



■ Report No.: DDT-R19040407-2E3

■ Issued Date: May 20, 2019

# RF EXPOSURE REPORT

## FOR

<b>Applicant</b>	:	GXTSONIC TECHNOLOGY (HK) LIMITED
<b>Address</b>	:	FLAT/RM812, 8/F, HARRY INDUSTRIAL BUILDING 49-51 AU PUI WAN STREET FOTAN, NT, HONGKONG
<b>Equipment under Test</b>	:	Portable Karaoke Microphone and Speaker
<b>Model No.</b>	:	MMA3755, CMA3755, CS-M008, CS-M010
<b>Trade Mark</b>	:	GRAIG, MAGNAVOX
<b>FCC ID</b>	:	2AIN9-MMA-3755
<b>Manufacturer</b>	:	SHENZHEN GXTSONIC TECHNOLOGY CO., LTD
<b>Address</b>	:	1F, Building3, TianxinShuichanIndustrialPark, GushuVillage, XixiangTown, Bao'anDistrict, Shenzhen, CHINA

**Issued By: Dongguan Dongdian Testing Service Co., Ltd.**

**Add:** No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan  
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# REPORT

## TABLE OF CONTENTS

Test report declares.....	3
1. General information.....	5
1.1. Description of Equipment.....	5
1.2. Assess laboratory.....	5
2. RF Exposure evaluation for FCC .....	5

## TEST REPORT DECLARE

<b>Applicant</b>	:	GXTSONIC TECHNOLOGY (HK) LIMITED
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<b>Address</b>	:	1F, Building3, TianxinShuichanIndustrialPark, GushuVillage, XixiangTown, Bao'anDistrict, Shenzhen, CHINA

**Standard Used:** KDB447498 D01 General RF Exposure Guidance v06

**We Declare:**

The equipment described above is assessed by Dongguan Dongdian Testing Service Co., Ltd and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and Dongguan Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these assess.

**After evaluation, our opinion is that the equipment In Accordance with above standard.**

<b>Report No:</b>	DDT-R19051303-1E2		
<b>Date of Receipt:</b>	May 13, 2019	<b>Date of Test:</b>	May 13, 2019 ~ May 20, 2019

**Prepared By:**

  
Ella Gong  
Ella Gong/Engineer

**Approved By:**

  
Damon Hu  
Damon Hu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

## Revision history

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	May 20, 2019	

## 1. General information

### 1.1. Description of Equipment

EUT* Name	:	Portable Karaoke Microphone and Speaker
Model Number	:	MMA3755, CMA3755, CS-M008, CS-M010
Difference of model number	:	Only the appearance is different, everything else is exactly the same, therefore the test performed on the model MMA3755.
EUT function description	:	Please reference user manual of this device
Power supply	:	DC 5V from external AC Adapter DC 3.7V Polymer Li-ion built-in battery
Radio Specification	:	Bluetooth V4.2
Operation frequency	:	2402MHz-2480MHz
Modulation	:	GFSK, $\pi/4$ -DQPSK
Data rate	:	1 Mbps, 2 Mbps
Antenna Type	:	Integral PCB antenna, maximum PK gain: 3.3 dBi
Sample Type	:	Series production

### 1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd.

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China, 523808

Tel: +86-0769-38826678, <http://www.dgddt.com>, Email: [ddt@dgddt.com](mailto:ddt@dgddt.com)

## 2. RF Exposure evaluation for FCC

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where:

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

Worse case is as below: [2402 MHz, 1.99 dBm 1.58 mW] output power]

$(1.58 / 5) \cdot [\sqrt{2.402(\text{GHz})}] = 0.49 < 3.0$  for 1-g SAR

Then SAR evaluation is not required

**END OF REPORT**