

Scope of Accreditation

(Measurement Method)

Accreditation Number : VLAC-005-3

Expiration Date : July 22, 2023

[Name of Laboratory]

KEC Electronic Industry Development Center

[Test site name]

Testing Division Ikoma 2nd Test Site

[Test site Address]

10630 Takayama-cho Ikoma City Nara 630-0101 JAPAN

[Measurement Method]

Emission test

Radiated disturbance : Enclosure Port

Disturbance electric field test

[Test Condition] **On the reference ground plane, Measurement distance : 3m
Measurement Frequency Range : 30 MHz – 1 GHz**

[Test Condition] **Quasi Free Space**

Measurement Frequency Range : 1 GHz – 40 GHz

Disturbance magnetic field strength measurement

[Test Condition] **Loop Antenna, 3-axis loop antenna**

Conducted disturbance measurement : AC mains port

Disturbance voltage measurement [Test Condition] AMN, High impedance probe

Conductive interference measurement : Telecommunication port

Disturbance voltage measurement [Test Condition] AMN, AAN, Capacitive voltage probe

Disturbance current measurement [Test Condition] Current probe

Conductive interference measurement : DC power line port

Disturbance voltage measurement [Test Condition] AMN, High impedance probe

Antenna port, RF modulator output port, Tuner port

Disturbance voltage measurement [Test Condition] AMN, High impedance probe

Disturbance current measurement [Test Condition] Current probe

Wanted signal and disturbance voltage test at the RF output [Test Condition] Selective voltmeter

Local oscillator power at the input terminal of the outdoor unit

Telecommunication equipment performance 1

Intentional Radiators (FCC Part 15 Subpart C)

U-NII without DFS International Radiators (FCC Part 15 Subpart E)

U-NII with DFS International Radiators (FCC Part 15 Subpart E)

Based on European standards

Based on Canadian standards

Voluntary EMC Laboratory Accreditation Center Inc.

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(Test standards)

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[Test standards]

Emission test

Technical requirements under the Electrical Appliances and Materials safety Act appendix 10 Chapter 2/3/4/5 *1

Enforcement rule of Radio Law : Article 46.7

**Nippon Kaiji Kyokai Technical rule of Materials and Equipment for Marine Use: Article 7 Chapter 1
VCCI Technical Requirements: VCCI-CISPR 32**

AS CISPR 11, AS/NZS CISPR 12, AS/NZS CISPR 13*1, AS CISPR 14.1*1

AS CISPR 15, AS/NZS CISPR 22, AS/NZS CISPR 32, AS/NZS 61000.6.3, AS/NZS 61000.6.4

CISPR 11, CISPR 12, CISPR 13*1, CISPR 14-1*1, CISPR 15, CISPR 22, CISPR 32

CISPR 16-1-2/-1-3/-1-4, CISPR 16-2-1/-2-2/-2-3

EN 12015, EN 50121-3-2, EN 50121-4, EN 50121-5, EN 55011, EN 55012, EN 55013*1

EN IEC 55014-1*1, EN IEC 55015, EN 55032, EN 55103-1

EN 61000-6-3, EN IEC 61000-6-4, EN IEC 61000-6-8

EN 60601-1-2, EN 60601-2-5/-2-18/-2-21/-2-24/-2-35/-2-37, EN IEC 60601-2-16/-2-39

EN 61326-1, EN 61326-2-1/-2-2/-2-6

EN 60945, EN IEC 61800-3, EN 61851-21-1, EN 61851-21-2, EN IEC 62040-2

BS EN 12015, BS EN 50121-3-2, BS EN 50121-4, BS EN 50121-5, BS EN 55011, BS EN 55012

BS EN 55013, BS EN IEC 55014-1*1, BS EN IEC 55015, BS EN 55032, BS EN 55103-1

BS EN IEC 61000-6-3, BS EN IEC 61000-6-4, BS EN IEC 61000-6-8

BS EN 60601-1-2, BS EN 60601-2-5/-2-18/-2-21/-2-24/-2-35/-2-37, BS EN IEC 60601-2-16/-2-39

BS EN 61326-1, BS EN 61326-2-1/-2-2/-2-6

BS EN 60945, BS EN IEC 61800-3, BS EN 61851-21-1, BS EN 61851-21-2, BS EN IEC 62040-2

FCC 47CFR Part15 Subpart B : ANSI C63.4 -2014(up to 40 GHz)

FCC 47CFR Part15 Subpart B : ANSI C 63.4a-2017(up to 40 GHz)

FCC 47CFR Part15 Subpart B : FCC MP-2

FCC 47CFR Part18 : FCC MP-5(up to 40 GHz)

GOST 30805.22, IACS E10, ICES-001, ICES-003, ICES-005, BETS-7

***1 : Except for Disturbance electric power measurement**

IEC 61000-6-3, IEC 61000-6-4, IEC 61000-6-8

IEC 60601-1-2, IEC 60601-2-5/2-16/-2-18/-2-21/-2-24/-2-35/-2-37/-2-39

IEC 61326-1, IEC 61326-2-1/-2-2/-2-6

IEC 60945, IEC 61800-3, IEC 61851-21-1, IEC 61851-21-2, IEC 62040-2

IEC 62236-3-2, IEC 62236-4, IEC 62236-5

J55011, J55014-1*1, J55015, CISPRJ 15, J55032, CISPRJ 32
JIS C 4411-2, JIS C 61326-1, JIS C 61326-2-1/-2-2/-2-6
JIS T 0601-1-2, JIS T 0601-2-2/-2-5/-2-16/-2-18/-2-21/-2-24/-2-35/-2-37/-2-39/-2-201/-2-202/-2-203
/-2-204/-2-205/-2-206/-2-207/-2-208

***1 : Except for Disturbance electric power measurement**

Telecommunication characteristic test 1

IC RSS-Gen, IC RSS-210, IC RSS-247

EN 300 328, EN 300 330, EN 300 440(up to 40 GHz)

EN 301 489-1, EN 301 489-3, EN 301 489-17, EN 301 489-19, EN 301 893

EN 303 413

ANSI C63.10-2013(up to 40 GHz)

FCC KDB Publication 905462 D02 U-NII DFS Compliance Procedures New Rules v02 (April 8, 2016)
(up to 40 GHz)

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