

ICS 43.080.20
CCS T 42



中华人民共和国国家标准
NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 25982-2024
Replaces GB/T 25982-2010

Limits and Measurement Methods for Bus Interior Noise
客车车内噪声限值及测量方法

(English Translation)

Issued on 2024-12-31

Implemented on 2025-07-01

Jointly Issued by

State Administration for Market Regulation of the People's Republic of China &
Standardization Administration of the People's Republic of China

CONTENTS

Foreword	1
1 Scope	1
2 Normative References	1
3 Terms and Definitions	1
4 Noise Limits	2
5 Measuring Instrumentation	2
6 Measuring Conditions	3
7 Vehicle Conditions	3
8 Measurement Methods	4
9 Test Report.....	7
Annex A (Informative) Measuring Points and Microphone Positions.....	8
Annex B (Informative) Bus Interior Noise Measurement Record Sheet.....	11
Annex C (Informative) Calculation Methods of Loudness and Sharpness Evaluation Index.....	14
Bibliography.....	16

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Limits and Measurement Methods for Bus Interior Noise

1 SCOPE

This document specifies the noise limits, measuring instrumentation, measuring conditions, vehicle conditions, measurement methods and test report with respect to the bus interior noise.

This document is applicable to the vehicles of Category M₂ and M₃.

2 NORMATIVE REFERENCES

The following normative documents contain provisions which, through normative reference in this text, constitute essential provision of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendment) applies.

GB/T 3241-2010	Electroacoustics - Octave-band and fractional-octave-band filters
GB/T 3730.1	Terms and definitions of motor vehicles, trailers and combination vehicle-Part 1: Types
GB/T 3785.1-2023	Electroacoustics—Sound level meters—Part 1: Specifications
GB/T 3947	Acoustical terminology
GB/T 8170	Rules of rounding off for numerical values & expression and judgment of limiting values
GB/T 15089	Classification of power-driven vehicles and trailers
GB/T 15173-2010	Electroacoustics - Sound calibrators
GB/T 19596	Terminology of electric vehicles

3 TERMS AND DEFINITIONS

For the purpose of this document, the terms and definitions given in GB/T 3730.1, GB/T 3947, GB/T 15089 and GB/T 19596, as well as the following apply.

3.1 steady noise

continuous noise generated by a mixture of tyre noise, airflow noise, vehicle body vibration noise, and working noise of powertrain, transmission system or components when the vehicle is operating under stable working conditions

3.2 background noise

noise emitted by all noise sources other than the noise source being measured

Note: Background noise includes airborne sound, noise from structural vibration and electrical noise in instruments.

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