



FCC RF EXPOSURE REPORT
CERTIFICATION TEST REPORT

For

Turtles in Time/The Simpsons

MODEL NUMBER: TMN-A-01074, TMN-A-01249, SIM-A-01086, SIM-A-01251, SIM-A-10169

FCC ID: 2APXHTINT

REPORT NUMBER: 4789937988.2-3

ISSUE DATE: June 01, 2021

Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	06/01/2021	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, Hong Kong

ISED

Applicant Information

Company Name: WF Tastemakers Trading Limited
Address: 980 Avenue of the Americas, 3rd Floor New York NY 10018
American Samoa

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, Hong Kong

ISED

Manufacturer Information

Company Name: WF Tastemakers Trading Limited
Address: 980 Avenue of the Americas, 3rd Floor New York NY 10018
American Samoa

EUT Information

EUT Name: Turtles in Time
Model: TMN-A-01074
Series Model: TMN-A-01249, SIM-A-01086, SIM-A-01251, SIM-A-10169
Model differences: TMN-A-01249, SIM-A-01086, SIM-A-01251, SIM-A-10169 have the same technical construction including transmitter & Receiver module, antenna & circuit diagram & main PCB Layout with TMN-A-01074. The difference lies only the model name, Appearance on the stool & Control Deck button socket.
Brand: ARCADE 1 UP
Sample Received Date: May 14, 2021
Sample Status: Normal
Sample ID: 3905035
Date of Tested: May 14, 2021~ May 27, 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.</p> <p>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>
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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. Directional Antenna Gain	Power density	Limit
	(dBm)	(dBi)	(mW/ cm ²)	
WIFI 2.4G	18.5	2.5	0.0250	1

WIFI5G (Worst case)				
Operating Mode	Max. Tune up Power	Max. Directional Antenna Gain	Power density	Limit
	(dBm)	(dBi)	(mW/ cm ²)	
WIFI 5G	13	2	0.0063	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