

RF Exposure Report

Report No.: SA171130D03

FCC ID: 2A15H-PU1-1701

Test Model: PU1-1701

Received Date: Nov. 30, 2017

Test Date: Dec. 5 ~ 13, 2017

Issued Date: Dec. 15, 2017

Applicant: Pushd inc

Address: 50 Eldridge Street Suite 5D New York, NY 10002 US

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
(R.O.C.)



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Release Control Record

Issue No.	Description	Date Issued
SA171130D03	Original release.	Dec. 15, 2017

1 Certificate of Conformity

Product: AURA FRAME – Smart Digital Photo Frame

Brand: AURA

Test Model: PU1-1701

Sample Status: Engineering sample

Applicant: Pushd inc

Test Date: Dec. 5 ~ 13, 2017

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

The above equipment 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 :



Date: Dec. 15, 2017

Jessica Cheng / Senior Specialist

Approved by :



Date: Dec. 15, 2017

Rex Lai / Associate Technical 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/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

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

Function	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
WLAN	22.89	1.44	20	0.0539	1
Bluetooth LE	8.54	1.44	20	0.0020	1

Conclusion:

The formula of calculated the MPE is:

$CPD1 / LPD1 + CPD2 / LPD2 + \dots \text{etc.} < 1$

CPD = Calculation power density

LPD = Limit of power density

WLAN + Bluetooth LE = $0.0539 + 0.0020 = 0.0559$

Therefore the maximum calculations of above situations are less than the “1” limit.

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