

Report No.: TB-MPE178587

Page: 1 of 3

## RF Exposure Evaluation FCC ID: 2ATK6-W1S

## 1. Client Information

Applicant		SHENZHEN LOOKCARE INDUSTRY CO., LTD			
Address		5F, Bldg H, No.8 East Area, Shangxue Science and Technology Industry, Bantian St, Longgang Dist, Shenzhen, China			
Manufacturer	lanufacturer : SHENZHEN LOOKCARE INDUSTRY CO., LTD				
Address		5F, Bldg H, No.8 East Area, Shangxue Science and Technology Industry, Bantian St, Longgang Dist, Shenzhen, China			

2. General Description of EUT

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<b>EUT Name</b>		TWS					
Models No.		W1S, W1, W2, W2S, W3, W3S, W5, W5S, W6, W6S, W7, W7S, W8, W8S, W9, W9S, W1 Pro					
Model Difference	:	The same product motherboard, different knowledge appearance and model.					
Product Description	:	Operation Frequency:	Bluetooth 5.1(BT): 2402~2480 MHz				
		Max. Power:	Bluetooth: -0.164 dBm(Max)				
		Antenna Gain:	-0.58dBi Ceramic Antenna				
	1	Modulation Type:	GFSK				
Power Supply (Earphone)	÷	USB Input: 5V DC 3.7V by 30mAh Li-ion battery					
Power Supply (Charger Box)		USB Input: 5V DC 3.7V by 300mAh Li-ion battery					
Software Version		N/A					
Hardware Version	1	W1-6973D-V13					
Connecting I/OPort(S)	:	Please refer to the User's Manual					
Remark	F:	The antenna gain provided by the applicant, the verified for the RF conduction test provided by TOBY test lab.					

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

TB-RF-074-1. 0

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Report No.: TB-MPE178587

Page: 2 of 3

## **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



Report No.: TB-MPE178587

Page: 3 of 3

## 2. Calculation:

Test separation: 5mm											
Bluetooth Mode (GFSK)											
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value					
2.402	-0.860	0±1	1	1.259	0.390	3.0					
2.441	-0.164	0±1	1	1.259	0.393	3.0					
2.480	-0.234	0±1	1	1.259	0.397	3.0					

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.

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