

JAPAN MIC

Radio Test Report

Applicant: Oura Health Oy
Elektroniikkatie 10 FI-90590 Oulu, Finland

Manufacturer: Oura Health Oy
Elektroniikkatie 10 FI-90590 Oulu, Finland

Product Name: Charger for Wellness Ring

Brand Name: OURA

Model No.: OA21

Report Number: TERF2602000653ER

Place of Testing SGS Taiwan Ltd. Central RF Lab
No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803.

Test Result PASS

Classification of Specified Radio Equipment Article 2 Clause 1 Item 19

Date of EUT Received: February 10, 2026

Date of Test: February 24, 2026 ~ March 16, 2026

Issue Date: March 30, 2026

Approved By: CHUN-CHIEH, CHEN
Chun Chieh Chen

We hereby declare that:

The data presented with this application to be true and correct; and that our testing equipment is regularly serviced and properly calibrated; and We agree to maintain records of data for a minimum of ten (10) years in our laboratory for immediate presentation upon request by the Certification Body.

Measurement was conducted by the following test method:

the test method of Ordinance Concerning Technical Regulations
Conformity Certification etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs
and Communication notification in Annex 43 of Article 88, Paragraph 1 or the test method more than
equivalent.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2602000653ER	00	Original	March 30, 2026	Karen Huang	

Note:

- 1、The remark "" indicates modification of the report upon requests from certification body.

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1 DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)

1.1 Product Description

Product Name:	Charger for Wellness Ring
Brand Name:	OURA
Model No.:	OA21
Hardware Version:	EVT 2-2
Firmware Version:	0.4.0
Power Supply:	3.87 Vdc

1.2 RF Specification

BLE 1M

Type, frequency of	F1D 2402MHz-2480MHz(Interval of 2MHz 40ch)
Transmittable radio wave and declaration output power	1.494 mW

BLE 2M

Type, frequency of	F1D 2402MHz-2480MHz(Interval of 2MHz 40ch)
Transmittable radio wave and declaration output power	1.058 mW

1.3 Antenna Designation

Antenna Type	Polarization (H or V)	Peak Gain (dBi)
Chip	H+V	-2.7

Note:

The antenna information is provided by the applicant, and the laboratory shall not be held liable for the accuracy, completeness, or reliability of any applicant-supplied data.

1.4 Assemble

Two housings are combined inaccessible by special screws. The plastic housing will be destroyed when trying to open.

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2 DESCRIPTION OF TEST

2.1 Test Conditions

Environment of Test Room	Temperature	22-26	°C
	Humidity	55-60	%

Peak Antenna Gain	-2.7	dBi
Declaration Output Power	1.494	mW
Declaration Output Power	1.745	dBm
E.I.R.P.	-0.955	dBm
Input Voltage	3.87	VDC

Tested Circuit Insertion Loss		10.72	dB
Burst	ON TIME	0.00041	sec
	OFF TIME	0.000215	sec
	Ratio	65.60	%
Packet Type (Mode)		BT LE_1M	mode

Test Category ; 2.4GHz Band Wideband Low-Power Data Communication System

Environment of Test Room	Temperature	22-26	°C
	Humidity	55-60	%

Peak Antenna Gain	-2.7	dBi
Declaration Output Power	1.058	mW
Declaration Output Power	0.245	dBm
E.I.R.P.	-2.455	dBm
Input Voltage	3.87	VDC

Tested Circuit Insertion Loss		10.72	dB
Burst	ON TIME	0.000225	sec
	OFF TIME	0.0004	sec
	Ratio	36.00	%
Packet Type (Mode)		BT LE_2M	mode

Test Category ; 2.4GHz Band Wideband Low-Power Data Communication System

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2.2 VOLTAGE VARIATION

Voltage Fluctuation Test	Normal Voltage	High Voltage + 10% of Normal Voltage	Low Voltage - 10% of Normal Voltage
Input DC Power	3.87	4.257	3.483
Output DC Power	1.807	1.807	1.807
Voltage Variation (%)	0	0	0
Note: Voltage Variation (%) = (Output High or Low Voltage - Output Normal Voltage)/Output Normal Voltage X 100			
During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1%. Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.			

