



**BUREAU  
VERITAS**

Test Report No.: FS130815N019



# 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	Rover Revolution
Brand Name	Brookstone
Model	851135
Additional Model & Model Difference	N/A
Date of tests	Aug. 15 ~ Sep. 18, 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 Venless long Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
	  Date: Sep. 18, 2013

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS130815N019	Original release	Sep. 18, 2013

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## 1. CERTIFICATION

**PRODUCT:** Rover Revolution  
**BRAND NAME:** Brookstone  
**MODEL NO.:** 851135  
**TEST SAMPLE:** Engineering Sample  
**APPLICANT:** Brookstone, Inc  
**TESTED DATE:** Sep. 18, 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)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
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<sup>2</sup>

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	2.0	Dipole antenna



## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2412-2462	127.06	2.0	20	0.04	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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