भारतीय मानक

# ननष्क्रिय आरएफ एवं सुक्ष्म-तरं ग उपकरण, इंटरमॉड्यूलेशन स्तर माप

**भाग 1 सामान्य अपेक्षाएँ और मापन पद्धनतयाँ**

***(पहला पुनरीक्षण)***

***Indian Standard***

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

*(First Revision)*

*ICS 33.040.20*

**©BIS 2024**

**©IEC 2021**

**भारतीय मानक ब्‍यूरो**

**Bureau of Indian Standards**

**मानक भवन, 9 बहादुर शाह जफर मार्ग, नई दिल्ली - 110002**

**Manak Bhavan, Bahadur Shah Zafar Marg**

**New Delhi – 110002**

[**www.bis.gov.in**](http://www.bis.gov.in)[**www.standardsbis.in**](http://www.standardsbis.in)

## October 2024 Price Group XXXX

## Wires, Cables, Waveguides & Accessories Sectional Committee, LITD 06

## NATIONAL FOREWORD

This Indian Standard (Part1) (*First Revision*) which is identical with IEC 62037-1: 2021 ‘Passive RF and microwave devices, intermodulation level measurement – Part 1: General requirements and measuring methods’ issued by the International Electrotechnical Commission (IEC) wasadopted by the Bureau of Indian Standards on the recommendations of the Wires, Cables, Waveguides & Accessories Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was originally published in 2021 and identical with IEC 62037-1: 2012. The first revision of this standard has been undertaken to align it with the latest version of IEC 62037-1- 2021.

The text of IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

1. Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’, and
2. Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

|  |  |  |
| --- | --- | --- |
| ***International Standards*** | ***Corresponding Indian Standard*** | ***Degree of Equivalence*** |
| IEC 62037 (all parts) Passive RF and microwave devices, intermodulation level measurement | IS/IEC 62037-1: 2012 Passive RF  and microwave devices intermodulation level measurement Part 1 General requirements and measuring methods | Identical |

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022‘Rules for rounding off numerical values (*revised*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.