

Details regarding VLAC-017 site

Accreditation No.	VLAC-017
Name of Laboratory	TÜV Rheinland Japan Ltd.
Test site name	Global Technology Assessment Center
Address	4-25-2 Kita-Yamata, Tsuzuki-ku Yokohama, 224-0021, Japan
Responsible person	Arun Gayen
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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
Quasi Free Space, Frequency Range (1GHz~6GHz)

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

Disturbance power measurement (CISPR16-2-2)

[Test Condition] Clamp (CISPR 16-1-3)

[Name of Test Facility] RF Chamber big

Conducted disturbance: AC/DC mains port

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

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

[Name of Test Facility] RF Chamber big, Shield Room

Conducted disturbance: Telecommunications port

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

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

[Name of Test Facility] RF Chamber big, Shield 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)

[Name of Test Facility] RF Chamber Big(All immunity test above),

Shield Room (RF conducted only),

RF Chamber Small (Radiated immunity only),

Pulse Room (Except Radiated immunity and RF conducted)

Harmonic Test in Public Low Voltage Systems

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

[Name of Test Facility] Pulse Room, RF Chamber Big

Telecommunications Equipment Performance Test 1

Tests based on FCC Part2: Transmission Power (Antenna terminal, Radiated),

Spurious (Antenna terminal, Radiated)

Signal Characteristics (Frequency Stability, Modulation

characteristics, OBW, Signal spectrum)

Others: (Tests based on FCC Part15 Subpart C, D, E, ANSI C63.4/C63.17,

Tests based on EN Standards and Canada Standards)

[Name of Test Facilities] RF Chamber Big, RF Chamber Small, Shield Room

[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, CISPR22, EN55011, EN55014-1, EN55022

Technical requirement of Electrical Appliances and Material Safety Act for the disturbance noise level: Clause 1 of Ministerial Ordinance (Chapter 2, 4, 5, 7 & 9)

J55001, J55011, J55014-1, J55022, ICES-001, ICES-003, CNS13438

AS/NZS CISPR11, AS/NZS CISPR14.1, AS/NZS CISPR22, AS/NZS 61000.6.3,

IEC61000-6-3, IEC61000-6-4, EN61000-6-3, EN61000-6-4, AS/NZS 61000.6.4

JIS C1806-1, IEC61326-1, EN61326-1, JIS T0601-1-2, IEC60601-1-2, EN60601-1-2

Immunity Test

CISPR14-2, CISPR24, EN55014-2, EN55024,

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

JIS C1806-1, IEC61326-1, EN61326-1, JIS T0601-1-2, IEC60601-1-2, EN60601-1-2

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

Harmonic Test in Public Low Voltage Systems

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

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

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

JIS C1806-1, IEC61326-1, EN61326-1, JIS T0601-1-2, IEC60601-1-2, EN60601-1-2

Telecommunications Equipment Performance Test 1

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

EN300 328, EN301 489-1, EN301 489-17