



## **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

Rev.	Issue Date	Revisions	Revised By
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

Prepared By:

Checked By:

*Dean Hua**Shawn Wen*

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Dean Hua  
Engineer Project Associate  
Approved By:

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Shawn Wen  
Laboratory Leader

*Stephen Guo*

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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><b>A2LA (Certificate No.: 4102.01)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Designation No.: CN1187)</b> 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><b>ISED (Company No.: 21320)</b> 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><b>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)</b> 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. 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 <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (Minutes)
0.3 -- 1.34	614	1.63	(100)*	30
1.34 -- 30	824/f	2.19/f	(180/f <sup>2</sup> )*	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 <sup>2</sup> )	
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.

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**END OF REPORT**