



Testing Laboratory
Accreditation
Certificate

Accreditation No. RTLO2810

ilac-MRA

**KEC Electronic Industry Development Center
Testing Division**

3-2-2, Hikari-dai, Seika-cho, Soraku-gun, Kyoto, 619-0237 Japan

meets the following criteria. On the basis of this, Japan Accreditation Board (JAB) grants accreditation to the said testing laboratory.

Applicable accreditation criteria

: JIS Q 17025:2018 (ISO/IEC 17025:2017)

Scope of accreditation

: **Electrical testing**

(As described in the appendix)

Premises covered by accreditation

: As described in the appendix.

Expiry date of accreditation

: January 31, 2025

Revised

March 15, 2023

Renewed

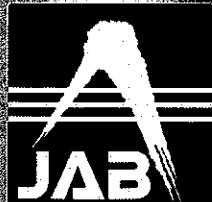
January 22, 2021

Initial accreditation

January 22, 2009

Y. Iizuka, President

Japan Accreditation Board



JAC-MRA

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Accreditation Certificate Appendix

(Page 1/3)

Type of Laboratory	Testing Laboratory
Name of Laboratory	KEC Electronic Industry Development Center Testing Division
Address	3-2-2, Hikari-dai, Seika-cho, Soraku-gun, Kyoto, 619-0237 Japan

1) Premises on which testing activities are performed

Name of Premises	KEC Electronic Industry Development Center Testing Division	
Address of Premises	Postal code	619-0237
Testing service at permanent facilities or on site testing service	<input checked="" type="checkbox"/> Testing service at permanent facilities <input type="checkbox"/> On site testing service	

Scope of Accreditation

FIELD	M21 Electrical Testing
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CODE OF CLASSIFICATION, NAME	TEST METHOD STANDARD
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.1 Continuous disturbance tests	MIL-STD-461E 5.4(CE101), 5.5(CE102), MIL-STD-461F 5.4(CE101), 5.5(CE102), MIL-STD-461G 5.4(CE101), 5.5(CE102), RTCA/DO-160F Section 21 (CE), RTCA/DO-160G Section 21 (CE)
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.2 Continuous disturbance tests (on board vehicle)	CISPR 25 (2002, 2008, 2016, 2021) (Reference Standard: CISPR 16-1-1, CISPR 16-1-2)
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.5 Magnetic field / Electric field test (up to 30 MHz)	MIL-STD-461E 5.15(RE101), 5.16(RE102), MIL-STD-461F 5.16(RE101), 5.17(RE102), MIL-STD-461G 5.17(RE101), 5.18(RE102)



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RTL02810

Accreditation Certificate Appendix

(Page 2/3)

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CODE OF CLASSIFICATION, NAME	TEST METHOD STANDARD
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.6 Electric field test (30 MHz up to 1 GHz)	MIL-STD-461E 5.16(RE102), MIL-STD-461F 5.17(RE102), MIL-STD-461G 5.18(RE102), RTCA/DO-160F Section 21 (RE), RTCA/DO-160G Section 21 (RE)
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.7 Electric field test (1 GHz over)	MIL-STD-461E 5.16(RE102), MIL-STD-461F 5.17(RE102), MIL-STD-461G 5.18(RE102), RTCA/DO-160F Section 21 (RE), RTCA/DO-160G Section 21 (RE)
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.8 Electric field test (on board vehicle)	CISPR 25 (2002, 2008, 2016, 2021) (Reference Standard: CISPR 16-1-1, CISPR 16-1-4)
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.13 Transient emission test	ISO 7637-2 (2004, 2011) (Reference Standard: ISO7637-1)
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.14 Electrostatic discharge immunity tests	MIL-STD-461G 5.16(CS118) ISO10605 (2001, 2008)
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.15 RF radiated electromagnetic field immunity tests	MIL-STD-461E 5.18(RS101), 5.19(RS103(limited to 18 GHz or less and except 5.19.4 Reverberation chamber)) MIL-STD-461F 5.19(RS101), 5.20(RS103(limited to 18 GHz or less and except 5.20.4 Reverberation chamber)) MIL-STD-461G 5.20(RS101), 5.21(RS103(limited to 18 GHz or less and except 5.21.4 Reverberation chamber))
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.16 Electrical fast transient / burst tests	MIL-STD-461E 5.13(CS115), 5.14(CS116) MIL-STD-461F 5.13(CS115), 5.14(CS116) MIL-STD-461G 5.13(CS115), 5.14(CS116)
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.17 Surge immunity tests	MIL-STD-461G 5.15(CS117)
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.18 RF conducted immunity tests	MIL-STD-461E 5.7(CS101), 5.12(CS114), MIL-STD-461F 5.7(CS101), 5.12(CS114), MIL-STD-461G 5.7(CS101), 5.12(CS114)



Accreditation No.

RTL02810

Accreditation Certificate Appendix

(Page 3/3)

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CODE OF CLASSIFICATION, NAME	TEST METHOD STANDARD
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.26 Immunity tests for airbone equipment	RTCA/DO-160F Section 17, 18, 19, 20(except 20.6 Reverberation Chamber Method), 22, 25 RTCA/DO-160G Section 17, 18, 19, 20(except 20.6 Reverberation Chamber Method), 22, 25
M21 Electrical testing M21.4 Electromagnetic compatibility testing M21.4.22 Immunity tests for equipment installed on road vehicles	ISO 11452-2 (2004, 2019)* (Frequency: 80 MHz up to 18 GHz, Maximum electric field strength; 600V/m) ISO 11452-4 (2005, 2011, 2020)* (except 6.2 TWC method) ISO 11452-8(2015)* ISO 11452-9(2012, 2021)* (limited to testing with the broadband antenna) ISO 11452-11 *Reference Standard: ISO11452-1 ISO 7637-2 (2004, 2011) ISO 7637-3 (2007, 2016) Reference Standard: ISO7637-1 ISO 16750-2 (2012) (except 4.9, 4.10, 4.11, 4.12, 4.13)

Japan Accreditation Board