Shenzhen Toby Technology Co., Ltd.

Report No.: TB-MPE140552

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RF Exposure Evaluation FCC ID: 2ACI2HMX01

1. Client Information

Applicant: SHENZHEN HILLMISSION TECHNOLOGY CO.,LTD

Address : Room No.1509, Jinluan Times Building, Heping East Road,

Longhua District, Shenzhen City, Guangdong Province, China

Manufacturer: SHENZHEN HILLMISSION TECHNOLOGY CO.,LTD

Address: Room No.1509, Jinluan Times Building, Heping East Road,

Longhua District, Shenzhen City, Guangdong Province, China

2. General Description of EUT

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EUT Name	:	Plus						
Models No.	:	H1001, H1001-01, H1001-02, H1001-03, H1001-04, H1001-05, H1001-06						
Model Difference	:	All models are identical in the same PCB layout, interior structure and electrical circuits. The only difference is appearance color of the product.						
Product Description		Operation Frequency: 2402MHz~2480MHz						
		Number of Channel:	Bluetooth 4.0 (BLE): 40 channels see note(3)					
		RF Output Power:	-0.988 dBm Conducted Power					
		Antenna Gain:	0.5 dBi (Chip Antenna)					
		Modulation Type:	GFSK					
		Bit Rate of Transmitter:	1Mbps(GFSK)					
Power Supply	:	DC power charging by USB charger DC Voltage supplied from Li-Polymer battery.						
Power Rating	:	DC 5V by USB charger DC 3.7V 60mAh from 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.

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MPE 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≤50 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 BLE (GFSK)										
Frequency (GHz)	Conducted Power (dBm)	Ant Gain (dBi)	TX Power (mW)	Distance (mm)	Calculation Value	Threshold Value				
2.402	-1.026	0.5	0.886	5	0.275	3.0				
2.442	-0.988	0.5	0.894	5	0.277	3.0				
2.480	-1.502	0.5	0.794	5	0.246	3.0				

So standalone SAR measurements are not required.