RF EXPOSURE REPORT

Applicant	Musical Electronics Limited
Address	Flat H, J, K, 12/F., World Tech Centre,95 How Ming Street, Kwun Tong, Kowloon, Hong Kong

Manufacturer or Supplier	MUSICAL ELECTRONICS (QING YUAN) LIMITED
Address	TAI HE INDUSTRIAL PARK, QING XIN COUNTRY, QING YUAN, GUANG DONG, CHINA
Product	Bluetooth Speaker with Clock
Brand Name	Capello
Model	Ci320
Additional Model & Model Difference	N/A
Date of tests	Feb. 07, 2017 ~ Feb. 27, 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 Tom Chen Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	Date: Mar. 09, 2017

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS170207N013	Original release	Mar. 09, 2017

1. CERTIFICATION

FCC ID:	AUICI320
PRODUCT:	Bluetooth Speaker with Clock
BRAND NAME:	Capello
MODEL NO.:	Ci320
ADDITIONAL NO.:	N/A
APPLICANT:	Musical Electronics Limited
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	-8	+-2	-10	-6

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2402	-7.01
8DPSK	2402	-9.32

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	-6	0	20	0.000050	1.0

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