World Standardization Certification & Testing Group (Shenzhen) Co.,ltd.





FCC RF Exposure Report

For

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ORAIMO TECHNOLOGY LIMITED

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT

HONGKONG

Model: OSW-807

Test Engineer: Xu Yihan Xuthan

Report Number: WSCT-ANAB-R&E250100003A -SAR

17 January 2025 Report Date:

FCC ID: 72AXYP-OSW-807 15 CT

> Check By: Zhou Yan Zhou lan

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Li Huaibi Approved By:

World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.

Prepared By: Building A-B, Baoli'an Industrial Park, No. 58 and

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深圳世标检测认证股份有限公司 World Standardization Certification & Testing Group (Shenzhen) Co., Ltd

Page 1 of 7



Report No.: WSCT-ANAB-R&E250100003A -SAR SAR Evaluation Report



	WSET	WSET	WSET	WSET	WSET
\times	\sim	Table	of contents	×	\times
1					
WATE	1 Notes	W5C	1074	194	W5197
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2	Testing laboratory	W234	WSEE	WEIGHT.	5
3	ACCREDITATIONS		<u> </u>		5
4		acturer	\		
W5.45	Test standard/s:	14.5.5	177		5
6	X	<u></u>	X	X	X
7					7
	WSCT	WSET	WETTE	WSET	WSIA
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	Baoli'an industrial Park, No. 58 and 60, Tangt 6192 26996053 26996144 FAX: 0086	ou Avenue, Shiyan Street, Bao'an District, Si -755-86376605 E-mail: fengbing.wang		海州上邻西湖水和北 安 万村和	
Member of the WSCT	Group (WSCTSA)	P	age 2 of 7		

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SAR Evaluation Report



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Modified History

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X	REV.	Modification Description	Issued Date	Remark	
5/	REV.1.0	Initial Test Report Relesse	17 January 2025	Li Huaibi	
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1 General information

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1.1 Notes

The test results of this test report relate exclusively to the test item specified in this test report. Shenzhen

Timeway Testing Laboratories does not assume responsibility for any conclusions and generalisations

drawn from the test results with regard to other specimens or samples of the type of the equipment
represented by the test item. The test report is not to be reproduced or published in full without the prior
written permission.

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DD: Bullding A-B,Baoli'an Industrial Park, No.58 and 60, Tangtou Avenue. Shiyan Street, Bao'an District, Shenzhen City. Gt EL: 0086-755-26996192. 26996053. 26996144 FAX: 0086-755-86376605 E-mail: fengbing.wang@wsct-cert.com

Page 3 of 7

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SAR Evaluation Report



1.2 EUT Information

	/ UF1911 / UF1911	VIELE VIELE VIELE	
1	Device Information:		
	Product Type:	Smart watch	
3()	Model:	OSW-807	
	Trade Name:	oraimo	X
	Device Type:	Portable device	SET
/	Exposure Category:	uncontrolled environment / general population	
\	Production Unit or Identical Prototype:	Production Unit	
ny .	Antenna Type :	Single-stage antenna	-
	Device Operating Configurations:		X
	Modulation:	GFSK, π/4-DQPSK, 8-DPSK	SET
/	Modulation Technology:	FHSS	
	Channel Separation:	BT:1MHz BLE: 2MHz	
C)	Operation Frequency:	2402MHz~2480MHz	-
	Antenna Gain:	-5.17dBi	X
	Power Source:	Li-ion Polymer Battery: 552123 Nominal Voltage: 3.8V Rated Capacity: 300mAh/1.14Wh	SET
			ш

Note: The test results of this test report relate exclusively to the test item specified in this test report. World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd does not assume responsibility for any conclusions and generalisations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report is not to be reproduced or published in full without the prior written permission.

