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ICS 43.120
CCS T 09

TCSAE

ASSOCIATION STANDARD

TCSAE 45-2015

Performance levels and methods of measurement of magnetic and electric field strength from electric vehicles, 9 kHz to 30 MHz

电动汽车的电磁场发射强度（9KHz - 30MHz）测试规范

(English Translation)

Issued on: November 5, 2015 **Implemented on: November 5, 2015**

Issued by: China Society of Automotive Engineers

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1 Foreword

TCSAE 45-2015 was issued by China Society of Automotive Engineers on 5 November 2015 and took effect the same day.

2 Scope

This specification specifies the limits and measurement methods for the radiated emissions of magnetic and electric fields in the frequency range of 9 kHz to 30 MHz for electric vehicles. And limits and measurement methods for conducted emissions from 9 kHz to 30 MHz. This specification applies to pure electric vehicles, hybrid vehicles, plug-in hybrid vehicles, extended-range electric vehicles, fuel cells. Electric cars such as automobiles. The conducted emission measurement in this specification is only applicable to the vehicle battery charging system. The switching frequency should be above 9 kHz, and the energy passes through the gold. The technical requirements for conductor transmission and conducted emissions are only applicable during the charging process of the battery through the AC power cord.

3 Normative references

GB/T 4365

GB/T 6113.101-2008

GB/T 6113.104-2008

4 About this standard

Issued by: China Society of Automotive Engineers

English translation: about 9 pages

Chinese original: about 13,187 characters

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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