RF Exposure Evaluation
FCC ID: 2ATK6-KCWGP2174001

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	:	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

EUT Name	:	Wellness Watch	
Model(s) No.	:	KCWGP2174001(B09MMPLC2G), KCWGD2174062(B09MMPLC2G), KCWGD2174061(B09MMPLC2G)	
Model Different	:	All these models are identical in the same PCB, layout and electrical circuit, the only difference is the model name.	
Product Description	:	Operation Frequency:	Bluetooth LE5.0: 2402MHz~2480MHz
		Number of Channel:	40 channels
		Antenna Gain:	0 dBi Wire Antenna
		Modulation Type:	GFSK
		Bit Rate of Transmitter:	Bluetooth LE:1/2Mbps
Power Supply	:	Input: DC 5V DC 3.7V by 200mAh Rechargeable Li-ion battery	
Software Version	:	V003090	
Hardware Version	:	RH189A-V01 20200405	
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)]*[$\sqrt{f_{(GHz)}}$] ≤3.0 for 1-g SAR
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤7.5.0 for 10-g SAR

2. Calculation:

Bluetooth LE Mode(1Mbps)						
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	-3.71	-3±1	-2	0.631	0.196	**3.0**
2.442	-3.48	-3±1	-2	0.631	0.197	**3.0**
2.480	-2.96	-2±1	-1	0.794	0.250	**3.0**
Bluetooth LE Mode(2Mbps)						
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	-3.65	-3±1	-2	0.631	0.196	**3.0**
2.442	-3.47	-3±1	-2	0.631	0.197	**3.0**
2.480	-2.9	-2±1	-1	0.794	0.250	**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.

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