



### FCC RF EXPOSURE REPORT

#### **CERTIFICATION TEST REPORT**

For

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

WF TASTEMAKERS TRADING LIMITED
Unit 05 and unit 06, 6th Floor, Greenfield Tower Concordia Plaza, 1 Science
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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<sup>™</sup> LEGACY WITH RISER ARCADE1UP /PAC-MAN LEGACY WITH RISER ARCADE1UP/Ms.PAC-MAN<sup>™</sup> 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,

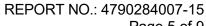
MSP-A-202214

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





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APPLICABLE STANDARDS			
STANDARD	TEST RESULTS		
FCC 47CFR§2.1091	PASS		
n	01 1 15		

Prepared By:

Checked By:

Dean Hua

Dean Hua **Engineer Project Associate** Approved By:

Shawn Wen Laboratory Leader

Shemy les

Stephen Guo Laboratory Manager



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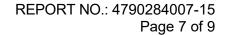
# 2. TEST METHODOLOGY

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

	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.			
	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			
	ISED (Company No.: 21320)			
Accreditation	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.			
Certificate	has been registered and fully described in a report filed with			
	Industry Canada. The Company Number is 21320.			
	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			

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

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FCC EUT Name	PAC-MANIA <sup>TM</sup> LEGACY WITH RISER ARCADE1UP / BANDAI NAMCO ENTERTAINMENT LEGACY ARCADE GAME Pac-Man Edition with WIFI/DIG DUG <sup>TM</sup> LEGACY WITH RISER ARCADE1UP /PAC-MAN LEGACY WITH RISER ARCADE1UP/Ms.PAC-MAN <sup>TM</sup> 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/cm²)	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 <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



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## **CALCULATED RESULTS**

WIFI 2.4G (Worst case)					
Operating	Max. Tune up Power	Max. Antenna Gain	Power density	Limit	
Mode	(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.

**END OF REPORT**