

FCC RF EXPOSURE REPORT

FCC ID: 2BDCC- WB5AC

Test Report No.....: RF230720005-02-003

Product(s) Name.....: Wireless bridge

Model(s).....: WB 5acL3, WB 5acL8, WB 5a-S, WB 5ac Base, WB 5ac-N, WB 5acDish, WB 5acDish Pro

Trade Mark.....: N/A

Applicant.....: Shenzhen Yunlink Technology Co., Ltd

Address.....: Floor 3-4, Building B3, An'le Industrial Zone, No. 172 Hangcheng Blvd., Sanwei Community, HangchengStreet, Bao'an, Shenzhen, Guangdong Province, China

Receipt Date.....: 2023.07.20

Test Date.....: 2023.09.23~2023.10.30

Issued Date.....: 2023.11.01

Standards.....: FCC Guidelines for Human Exposure IEEE C95.1
FCC Title 47 Part 2.1091
KDB 447498 D01 General RF Exposure Guidance v06

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

Prepared By:	Checked By:	Approved By:	
Black Ding	Tim Zhang	Misue Su	
<i>Black Ding</i>	<i>Tim.zhang</i>	<i>Misue Su</i>	

History of this test report

Original Report Issue Date: 2023.11.01

- ☒ No additional attachment
- ☐ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1.. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

Antenna gain		Antenna Type
Ant1: 10dBi	Ant2: 10dBi	Internal Antenna

2.. TEST RESULTS

Worst case as below

Operating Mode	Freq.	Maximum conducted output power	Directional Antenna Gain	Calculated maximum EIRP		MPE Limit	MPE Value
	(MHz)	(dBm)	(dBi)	(dBm)	(mW)	(mW/cm ²)	
5G Wifi ant1	5180-5825	8.68	10	18.68	73.79	1	0.015
5G Wifi ant2	5180-5825	9.13	10	19.13	81.85	1	0.016

Note: 1. The calculated distance is 20 cm.

Simultaneous transmitting consideration

The ratio= $MPE_{5G\ Wifi\ ant1}/limit + MPE_{5G\ Wifi\ ant2}/limit = 0.015/1 + 0.016/1 = 0.031 < 1.0$

Result: Complies

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technology Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technology Co., Ltd.

Address: Room 110, 111, 112, 113, 115, 116, Block B, Jinyuan Business Building, No. 302, Xixiang Avenue, Labor Community, Xixiang Street, Baoan District, Shenzhen, China

Tel: 0755-26024411

Email: service@hy-lab.cn

(END OF REPORT)