

Second edition
2021-10

Road vehicles — Component test methods for electrical disturbances from narrowband radiated electromagnetic energy —

Part 9: Portable transmitters

Véhicules routiers — Méthodes d'essai d'un équipement soumis à des perturbations électriques par rayonnement d'énergie électromagnétique en bande étroite —

Partie 9: Émetteurs portables



Reference number
ISO 11452-9:2021(E)

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

This is a preview of "ISO 11452-9:2021". Click here to purchase the full version from the ANSI store.

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Foreword

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This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 32, *Electrical and electronic components and general system aspects*.

This second edition cancels and replaces the first edition (ISO 11452-9:2012), which has been technically revised.

The main changes are as follows:

- change of the frequency range from 26 MHz – 5,85 GHz to 142 MHz – 6 GHz;
- suppression of test methodology with commercial transmitters;
- use of modulation from ISO 11452-1;
- modifications of ground plane dimensions;
- introduction of additional artificial networks (HV-AN, AMN, AAN) for DUT powered by a shielded power system;
- addition of test set-up descriptions and figures for HV power supply system;
- addition of wording for DUT, connector and harness testing;
- addition of new [Annex A](#) with description of test methodology for net power characterization procedure;
- addition in [Annex C](#) of microwave broadband dipole antenna and HF broadband sleeve antenna;
- addition of [Annex F](#) on broadband noise source with arbitrary waveform generator.

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