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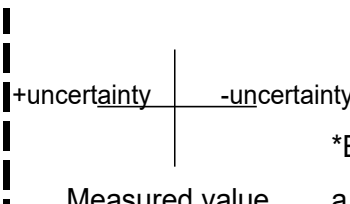
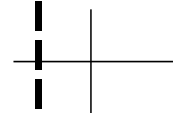
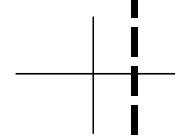
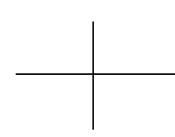
3 ABOUT UNCERTAINTY OF MEASURED VALUE

*In this test, the influence of an error or uncertainty may be done according to the following factors.

- Bias of a measurement equipment, Change by aging, Attrition, Noise
- Skill and capability of an inspector
- Environment (Temperature, Humidity)
- Dispersion in a EUT (Equipment Under Test)
- Uncertainty of calibration of a measurement equipment

Therefore, Synthetic uncertainty is calculated using "k=2" of coverage factor, and about 95% of confidence level shall be obtained.

In consideration of the above, it judged as follows.

JUDGE	Measured value and Standard limit value	
PASS	Case1	 *Even if it takes uncertainty into consideration, a standard limit value is fulfilled.
	Case2	 *Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.
FAIL	Case3	 *Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.
	Case4	 *Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.

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4 MEASUREMENT EQUIPMENT LIST

Conducted Emission Test Site: Conducted 1						
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	Calibration Authority	Cal. Method
DC Block	Mini-Circuits	BLK-18-S+	10	12/07/2025	SGS	C)
Attenuator	Mini-Circuits	BW-S10W2+	6	12/07/2025	SGS	C)
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071571	06/24/2025	ETC	C)
Power Meter	Anritsu	ML2496A	2138003	10/09/2025	ETC	C)
Power Sensor	Anritsu	MA2411B	1911393	10/09/2025	ETC	C)
Power Sensor	Anritsu	MA2411B	1911394	10/09/2025	ETC	C)
Test Software	SGS	Radio Test Software	Ver. 21	N.C.R	N/A	N/A

Note 1: The validity of measurement equipment is one year from the first day of the following month of the calibration date.

(e.g. If the calibration date is December 15th, 2014, measurement equipment can be used from December 15th, 2014 to December 31st, 2015.)

Note 2: Calibration Method

- a): Calibration conducted by the National Institute of Information and Communications Technology(NICT)(hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)
- b): Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)
- c) : Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph(1)
- d) : Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from a) to c)

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5 TEST RESULTS:

BLE 1M

Measurement Frequency		MHz	2402	2480	Limit	Result	NOTES
Channel Number		Ch.	0	39	-----	-----	
Reading Frequency		MHz	2402.021	2480.021	-----	-----	
Frequency Tolerance		ppm	8.74271	8.46774	-50 ≤ x ≤ +50	PASS	
Occupied Bandwidth		MHz	1.0757	1.0960	≤ 26 MHz	PASS	
RF Output Power		mW	1.494	1.479	≤ 10 mW	PASS	
		dBm	1.7448	1.7007	-----		
RF Output Power Tolerance		%	-0.03	-1.03	≤ 20	PASS	
Unwanted Emission Strength (TX1)	Under 2387MHz	μW/MHz	0.032509	0.033574	≤ 2.5uW/MHz	PASS	
		dBm/MHz	-44.88	-44.74	-----		
		MHz	2370.20	1739.80	-----		
	2387-2400MHz	μW/MHz	2.213095	0.007603	≤ 25uW/MHz	PASS	
		dBm/MHz	-26.55	-51.19	-----		
		MHz	2399.97	2394.69	-----		
	2483.5-2496.5MHz	μW/MHz	0.013335	0.537032	≤ 25uW/MHz	PASS	
		dBm/MHz	-48.75	-32.70	-----		
		MHz	2487.24	2483.51	-----		
	2496.5 - 12.5GHz	μW/MHz	0.431519	0.389942	≤ 2.5uW/MHz	PASS	
		dBm/MHz	-33.65	-34.09	-----		
		MHz	4804.50	4960.50	-----		
Secondarily Emitted Radio Wave Strength (RX Spurious) (RX1)	Under 1GHz	nW	1.1967	1.0093	≤ 4 nW	PASS	
		dBm/100kHz	-59.22	-59.96	-----		
		MHz	899.80	901.20	-----		
	1 - 12.5GHz	nW	4.8417	1.1376	≤ 20 nW	PASS	
		dBm/MHz	-53.15	-59.44	-----		
		MHz	1753.00	2444.00	-----		
Interference Prevention Function		-----	Good			PASS	

