RF EXPOSURE REPORT

Applicant	The Singing Machine Company, Inc.
Address	6301 NW 5th Way, Suite 2900, Fort Lauderdale, FL 33309, USA

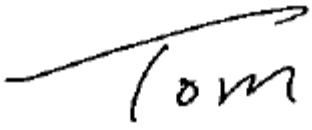
Manufacturer or Supplier	SHENZHEN JUNLAN ELECTRONIC LTD
Address	No.277 PingKui Road, Shijing Community, Pingshan Street, Pingshan New District, Shenzhen, China
Product	PORTABLE SOUND CHANGER KARAOKE PLAYER WITH BLUETOOTH
Brand Name	Singing Machine
Model	SMK1010
Additional Model & Model Difference	Kids Pedestal, SMK1011, SMK1011XX, SMK1010XX (XX means unit color, it can be A to Z or N/A)
Date of tests	Jan. 25, 2018 ~ Jun. 20, 2018

☒ **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: Jul. 06, 2018

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM180125N023	Original release	Jul. 06, 2018

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1. CERTIFICATION

FCC ID:	2AAXO-SMK1010
PRODUCT:	PORTABLE SOUND CHANGER KARAOKE PLAYER WITH BLUETOOTH
BRAND NAME:	Singing Machine
MODEL NO.:	SMK1010
ADDITIONAL NO.:	Kids Pedestal, SMK1011, SMK1011XX, SMK1010XX (XX means unit color, it can be A to Z or N/A)
APPLICANT:	The Singing Machine Company, Inc.
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 AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	-18	+-2	-20	-16
8DPSK	2402-2480	-18	+-2	-20	-16

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2480	-17.54
8DPSK	2480	-17.63

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	-16	0	20	0.000005	1.0

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