



BUREAU  
VERITAS

Test Report No.: FS130815N020



## RF EXPOSURE REPORT

Applicant	Brookstone, Inc
Address	One Innovation Way, Merrimack, NH 03054 United States

Manufacturer or Supplier	Guangzhou Panyu Fantasia Creation Toys Co., Ltd
Address:	Block 3, Biaozhun Industrial Zone, Tai Shi Industrial Park, Dongyong, Panyu Guangzhou Guangdong China
Product	Baby to sleep
Brand Name	Brookstone
Model	849264
Additional Model & Model Difference	N/A
Date of tests	Aug. 15 ~ Sep. 09, 2013

- ☒ FCC Part 2 (Section 2.1091)  
☒ FCC OET Bulletin 65, Supplement C (01-01)  
☒ IEEE C95.1

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

Tested by Glyn He Supervisor / EMC Department	Approved by Sam Tung Manager / EMC Department
	  Date: Sep. 09, 2013

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## **Table of Contents**

RELEASE CONTROL RECORD .....	3
1. CERTIFICATION.....	4
2. RF EXPOSURE LIMIT .....	5
3. MPE CALCULATION FORMULA.....	5
4. CLASSIFICATION .....	5
5. ANTENNA GAIN .....	5
6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER.....	6



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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS130815N020	Original release	Sep. 09, 2013



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**Test Report No.: FS130815N020**

## **1. CERTIFICATION**

**PRODUCT:** Baby to sleep

**BRAND NAME:** Brookstone

**MODEL NO.:** 849264

**TEST SAMPLE:** Normal Sample

**APPLICANT:** Brookstone, Inc

**TESTED DATE:** Sep. 09, 2013

**STANDARDS:** FCC Part 2 (Section 2.1091)  
FCC OET Bulletin 65, Supplement C (01-01)  
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 <sup>2</sup> )	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

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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	2.0	wire



## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (dBm)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2412-2462	16.37	43.35	2.0	20	0.014	1.00

### Conclusion

Therefore device complies with FCC's RF radiation exposure limits for general population in mobile exposure category (distance > 20cm)

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