

Details regarding VLAC-008-3 site

Accreditation No.	VLAC-008-3
Name of Laboratory	Intertek Japan K.K
Test site name	Matsuda Laboratory
Address	1283, Yadoriki, Matsuda-machi, Ashigarakami-gun, Kanagawa
Responsible person	Yoshiaki Yoneyama
TEL	0465-89-2316
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—SCOPE OF ACCREDITATION—

【Measurement Method】

Emission Test

Radiated disturbance: Enclosure Port

Radiated field strength measurement (CISPR 16-2-3, ANSI C63.4:2003)

[Test Condition] * On the ground reference plane, Measurement distance: 3m, 10m

Frequency Range (30MHz~40GHz)

[Test Facilities] No.1, No.2, No.3, No.4, Open test Site

[Test Condition] Quasi Free Space, Frequency Range (1GHz~6GHz)

[Test Facilities] No.5 Open test Site

Radiated magnetic field strength measurement (CISPR16-2-3)

[Test Facilities] No.1, No.2, No.3, No.4 Open test Site,

No.1, No.2, No.3, No.4 Shielded Room

Disturbance power measurement (CISPR16-2-2)

[Test Facilities] Matsuda No.1, No.2, No.3 Shielded Room

Conducted disturbance: AC mains port

Disturbance voltage measurement (CISPR 16-2-1, ANSI C63.4:2003)

[Test Condition] AMN, High-impedance Probe (CISPR 16-1-2)

[Test Facilities] No.1, No.2, No.3, No.4 Open test Site,

No.1, No.2, No.3, No.4 Shielded Room

Conducted disturbance: Telecommunications port

Disturbance voltage measurement (CISPR 22 Clause 9.6 and Annex C)

[Test Condition] AAN (CISPR 16-1-2)

Disturbance current measurement (CISPR 22 Clause 9.6 and Annex C)

[Test Condition] Current probe (CISPR 16-1-2)

[Test Facilities] No.1, No.2, No.3, No.4 Open test Site,

No.1, No.2, No.3, No.4 Shielded Room

Immunity Test

ESD (IEC61000-4-2), Radiated electromagnetic field strength (IEC61000-4-3),

EFT/B (IEC61000-4-4): AC mains port/Telecommunications port,

Surge (IEC61000-4-5): AC mains port,

RF conducted (IEC61000-4-6): AC mains port/Telecommunications port,

Power frequency magnetic field (IEC61000-4-8),

Interruptions and voltage variations/dip (IEC61000-4-11)

[Test Facilities] No.7 SAC, No.8 SAC (All immunity tests above)

No.1, No.2, No.3 Shielded Room (ESD Test only)

No.1, No.2, No.3 Open test Site (Magnetic Field Strength immunity)

Harmonic Test in Public Low Voltage Systems

Harmonic current (IEC61000-3-2), Voltage fluctuations and flicker (IEC61000-3-3)

[Test Facilities] Matsuda No.1, No.2, No.3 Open test Site

Telecommunications Equipment Performance Test 1

Others (FCC Part15 Subpart C, E, Tests based on EN Standards and Canada Standards)

Signal Characteristics (Frequency Stability, Modulation characteristics, OBW, Signal spectrum)

[Test Facilities] Matsuda No.1, No.2, No.3 Open test Site

Power Consumption Test

Typical Electricity Consumption Method

Operation Mode Method

【Measurement Standard】

Emission Test

V-3 : VCCI Technical Requirement

FCC 47CFR/Part15 Subpart B/ANSI C63.4 (2003) ,

FCC 47CFR/Part18/MP-5

CISPR11, CISPR14-1, CISPR 15, CISPR22,

EN55011, EN55014-1, EN 55015, EN55022, J55001, J55014-1, J55022

Clause 1 of ministerial ordinance (Article4, 5, 7 & 9): Technical requirement of Electrical Appliances and Material Safety Act for the disturbance noise level

Enforcement rule of Radio Law : Article 46.2 Clause 1 Section 5 (Broadband Power Line Communications Equipment)

AS/NZS CISPR11, AS/NZS CISPR14.1, AS/NZS CISPR15, AS/NZS CISPR22,

AS/NZS 61000.6.3, AS/NZS 61000.6.4, AS/NZS 3200.1.2

ICES-001, ICES-003, ICES-005, CNS 13803, CNS 13438, CNS 13783-1

IEC61000-6-3, IEC61000-6-4, EN61000-6-3, EN61000-6-4

IEC60601-1-2(Particular requirement IEC60601-2 series),

EN60601-1-2((Particular requirement EN60601-2 series)

JIS T0601-1-2(Particular requirement JIS T0601-2 series)

IEC61326-1(Particular requirement IEC61326-2 series),

EN61326-1(Particular requirement EN61326-2 series), JIS C1806-1

Immunity Test

CISPR14-2, CISPR24, EN55014-2, EN55024

IEC61000-6-1, IEC61000-6-2, EN61000-6-1, EN61000-6-2

AS/NZS CISPR14.2, AS/NZS CISPR24, AS/NZS 61000.6.1, AS/NZS 61000.6.2

JIS C61000-6-1, JIS C61000-6-2, J 1000, AS/NZS 3200.1.2

IEC60601-1-2(Particular requirement IEC60601-2 series),

EN60601-1-2((Particular requirement EN60601-2 series)

JIS T0601-1-2(Particular requirement JIS T0601-2 series)

IEC61326-1(Particular requirement IEC61326-2 series),

EN61326-1(Particular requirement EN61326-2 series), JIS C1806-1

Harmonic Test in Public Low Voltage Systems

IEC61000-3-2, JIS C61000-3-2, EN61000-3-2, IEC61000-3-3, EN61000-3-3

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

AS/NZS 61000.3.2, AS/NZS 61000.3.3, AS/NZS 61000.6.3, AS/NZS 61000.6.4

AS/NZS 3200.1.2, AS/NZS 61000.3.11, AS/NZS 61000.3.12

IEC61000-6-3, IEC61000-6-4, EN61000-6-3, EN61000-6-4

IEC60601-1-2(Particular requirement IEC60601-2 series),

EN60601-1-2((Particular requirement EN60601-2 series)

JIS T0601-1-2(Particular requirement JIS T0601-2 series)

IEC61326-1(Particular requirement IEC61326-2 series),

EN61326-1(Particular requirement EN61326-2 series), JIS C1806-1

Telecommunications Equipment Performance Test 1

FCC 47CFR/Part15 Subpart C, IC RSS-Gen/-210

EN300 328, EN301 489-1, EN300 330-1/-2, EN300 440-1/-2

Power Consumption Test

International Energy Star Program (Video Equipment)

US Energy Star Program (Video Equipment, Telephon Equipment)