RF EXPOSURE REPORT

Applicant	ARTS DIGITAL TECHNOLOGY (HK) LTD
Address	1704, 17/F, Fo Tan Industrial Centre, 26-28 Au Pui Wan St., Fo Tan, Hong Kong

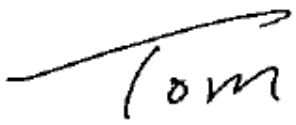
Manufacturer or Supplier	ARTS DIGITAL TECHNOLOGY (HK) LTD
Address	1704, 17/F, Fo Tan Industrial Centre, 26-28 Au Pui Wan St., Fo Tan, Hong Kong
Product	Bluetooth Karaoke with Speakers & Light Effects
Brand Name	ADT , AKAI
Model	KS303-BT
Additional Model & Model Difference	KS300, KS301-BT, KS30X-BT, KS30X, etc., see items 3.1
Date of tests	Jul. 12, 2016 ~ Aug. 24, 2016

☒ **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 Tom Chen Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
	 Date: Aug. 24, 2016

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS160712N012	Original release	Aug. 24, 2016

1. CERTIFICATION

FCC ID:	OWT-KS303BT
PRODUCT:	Bluetooth Karaoke with Speakers & Light Effects
BRAND NAME:	ADT, AKAI
MODEL NO.:	KS303-BT
ADDITIONAL NO.:	KS300, KS301-BT, KS30X-BT, KS30X
TEST SAMPLE:	Engineering Sample
APPLICANT:	ARTS DIGITAL TECHNOLOGY (HK) LTD
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

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

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	1.026	0	20	0.000204	1.0

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