

RF Exposure Evaluation Report

Report No.: 2405V58287EF

Applicant: Whoop International Trading Limited

Address: Flat-B 8/F Chong Gming Building 72 Cheung Sha Wan Road, Kowloon Hong Kong China

Product Name: 4G smart watch

Product Model: FLEX

Multiple Models: N/A

Trade Mark: SUNTAK

FCC ID: 2AP7LWT003

Standards: 47 CFR §1.1310

KDB 447498 D01 General RF Exposure Guidance v06

Test Date: 2024-08-12

Test Result: Complied

Report Date: 2024-08-20

Reviewed by:

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Approved by:

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Revision History

Version No.	Issued Date	Description
00	2024-08-20	<i>Original</i>

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1 General Information

1.1 Client Information

Applicant:	Whoop International Trading Limited
Address:	Flat-B 8/F Chong Gming Building 72 Cheung Sha Wan Road, Kowloon Hong Kong China
Manufacturer:	Shenzhen Teleone Technology Co., Ltd
Address:	Tower B 5/F, Shanshui Building, Nanshan Yungu Innovation Industry Park, 4093 Liuxian Avenue, Shenzhen, China

1.2 Product Description of EUT

The EUT is 4G smart watch that contains Classic Bluetooth, BLE, 2.4G WLAN, GSM/GPRS and LTE radios.

Sample Serial Number	2OQH-1, 2OQH-2 (assigned by WATC)
Sample Received Date	2024-07-19
Sample Status	Good Condition
Frequency Range	BT: 2402MHz - 2480MHz 2.4G WLAN : 2412MHz - 2462MHz BLE: 2402MHz - 2480MHz GSM850: 824-849 MHz(TX); 869-894 MHz (RX) PCS1900: 1850-1910 MHz(TX); 1930-1990 MHz (RX) LTE Band 2: 1850-1910 MHz(TX); 1930-1990 MHz (RX) LTE Band 4: 1710-1755 MHz(TX); 2110-2155 MHz (RX) LTE Band 5: 824-849 MHz(TX); 869-894 MHz (RX) LTE Band 12: 699-716 MHz(TX); 729-746 MHz (RX) LTE Band 66: 1710-1780 MHz(TX); 2100-2180 MHz (RX)
Maximum Conducted Output Power	BT: 7.93dBm; 2.4G WLAN: 13.66dBm; BLE: -0.07dBm GSM850: 28.35dBm; PCS1900: 29.66dBm; LTE Band 2: 22.85dBm; LTE Band 4: 22.71dBm; LTE Band 5: 20.14dBm; LTE Band 12: 20.14dBm; LTE Band 66: 22.83dBm;
Modulation Technology	GFSK, π/4-DQPSK, 8DPSK, DSSS, OFDM, GMSK, QPSK, 16QAM
Antenna Gain [#]	BT/BLE/2.4G WLAN: -4.52dBi GSM850/ LTE Band 5: -8.83dBi PCS1900/ LTE Band 2:: -1.74dBi LTE Band 4/ LTE Band 66: -2.00dBi LTE Band 12: -6.55dBi
Power Supply	DC 5V from adapter or DC 3.85V from battery
Adapter Information	N/A
Modification	Sample No Modification by the test lab

1.3 Laboratory Location

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Tel: +86-755-29691511, Email: qa@wutc.com.cn

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 463912, the FCC Designation No. : CN5040.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.

2 RF Exposure Evaluation

2.1 Standard

According to §1.1310, radio frequency devices shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

2.2 Result

Consider wrist-worn mode:

Radio	Frequency (MHz)	Maximum Conducted Power including Tune-up Tolerance		Min. test separation distance (mm)	Result (10-g extremity SAR)	Exclusion Limit (10-g extremity SAR)	Verdict
		(dBm)	(mW)				
BT	2402-2480	8.5	7.08	5	2.2	7.5	Pass
BLE	2402-2480	0.2	1.05	5	0.3	7.5	Pass
2.4G WLAN	2412-2462	10.6	11.48	5	3.6	7.5	Pass

Note: The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.

Consider held next to mouth:

Radio	Frequency (MHz)	Maximum Conducted Power including Tune-up Tolerance		Min. test separation distance (mm)	Result (1-g SAR)	Exclusion Limit (1-g SAR)	Verdict
		(dBm)	(mW)				
BT	2402-2480	8.5	7.08	10	1.1	3.0	Pass
BLE	2402-2480	0.2	1.05	10	0.2	3.0	Pass
2.4G WLAN	2412-2462	10.6	11.48	10	1.8	3.0	Pass

Note: The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.

Result: Complied, for BT/BLE/2.4G WLAN No need standalone SAR test.

For GSM 850/1900 and LTE Band 2/4/5/12/66 please refer to the SAR test report: 2401V58287E-SA

3 E.U.T Photo

Please refer to the attachment 2405V58287E External photo and 2405V58287E Internal photo.

---End of Report---