

Scope of Accreditation

(Measurement Method)

Accreditation Number : VLAC-042

Expiration Date : March 16, 2019

[Name of Laboratory]

Sharp Corporation

[Test site name]

Sharp Tochigi EMC Test Center

[Test site Address]

174 Hayakawa-cho, Yaita-shi, Tochigi, 329-2193, JAPAN

Measurement Method

Emission test

Radiated disturbance : Enclosure Port

Disturbance electric field test (CISPR 16-2-3, ANSI C63.4-2003/2009/2014)

[Measurement condition] On the reference ground plane, Measurement distance : 3 m/10 m

Measurement Frequency Range : 30 MHz - 26.5 GHz

[Measurement condition] Quasi Free Space

Measurement Frequency Range : 1 GHz - 26.5 GHz

Disturbance magnetic field strength measurement

[Test condition] Loop Antenna (CISPR 16-2-3)

Disturbance power measurement

[Test condition] CMAD (CISPR 16-1-3)

Conducted disturbance Measurement: AC mains port (CISPR 16-2-1, ANSI C63.4-2003/2009/2014)

[Measurement condition] AMN (CISPR 16-1-2)

Conducted disturbance Measurement: Telecommunication port (CISPR 22, CISPR 32)

[Measurement condition] AMN (CISPR 22), AAN (CISPR 32)

Conducted disturbance Measurement: Antenna port, RF modulator output port, Tuner port Wanted signal and disturbance voltage test at the RF output (CISPR 13 Clause 5.4 and 5.5)

[Measurement condition] Selective voltmeter (CISPR 13 Clause 5.4 and 5.5)

Voluntary EMC Laboratory Accreditation Center Inc.

Scope of Accreditation

(Test standards)

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Test standards

Emission test

VCCI Technical Requirements : V-3/VCCI-CISPR 32

FCC 47CFR/Part15 Subpart B ANSI C63.4-2003/2009/2014

FCC 47CFR/Part15 Subpart B Broadcast receivers including MP-2

FCC 47CFR/Part18/MP-5

CISPR 11, CISPR 13, CISPR 14-1, CISPR 22, CISPR 32

EN 55011, EN 55013, EN 55014-1, EN 55022, EN 55032

J55011, J55013, J55014-1, J55022

AS/NZS CISPR 11, AS/NZS CISPR 13, AS/NZS CISPR 14.1, AS/NZS CISPR 22

AS/NZS CISPR 32

Technical requirements under the Electrical Appliances and Materials safety Act appendix 10

Chapter 2, Chapter 3, Chapter 4, Chapter5, and Chapter 7

ICES-001, ICES-003, BETS-7, CNS13803, CNS13439, CNS13438, CNS13783-1

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