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SAR Evaluation Report



Testing laboratory 2

Test Site	World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.
Laboratory A:	Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street,
•	Bao'an District, Shenzhen City, Guangdong Province, China
• 6	Building J-7F and Building D, Dongjiang Science & Technology Park, Tangjia
Laboratory B:	Community, Fenghuang Street, Guangming District, Shenzhen City, Guangdong
	Province, China

ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

CBTL	IECEE(international Electrotechnical Commiss,The	Laboratory A Laboratory B
CBIL	certificate registration number is TL672)	Laboratory B
China	CNAS (The certificated registration number: L3732)	Laboratory A
Cillia	(The certificated registration furfiber, £3732)	Laboratory B
USA	A2LA (The certificated registration number: 5768.01)	Laboratory A
USA	(The certificated registration number: 5708.01)	Laboratory B
USA	ANAB (The certificated registration number:AT-3951)	Laboratory A
USA	(The certificated registration number.A1-3931)	Laboratory B

Copies of granted accreditation certificates are available for downloading from our web site, http://www.wsct-cert.com

Applicant and Manufacturer

/	Applicant/Client Name:	ORAIMO TECHNOLOGY LIMITED
	Applicant Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25
7	Manufacturer Name:	ORAIMO TECHNOLOGY LIMITED [7] W5 [7]
	Manufacturer Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25

Test standard/s:

<	No.	Identity	Document Title
ſ	1	47 CFR Part 15C	Radio frequency devices intentional radiators
	2	47 CFR Part 2.1093	Radio frequency radiation exposure evaluation: portable devices
	3	KDB447498 D01	General RF Exposure Guidance v06

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Page 5 of 7

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SAR Evaluation Report



6 Test result

I .According KDB 447498 D01 4.3.1 General SAR test exclusion guidance

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition(s), listed below, is (are) satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions. The minimum test separation distance defined in 4.1 f) is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander. To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified, typically in the SAR measurement or SAR analysis report, by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, according to the required published RF exposure KDB procedures. When no other RF exposure testing or reporting are required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for SAR test exclusion. When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions; for example, handheld PTT two-way radios, handsets, laptops and tablets, etc.

a) For 100 MHz to 6 GHz and test separation distances \leq 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] ·

 $[\sqrt{f}]$ (GHz) $] \le 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, where

- 1).f (GHz) is the RF channel transmit frequency in GHz
- 2) Power and distance are rounded to the nearest mW and mm before calculation WS [7]
- 3) The result is rounded to one decimal place for comparison
- 4) The values 3.0 and 7.5 are referred to as numeric thresholds in step b) 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.

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Page 6 of 7

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W5 Report No.: WSCT-ANAB-R&E250100003A -SAR

SAR Evaluation Report

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		Channel	Conducted	Conducted	Max	Max		SAP	

	Test Mode	Channel Frequency (GHz)	Conducted power (dBm)	Conducted power (mW)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion	
7		2.402	5.41	3.48	5.50	3.55	5.00	1.100	3.00	Yes	
_	GFSK	2.441	5.48	3.53	5.50	3.55	5.00	1.109	3.00	Yes	
		2.480	5.35	3.43	5.50	3.55	5.00	1.118	3.00	Yes	
	-14	2.402	5.80	3.80	6.00	3.98	5.00	1.234	3.00	Yes	l
	π/4- DQPSK	2.441	5.79	3.79	6.00	3.98	5.00	1.244	3.00	Yes	j
	DQFSK	2.480	5.54	3.58	6.00	3.98	5.00	1.254	3.00	Yes	
		2.402	5.84	3.84	6.00	3.98	5.00	1.234	3.00	Yes	7
7	8-DPSK	2.441	5.88	3.87	6.00	3.98	5.00	1.244	3.00	Yes	f
		2.480	5.59	3.62	6.00	3.98	5.00	1.254	3.00	Yes	l

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BLE:

	Test Mode	Channel Frequency (GHz)	Conducted power (dBm)	Conducted power (mW)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
1		2.402	5.53	3.57	6.00	3.98	5.00	1.234	3.00	Yes
	BLE(1M)	2.440	5.64	3.66	6.00	3.98	5.00	1.244	3.00	Yes
		2.480	5.41	3.48	6.00	3.98	5.00	1.254	3.00	Yes
		2.402	5.57	3.61	6.00	3.98	5.00	1.234	3.00	Yes
	BLE(2M)	2.440	5.71	3.72	6.00	3.98	5.00	1.244	3.00	Yes
7		2.480	5.52	3.56	6.00	3.98	5.00	1.254	3.00	Yes

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7 Conclusion

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Page 7 of 7

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