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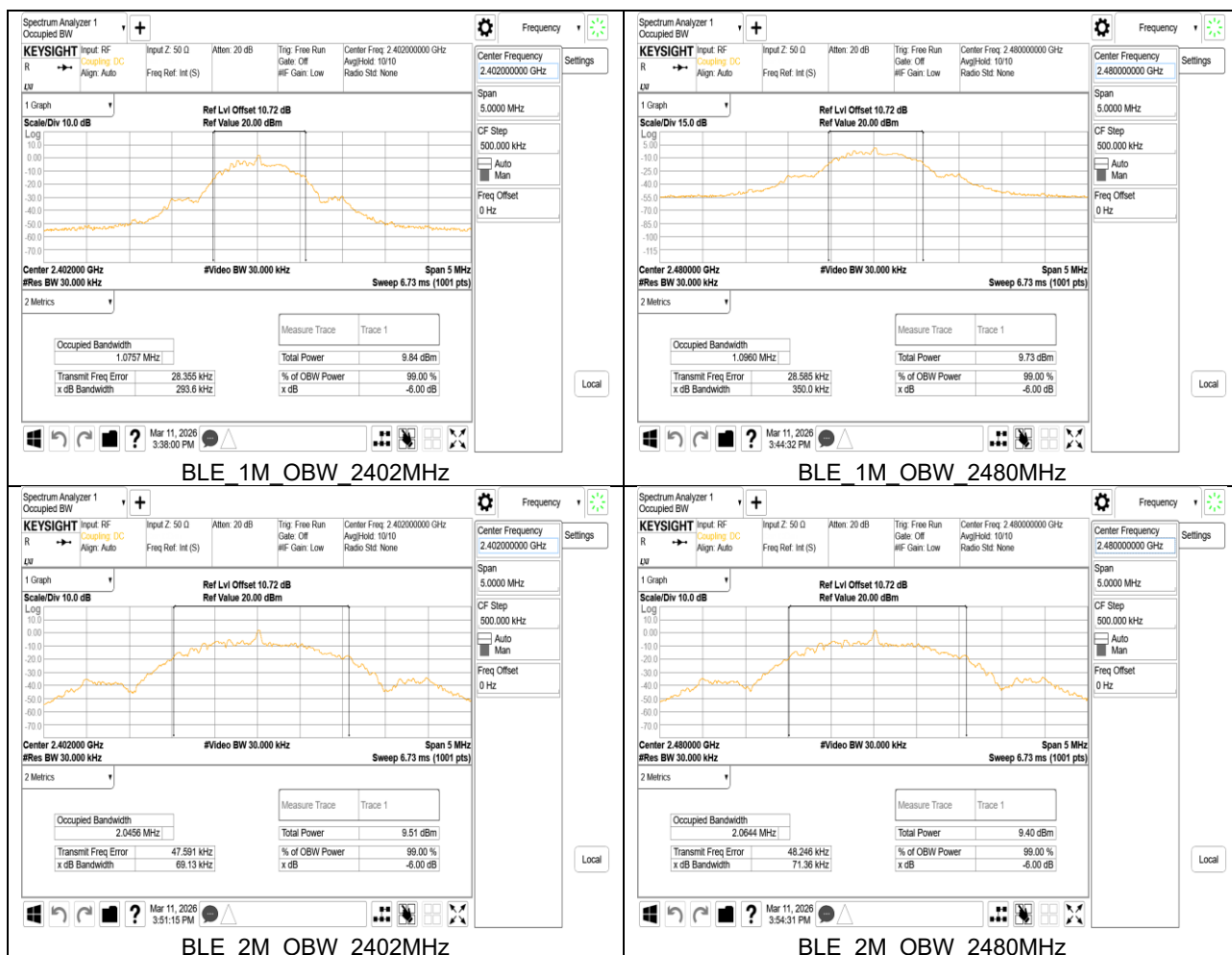
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BLE 2M

