

Passive RF and microwave devices, intermodulation level measurement - Part 8: Measurement of passive intermodulation generated by objects exposed to RF radiation

## EESTI STANDARDI EESSÕNA

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See Eesti standard EVS-EN IEC 62037-8:2022 sisaldab Euroopa standardi EN IEC 62037-8:2022 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 62037-8:2022 consists of the English text of the European standard EN IEC 62037-8:2022.
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English Version

Passive RF and microwave devices, intermodulation level  
measurement - Part 8: Measurement of passive intermodulation  
generated by objects exposed to RF radiation  
(IEC 62037-8:2022)

Dispositifs RF et à micro-ondes passifs, mesure du niveau  
d'intermodulation - Partie 8: Mesure de l'intermodulation  
passive générée par des objets exposés au rayonnement  
RF  
(IEC 62037-8:2022)

Passive HF- und Mikrowellengeräte,  
Intermodulationspegelmessung - Teil 8: Messung der  
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HF-Strahlung ausgesetzt sind  
(IEC 62037-8:2022)

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## European foreword

The text of document 46/902/FDIS, future edition 1 of IEC 62037-8, 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 62037-8:2022.

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- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-09-21
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# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Passive RF and microwave devices, intermodulation level measurement –  
Part 8: Measurement of passive intermodulation generated by objects exposed  
to RF radiation**

**Dispositifs RF et à micro-ondes passifs, mesure du niveau d'intermodulation –  
Partie 8: Mesure de l'intermodulation passive générée par des objets exposés  
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au rayonnement RF**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PASSIVE RF AND MICROWAVE DEVICES,  
INTERMODULATION LEVEL MEASUREMENT –****Part 8: Measurement of passive intermodulation  
generated by objects exposed to RF radiation**

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

Draft	Report on voting
46/902/FDIS	46/911/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

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## **PASSIVE RF AND MICROWAVE DEVICES, INTERMODULATION LEVEL MEASUREMENT –**

### **Part 8: Measurement of passive intermodulation generated by objects exposed to RF radiation**

#### **1 Scope**

This part of IEC 62037 defines a radiated passive intermodulation (PIM) test to determine PIM levels generated by a device or object when it is exposed to RF radiation. This test can be conducted on any material or object and is not limited to devices designed to propagate RF signals. This test can be conducted as either a near field or far field test as defined by the test specification in an outdoor test site or in an anechoic test chamber.

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

IEC 62037-6:2021, *Passive RF and microwave devices, intermodulation level measurement – Part 6: Measurement of passive intermodulation in antennas*

#### **3 Terms, definitions and abbreviated terms**

##### **3.1 Terms and definitions**

No terms and definitions are listed in this document.

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##### **3.2 Abbreviated terms**

AIM	Active intermodulation
DUT	Device under test
IM	Intermodulation
PIM	Passive intermodulation