



**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

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Prepared for

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Prepared by

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Revision History

| <u>Rev.</u> | <u>Issue Date</u> | <u>Revisions</u> | <u>Revised By</u> |
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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 ID: 4138087
Date of Tested: August 19, 2021 ~ August 26, 2021



| APPLICABLE STANDARDS | |
|----------------------|--------------|
| STANDARD | TEST RESULTS |
| FCC 47CFR§2.1091 | PASS |

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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

| | |
|---------------------------|--|
| Accreditation Certificate | <p>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.</p> <p>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</p> <p>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.</p> <p>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</p> |
|---------------------------|--|

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.



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/cm ²) | 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 ²)* | 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

**CALCULATED RESULTS**

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

| WIFI5G (Worst case) | | | | |
|---------------------|--------------------|-------------------|------------------------|-------|
| Operating Mode | Max. Tune up Power | Max. Antenna Gain | Power density | Limit |
| | (dBm) | (dBi) | (mW/ cm ²) | |
| 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