Scope of Accreditation

（Measurement Method）

Accreditation Number: VLAC-029
Expiration Date: February 9, 2026

〔Name of Laboratory〕

Sharp Corporation

〔Test site name〕

Sharp Nara Test Center

〔Test site Address〕

492 Minosho-Cho, Yamatokoriyama-Shi, Nara 639-1186, Japan

〔Measurement Method〕

Emission test

Radiated disturbance: Enclosure Port

Disturbance electric field test

[Test condition] On the reference ground plane, Measurement distance: 3 m / 10 m
Measurement Frequency Range: 30 MHz – 1 GHz

[Test condition] Quasi Free Space, Measurement Frequency Range: 1 GHz – 30 GHz

Conducted disturbance Measurement: AC mains port

Voltage measurement [Test condition] AMN

Conducted disturbance Measurement: Telecommunication port

Voltage measurement [Test condition] AAN

Immunity test

Electro static discharge test	**Contact discharge, Air discharge, Indirect discharge**
Radiated electromagnetic field strength	**Measurement frequency range: 80 MHz – 6 GHz**
Electrical fast transient/burst (EFT/B)	**Mains port, Telecommunication/Signal port**
Surge	**Mains port, Telecommunication/Signal port**
RF conducted interference	**Mains port measurement frequency range: 150 kHz – 80 MHz** **Telecommunication/Signal port measurement frequency range: 150 kHz – 80 MHz**
Radiated magnetic field	
Interruptions and Voltage variations	

Harmonic current

Harmonic current test

Voltage changes, Voltage fluctuations and Flicker test

Acoustics

Airborne noise emission test

Telecommunication equipment performance 1

Based on European standards

Voluntary EMC Laboratory Accreditation Center Inc.

Scope of Accreditation

（Test standards）

Accreditation Number: VLAC-029
Expiration Date: February 9, 2026

〔Name of Laboratory〕

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〔Test standards〕

Emission test

VCCI Technical Requirements: VCCI-CISPR 32:2016[*1]
Technical requirements under the Electrical Appliances and Materials safety Act appendix 10 Chapter 4
FCC 47 CFR Part 15 Subpart B: ANSI C63.4-2014[*2]
CISPR 22:2008, CISPR 32:2015+A1:2019[*1], EN 55032:2015+A11:2020+A1:2020[*1]
AS/NZS CISPR 32:2015+A1:2020[*1], ICES-003(Issue 7)
[*1] Except for broadcast radio receivers. [*2] Up to 26.5 GHz / 30 GHz (Class A Only)
[Note 1] In emission testing, In-Situ are outside the scope of accreditation.

Immunity test

CISPR 24:2010+A1:2015[*3], EN 55024:2010+A1:2015[*3]
CISPR 35:2016[*4], EN 55035:2017+A11:2020[*4]
[*3] Except for Annex A and Annex H. [*4] Except for Annex A, Annex E and Annex H.

Harmonic Test in Public Low Voltage Systems

IEC 61000-3-2:2018+A1:2020, EN 61000-3-2:2014, EN IEC 61000-3-2 :2019+A1:2021
JIS C 61000-3-2:2019
IEC 61000-3-3:2013+A1:2017+A2:2021, EN 61000-3-3:2013+A1:2019+A2:2021

Airborne noise emission test

ISO 7779:2018, ECMA-74:20th edtion, JIS X 7779:2012
German Blue Angel Mark: RAL-UZ 122, RAL-UZ 171, RAL-UZ 205, DE-UZ 205, DE-UZ 219
Japan Environment Association Eco Mark products category: No.117, No.122, No.155

Telecommunication equipment performance 1

EN 301 489-1:V2.2.3, EN 301 489-3:V2.1.1 / V2.3.2, EN 301 489-17:V3.2.4
EN 301 489-19:V1.2.1 / V2.1.1 / V2.2.1, EN 300 330:V2.1.1 (Class1, 13.56MHz Only)

Voluntary EMC Laboratory Accreditation Center Inc.

The laboratory is only accredited for testing activities outlined within the test methods listed above.
If test standards do not include the edition, it means the latest one at the date of renewal (3.19, 2024).