20･11･10-NITE-AC-001
2021-12-03

Certificate of Accreditation

International Accreditation Japan (IAJapan) hereby accredits the following conformity assessment body as a calibration laboratory of ASNITE accreditation program.

Accreditation Identification: ASNITE 0132 Calibration

Name of Conformity Assessment Body: Engineering Business Unit,
RION SERVICE CENTER CO., LTD.

Name of Legal Entity: RION SERVICE CENTER CO., LTD.

Location of Conformity Assessment Body: 2-22-2 Hyoe, Hachioji, Tokyo 192-0918, JAPAN

Scope of Accreditation: Acoustics (as the following pages)

Accreditation Requirement: ISO/IEC 17025:2017*

* The relevant accreditation requirements described in the ASNITE-C (General) Accreditation Scheme Document are also applied.

Effective Date of Accreditation: 2021-12-03

Expiry Date of Accreditation: 2025-12-02

Date of Initial Accreditation: 2021-12-03

SAKAMOTO Kozo
Chief Executive, International Accreditation Japan (IAJapan)
National Institute of Technology and Evaluation

- International Accreditation Japan (IAJapan) is a laboratory accreditation body which has signed MRAs of ILAC (International Laboratory Accreditation Cooperation) and APAC (Asia Pacific Accreditation Cooperation).
- MRA requirements are, in addition to relevant international standards and guides, requirements for participation in proficiency testing programs, surveillance and reassessment, and the policy for the traceability of measurement for MRA purpose.
- This laboratory fulfills ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation means this laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).
- The latest accreditation information is publicly available on IAJapan Website as an accreditation certificate.

General Field of Calibration: Acoustics
Date of Initial Accreditation of the Field: 2021-12-03
Laboratory's permanent facility/On-site Calibration: Laboratory's permanent facility
Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range		Expanded Uncertainty (Level of Confidence Approximately 95 %)
Acoustic Measuring Equipment, etc.	Sound Level Meter	IEC 61672-3:2013 JIS C 1509-3:2019 12 Acoustical signal tests of a frequency weighting 125 Hz, 1000 Hz, 8000 Hz	125 Hz	0.44 dB
			1000 Hz	0.37 dB
			8000 Hz	0.43 dB
		IEC 61672-3:2013 JIS C 1509-3:2019 13 Electrical signal tests of frequency weightings 63 Hz～16000 Hz	63 Hz	0.26 dB
			125 Hz	
			250 Hz	
			500 Hz	
			1 kHz	
			2 kHz	
			4 kHz	
			8 kHz	
			16 kHz	
		IEC 61672-3:2013 JIS C 1509-3:2019 14 Frequency and time weightings at 1 kHz 1000 Hz		0.10 dB
		IEC 61672-3:2013 JIS C 1509-3:2019 15 Long-term stability 1000 Hz		0.10 dB
		IEC 61672-3:2013 JIS C 1509-3:2019 16 Level linearity on the reference level range 8000 Hz	Level linearity deviation	0.23 dB
			1 dB to 10 dB change in level	0.23 dB
		IEC 61672-3:2013 JIS C 1509-3:2019 17 Level linearity including the level range control 1000 Hz		0.23 dB
		IEC 61672-3:2013 JIS C 1509-3:2019 18 Toneburst response 4000 Hz		0.15 dB

		IEC 61672-3:2013 JIS C 1509-3:2019 19 C-weighted peak sound level 500 Hz, 8000 Hz		0.17 dB
		IEC 61672-3:2013 JIS C 1509-3:2019 20 Overload indication 4000 Hz		0.23 dB
		IEC 61672-3:2013 JIS C 1509-3:2019 21 High-level stability 1000 Hz		0.10 dB
	Sound Calibrator	IEC 60942:2003 Annex B JIS C 1515:2004 Annex B B.3.4 Sound pressure level 250 Hz, 1000 Hz	250 Hz （114 dB）	0.08 dB
			1000 Hz （94 dB）	0.08 dB
		IEC 60942:2003 Annex B JIS C 1515:2004 Annex B B.3.5 Frequency 250 Hz, 1000 Hz		0.2 %
		IEC 60942:2003 Annex B JIS C 1515:2004 Annex B B.3.6 Total distortion		0.4 %
		IEC 60942:2017 Annex B JIS C 1515:2020 Annex B B.4.6 Sound pressure level 250 Hz, 1000 Hz	250 Hz （114 dB）	0.08 dB
			1000 Hz （94 dB）	0.08 dB
		IEC 60942:2017 Annex B JIS C 1515:2020 Annex B B.4.7 Frequency 250 Hz, 1000 Hz		0.2 %
		IEC 60942:2017 Annex B JIS C 1515:2020 Annex B B.4.8 Total distortion + noise		0.4 %

#All Calibration Procedures are in-house procedures developed by this laboratory.

* The description is the nominal frequency.