

STN	Priestorový bezdrôtový prenos energie založený na viacerých magnetických rezonanciách Časť 2: Referenčný model	STN EN IEC 63245-2 37 9003
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Spatial wireless power transfer based on multiple magnetic resonances - Part 2: Reference model

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. 03/23

Obsahuje: EN IEC 63245-2:2023, IEC 63245-2:2022

EUROPEAN STANDARD
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EN IEC 63245-2

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English Version

**Spatial wireless power transfer based on multiple magnetic
resonances - Part 2: Reference model
(IEC 63245-2:2022)**

Transfert d'énergie sans fil dans l'espace reposant sur des
résonances magnétiques multiples - Partie 2: Modèle de
référence
(IEC 63245-2:2022)

Räumliche drahtlose Energieübertragung basierend auf
mehrfachen magnetischen Resonanzen - Teil 2:
Referenzmodell
(IEC 63245-2:2022)

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EN IEC 63245-2:2023 (E)**European foreword**

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IEC 62827-3:2016 NOTE Approved as EN 62827-3:2017 (not modified)

IEC 63006:2019 NOTE Approved as EN IEC 63006:2019 (not modified)

Annex ZA (normative)

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 63245-1	2021	Spatial wireless power transfer based on multiple magnetic resonances - Part 1: Requirements	EN IEC 63245-1	2021



IEC 63245-2

Edition 1.0 2022-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Spatial wireless power transfer based on multiple magnetic resonances –
Part 2: Reference model**

**Transfert d'énergie sans fil dans l'espace reposant sur des résonances
magnétiques multiples –
Partie 2: Modèle de référence**



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IEC 63245-2

Edition 1.0 2022-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Spatial wireless power transfer based on multiple magnetic resonances –
Part 2: Reference model**

**Transfert d'énergie sans fil dans l'espace reposant sur des résonances
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Partie 2: Modèle de référence**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SPATIAL WIRELESS POWER TRANSFER
BASED ON MULTIPLE MAGNETIC RESONANCES –**

Part 2: Reference model

FOREWORD

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

Draft	Report on voting
100/3839/FDIS	100/3864/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.

A list of all parts in the IEC 63245 series, published under the general title *Spatial wireless power transfer based on multiple magnetic resonances*, can be found on the IEC website.

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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INTRODUCTION

The IEC 63245 series (Spatial wireless power transfer based on multiple magnetic resonances, SWPT-MMR) provides requirements and a reference model for implementing spatial wireless power transfer systems. The IEC 63245 series consists of the following parts:

- Part 1: Requirements, and
- Part 2: Reference model

IEC 63245-1 describes requirements of SWPT-MMR.

IEC 63245-2 (this document) describes the reference model of SWPT-MMR.

SPATIAL WIRELESS POWER TRANSFER BASED ON MULTIPLE MAGNETIC RESONANCES –

Part 2: Reference model

1 Scope

This document specifies a reference model for spatial wireless power transfer based on multiple magnetic resonances (SWPT-MMR), which is a type of non-radiative wireless power transfer (WPT). The document contains an overview of SWPT-MMR and a reference model.

2 Normative references

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IEC 63245-1:2021, *Spatial wireless power transfer based on multiple magnetic resonances – Part 1: Requirements*

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