SVENSK STANDARD SS-EN IEC 62037-5

Fastställd	Utgåva	Sida	Ansvarig kommitté
2022-03-16	2	1 (1+15)	SEK TK 46

Passiva radiofrekvens- och mikrovågskomponenter – Mätning av intermodulationsnivån – Del 5: Mätning av passiv intermodulation i filter

Passive RF and microwave devices, intermodulation level measurement – Part 5: Measurement of passive intermodulation in filters

Som svensk standard gäller europastandarden EN IEC 62037-5:2021. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 62037-5:2021.

Nationellt förord

Europastandarden EN IEC 62037-5:2021

består av:

– **europastandardens ikraftsättningsdokument,** utarbetat inom CENELEC
– **IEC 62037-5, Second edition, 2021 - Passive RF and microwave devices, intermodulation level measurement - Part 5: Measurement of passive intermodulation in filters**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 62037-5, utgåva 1, 2013, gäller ej fr o m 2024-12-23.

ICS 33.040.20

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SEK Svensk Elstandard
Box 1284
164 29 Kista
Tel 08-444 14 00
www.elstandard.se

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 62037-5

December 2021

ICS 33.040.20

Supersedes EN 62037-5:2013 and all of its amendments and corrigenda (if any)

English Version

Passive RF and microwave devices, intermodulation level measurement - Part 5: Measurement of passive intermodulation in filters (IEC 62037-5:2021)

Dispositifs RF et à micro-ondes passifs, mesure du niveau d'intermodulation - Partie 5: Mesure de l'intermodulation passive dans les filtres
(IEC 62037-5:2021)

Passive HF- und Mikrowellenbauteile, Messung des Intermodulationspegels - Teil 5: Messung der passiven Intermodulation in Filtern
(IEC 62037-5:2021)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 62037-5:2021 E

European foreword

The text of document 46/837/FDIS, future edition 2 of IEC 62037-5, 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 62037-5:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2022–09–23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024–12–23

This document supersedes EN 62037-5:2013 and all of its amendments and corrigenda (if any).

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.

Any feedback and questions on this document should be directed to the users’ national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 62037-5:2021 was approved by CENELEC as a European Standard without any modification.

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.

Publication	Year	Title	EN/HD	Year
IEC 60068-2-75	2014	Environmental testing - Part 2–75: Tests - Test Eh: Hammer tests	EN 60068-2-75	2014
IEC 62037-1	-	Passive RF and microwave devices, intermodulation level measurement - Part 1: General requirements and measuring methods	EN IEC 62037-1	-

IEC 62037-5

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Passive RF and microwave devices, intermodulation level measurement – Part 5: Measurement of passive intermodulation in filters

Dispositifs RF et à micro-ondes passifs, mesure du niveau d'intermodulation – Partie 5: Mesure de l'intermodulation passive dans les filtres

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PASSIVE RF AND MICROWAVE DEVICES, INTERMODULATION LEVEL MEASUREMENT –

Part 5: Measurement of passive intermodulation in filters

FOREWORD

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IEC 62037-5 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 2013. This edition constitutes a technical revision.

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

a) dynamic testing requirements updated to define impact energy and locations to apply impacts to devices under test.

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

Draft	Report on voting
46/837/FDIS	46/858/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.

A list of all the parts in the IEC 62037 series, published under the general title *Passive RF and microwave devices, intermodulation level measurement* can be found on the IEC website.

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

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

PASSIVE RF AND MICROWAVE DEVICES, INTERMODULATION LEVEL MEASUREMENT –

Part 5: Measurement of passive intermodulation in filters

1 Scope

This part of IEC 62037 defines test fixtures and procedures recommended for measuring levels of passive intermodulation generated by filters, typically used in wireless communication systems. The purpose is to define qualification and acceptance test methods for filters for use in low intermodulation (low IM) applications.

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.

IEC 60068-2-75:2014, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

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