



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ELECTRICAL (EMC)

Valid to: July 31, 2021

Certificate Number: 2063.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following automotive electromagnetic compatibility tests:

**Test Technology:**

**Test Method(s):**

*Electrostatic Discharge (ESD)*

ISO 10605 (2008)

*RF Conducted Emissions*

CISPR 25 (2016) Sections 6.3 and 6.4

*RF Radiated Emissions*

CISPR 25 (2002) Section 6.4;  
CISPR 25 (2016) Section 6.5  
E/ECE/324 Addendum 9: Regulation 10, Rev.5, Annexes  
7 and 8 (using CISPR 25, Ed. 2)

*Bulk Current Injection (BCI)  
Substitution Method*

ISO 11452-4 (2011) Section 6.1

*Absorber-Lined Shielded Enclosure  
(ALSE)*

ISO 11452-2 (2019)

*Absorber-Lined Shielded Enclosure  
Radar Pulse Only  
(1200 to 1400)MHz, (2700 to 3200)MHz,  
@ 600 V/meter*

ISO 11452-2 (2019);  
GMW 3097 Section 3.4.2;  
FMC1278 (RI 114)

*Conducted Transient Emissions*

ISO 7637-2 (2004, 2011)  
E/ECE/324 Addendum 9: Regulation 10, Rev.5, Annex 10

*Conducted Transient Immunity on  
Supply Lines*

ISO 7637-2 (2004, 2011)  
E/ECE/324 Addendum 9: Regulation 10, Rev.5, Annex 10

*Conducted Transient Immunity on  
Non-Supply Lines*

ISO 7637-3 (2016)

**Test Technology:**

*Immunity to Magnetic Fields*

*Portable Transmitters*

*Electrical Loads*

**Test Method(s):**

ISO 11452-8 (2015)

ISO 11452-9 (2012)

ISO 16750-2 (2012) Section 4.6.4





## *Accredited Laboratory*

A2LA has accredited

**ALPS ALPINE CO., LTD. EMC TEST LAB IWAKI**

*Iwaki, Fukushima, Japan*

for technical competence in the field of

**Electrical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 29<sup>th</sup> day of July 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2063.01  
Valid to July 31, 2021  
Revised October 2, 2019

*For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.*