

Passive RF and microwave devices, intermodulation level measurement - Part 1: General requirements and measuring methods

EESTI STANDARDI EESSÕNA

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English Version

**Passive RF and microwave devices, intermodulation level
measurement - Part 1: General requirements and measuring
methods
(IEC 62037-1:2021)**

Dispositifs RF et à micro-ondes passifs, mesure du niveau
d'intermodulation - Partie 1: Exigences générales et
méthodes de mesure
(IEC 62037-1:2021)

Passive HF- und Mikrowellenbauteile, Messung des
Intermodulationspegels - Teil 1: Allgemeine Anforderungen
und Messverfahren
(IEC 62037-1:2021)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 46/834/FDIS, future edition 2 of IEC 62037-1, prepared by IEC/TC 46 "Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62037-1:2021.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62037	series	Passive RF and microwave devices, EN IEC 62037 intermodulation level measurement		series

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Passive RF and microwave devices, intermodulation level measurement –
Part 1: General requirements and measuring methods**

**Dispositifs RF et à micro-ondes passifs, mesure du niveau d'intermodulation –
Partie 1: Exigences générales et méthodes de mesure**



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INTERNATIONAL STANDARD

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**Dispositifs RF et à micro-ondes passifs, mesure du niveau d'intermodulation –
Partie 1: Exigences générales et méthodes de mesure**

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**PASSIVE RF AND MICROWAVE DEVICES,
INTERMODULATION LEVEL MEASUREMENT –****Part 1: General requirements and measuring methods****FOREWORD**

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IEC 62037-1 has been prepared by IEC technical committee 46: Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories. It is an International Standard.

This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) clarification added that test equipment may utilize pulsed generators to reduce power consumption;
- b) heating effect differences in the device under test noted in Annex B for tests conducted using pulsed generators;
- c) guidance added in Annex B to improve probability of detection of short duration PIM events while dynamic testing.

The text of this International Standard is based on the following documents:

Draft	Report on voting
46/834/FDIS	46/855/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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