

<b>STN</b>	<b>Pasívne vysokofrekvenčné a mikrovlnné zariadenia, meranie intermodulačnej úrovne Časť 2: Meranie pasívnej intermodulácie v súboroch koaxiálnych káblov</b>	<b>STN EN IEC 62037-2</b>  34 7705
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Passive RF and microwave devices, intermodulation level measurement - Part 2: Measurement of passive intermodulation in coaxial cable assemblies

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/22

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EUROPEAN STANDARD

**EN IEC 62037-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2021

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Supersedes EN 62037-2:2013 and all of its amendments  
and corrigenda (if any)

English Version

Passive RF and microwave devices, intermodulation level  
measurement - Part 2: Measurement of passive intermodulation  
in coaxial cable assemblies  
(IEC 62037-2:2021)

Dispositifs RF et à micro-ondes passifs, mesure du niveau  
d'intermodulation - Partie 2: Mesure de l'intermodulation  
passive dans les cordons coaxiaux  
(IEC 62037-2:2021)

Passive HF- und Mikrowellenbauteile, Messung des  
Intermodulationspegels - Teil 2: Messung der passiven  
Intermodulation in konfektionierten Koaxialkabeln  
(IEC 62037-2:2021)

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## EN IEC 62037-2:2021 (E)

### European foreword

The text of document 46/835/FDIS, future edition 2 of IEC 62037-2, 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 62037-2:2021.

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62037-1	2021	Passive RF and microwave devices, intermodulation level measurement - Part 1: General requirements and measuring methods	EN IEC 62037-1	2021
IEC 62037-3	-	Passive RF and microwave devices, intermodulation level measurement - Part 3: Measurement of passive intermodulation in coaxial connectors	EN IEC 62037-3	-
IEC 62037-4	-	Passive RF and microwave devices, intermodulation level measurement - Part 4: Measurement of passive intermodulation in coaxial cables	EN 62037-4	-



IEC 62037-2

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Passive RF and microwave devices, intermodulation level measurement –  
Part 2: Measurement of passive intermodulation in coaxial cable assemblies**

**Dispositifs RF et à micro-ondes passifs, mesure du niveau d'intermodulation –  
Partie 2: Mesure de l'intermodulation passive dans les cordons coaxiaux**



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**Dispositifs RF et à micro-ondes passifs, mesure du niveau d'intermodulation –  
Partie 2: Mesure de l'intermodulation passive dans les cordons coaxiaux**

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## CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references .....	5
3 Terms, definitions and abbreviations .....	5
3.1 Terms and definitions.....	5
3.2 Abbreviations.....	5
4 Test method .....	6
4.1 General.....	6
4.2 Test conditions .....	6
5 Procedure.....	8
6 Report .....	8
Figure 1 – PIM test set-up example.....	7
Figure 2 – Rotation of cable .....	7



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PASSIVE RF AND MICROWAVE DEVICES,  
INTERMODULATION LEVEL MEASUREMENT –****Part 2: Measurement of passive intermodulation  
in coaxial cable assemblies**

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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) criteria for application of mechanical stress revised to be a function of advertised cable bend radius.

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

Draft	Report on voting
46/835/FDIS	46/856/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).

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.

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

### **Part 2: Measurement of passive intermodulation in coaxial cable assemblies**

#### **1 Scope**

This part of IEC 62037 defines a procedure to measure levels of passive intermodulation generated by a coaxial cable assembly.

This test method is applicable to jumper cables, i.e. cable assemblies intended to provide interface flexibility between rigid devices. It is also used to evaluate cable assemblies that are subjected to motion in operation.

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

IEC 62037-3, *Passive RF and microwave devices, intermodulation level measurement – Part 3: Measurement of passive intermodulation in coaxial connectors*

IEC 62037-4, *Passive RF and microwave devices, intermodulation level measurement – Part 4: Measurement of passive intermodulation in coaxial cables*

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