

RF Exposure Evaluation Declaration

Product Name : Dive computer
Trade Name : CREST
Model No. : CR-5
FCC ID : 2A2JL-EO-CR-5

Applicant : Eight Oceans Precision Industry Co., Ltd
Address : 10F.-10, No. 14, Lane 609, Section 5, Chongxin Road.,
Sanchong Dist., New Taipei City 24159, Taiwan 24159

Date of Receipt : Jan. 27, 2021
Issued Date : Nov. 10, 2021
Report No. : 2140963R-E3082100014
Report Version : V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

The test report shall not be reproduced except in full without the written approval of DEKRA Testing and Certification Co., Ltd.

Test Result for Inspection



Product Name : Dive computer

Applicant : Eight Oceans Precision Industry Co., Ltd

Address : 10F.-10, No. 14, Lane 609, Section 5, Chongxin Road., Sanchong
Dist., New Taipei City 24159, Taiwan 24159

Manufacturer : TRANSYSTEM INC.

Address : 3F, NO.31, Ke Jung Rd., Hsinchu Science Park, Chu-Nan, Miao-Li
350, Taiwan

Trade Name : CREST

Model No. : CR-5

FCC ID : 2A2JL-EO-CR-5

EUT Voltage : DC 5V (host equipment)
DC 3.8V for battery

Testing Voltage : DC 5V

Applicable Standard : KDB 447498 D01 v06 ☐ Minimum test separation distance ≥ 20 cm
☒ For low power devices

Laboratory Name : Hsin Chu Laboratory

Address : No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County
310, Taiwan, R.O.C.
TEL: +886-3-582-8001 / FAX: +886-3-582-8958

Test Result : Complied

Approved By :



(Louis Hsu / Deputy Manager)

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Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Nov. 10, 2021

1. General Information

1.1. EUT General Information

RF General Information			
Evaluation Mode	Frequency Range (MHz)	Operating Frequency (MHz)	Modulation Type
Bluetooth	2400-2483.5	2402-2480	GFSK

Note: The above EUT information is declared by the manufacturer.

1.2. Test Facility

Laboratory Information

USA : FCC Registration Number: TW3024
Canada : CAB identifier : TW3024

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: <http://www.dekra.com.tw>

If you have any comments, please don't hesitate to contact us. Our test sites as below:

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
Address	1. No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. 2. No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.
Phone number	1. +886-3-582-8001 2. +886-3-582-8001
Fax number	1. +886-3-582-8958 2. +886-3-582-8958
E mail address	info.tw@dekra.com
Website	http://www.dekra.com.tw
Note: Test site number for address 1 includes SR2-H. Test site number for address 2 includes CB2-H, CB3-H, CB4-H, SR10-H and SR12-H.	

2. RF Exposure Evaluation

2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section 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.

2.2. Test Result of RF Exposure Evaluation

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 (Power(mW)/separation (mm)*sqrt(f(GHz)≤3.0), SAR is required as shown in the table below where calculated values are greater than 3.0:

Evaluation Mode	Frequency (MHz)	Maximum Conducted Output Power (dBm)	Maximum Conducted Output Power (mW)	Calculated Threshold Value (≤3.0 SAR is not required)	PASS / FAIL
Bluetooth LE	2402	-2.59	0.55	0.171	PASS

Operation frequency = 2450MHz and antenna separation distance = 5mm

Body SAR Test Exclusion Threshold = 10mW

Antenna Gain: -1.36 dBi

Note:

1. The above EUT information is declared by the manufacturer.
2. The SAR/MPE measurement is not necessary.
3. The results are evaluated using the maximum power.
4. Reference to DEKRA Project No.: 20C0852R.