

# **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
lest Date:	2024-08-12
Test Result:	Complied
Report Date:	2024-08-20

**Reviewed by:** 

Abel chen

Approved by:

Jacob Gong

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#### Prepared by:

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### **Revision History**

Version No. Issued Date		Description	
00	2024-08-20	Original	



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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	BT: 7.93dBm; 2.4G WLAN: 13.66dBm; BLE: -0.07dBm
Output Power	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 <sup>#</sup>	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

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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  $\leq$  50 mm are determined by:

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

- f(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  $\leq 50$  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	Result (10-g extremity	Exclusion Limit (10-g extremity	Verdict
		(dBm)	(mW)	(mm)	SAR)	SAR)	
ВТ	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	Result (1-g SAR)	Exclusion Limit	Verdict
		(dBm)	(mW)	(mm)		, ,	
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---