Measurement Frequency		MHz	2402	2480	Limit	Result	NOTES
Channel Number		Ch.	0	39	----	----	
Reading Frequency		MHz	2402.02	2480.021	----	----	
Frequency Tolerance		ppm	8.32639	8.46774	-50 ≤ x ≤ +50	PASS	
Occupied Bandwidth		MHz	2.0456	2.0644	≤ 26 MHz	PASS	
RF Output Power		mW	1.058	1.054	≤ 10 mW	PASS	
		dBm	0.245	0.229	----		
RF Output Power Tolerance		%	0.00	-0.38	≤ 20	PASS	
Unwanted Emission Strength (TX1)	Under 2387MHz	μW/MHz	0.024099	0.019815	≤ 2.5uW/MHz	PASS	
		dBm/MHz	-46.18	-47.03	----		
		MHz	2370.40	2375.70	----		
	2387-2400MHz	μW/MHz	12.473835	0.012735	≤ 25uW/MHz	PASS	
		dBm/MHz	-19.04	-48.95	----		
		MHz	2399.99	2398.05	----		
	2483.5-2496.5MHz	μW/MHz	0.015031	0.392645	≤ 25uW/MHz	PASS	
		dBm/MHz	-48.23	-34.06	----		
		MHz	2496.24	2483.70	----		
	2496.5 - 12.5GHz	μW/MHz	0.360579	0.349140	≤ 2.5uW/MHz	PASS	
		dBm/MHz	-34.43	-34.57	----		
		MHz	7206.50	4961.00	----		
Secondarily Emitted Radio Wave Strength (RX Spurious) (RX1)	Under 1GHz	nW	0.0008	0.0020	≤ 4 nW	PASS	
		dBm/100kHz	-90.86	-87.09	----		
		MHz	902.20	746.10	----		
	1 - 12.5GHz	nW	1.9187	1.8967	≤ 20 nW	PASS	
		dBm/MHz	-57.17	-57.22	----		
		MHz	5181.00	5173.00	----		
Interference Prevention Function		----	Good			PASS	

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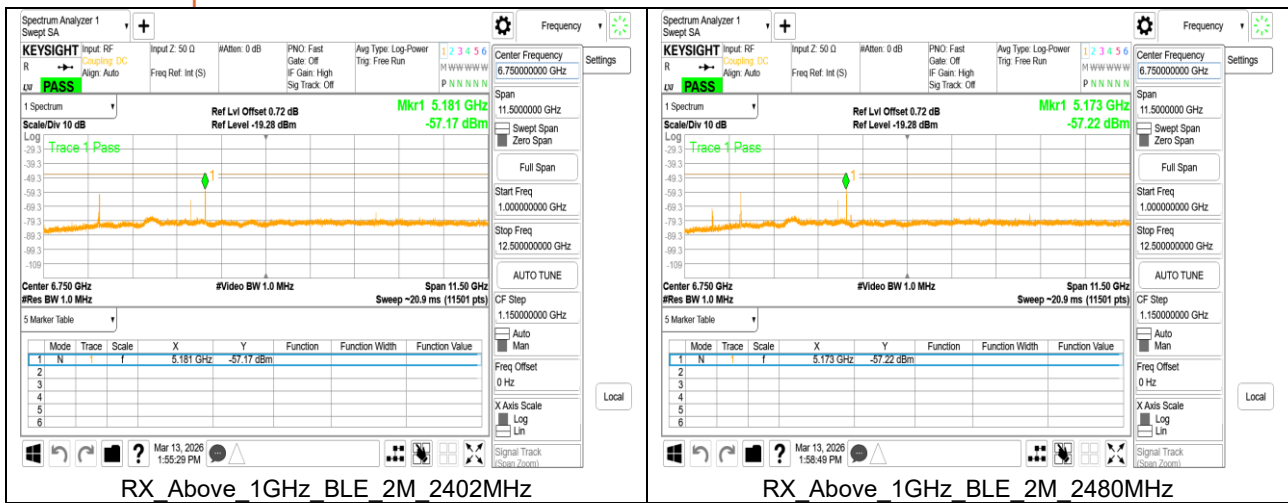
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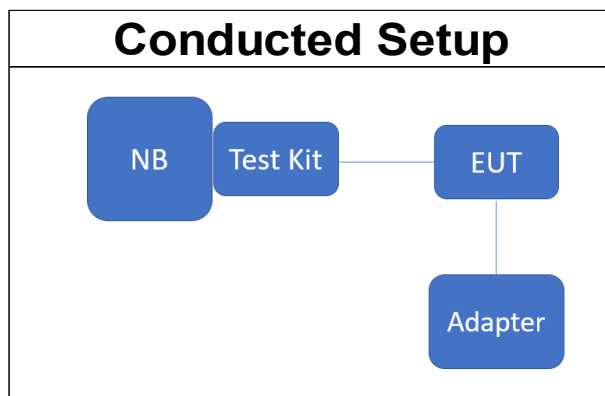
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6 TEST SET UP

6.1 Setup Diagram



~ End of Report ~

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