Shenzhen Toby Technology Co., Ltd.

Report No.: TB-MPE144564

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RF Exposure Evaluation FCC ID: 2AE8S-SH06

1. Client Information

: TRASENSE INTERNATIONAL CORPORATION LIMITED **Applicant**

FLAT/RM B07 23/F HOVER INDUSTRIAL BUILDING NO.26-38 **Address**

KWAI CHEONG ROAD HK

: TRASENSE INTERNATIONAL CORPORATION LIMITED **Manufacturer**

Address FLAT/RM B07 23/F HOVER INDUSTRIAL BUILDING NO.26-38

KWAI CHEONG ROAD HK

2. General Description of EUT

EUT Name		TRASENSE Smart Bracelet				
Models No.	6	SH06, SH01, SH02, SH03, SH04, SH05, SH07, SH08, SH09, SH10				
Model Difference	:\	All these models are identical in the same PCB, layout and electrical circuit, the only difference is model name for commercial.				
Product Description		Operation Frequency: 2402~2480MHz				
		Number of Channel:	Bluetooth 4.0 (BLE): 40 channels			
		Max Peak Output Power:	-1.17dBm Conducted Power			
		Antenna Gain:	0 dBi PCB Antenna			
		Modulation Type:	GFSK			
Power Supply):))	DC Voltage supplied from Host System by USB cable DC power by Li-ion Battery				
Power Rating	: 6	DC 5.0V by USB cable. DC 3.7V 45mAh 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

2. Calculation:

BLE(GFSK)							
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value		
2.402	-1.18	±0.5	0.855	0.265	3.0		
2.442	-1.17	±0.5	0.857	0.268	3.0		
2.480	-1.32	±0.5	0.828	0.261	3.0		

So standalone SAR measurements are not required.