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

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FCC RF Exposure Report

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For

ORAIMO TECHNOLOGY LIMITED

W5 [7] FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25

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SHAN MEI STREET FOTAN NT HONGKONG

Model: OTW-323

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\wedge	Test Engineer:	Xu Yihan Xulihan	
WSET	Report Number:	WSCT-ANAB-R&E241200074A-SAR	
	Report Date:	08 January 2025	
	WSET FCC1D	ZAXYP-OTW-323-L7	WSET
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X	Check By:	Zhou Yan Zhou Yan	
WSET	W5ET	WSET WSET WSE	
	Approved By:	Li Huaibi L: Hneribi	
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	Prepared By:	(Shenzhen) Co., Ltd. Building A-B,Baoli'an Industrial Park,No.58 and	
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ADD : Building A-B,Baol TEL : 0086-755-26996192		Street, Bao'an District, Shenzhen City, Guangdong Province, China. E-mail: fengbing.wang@wsct-cert.com Http: www.wsct-cert.com World Standardization Certification& Test	ing Group (Shenzhen) Co., Lt
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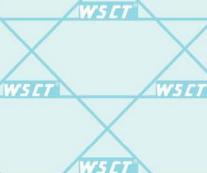
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REV.	Modification Description	Issued Date	Remark	
REV.1.0	Initial Test Report Relesse	08 January 2025	Li Huaibi	/
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General information

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1.1 Notes

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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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1.2 EUT Information

X	Device Information:		
wsci	Product Type:	True Wireless Earbuds	
	Model:	OTW-323	/
	Trade Name:	oraimo	X
	Device Type:	Portable device	SET
\searrow	Exposure Category:	uncontrolled environment / general population	
\bigtriangleup	Production Unit or Identical Prototype:	Production Unit	
W5 []	Antenna Type :	Chip Antenna	
	Device Operating Configurations:		X
	Modulation:	GFSK, π/4-DQPSK, 8-DPSK	SET
$\overline{}$	Modulation Technology:	FHSS	
$^{\times}$	Channel Separation:	BT:1MHz BLE: 1MHz	
W5[]	Operation Frequency:	2402MHz~2480MHz WSCT WSCT	- /
	Antenna Gain:	1.73dBi	Х
	Power Source:	Li-ion Battery: 802035 Voltage: 3.7V Rated Capacity: 500mAh 1.85Wh Earphone Battery: Li-ion Battery : 451012 Rated Voltage: 3.7V Rated Capacity: 35mAh 0.1895Wh	SET
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<u> </u>	2 Testing la	aboratory WSET WSET WSET				
	Test Site	World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.				
\times	Laboratory A: Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Stre Bao'an District, Shenzhen City, Guangdong Province, China					
W5 [Laboratory B:	Building J-7F and Building D, Dongjiang Science & Technology Park, Tangjia Community, Fenghuang Street, Guangming District, Shenzhen City, Guangdong				

SAR Evaluation Report

Province, China

3 ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according

to ISO/IEC 17025.

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CRI		Laboratory A
CBIL	certificate registration number is TL672)	Laboratory B
China	CNAS (The cortificated registration number: 1.2722)	Laboratory A
China	CNAS (The certificated registration number. LS752)	Laboratory B
	A2LA (The estilizated registration number: E769.01)	Laboratory A
USA	AZEA (The certificated registration number: 5708.01)	Laboratory B
	ANAR (The cortificated registration number: AT 2051)	Laboratory A
USA	ANAD (The certificated registration number.AT-3931)	Laboratory B
	CBTL China USA	China CNAS (The certificated registration number is 1L672) USA A2LA (The certificated registration number: 5768.01)

Copies of granted accreditation certificates are available for downloading from our web site, NS.

http://www.wsct-cert.com

Applicant and Manufacturer 4

/	Applicant/Client Name:	ORAIMO TECHNOLOGY LIMITED	
1	Applicant Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG	
2	Manufacturer Name:	ORAIMO TECHNOLOGY LIMITED	
	Manufacturer Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG	\times

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Test standard/s:

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	No.	Identity	Document Title	
WSC	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	1
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10 M # o A-B Baoli'an Industrial Park No 58 采圳世标检测认证股份有限公司 8-755-26996192 26996053 26996144 FAX: 0086-755-86376605

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6 Test result

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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 gualify 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)] \cdot [\sqrt{f} (GHz)] \leq 3.0 for 1-g SAR, and \leq 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 1//5 C1

3) The result is rounded to one decimal place for comparison

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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 \leq 50 mm, and for transmission frequencies between 100 MHz and 6 GHz.

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Max

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	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	
WSET		2.402	4.35	2.72	4.50	2.82	5.00	0.874	3.00	Yes	/
	GFSK	2.441	4.07	2.55	4.50	2.82	5.00	0.881	3.00	Yes	
		2.480 2.402	3.50 5.14	2.24 3.27	4.50 5.50	2.82 3.55	5.00 5.00	0.888	3.00 3.00	Yes Yes	\sim
	π/4-	2.402	4.96	3.13	5.50	3.55	5.00	1.100	3.00	Yes	\wedge
	DQPSK	2.480	4.21	2.64	5.50	3.55	5.00	1.118	3.00	Yes	
		2.402	5.44	3.50	5.50	3.55	5.00	1.100	3.00	Yes	SET
	8-DPSK	2.441	5.26	3.36	5.50	3.55	5.00	1.109	3.00	Yes	
\sim		2.480	4.66	2.92	5.50	3.55	5.00	1.118	3.00	Yes	
			\sum	4					1	Δ	
WSET B	LE:	WS			SET	$\overline{}$	WS		/ ···	SET	\checkmark
]			<u> </u>		Max	Max					X
	Test	Channel Frequency	Conducted	Conducted	tune-up	tune-up	Distanc	e Result	SAR Exclusion	SAR test	\sim
2	Mode	(GHz)	power (dBm)	power (mW)	power	power	(mm)	calculation	threshold	exclusion	Total and
		2.402	4.53	2.84	(dBm)	(mW)	5.00	0.090	3.00	Yes	SET N
\sim	BLE(1M)	2.402	4.53	2.84	5.00 5.00	3.16 3.16	5.00	0.980	3.00	Yes	
X	DEE(IW)	2.480	3.81	2.40	5.00	3.16	5.00	0.996	3.00	Yes	
		2.402	4.53	2.84	5.00	3.16	5.00	0.980	3.00	Yes	
Automa and	BLE(2M)	2.440	4.39	2.75	5.00	3.16	5.00	0.988	3.00	Yes	/
AWSLI		2.480	3.79	2.39	5.00	3.16	5.00	0.996	3.00	Yes	
	WSE	7				WSET		WIS	CT	/	VSET
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TEL: 0086-755-269961	~ ~	10144 FAX:	0086-755-86376605	E-mail: fengb	ing.wang@wsct-c	~	tp: www.wsct-cert	world Standard	ration Certification	Tasting Group(She	nzhen) Co., Ltd
Member of the WSCT G	(VISCI SA)		/		Page	7 of 7	6	/	1		
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