

EN 62479: 2010

TEST REPORT

For

UP-Core board

Trade Name: AAEON

Model: xUPC-CHT01x (x-where x may be any combination of alphanumeric characters or “-“ or blank)

Issued to

AAEON Technology Inc.

5F, No.135, Lane 235, Pao Chiao Rd, Hsin-Tien Dist., New Taipei City, Taiwan, R.O.C

Issued by

Compliance Certification Services Inc.

Wugu Laboratory

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Testing Laboratory
1309

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
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1 Test Result Certification

Applicant: AAEON Technology Inc.
5F, No.135, Lane 235, Pao Chiao Rd, Hsin-Tien Dist., New Taipei City, Taiwan, R.O.C

Equipment Under Test: UP-Core board

Trade Name: AAEON

Model: xUPC-CHT01x (x-where x may be any combination of alphanumeric characters or “-“ or blank)

Model Discrepancy: All the above models are identical except for the designation of model numbers. The suffix of (x-where x may be any combination of alphanumeric characters or “-“ or blank) on model number is just for marketing purpose only

Applicable Standards
EN 62479: 2010
Result
PASS

The above equipment was tested by Compliance Certification Services Inc. for compliance with the requirements set forth in EN 62479:2010. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:



Sam Chuang
Manager

Tested by:



May Lin
Report coordinator

2 EUT Description

Frequency Range	Bluetooth: 2402 ~ 2480 MHz 2.4GHz WiFi 2412 ~ 2472 MHz
Max EIRP Power in Watt (TP)	Bluetooth: 2.84 dBm (0.002 W) 2.4GHz WLAN 17.35 dBm (0.054 W)
Antenna gain (G)	Bluetooth: 2.00 dBi (Numeric gain: 1.58) worst 2.4GHz 2.00 dBi (Numeric gain: 1.58) worst

Remark: for more details, please refer to the User's manual of the EUT.

3 Facilities and Accreditations

3.1. Facilities

All measurement facilities used to collect the measurement data are located at

☐ No.199, Chunghsen Road, Hsintien City, Taipei Hsien, Taiwan, R.O.C.

Tel: 886-2-2217-0894 / Fax: 886-2-2217-1029

☒ No.11, Wugong 6th Rd., Wugu Dist, New Taipei City 24891, Taiwan (R.O.C.)

Tel: 886-2-2299-9720 / Fax: 886-2-2298-4045

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

3.2. Equipment

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with preselectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

4 EN 62479: 2010 Requirement

4.1. General Information

The device must comply with the requirements of the standards as below:

EN 62479: 2010 , Assessment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10MHz to 300GHz)

4.2. Limit

Equipment where the available antenna power and/or the average total radiated power is less than or equal to the low-power exclusion level.

- A. Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

NOTE: Equipment is described as A/V equipment, ITE or MME if its main use is play back/recording of music, voice or images, or processing of digital information.

- B. The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in 4.2.
- C. The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in 4.2.
- D. Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2.

5 Test Results

The average total radiated power is 0.054W (17.35dBm) less than the low-power exclusion level defined in 4.2 (Pmax: 20mW). Therefore, the device is compliance.