

# 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

<b>EUT Name</b>	:	Sport BP Watch
<b>Models No.</b>	:	V06, V06 pro
<b>Model Difference</b>	:	All these models are identical in the same PCB layout and electrical circuit, the only difference is model name for commercial.
<b>Product Description</b>	:	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)
<b>Power Supply</b>	:	DC Voltage Supplied by the Host System. DC Supply by the Battery.
<b>Power Rating</b>	:	DC 5.0 V by Host System. DC 3.7 V by 110mAh Li-Lion Battery.
<b>Connecting I/O Port(S)</b>	:	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  $\leq 5$  mm are determined by:

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

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

**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-----**