

FCC RF EXPOSURE REPORT
CERTIFICATION TEST REPORT

For

TIME CRISIS DELUXE EDITION

MODEL NUMBER: TMC-A-300111

FCC ID: 2APXHTMC

REPORT NUMBER: 4790841285.2-1-RF-3

ISSUE DATE: July 21, 2023

Prepared for

WF Tastemakers Trading Limited

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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

Applicant Information

Company Name: WF Tastemakers Trading Limited
Address: FCC Address: Unit 05 and unit 06, 6th Floor, Greenfield Tower
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Manufacturer Information

Company Name: WF Tastemakers Trading Limited
Address: FCC Address: Unit 05 and unit 06, 6th Floor, Greenfield Tower
Concordia Plaza, 1 Science Museum Road, TST East, Hong
Kong
ISED Address: 347 Fifth Avenue Suite 1402-199, New York NY
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Alaska)

EUT Information

EUT Name: TIME CRISIS DELUXE EDITION
Model: TMC-A-300111
Brand: ARCADE1UP
Sample Received Date: April 19, 2023
Sample Status: Normal
Sample ID: 6053096
Date of Tested: April 19, 2023 to July 21, 2023

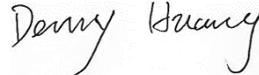
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	PASS

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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 and KDB 447498 D01 General RF Exposure Guidance v06.

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>
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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. DESCRIPTION OF EUT

EUT Name	TIME CRISIS DELUXE EDITION		
Model	TMC-A-300111		
Product Description (2.4G WLAN)	Operation Frequency		2412 MHz ~ 2462 MHz
	IEE Std. 802.11	Modulation	Modulation Type
	b	DSSS	CCK, DQPSK, DBPSK
	g	OFDM	64QAM, 16QAM, QPSK, BPSK
	n HT20	OFDM	64QAM, 16QAM, QPSK, BPSK
	n HT40	OFDM	64QAM, 16QAM, QPSK, BPSK
Product Description (5G WLAN)	Operation Frequency		5150 MHz ~5825 MHz
	IEE Std. 802.11	Modulation	Modulation Type
	a	DSSS	64QAM, 16QAM, QPSK, BPSK
	n HT20	OFDM	64QAM, 16QAM, QPSK, BPSK
	n HT40	OFDM	64QAM, 16QAM, QPSK, BPSK
	ac VHT20	OFDM	256QAM, 64QAM, 16QAM, QPSK, BPSK
	ac VHT40	OFDM	256QAM, 64QAM, 16QAM, QPSK, BPSK
	ac VHT80	OFDM	256QAM, 64QAM, 16QAM, QPSK, BPSK
Ratings	AC 120 V, 60 Hz		

5. 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	Cable loss	Final Gain	Power density	Limit
	(dBm)	(dBi)	(dBi)	(dBi)	(mW/ cm ²)	
WIFI 2.4G	13	3.26	-1.42	1.84	0.00606	1

WIFI5G (Worst case)						
Operating Mode	Max. Tune up Power	Max. Antenna Gain	Cable loss	Final Gain	Power density	Limit
	(dBm)	(dBi)	(dBi)	(dBi)	(mW/ cm ²)	
WIFI 5G	14	3.38	-2.16	1.22	0.00662	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