



# FCC RF EXPOSURE REPORT

#### **CERTIFICATION TEST REPORT**

For

Ridge Racer-Stand Up, Ridge Racer-Sit Down

**MODEL NUMBER: RID-A-10175, RID-A-10174** 

**FCC ID: 2APXHRIDGE** 

REPORT NUMBER: 4790049323-3

ISSUE DATE: September 14, 2021

Prepared for

WF TASTEMAKERS TRADING LIMITED (FCC)
Unit 05 and unit 06, 6th Floor, Greenfield Tower Concordia Plaza, 1 Science
Museum Road, TST East

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Prepared by

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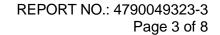
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# **Revision History**

Rev.	Issue Date	Revisions	Revised By
V0	09/14/2021	Initial Issue	





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# 1. ATTESTATION OF TEST RESULTS

**FCC** 

**Applicant Information** 

Company Name: WF TASTEMAKERS TRADING LIMITED

**Address:** Unit 05 and unit 06, 6th Floor, Greenfield Tower Concordia Plaza,

1 Science Museum Road, TST East

**ISED** 

**Applicant Information** 

**Company Name:** WF Tastemakers Trading Limited (ISED)

**Address:** 980 Avenue of the Americas, 3rd Floor New York NY 10018

United States Of America

**FCC** 

**Manufacturer Information** 

Company Name: WF TASTEMAKERS TRADING LIMITED

Address: Unit 05 and unit 06, 6th Floor, Greenfield Tower Concordia Plaza,

1 Science Museum Road, TST East

**ISED** 

**Manufacturer Information** 

**Company Name:** 

Address: WF Tastemakers Trading Limited (ISED)

**EUT Information** 

EUT Name: Ridge Racer-Stand Up, Ridge Racer-Sit Down

Model: RID-A-10175
Series Model: RID-A-10174
Brand: ARCADE 1 UP
Sample Received Date: July 26, 2021
Sample Status: Normal

Sample Status: Normal Sample ID: 4138087

Date of Tested: August 19, 2021 ~ August 26, 2021



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APPLICABLE STANDARDS				
STANDARD	TEST RESULTS			
FCC 47CFR§2.1091	PASS			

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Approved By:

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# 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.

# 3. FACILITIES AND ACCREDITATION

A2LA (Certificate No.: 4102.01)
UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
has been assessed and proved to be in compliance with A2LA.
FCC (FCC Designation No.: CN1187)
UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Has been recognized to perform compliance testing on equipment subject
to the Commission's Declaration of Conformity (DoC) and Certification rules
ISED (Company No.: 21320)
UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
has been registered and fully described in a report filed with
Industry Canada. The Company Number is 21320.
VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)
UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
has been assessed and proved to be in compliance with VCCI, the
Membership No. is 3793.
Facility Name:
Chamber D, the VCCI registration No. is G-20019 and R-20004
Shielding Room B, the VCCI registration No. is C-20012 and T-20011

Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China.



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# 4. REQUIREMENT

## **LIMIT AND CALCULATION METHOD**

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with. Limits for General Population/Uncontrolled Exposure

#### **RF EXPOSURE LIMIT**

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm²)	Averaging Time  E ²,  H ² or S (Minutes)
0.3 1.34	614	1.63	(100)*	30
1.34 30	824/f	2.19/f	(180/f <sup>2</sup> )*	30
30 300	27.5	0.073	0.2	30
300 1500			f/1500	30
1500 100,000			1.0	30

## **CALCULATION METHOD**

 $S=PG/4\pi R^2$ 

Where:

S=power density

P=power input to 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



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## **CALCULATED RESULTS**

WIFI 2.4G (Worst case)					
Operating	Max. Tune up Power	Max. \Antenna Gain	Power density	Limit	
Mode	(dBm)	(dBi)	(mW/ cm <sup>2</sup> )	Liiiik	
WIFI 2.4G	14	3.5	0.04997	1	

WIFI5G (Worst case)					
Operating	Max. Tune up Power	Max. Antenna Gain	Power density	Limit	
Mode	(dBm)	(dBi)	(mW/ cm <sup>2</sup> )		
WIFI 5G	13.5	3.4	0.00138	1	

#### Note:

- 1. The Power comes from report operation description.
- 2. The minimum separation distance of the device is greater than 20 cm.
- 3. Calculate by WORST-CASE mode.
- 4. Owing to the maximum Calculated Result is below the limit, so it deemed to comply with the basic restrictions without testing which means that no SAR is required.

**END OF REPORT**