard information includes the English version of CLC/TR 50083-2-1:2014.

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TECHNICAL REPORT

**CLC/TR 50083-2-1**

RAPPORT TECHNIQUE

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English Version

**Cable networks for television signals, sound signals and  
interactive services - Part 2-1: Electromagnetic compatibility  
measurements**

To be completed

Kabelnetze für Fernsehsignale, Tonsignale und interaktive  
Dienste - Teil 2-1: Messungen der elektromagnetischen  
Verträglichkeit

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

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<b>Contents</b>	<b>page</b>
Foreword .....	4
1 Scope .....	5
1.1 General.....	5
1.2 Specific scope of CLC/TR 50083-2-1 .....	5
2 Normative references .....	6
3 Term, definitions, symbols and abbreviations .....	6
3.1 Terms and definitions.....	6
3.2 Symbols.....	10
3.3 Abbreviations .....	11
4 Considerations on EMC measurements.....	11
4.1 General.....	11
4.2 General EMC measurement considerations.....	12
4.3 Envelope (peak) detection mode .....	13
4.4 Quasi-peak detection mode.....	13
4.5 Average detection mode .....	14
5 EMC measurement apparatus .....	14
5.1 Measuring receiver .....	14
5.1.1 General.....	14
5.1.2 The envelope detector.....	15
5.1.3 The peak detector .....	15
5.1.4 The quasi-peak detector.....	15
5.2 EMC analyser .....	16
5.3 Response of the measuring receiver (or EMC analyser) to disturbing signals .....	17
5.3.1 Sinusoidal signals .....	17
5.3.2 Analogue television signals .....	18
5.3.3 Impulse disturbance signals .....	18
5.3.4 Random impulse noise signals .....	21
5.4 Response of a spectrum analyser to disturbing signals .....	23
5.5 Correction factors for bandwidth and detectors .....	23
6 Measurement of analogue TV modulated signals .....	23
6.1 General considerations .....	23
6.2 Correction factors for bandwidth and detectors .....	24
7 Measurement of QAM modulated signals .....	24
7.1 Peak to average ratio.....	24
7.2 Correction factors for bandwidth and detectors .....	25
7.3 Correction factors between different detectors .....	26
7.4 Fraction of the time the mean power is exceeded.....	27
7.5 Linear operation of amplifiers.....	27
7.6 Measurements on cable modems .....	27
7.7 Measuring equipment setting for QAM signal level measurement .....	28
Annex A (informative) Field strength measurement.....	29
A.1 General.....	29
A.2 Connection of the equipment.....	29

A.3 Measurement procedure .....	29
A.3.1 Analogue modulated signals .....	29
A.3.2 Digitally modulated signals .....	30
A.4 Field strength due to a transmitted power .....	31
A.5 Received voltage due to a radiated field .....	32
Annex B (informative) LISN (Line Impedance Stabilisation Network) .....	34
Bibliography.....	35

## **Foreword**

This document (CLC/TR 50083-2-1:2014) has been prepared by CLC/TC 209 "Cable networks for television signals, sound signals and interactive services".

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

# 1 Scope

## 1.1 General

Standards and deliverables of EN 60728 series deal with cable networks including equipment and associated methods of measurement for headend reception, processing and distribution of television and sound signals and for processing, interfacing and transmitting all kinds of data signals for interactive services using all applicable transmission media. These signals are typically transmitted in networks by frequency-multiplexing techniques.

This includes for instance

- regional and local broadband cable networks,
- extended satellite and terrestrial television distribution systems,
- individual satellite and terrestrial television receiving systems,

and all kinds of equipment, systems and installations used in such cable networks, distribution and receiving systems.

The extent of this standardization work is from the antennas and/or special signal source inputs to the headend or other interface points to the network up to the terminal input of the customer premises equipment.

The standardization work will consider coexistence with users of the RF spectrum in wired and wireless transmission systems.

The standardization of any user terminals (i.e. tuners, receivers, decoders, multimedia terminals etc.) as well as of any coaxial, balanced and optical cables and accessories thereof is excluded.

## 1.2 Specific scope of CLC/TR 50083-2-1

This Technical Report describes EMC measurements using specific measuring apparatus or alternative methods of measurement (e.g. spectrum analyser) and applies to the radiation characteristics of EM-active equipment (active and passive equipment) for the reception, processing and distribution of television, sound and interactive multimedia signals as dealt with in the following parts of EN 50083 or EN 60728 series:

- EN 60728-3 "Active wideband equipment for coaxial cable networks";
- EN 60728-4 "Passive wideband equipment for coaxial cable networks";
- EN 60728-5 "Headend equipment";
- EN 60728-6 "Optical equipment";

and covers the following frequency ranges:

- 150 kHz to 30 MHz;
- 30 MHz to 1 GHz.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050-161, *International Electrotechnical Vocabulary (IEV) – Chapter 161: Electromagnetic compatibility*

EN 55016-1-1, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-1: Radio disturbance and immunity measuring apparatus – Measuring apparatus (CISPR 16-1-1)*

ISO/IEC Guide 99:2007, *International vocabulary of metrology - Basic and general concepts and associated terms (VIM)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**