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JJG

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

JJG 175-2015

Replacing JJG 175-1998

**Verification Regulation of Working Standard Microphones
(Electrostatic Actuator Method)
(English Translation)**

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Introduction

Rules and regulations in accordance with the present format JJF1002-2010 "national verification procedures write rules" given prepared by.

This procedure is based on the national standard GB/T 20441.4-2006 "Measurement microphones - Part 4. working standard Biography Sound Specification "(IEC 61094-4:1995, IDT) and the International Standard IEC 61094-6:2004" measuring microphone Part 6. used to determine the frequency response of the electrostatic actuator "as the basis for developing.

Published JJG 1019-2007 "working standard microphones (coupling cavity Comparative Law)" and the present generation of common procedures for JJG 175-1998 "test condenser microphone." this procedure replaced the previously issued regulations as follows.

--- JJG 175-1984;

--- JJG 175-1998.

Working standard microphone (electrostatic actuator method) test procedures

1 Scope

The order applies to meet GB/T 20441.4-2006 "Measurement microphones - Part 4 working standard microphone Specification" provides working standard microphones initial verification, subsequent verification and the use of checks.

2. References

This procedure references the following documents.

JJF1001-2011 common measurement terms and definitions JJF1034-2005 acoustic measurement terminology and definitions JJF1293-2011 electrostatic actuator calibration specification GB 3102.7-1993 Quantities and units of acoustics GB/T 3947-1996 Acoustics Terminology GB/T 15173-2010 electric acoustic sound calibrators GB/T 20441.3-2010 Electric Acoustic Measurement microphones - Part 3. Laboratory reciprocity technique Primary level approach standard microphones free-field calibration GB/T 20441.4-2006 Measurement microphones - Part 4. Specifications for working standard microphones IEC 61094-2 Electroacoustics Measurement microphones - Part 2. reciprocity technique laboratory standard microphone the method of the original sound pressure level calibration (Electroacoustics-Measurementmicrophones-Part 2.

Pri-marymethodforpressurecalibrationoflaboratorystandardmicrophonesbythereciproc-itytec hnique) IEC 61094-6:2004 Measurement microphones - Part 6. used to determine the frequency response of the electrostatic actuator (Measurementmicrophones-Part 6. Electrostaticactuatorsfordeterminationoffre-quencyresponse) for dated references, only the dated edition applies to this procedure; undated reference documents Member, the latest edition (including any amendments) applies to this procedure.

3 terminology and units of measurement this procedure uses quantities and units specified in GB 3102.7-1993.

JJF1001-2011, JJF1034-2005 and GB/T 3947-1996 and as defined in the following terms and definitions Apply to this procedure.

The procedure needed references GB/T 20441.4-2006 and IEC 61094-6:2004 in the following surgery Terms and definitions.

3.1 working standard microphones workingstandardmicrophone at least one of the following methods can be calibrated microphone.

Methods a) IEC 61094-2 or GB/T 20441.3-2010 prescribed;