





Test Report No:  
2440648R-RFUSV17S-A

## RF EXPOSURE EVALUATION DECLARATION

<b>Product Name</b>	BLE CABLE SEAL	
<b>Brand Name</b>	Tydenbrooks	
<b>Model No.</b>	720210122-03, 720210722-03	
<b>FCC ID</b>	2BGGJITX720210XX2	
<b>Applicant's Name / Address</b>	iTracXing Technology Co., Ltd. No. 20-B1, Aly. 1, Ln. 768, Sec. 4, Bade Rd., Nangang Dist., Taipei City 11577 , Taiwan	
<b>Manufacturer's Name / Address</b>	Action Star Technology Co., Ltd. 10F, No. 155, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221 Taiwan (R.O.C.)	
<b>Test Method Requested, Standard</b>	KDB 447498 D01 v06	<input type="checkbox"/> Minimum test separation distance $\geq$ 20 cm <input checked="" type="checkbox"/> For low power devices
<b>Verdict Summary</b>	IN COMPLIANCE	
<b>Documented By</b>	 Hailey Peng	
<b>Approved By</b>	 Rueyyan Lin	
<b>Date of Receipt</b>	Apr. 23, 2024	
<b>Date of Issue</b>	Jun. 04, 2024	
<b>Report Version</b>	V1.0	

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## Competences and Guarantees

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DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

**IMPORTANT:** No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

## General Conditions

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1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. 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.

## Revision History

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Version	Description	Issued Date
V1.0	Initial issue of report	Jun. 04, 2024

## 1. General Information

### 1.1. EUT Description

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

The difference for each model is shown as below:

Model No.	Length of Cable	Description
720210122-03	12"	All models are identical except for the length of cable
720210722-03	72"	

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

### 1.2. Testing Location Information

Testing Location Information		
Test Laboratory : DEKRA Testing and Certification Co., Ltd.		
1 (TAF: 3024)	ADD: No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001      FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC.	
2 (TAF: 3024)	ADD: No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001      FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC.	
Test site number for address 1 includes HC-SR02. Test site number for address 2 includes HC-CB02, HC-CB03, HC-CB04, HC-SR10 and HC-SR12.		

## 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)	E.I.R.P (dBm)	E.I.R.P (mW)	Calculated Threshold Value (≤3.0 SAR is not required)	Test Result (PASS/FAIL)
Bluetooth LE	2402	-5.200	0.302	0.094	PASS

Operation frequency = 2402 MHz and antenna separation distance = 5mm

SAR Testing Exemption Threshold = 10mW

Antenna Gain: 1.78 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.