

# Scope of Accreditation

(Measurement Method)

Accreditation Number : VLAC-032

Expiration Date : February 28, 2020

[Name of Laboratory]

**Hitachi Building Systems Co., Ltd.**

[Test site name]

**Elevator Quality Assurance Dept. EMC examination room**

[Test site Address]

**1070 Ichige, Hitachinaka-shi, Ibaraki-ken, 312-8506 Japan**

## Measurement Method

### Emission test

Radiated disturbance : Enclosure Port

Disturbance electric field test (CISPR 16-2-3)

[Test condition] On the reference ground plane, Measurement distance : 3 m

Measurement Frequency Range : 30 MHz - 1 GHz

Conducted disturbance Measurement: AC mains port (CISPR 16-2-1)

[Test condition] AMN (CISPR 16-1-2),

### Immunity test

Electro static discharge test

IEC 61000-4-2/EN 61000-4-2

Radiated electromagnetic field strength

IEC 61000-4-3/EN 61000-4-3

Measurement frequency range:80 MHz – 6 GHz

Electrical fast transient/burst (EFT/B)

IEC 61000-4-4/EN 61000-4-4

Mains port, Telecommunication/Signal port

Surge

IEC 61000-4-5/EN 61000-4-5

Mains port, Telecommunication/Signal port

RF conducted interference

IEC 61000-4-6/EN 61000-4-6

Mains port measurement frequency range:150 kHz – 80 MHz

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

Interruptions and Voltage variations

IEC 61000-4-11/EN 61000-4-11

### Harmonic current

Harmonic current test (IEC 61000-3-12)

**Voluntary EMC Laboratory Accreditation Center Inc.**

# **Scope of Accreditation**

(Test standards)

**Accreditation Number : VLAC-032**

**Expiration Date : February 28, 2020**

[Name of Laboratory]

**Hitachi Building Systems Co., Ltd.**

[Test site name]

**Elevator Quality Assurance Dept. EMC examination room**

[Test site Address]

**1070 Ichige, Hitachinaka-shi, Ibaraki-ken, 312-8506 Japan**

## **Test standards**

### **Emission test**

**CISPR 11, CISPR 14-1, EN 55011, EN 55014-1,  
IEC 61000-6-3, IEC 61000-6-4, EN 61000-6-3, EN 61000-6-4, EN 12015,  
ISO 22199**

### **Immunity test**

**IEC 61000-6-1, IEC 61000-6-2, EN 61000-6-1, EN 61000-6-2, EN 12016,  
ISO 22200**

### **Harmonic Test in Public Low Voltage Systems**

**IEC 61000-3-12, IEC 61000-3-11, EN 61000-3-12, EN 61000-3-11**

**Voluntary EMC Laboratory Accreditation Center Inc.**