ICS 33.060.40 PREDBEŽNÁ SLOVENSKÁ TECHNICKÁ NORMA September 2018

STN P	**Káblové siete pre televízne signály, rozhlasové signály a interaktívne služby Časť 2-3: Filtre na potlačenie rušenia LTE (4G) signálov**	**STN P CLC/TS 50083-2-3** 36 7211

Cable networks for television signals, sound Signals and interactive services - Part 2-3: LTE (4G) Interference Mitigation Filters

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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TECHNICAL SPECIFICATION

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English Version

Cable networks for television signals, sound Signals and interactive services - Part 2-3: LTE (4G) Interference Mitigation Filters

Réseaux de distribution par câbles pour signaux de télévision, signaux de radiodiffusion sonore et services interactifs - Partie 2-3 : Filtres d'atténuation du brouillage pour les réseaux LTE (4G)

Kabelnetze für Fernsehsignale, Tonsignale und interaktive Dienste - Teil 2-3: LTE (4G) Filter zur Vermeidung von Störungen

This Technical Specification was approved by CENELEC on 2017-12-25.

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

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European foreword

This document (CLC/TS 50083-2-3:2018) 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 shall not be held responsible for identifying any or all such patent rights.

Introduction

Standards and deliverables of EN 60728 series and EN 50083 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:

a) regional and local broadband cable networks;

b) extended satellite and terrestrial television distribution systems;

c) 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 Scope

This Technical Specification provides requirements to passive filters intended to reduce RF interference from LTE Base Stations (LTE-BS) and LTE User Equipment (LTE-UE) to receiving equipment and cable distribution systems of broadcast DVB-T and DVB-T2 signals in the VHF and UHF bands. While primarily intended to be used with VHF/UHF DVB-T and DVB-T2 receivers and signal distribution systems, filters can also be useful for mitigation of interference to VHF FM or DAB radio.

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.

EN 50083-2:2012, *Cable networks for television signals, sound signals and interactive services - Part 2: Electromagnetic compatibility for equipment*

EN 60529:1991, *Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989)*

EN 60728-11, *Cable networks for television signals, sound signals and interactive services – Part 11: Safety (IEC 60728-11)*

EN 61169-2, *Radio-frequency connectors - Part 2: Sectional specification - Radio frequency coaxial connectors of type 9,52 (IEC 61169-2)*

EN 61169-24, *Radio-frequency connectors - Part 24: Sectional specification - Radio frequency coaxial connectors with screw coupling, typically for use in 75 ohm cable networks (type F) (IEC 61169-24)*