ACCREDITED
CERTIFICATE #5473.01

Test Report No.:
FCC2022-0067-H

Test Report

EUT	:	**WiFi module**
MODEL	:	**HLK-7628N**
BRAND NAME	:	**N/A**
APPLICANT	:	**Chengdu Vantron Technology Co., Ltd.**
Classification Of Test	:	**N/A**

CVC Testing Technology Co., Ltd.

Client	**Name :Chengdu Vantron Technology Co., Ltd.** **Address :No.5 GaoPeng Road, Hi-Tech Zone, Chengdu, SiChuan, P.R. China**
Manufacturer	**Name :Chengdu Vantron Technology Co., Ltd.** **Address :No.5 GaoPeng Road, Hi-Tech Zone, Chengdu, SiChuan, P.R. China**
Equipment Under Test	**Name :WiFi module** **Model/Type:HLK-7628N** **Trade mark :N/A** **Serial NO.:N/A** **Sampe NO.:4-1**

Date of Receipt.	**2022.11.14**	Date of Testing	**2022.11.14～2022.11.25**

Test Specification	**Test Result**
FCC Part 2 (Section 2.1091) **KDB 447498 D04** **IEEE C95.1**	PASS

Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC **Issue Date: 2022.11.25**

Tested by:	Reviewed by:	Approved by:
Xu ZhenFei	Liu YongHai	Chen HuaWen
Name Signature	Name Signature	Name Signature

Other Aspects: NONE.

Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2022-0067-H	Original release	2022.11.25

1. GERTIFICATION

PRODUCT	WiFi module
BRAND	N/A
MODEL	HLK-7628N
ADDITIONAL MODEL	N/A
FCC ID	2AAGEHLK-7628N
POWER SUPPLY	DC 3.3V from host unit
OPERATING FREQUENCY	2412-2462MHz for 2.4G WIFI
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A

Remark:

1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. EUT photo refer to the report (Report NO.: FCC2022-0067-E).

2. RF EXPOSURE LIMIT

(Option B) According to FCC Part2.1091 and FCC Part1.1307b, the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold Pth (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P is given by:

$$P_{\text{th}}\,(\text{mW}) = \begin{cases} ERP_{20\text{ cm}}(d/20\text{ cm})^{x} & d \le 20\text{ cm} \\ ERP_{20\text{ cm}} & 20\text{ cm} < d \le 40\text{ cm} \end{cases}$$

Where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\text{ cm}}\sqrt{f}}\right)$$

and f is in GHz;
and

$$P_{\text{th}}\,(\text{mW}) = ERP_{20\text{ cm}}\,(\text{mW}) = \begin{cases} 2040f & 0.3\text{ GHz} \le f < 1.5\text{ GHz} \\ 3060 & 1.5\text{ GHz} \le f \le 6\text{ GHz} \end{cases}$$

3. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

4. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	**Peak Gain (dBi)**	**Antenna Type**
2.4G WIFI	3.0	External Antenna

This is provided by the manufacturer. The laboratory is not responsible for technical data provided by the customer.

5. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The measured conducted Average Power

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
2.4G WIFI	2412-2462MHz	16	+-1	15	17

The tuned conducted Average Power (declared by client)

Technology	**Maximum conducted power (dBm)**	**Maximum Antenna Gain (dBi)**	**Pth(dBm)**	**Pth(mW)**	**Part1.1307b Threshold (mW)**	**Verify**
2.4G WIFI	17	3	20	100	3060	PASS

Important

(1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.

(2) The test report is invalid if altered.

(3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.

(4) Objections to the test report must be submitted to the laboratory within 15 days.

(5) Generally, commission test is responsible for the tested samples only.

(6)Any photocopies or part photocopies of the test report are forbidden without the written permission from CVC;

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