

# ISED RF Exposure Report

**IC** : 3147A-602230C  
**Equipment** : 802.11 ac/a/b/g/n M.2 2230 + Bluetooth 4.2 module  
**Model No.** : ST60-2230C  
(please refer to section 1.1.1 for more details.)  
**Brand Name** : Ezurio  
**Applicant** : Ezurio LLC  
**Address** : W66N220 Commerce Court, Cedarburg, WI  
53012 United States Of America  
**Manufacturer** : Ezurio LLC  
**Address** : W66N220 Commerce Court, Cedarburg, WI  
53012 United States Of America  
**Standard** : RSS-102 Issue 6 December 15, 2023  
**Received Date** : Apr. 07, 2017  
**Tested Date** : Apr. 12 ~ May 10, 2017

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Approved by:

  
Along Chen / Assistant Manager

  
Gary Chang / Manager

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## Table of Contents

<b>1</b>	<b>GENERAL DESCRIPTION .....</b>	<b>4</b>
1.1	Information.....	4
<b>2</b>	<b>EXEMPTION LIMITS FOR ROUTINE EVALUATIONS .....</b>	<b>5</b>
2.1	FIELD REFERENCE LEVEL EXPOSURE EXEMPTION LIMITS.....	5
2.2	DEVIATION FROM TEST STANDARD AND MEASUREMENT PROCEDURE .....	5
2.3	MEASUREMENT UNCERTAINTY .....	5
2.4	MPE EVALUATION RESULTS .....	6
<b>3</b>	<b>TEST LABORATORY INFORMATION .....</b>	<b>7</b>

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## Release Record

Report No.	Version	Description	Issued Date
CA740701	Rev. 01	Initial issue	Dec. 03, 2024

# 1 General Description

## 1.1 Information

### 1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
Ezurio	ST60-2230C	802.11 ac/a/b/g/n M.2 2230 + Bluetooth 4.2 module	For marketing purpose
	SU60-2230C		
✦ The above models, model ST60-2230C was selected as a representative one for the final test and only its data was recorded in this report.			

## 2 Exemption limits for routine evaluations

### 2.1 FIELD REFERENCE LEVEL EXPOSURE EXEMPTION LIMITS

Field reference level (FRL) exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm (i.e. mobile devices), except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 1 W (adjusted for tune-up tolerance)
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than  $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where  $f$  is in MHz
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance)
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than  $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where  $f$  is in MHz
- at or above 6 GHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 5 W (adjusted for tune-up tolerance)

### 2.2 DEVIATION FROM TEST STANDARD AND MEASUREMENT PROCEDURE

None

### 2.3 MEASUREMENT UNCERTAINTY

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ( $k=2$ )).

Parameters	Uncertainty
Conducted power	$\pm 0.808$ dB

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and Explanations:</b>
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

## 2.4 MPE EVALUATION RESULTS

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Tune up Power Limit (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	*Ratio	Pass / Fail
WLAN								
2412-2462	21.41	21.5	2.79	24.29	0.269	2.684	0.100	Pass
5180-5240	16.94	17	3.9	20.9	0.123	4.525	0.027	Pass
5260-5320	18.92	19	3.9	22.9	0.195	4.573	0.043	Pass
5500-5720	20.01	20.5	4.0	24.5	0.282	4.714	0.060	Pass
5745-5825	21.28	21.5	4.0	25.5	0.355	4.857	0.073	Pass
BT								
2402-2480	10.79	11	2.79	13.79	0.024	2.676	0.009	Pass

### 3 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

#### **Linkou**

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(R.O.C.)

#### **Kwei Shan**

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City 33381, Taiwan (R.O.C.)

#### **Kwei Shan Site II**

Tel: 886-3-271-8640

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If you have any suggestion, please feel free to contact us as below information.

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