Shenzhen Toby Technology Co., Ltd.

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RF Exposure Evaluation FCC ID: 2ARUI-ITS20

1. Client Information

Applicant	1	American Exchange Time LLC			
Address	dress : No.1441 Broadway 27th Floor, New York, NY 10018				
Manufacturer	: American Exchange Time LLC				
Address : No.1441 Broadway 27th Floor, New York, NY 10018		No.1441 Broadway 27th Floor, New York, NY 10018			

2. General Description of EUT

EUT Name		Smart Watch					
Model(s) No.		8077, 7543, 7544, 7547, 7548, 7550, 7554, 7555, 7594, ,7595, 7597, 8075, 8076, 8078					
Model Different	:	All these models are the same PCB, layout and electrical circuit, the only difference is Color of the bands.					
MODE		Operation Frequency:	Bluetooth 4.0(BLE): 2402MHz~2480MHz				
		Number of Channel:	Bluetooth 4.0(BLE): 40 channels				
Product		RF Output Power:	1.706 dBm (Max)				
Description	ė	Antenna Gain:	0 dBi Internal Antenna				
		Modulation Type:	GFSK				
	C	Bit Rate of Transmitter:	1Mbps				
Power Rating		USB Input:DC 5V DC 3.7V 40mAh by Li-ion battery					
Software Version	ŀ	V1.9.1					
Hardware Version	:	V03					
Connecting I/O Port(S)	•	Please refer to the User's Manual					

Remark: The antenna gain provided by the applicant, the adapter and verified for the RF conduction test and adapter provided by TOBY test lab.

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

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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 v06.

(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:

Test separation: 5mm BLE Mode (1Mbps)										
2.402	1.706	1±1	2	1.585	0.491	3.0				
2.442	1.539	1±1	2	1.585	0.495	3.0				
2.480	1.316	1±1	2	1.585	0.499	3.0				

Conclusion:

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

----END OF REPORT----