



**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB/T 33014.9-2020**

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**Road vehicles - Component test methods for  
electrical/electronic disturbances from narrowband radiated  
electromagnetic energy - Part 9: Portable transmitters**

**Issued on: December 14, 2020**

**Implemented on: July 1, 2021**

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**Issued by: SAMR; SAC**

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## Foreword

GB/T 33014 "Road vehicles - Component test methods for electrical/electronic disturbances from narrowband radiated electromagnetic energy" is intended to include the following parts.

- Part 1.General;

- Part 2.Absorber-lined shielded enclosure;
- Part 3.Transverse electromagnetic (TEM) cell;
- Part 4.Bulk current injection (BCI);
- Part 5.Strip line;
- Part 7.Direct injection of radio frequency power;
- Part 8.Magnetic field immunity method;
- Part 9.Portable transmitter method;
- Part 10.Immunity to conducted disturbances in the extended audio frequency range;
- Part 11.Reverberation chamber method.

This Part is Part 9 of GB/T 33014.

This Part is drafted in accordance with the rules given in GB/T 1.1-2009.

This Part uses the redraft law to modify and adopt ISO 11452-9:2012 "Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 9.Portable transmitters".

The technical differences between this Part and ISO 11452-9:2012 and their reasons are as follows.

- As for the normative references, this Part has made adjustments with technical differences, to adapt to the technical conditions of China. The adjustments are mainly reflected in Clause 2 "Normative references". The specific adjustments are as follows.

\* Replace ISO 11452-1 with GB/T 33014.1, which modifies and adopts the international standard;

\* ADD reference to GB/T 33014.2-2016.

- ADD notes to the numbers in Figure 6.

- The figures in Table B.1 in the previous text are incorrect. This Part has made corrections.

- The remote/local grounding in the previous text 7.2 adopts Annex D; this

Part adopts the equivalent GB/T 33014.2-2016 Annex B, to avoid repetition of the same content. At the same time, delete Annex D.

- Rearrange the frequency bands in Annex A of the previous text; GIVE a note for the international frequency bands not used in China; ADD some frequency bands used in China.
- ADD annotations to Category 1, Category 2, and Category 3 in Annex C, to facilitate users' understanding and selection.

This Part has made the following editorial changes.

- In order to be consistent with China's technical standard system, change the standard name to "Road vehicles - Component test methods for electrical/electronic disturbances from narrowband radiated electromagnetic energy - Part 9.Portable transmitters";
- According to the requirements of GB/T 1.1-2009, standardize the writing of Clause 1;
- ADD the bibliography.

This Part was proposed by Ministry of Industry and Information Technology of the PRC.

This Part shall be under the jurisdiction of National Technical Committee of Auto Standardization (SAC/TC 114).

Drafting organizations of this Part. China Electronics Standardization Institute; China Automotive Technology and Research Center Co., Ltd.; The Fifth Electronics Research Institute of the Ministry of Industry and Information Technology; FAW-Volkswagen Automotive Co., Ltd.; Zhengzhou Yutong Bus Co., Ltd.; Xiangyang Da An Automobile Test Center Co., Ltd.; Suzhou 3ctest Electronic Co., Ltd.; Shanghai Electrical Apparatus Research Institute; Changchun Automotive Test Center Co., Ltd.; SAIC Volkswagen Automotive Co., Ltd.; Brilliance Auto Group Holdings Co., Ltd.; Chery Automobile Co., Ltd.; Great Wall Motor Co., Ltd.; Pan Asia Technical Automotive Center Co., Ltd.;

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Road vehicles - Component test methods for  
electrical/electronic disturbances from narrowband  
radiated electromagnetic energy -  
Part 9. Portable transmitters

## 1 Scope

This Part of GB/T 33014 specifies component test methods for electrical/electronic (ESA) disturbances from continuous narrowband radiated electromagnetic energy - portable transmitters.

## 2 Normative references

The following documents are indispensable for the application of this document.

For the dated references, only the editions with the dates indicated are