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ICS 43.120
CCS T 09

TCSAE

ASSOCIATION STANDARD

TCSAE 63-2017

Electromagnetic compatibility test methods and requirements of electric components and subsystems (12v) of vehicle

汽车电器零部件及子系统（12V）电磁兼容性能测试方法及要求

(English Translation)

Issued on: November 3, 2017 **Implemented on: November 3, 2017**

Issued by: China Society of Automotive Engineers

Preview: page 1 of 4 shown, 44 in the full document. Complete English PDF, instant download:
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Table of Contents

1 Scope
1.1 Scope description
1.2 Application Notes
2 Normative references
3 Terms and definitions, abbreviations and symbols
3.1 Terms and definitions
3.2 Abbreviations
3.3 Symbols
4 General test requirements
4.1 General
4.2 Functional importance classification
4.3 Performance Level Classification
4.4 Load simulator
4.5 Artificial Network
4.6 Harness Requirements
4.7 Grounding requirements
4.8 Test conditions
4.8.1 Tolerance
4.8.2 Test environmental conditions
4.8.3 Power
5 Classification and requirements
6 Radiated emissions
6.1 Reference standards
6.2 Test purpose and scope
6.3 Test methods
6.3.1 Test arrangement
6.3.2 Test procedure
6.4 Test requirements
7 RF conducted emissions
7.1 Reference standards
7.2 Test purpose and scope
7.3 Test methods

Preview: page 2 of 4 shown, 44 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tcsae-63-2017

7.3.1 Test arrangement
7.3.2 Test procedure
7.4 Test requirements
8 Magnetic field emission
8.1 Reference Standards

1 Foreword

TCSAE 63-2017 was issued by China Society of Automotive Engineers on 3 November 2017 and took effect the same day.

The TCSAE prefix marks a association standard, adopted voluntarily.

The document runs to 44 pages in English translation.

2 Scope Preview

This standard applies to electromagnetic compatibility (EMC) test methods, test procedures and requirements for all 12V electrical components and subsystems of automobiles. The contents of this standard can be used as a reference for the vehicle manufacturer or component company to develop a test plan. The optional test grades or limits given by each test reflect the level required by domestic mainstream automakers, and the specific requirements are determined by the vehicle manufacturer. The technical requirements for conducted or conducted immunity included in this standard are limited to low voltage DC components. High voltage systems (such as hybrid vehicles, plug-in hybrid vehicles, pure electric vehicles) are not included in this standard. The specific application is shown in Table 5-1. The purpose of this standard is to ensure the EMC performance of the vehicle. This standard contains electrical, electronic components and subsystems that are independent of the vehicle.

TCSAE 63-2017 falls under ICS 43.120, in the field of road vehicle engineering.

This catalogue holds 32 other TCSAE standards in that field.

In this catalogue, TCSAE standards carry edition years from 2015 to 2020.

3 About this standard

Issued by: China Society of Automotive Engineers

English translation: about 44 pages

Chinese original: about 52,545 characters

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4 Related standards

Standards on related subjects:

QC/T 573-1999 - Guidelines for automotive cleanliness - Personnel, materials and environment

5 Classification and status

International classification (ICS): 43.120

Chinese Standard Classification (CCS): T 09

Prefix TCSAE: association standard, adopted voluntarily.

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