



FCC RF EXPOSURE REPORT

For

ATARI CENTIPEDE LEGACY WITH RISER ARCADE1UP

MODEL NUMBER: ATR-A-200210, ATR-A-200214

FCC ID: 2APXHCENTI

REPORT NUMBER: 4790280167-8

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Prepared for

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Prepared by

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Revision History

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V0	03/23/2022	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

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EUT Information

EUT Name: ATARI CENTIPEDE LEGACY WITH RISER ARCADE1UP
Model: ATR-A-200210
Series Model: ATR-A-200214
Brand: ARCADE 1 UP
Sample Received Date: February 14, 2022
Sample Status: Normal
Sample ID: 4667005-1
Date of Tested: February 21, 2022 ~ March 21, 2022



APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	PASS
KDB 447498 D01V06	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. KDB 447498 D01V06

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 ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046.</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. EQUIPMENT UNDER TEST

EUT Name	Atari Centipede Legacy
Model Name	ATR-A-200210
Serial Model	ATR-A-200214
Model Difference	Their electrical circuit design, layout, components used and internal wiring are identical, only the color and model name is different. We select "ATR-A-200210" as the representative model for compliance test.
Radio Technology	IEEE802.11b/g/n HT20
Operation frequency	IEEE 802.11b: 2412MHz ~ 2462MHz IEEE 802.11g: 2412MHz ~ 2462MHz IEEE 802.11n HT20: 2412MHz ~ 2462MHz IEEE 802.11n HT40: 2422MHz ~ 2452MHz
Modulation	IEEE 802.11b: DSSS (CCK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT40: OFDM (64QAM, 16QAM, QPSK, BPSK)
Ratings	DC 12 V

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

2.4 GHz WiFi Mode					
Frequency	Output Power	Output Power	Power Density	Power Density Limit	Test Result
MHz	dBm	mW	mW/cm ²	mW/cm ²	--
2412-2462	15	31.62	0.02448	1.0	Complies

Note: 1. Antenna Gain=5.9 dBi (Numeric 3.89), $\pi=3.141$.
2. The Power comes from operation description.
3. The minimum separation distance of the device is greater than 20 cm.
4. Calculate by WORST-CASE mode.

END OF REPORT