# Shenzhen Toby Technology Co., Ltd.

Report No.: TB-MPE146824

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# RF Exposure Evaluation FCC ID: 2AHHF-JL651S

### 1. Client Information

**Applicant**: Shenzhen JILU Smart Technology CO.,LTD.

Address: 10th Floor, Building 3, Hanhaida Industrial Park, Gongming Town,

Guangming New District, Shenzhen, China

Manufacturer : Shenzhen JILU Smart Technology CO.,LTD.

**Address**: 10th Floor, Building 3, Hanhaida Industrial Park, Gongming Town,

Guangming New District, Shenzhen, China

2. General Description of EUT

EUT Name	1	Electric scooter				
Models No.		JL651S, JL451S, JL801S, JL1001S, JL1001E, JL651E, JL452S, JL652S, JL802S, JL1002S, JL1002E, JL652E				
Model difference	Š	All these models are identical in the same PCB, layout and electrical circuit, the only difference is model name for commercial.				
Product Description	111	Operation Frequency: Bluetooth 3.0:2402~2480MHz				
		Number of Channel:	Bluetooth:79 Channels			
		Max Peak Output Power:	Bluetooth: 3.32 dBm( π /4-DQPSK)			
		Antenna Gain:	1.2 dBi PCB Antenna			
		Modulation Type:	GFSK 1Mbps(1 Mbps) π /4-DQPSK(2 Mbps)			
Power Supply		DC Voltage supplied from Switching Power Supply. DC power by Li-ion Battery.				
Power Rating	3	Switching Power Supply: Input: AC 100~240V, 50/60Hz 2.5A. Output: DC 42V, 2A. DC 36V 4400mAh Li-ion Battery.				
Connecting I/O Port(S)	:\	Please refer to the User's Manual				

#### Note:

More test information about the EUT please refer the RF Test Report.

TB-RF-074-1. 0

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#### **SAR Test Exclusion Calculations**

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v05r02.

- (1) Clause 4.3: General SAR test reduction and exclusion guidance Sub clause 4.31: Standalone SAR test exclusion considerations
  - 1)The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance≤5 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]\*[  $\sqrt{f_{(GHz)}}$  ]  $\leq$ 3.0 for 1-g SAR

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]\*[  $\sqrt{f_{(GHz)}}$  ]  $\leq$ 7.5.0 for 10-g SAR



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# 2.

# Calculation:

		Bluetooth Mode	e (GFSK)		
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	2.33	±0.5	1.919	0.595	3.0
2.441	2.41	±0.5	1.954	0.611	3.0
2.480	2.34	±0.5	1.923	0.606	3.0
		Bluetooth Mode (	τ/4-DQPSK)	MILE -	
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	3.18	±0.5	2.333	0.723	3.0
2.441	3.32	±0.5	2.410	0.753	3.0
2.480	3.26	±0.5	2.377	0.749	3.0

So standalone SAR measurements are not required.