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PEOPLE'S REPUBLIC OF CHINA

JJF 1798-2020

Calibration Specification for Sound Insulation Measuring Rooms

隔声测量室校准规范

(English Translation)

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3 Terms and measurement units (1)

3.1

The maximum measurable sound insulation (1)

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9 Suggested re-check interval (6)

Appendix A Contents of Calibration Record (7)

Appendix B Contents of Calibration Certificate (11)

Appendix C Example of Uncertainty Evaluation of the Maximum Measurable Sound Insulation (15)

Introduction

This specification is compiled in accordance with the rules and format given in JJF 1071-2010 "Rules for the Preparation of National Metrology and Calibration Specifications".

This specification refers to JJF 1143-2006 "Calibration Specification for Acoustic Characteristics of Reverberation Room", GB/T 19889.1-2005 "Acoustic Measurement of Sound Insulation of Buildings and Building Elements Part 1: Requirements for Laboratory Test Facilities with Suppressed Lateral Sound Transmission", GB/T 19889.3-2005 "Acoustic measurement of sound insulation of buildings and building components Part 3: Building components Laboratory measurement of air and sound insulation" etc.

This specification is released for the first time.

Calibration specification for sound insulation measurement room

1 Scope

This specification is applicable to the calibration of sound insulation measurement rooms where lateral sound transmission is suppressed for measuring airborne sound insulation.

2 Reference documents this specification refers to the following documents.

JJG4-2015 Steel tape measure JJG176 Sound Calibrator JJG449-2014 Octave and Fractional Octave Filter JJG607 Audio signal generator JJG1019 working standard microphone (coupling cavity comparison method) JJF 1001-2011 General measurement terms and definitions JJF 1034 Acoustic measurement terms and definitions JJF 1143-2006 Calibration Specification for Acoustic Characteristics of Reverberation Room JJF 1468-2014 Non-directional sound source calibration specification GB/T 3102.5-1993 Quantities and units of electricity and magnetism GB/T 3102.7-1993 Acoustic quantities and units GB/T 6881.1-2002 Acoustic Sound Pressure Method for the Determination of Sound Power Level of Noise Sources Reverberation Room Precision Method GB/T 19889.1-2005 Acoustics Measurement of sound insulation of buildings and building components Part 1: Lateral sound transmission Suppressed laboratory test facility requirements GB/T 19889.3-2005 Acoustics Measurement of sound insulation of buildings and building components Part 3: Building components Laboratory measurement of air and sound insulation GB/T 50121-2005 Building Sound Insulation Evaluation Standard for dated

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reference documents, only the dated version applies to this specification; for undated reference documents, the latest version (including all amendments) is applicable to this specification.

3 Terms and units of measurement the following terms and definitions defined by JJF 1001 and JJF 1034 apply to this code.

3.1 Maximum measurable sound insulation the sound insulation measurement value of the wall (or component) between the sound source room and the receiving room when the sound insulation measurement room is in the working condition of maximum sound insulation performance.

4 overview

The side sound transmission suppressed sound insulation measurement room (hereinafter referred to as the "sound insulation measurement room") is often used to measure materials and components Air sound insulation performance generally includes two adjacent reverberation rooms, one is the sound source room and the other is the receiving room

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