

RF Exposure Evaluation

FCC ID: 2ALTC-V06

1. Client Information

Applicant : SHENZHEN WO-SMART TECHNOLOGIES CO., LTD
Address : 2C, AB Block, Tianji Building, Tian'an Cyber Park, Chegongmiao, Futian District, Shenzhen, China
Manufacturer : SHENZHEN WO-SMART TECHNOLOGIES CO., LTD
Address : 2C, AB Block, Tianji Building, Tian'an Cyber Park, Chegongmiao, Futian District, Shenzhen, China

2. General Description of EUT

EUT Name	: Sport BP Watch	
Models No.	: V06, V06 pro	
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:	Bluetooth 4.0(BLE): 2402MHz~2480MHz
	Number of Channel:	Bluetooth 4.0(BLE): 40 channels
	RF Output Power:	-9.51 dBm Conducted Power
	Antenna Gain:	0.5 dBi FPC Antenna
	Modulation Type:	GFSK
	Bit Rate of Transmitter:	1Mbps(GFSK)
Power Supply	: DC Voltage Supplied by the Host System. DC Supply by the Battery.	
Power Rating	: DC 5.0 V by Host System. DC 3.7 V by 110mAh Li-Lion Battery.	
Connecting I/O Port(S)	: Please refer to the User's Manual	

Note:

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

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:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR}$$
$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 7.5.0 \text{ for 10-g SAR}$$

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	-9.51	-9±1	-8	0.158	0.049	3.0
2.441	-10.72	-10±1	-9	0.126	0.039	3.0
2.480	-13.08	-13±1	-12	0.063	0.020	3.0

So standalone SAR measurements are not required.

-----END OF REPORT-----