

RF Exposure Evaluation

FCC ID: 2ANIE-V15

1. Client Information

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

2. General Description of EUT

EUT Name	:	V15 Health watch	
Models No.	:	V15/V15S/V15C/V15Pro/V15Plus	
Model Different	:	All these models are identical in the same PCB layout and electrical circuit, the only difference is appearance color.	
Product Description	:	Operation Frequency:	Bluetooth V4.0: 2402MHz~2480MHz
	:	RF Output Power:	BLE:0.287 dBm (Max)
	:	Antenna Gain:	2.71dBi Wafer type monopole Antenna
Power Supply	:	DC Voltage Supply from USB Interface. DC Supply by the Li-ion Battery.	
Power Rating	:	DC 3.8V 130mAh by Li-ion Battery. Input: DC 5V 1A by USB Interface.	
Software Version	:	v4.1	
Hardware Version	:	W48-V1.0	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note: More test information about the EUT please refer 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:

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

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

2. Calculation:

Test separation: 5mm						
BLE 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	0.287	0 ± 1	1	1.26	0.393	3.0
2.442	0.179	0 ± 1	1	1.26	0.393	3.0
2.480	-0.085	0 ± 1	1	1.26	0.393	3.0

So standalone SAR measurements are not required.

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