RF EXPOSURE REPORT

REPORT NO.: SA131126C13

MODEL NO.: OUYA1P

FCC ID: VUI-OUYA1P

RECEIVED: Nov. 26, 2013

TESTED: Dec. 10 ~ Dec. 20, 2013

ISSUED: Dec. 20, 2013

APPLICANT: PEGATRON CORPORATION

ADDRESS: 5F., NO. 76, LIGONG ST., BEITOU DISTRICT, TAIPEI CITY 112, TAIWAN (R.O.C.)

MANUFACTURER: PEGATRON CORPORATION

ADDRESS: No. 76, Ligong St., Bettou, Taipei 11261, Taiwan ROC

ISSUED BY: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

TABLE OF CONTENTS

RELEASE CONTROL RECORD 3
1. CERTIFICATION 4
2. RF EXPOSURE 5
2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE) 5
2.2 MPE CALCULATION FORMULA 5
2.3 CLASSIFICATION 5
2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER 6

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA131126C13	Original release	Dec. 20, 2013

1. CERTIFICATION

PRODUCT:	Game Console
MODEL:	OUYA1P
BRAND:	OUYA
APPLICANT:	PEGATRON CORPORATION
TEST SAMPLE:	ENGINEERING SAMPLE
STANDARDS:	**FCC Part 2 (Section 2.1091)**
	FCC OET Bulletin 65, Supplement C (01-01)
	IEEE C95.1

The above equipment (Model: OUYA1P) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch,** and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Celine Chou **, DATE :** Dec. 20, 2013

Celine Chou / Specialist

APPROVED BY : Ken Liu **, DATE :** Dec. 20, 2013

Ken Liu / Senior Manager

2. RF EXPOSURE

2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm^2)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

2.2 MPE CALCULATION FORMULA

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

2.3 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412-2462	22.33	2.87	20	0.066	1
5180-5240	13.32	4.49	20	0.012	1
5260-5320	13.26	4.49	20	0.012	1
5500-5700	13.20	4.49	20	0.012	1
5745-5825	20.59	4.49	20	0.064	1
2402-2480	8.64	2.87	20	0.003	1

CONCULSION:

Both of the WLAN 2.4G & WLAN 5G can transmit simultaneously, the formula of calculated the MPE is:

CPD1 / LPD1 + CPD2 / LPD2 + ……etc. < 1

CPD = Calculation power density

LPD = Limit of power density

2.4GHz + 5GHz = 0.066 + 0.064 = 0.130

Therefore, the maximum calculation of this situation is 0.130, which is less than the “1” limit.