RF EXPOSURE REPORT

Applicant	Flashbay Electronics
Address	Blgd b & C Xi Feng Cheng IND Zone,No.2 FuYuan Road He Ping, Village, FuYong Town ,ShenZhen

Manufacturer or Supplier	Flashbay Electronics
Address	Blgd b & C Xi Feng Cheng IND Zone,No.2 FuYuan Road He Ping, Village, FuYong Town ,ShenZhen
Product	Bluetooth speaker
Brand Name	N/A
Model	Cube
Additional Model & Model Difference	N/A
Date of tests	Mar. 29, 2017 ~ May 16, 2017

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Breeze Jiang Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
	 Date: May 18, 2017

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS170320N019	Original release	May 18, 2017

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1. CERTIFICATION

FCC ID:	2ALRV-CU1701
PRODUCT:	Bluetooth speaker
BRAND NAME:	N/A
MODEL NO.:	Cube
ADDITIONAL NO.:	N/A
APPLICANT:	Flashbay Electronics
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

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2. RF EXPOSURE LIMIT

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. 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

4. 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**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	0	Integral PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
2402-2480	-10	+-3	-13	-7

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2402	-8.89
8DPSK	2402	-12.92

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	-7	0	20	0.001	1.0

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