

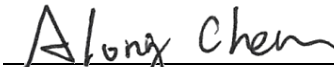
ISED RF Exposure Report

IC : 3147A-BL54L15
Equipment : Bluetooth LE + 802.15.4 + NFC module
Model No. : BL54L15
Brand Name : Ezurio
Applicant : Ezurio LLC
Address : W66N220 Commerce Court, Cedarburg, WI
53012, USA
Manufacturer : Ezurio LLC
Address : W66N220 Commerce Court, Cedarburg, WI
53012 United States Of America
Standard : RSS-102 Issue 6 December 15, 2023
Received Date : Dec. 20, 2024
Tested Date : Dec. 25 ~ Dec. 26, 2024

We, International Certification Corporation, 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 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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Release Record

Report No.	Version	Description	Issued Date
CA4D2002	Rev. 01	Initial issue	Jan. 23, 2025

1 Exemption limits for routine evaluations

1.1 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)

1.2 DEVIATION FROM TEST STANDARD AND MEASUREMENT PROCEDURE

None

1.3 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	± 0.808 dB

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
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.

1.4 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
2402-2480 BLE	6.77	7.0	2.4	9.4	0.009	2.676	0.003	Pass
2405-2480 802.15.4	6.72	7.0	2.4	9.4	0.009	2.679	0.003	Pass

*Ratio = EIRP / Limit.

2 REFERENCE INFORMATION

SAR evaluation is not considered if separation distance between antenna installed in host and human body is higher than or equal to minimum separation distance as below

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Maximum Tune Up Limit		Antenna Gain (dBi)	EIRP		Minimum separation distance (mm)
		(dBm)	(mW)		(dBm)	(mW)	
2402-2480 BLE	6.77	7.0	5.01	2.4	9.4	8.71	11
2405-2480 802.15.4	6.72	7.0	5.01	2.4	9.4	8.71	11

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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No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
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City 33381, Taiwan (R.O.C.)

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

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