

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:

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

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

2. Calculation:

| Test separation: 5mm | | | | | | |
|----------------------|-----------------------|------------------------------|--------------------------------------|-------------------------------------|-------------------|-----------------|
| 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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