RF EXPOSURE REPORT

Product:	Multifunction Printing Base
Model Name:	BP60A
FCC ID:	V5PBP60A
Applicant:	PAX Technology Limited
Address:	Room 2416, 24/F., Sun Hung Kai Centre, 30 Harbour Road, Wanchai, Hong Kong
Manufacturer:	PAX Computer Technology (Shenzhen) Co., Ltd.
Address:	4/F, No.3 Building, Software Park, Second Central Science-Tech Road, High-Tech industrial Park, Shenzhen, Guangdong, P.R.C.
Prepared by:	BV 7Layers Communications Technology (Shenzhen) Co. Ltd
Lab Location:	No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China
TEL:	+86 755 8869 6566
FAX:	+86 755 8869 6577
E-MAIL:	customerservice.dg@cn.bureauveritas.com
Report No.:	SA180611W005
Received Date:	Jun. 11, 2018
Test Date:	Jun. 12, 2018 ~ Jun. 25, 2018
Issued Date:	Jun. 27, 2018

This report should not be used by the client to claim product certification, approval, or endorsement by A2LA or any government agencies.

TABLE OF CONTENTS

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA180611W005	Original release	Jun. 27, 2018

BV 7Layers Communications Technology (Shenzhen) Co. Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.dg@cn.bureauveritas.com

1 CERTIFICATION

PRODUCT:	Multifunction Printing Base
BRAND NAME:	PAX
MODEL NAME:	BP60A
APPLICANT:	PAX Technology Limited
TESTED:	Jun. 12, 2018 ~ Jun. 25, 2018
TEST SAMPLE:	Identical Prototype
STANDARDS:	**FCC Part 2 (Section 2.1091)** **FCC OET Bulletin 65, Supplement C (01-01)** **KDB 447498 D01 General RF Exposure Guidance v06** IEEE C95.1

The above equipment has been tested by **BV 7Layers Communications Technology (Shenzhen) Co. Ltd** 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 : _____ , **DATE:** Jun. 27, 2018
(Roger Li/ Engineer)

APPROVED BY : _____ , **DATE:** Jun. 27, 2018
(Sam Tung / Manager)

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Multifunction Printing Base	
MODEL NAME	BP60A	
NOMINAL VOLTAGE	9.0Vdc (adapter or host equipment)	
OPERATING TEMPERATURE RANGE	0 ~ 50℃	
MODULATION TYPE	**BT_LE**	DTS
	Bluetooth	GFSK, π/4-DQPSK, 8DPSK
OPERATING FREQUENCY	**Bluetooth/BT_LE**	2402MHz ~ 2480MHz
ANTENNA GAIN	PCB Antenna with 1.5dBi gain	
HW VERSION	BP60A-xx-xxx	
SW VERSION	V0.0.0.1	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	N/A	

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT was powered by the following adapter:

ADAPTER	
BRAND:	HONOR
MODEL:	ADS-18SG-09-2 09009G
INPUT:	AC 100-240V, 600mA
OUTPUT:	DC 9V, 1000mA

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

3 RF EXPOSURE

3.1 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

3.2 MPE CALCULATION FORMULA

Pd = (Pout*G) / (4*pi*r2)

where

Pd = power density in mW/cm2

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

3.3 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**.

3.4 CONDUCTED POWER

Bluetooth

GFSK

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	4.86	N/A
39	2441	5.24	N/A
78	2480	5.44	N/A

π /4 DQPSK

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	4.11	N/A
39	2441	4.54	N/A
78	2480	4.62	N/A

8DPSK

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	3.96	N/A
39	2441	4.29	N/A
78	2480	4.79	N/A

BT-LE (GFSK)

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	4.91	N/A
19	2440	5.35	N/A
39	2480	**5.51**	N/A

3.5 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

TUNE-UP POWER TABLE

Band	Frequency (MHz)	Operating Mode	Tune-Up Power And Tolerance (dBm)
Bluetooth	2480	GFSK	5.5 ± 0.5

BT & WIFI 2.4G

Band	Frequency (MHz)	Operating Mode	Antenna Gain (dBi)	Tune-up Power (dBm)	E.I.R.P Power (mW)	Power Density (mW/cm^2)	limit (mW/cm^2)	PASS / FAIL
Bluetooth	2480	GFSK	1.5	6.0	0.316	0.000	1.00	PASS

--END--