

# Scope of Accreditation

(Measurement Method)

Accreditation Number : VLAC-017-2

Expiration Date : June 15, 2022

[Name of Laboratory]

**TÜV Rheinland Japan Ltd.**

[Test site name]

**Mobility Technology Center**

[Test site Address]

**2-22 Nagata, Chiryu-shi, Aichi, Japan**

[Measurement Method]

## Emission test

Radiated disturbance : Enclosure Port

Disturbance electric field test

[Test condition]      On the reference ground plane, In-vehicle equipment test (1m Method),  
Measurement Frequency Range : 150 kHz - 2.5 GHz,

Conducted disturbance Measurement: DC power line port

Conductive interference test against in-vehicle equipment

## Immunity test

Electro static discharge test

Contact discharge, Air discharge, Indirect discharge

Radiated electromagnetic field strength  
against in-vehicle

Measurement Frequency Range: 80 MHz – 6 GHz

TEM cell

Measurement Frequency Range : 80 MHz – 6 GHz

Stripline

Measurement Frequency Range : 10 kHz – 200 MHz

Measurement Frequency Range : 10 kHz – 400 MHz

Electrical fast transient/burst (EFT/B)

Mains port, Telecommunication/Signal port

Immunity to transient disturbances conducted along supply lines / other than supply lines

Surge

Mains port

RF conducted interference

Mains port, measurement frequency range: 150 kHz – 80 MHz

Telecommunication/Signal port, measurement frequency range: 150 kHz – 80 MHz

Bulk current injection test, measurement frequency range: 1 MHz – 400 MHz

## Vehicle /In-vehicle equipment test

ESA (In-vehicle equipment) Emission

ESA (In-vehicle equipment) Immunity

## Telecommunication equipment performance 1

~~Based on European standards~~ \*4

\*4: Suspended as of May 24, 2022

**Voluntary EMC Laboratory Accreditation Center Inc.**

# Scope of Accreditation

(Test standards)

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[Test standards]

**Immunity test**

**IEC 61000-4-2/-4-3/-4-4/-4-5/-4-6**

**EN 61000-4-2/-4-3/-4-4/-4-5/-4-6**

**Vehicle /In-vehicle equipment test**

**ECE R-10 Clause 6.5, 6.6, 6.7, 6.8, 6.9**

**CISPR 25 :2016<sup>\*1</sup>/2008<sup>\*1</sup>/2002<sup>\*2</sup>, EN 55025 :2016<sup>\*1</sup>/2008<sup>\*1</sup>/2002<sup>\*2</sup>**

**AS/NZS CISPR 25 :2016<sup>\*1</sup>/2008<sup>\*1</sup>/2002<sup>\*2</sup>**

**ISO 11452-2 : 2019/2004(80 MHz - 6 GHz), ISO 11452-3 : 2016/2001**

**ISO 11452-4 : 2011<sup>\*3</sup>/2005, ISO 11452-5**

**ISO 7637-2 : 2011/2004, ISO 7637-3 : 2016/2007/1995**

**ISO 10605 : 2008/2001/1994 (Except for vehicle test)**

**ISO 16750-2**

<sup>\*1</sup> Except for vehicle test, TEM cell method (component/module measurement)  
and Stripline method (component/module measurement)

<sup>\*2</sup> Except for vehicle test and TEM cell method (component/module measurement)

<sup>\*3</sup> Except for TWC test method

**Telecommunication equipment performance 1**

**~~EN 301 489-1/-3/-17:V3.1.1/-19(Immunity test only)~~ <sup>\*4</sup>**

<sup>\*4</sup>: Suspended as of May 24, 2022

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