



FCC RF EXPOSURE REPORT

CERTIFICATION TEST REPORT

For

**FCC EUT NAME: PAC-MANIA™ LEGACY WITH RISER ARCADE1UP / BANDAI
NAMCO ENTERTAINMENT LEGACY ARCADE GAME Pac-Man Edition with
WIFI/DIG DUG™ LEGACY WITH RISER ARCADE1UP /PAC-MAN LEGACY WITH
RISER ARCADE1UP/Ms.PAC-MAN™ LEGACY WITH RISER ARCADE1UP/ BANDAI
NAMCO ENTERTAINMENT LEGACY ARCADE Ms. PAC-MAN EDITION WITH WIFI**

**FCC MODEL NUMBER: PAC-A-200110, PAC-A-200114, DIG-A-213310 , PAC-A-
206211, MSP-A-202210, MSP-A-202214**

FCC ID: 2APXHPABALE

REPORT NUMBER: 4790284007-15

ISSUE DATE: June 6, 2022

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>
V0	6/6/2022	Initial Issue	



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1. ATTESTATION OF TEST RESULTS

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

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Address: Unit 05 and unit 06, 6th Floor, Greenfield Tower Concordia Plaza, 1 Science Museum Road, TST East, Hong Kong

EUT Information

FCC EUT Name: PAC-MANIA™ LEGACY WITH RISER ARCADE1UP / BANDAI NAMCO ENTERTAINMENT LEGACY ARCADE GAME Pac-Man Edition with WIFI/DIG DUG™ LEGACY WITH RISER ARCADE1UP / PAC-MAN LEGACY WITH RISER ARCADE1UP/Ms.PAC-MAN™ LEGACY WITH RISER ARCADE1UP/ BANDAI NAMCO ENTERTAINMENT LEGACY ARCADE Ms. PAC-MAN EDITION WITH WIFI

FCC Model: PAC-A-200110

FCC Series Model: PAC-A-200114, DIG-A-213310 · PAC-A-206211, MSP-A-202210, MSP-A-202214

FCC Model Difference: Please refer to clause 4 Description of EUT

Brand: ARCADE 1 UP

Sample Received Date: Feb. 10, 2022

Sample Status: Normal

Sample ID: 4662428

Date of Tested: Feb. 11 ~ June 6, 2022



APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	PASS

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Shawn Wen
Laboratory Leader

Stephen Guo

Stephen Guo
Laboratory Manager



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>
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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

FCC EUT Name	PAC-MANIA™ LEGACY WITH RISER ARCADE1UP / BANDAI NAMCO ENTERTAINMENT LEGACY ARCADE GAME Pac-Man Edition with WIFI/DIG DUG™ LEGACY WITH RISER ARCADE1UP /PAC-MAN LEGACY WITH RISER ARCADE1UP/Ms.PAC-MAN™ LEGACY WITH RISER ARCADE1UP/ BANDAI NAMCO ENTERTAINMENT LEGACY ARCADE Ms. PAC-MAN EDITION WITH WIFI
FCC Model:	PAC-A-200110
FCC Serial Model:	PAC-A-200114, DIG-A-213310 · PAC-A-206211, MSP-A-202210, MSP-A-202214
FCC Model Difference:	PAC-A-200114, DIG-A-213310 · PAC-A-206211, MSP-A-202210 have the same technical construction including circuit diagram, PCB Layout, components and component layout, only the color, product name and model name are different. We select “PAC-A-200110” as the representative model for compliance test. MSP-A-202214 has the same technical construction including circuit diagram, PCB Layout, components and component layout, only the outlook are different. We select “PAC-A-200110” as the representative model for compliance test.
Radio Technology	IEEE802.11b/g/n HT20
Operation frequency	IEEE 802.11b: 2412 MHz-2462 MHz IEEE 802.11g: 2412 MHz-2462 MHz IEEE 802.11n HT20: 2412 MHz-2462 MHz
Modulation	IEEE 802.11b: DSSS (CCK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK, BPSK)
Rated Input	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	Power density	Limit
	(dBm)	(dBi)	(mW/ cm ²)	
WIFI 2.4G	14	6.4	0.02181	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