


RF Exposure Evaluation Report

FCC ID : MG3-R329451A00
Equipment : Innovative Systems Logan RCU
Brand Name : Universal Electronics
Model Name : Innovative Systems Logan RCU
Applicant : Universal Electronics
15147 N Scottsdale Rd Ste H300, Scottsdale, AZ 85254
Manufacturer : Universal Electronics
15147 N Scottsdale Rd Ste H300, Scottsdale, AZ 85254
Standard : 47 CFR Part 2.1093

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 2.1093 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3786) and the FCC designation No. TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full



Approved by: Cona Huang / Deputy Manager



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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA250401002	Rev. 01	Initial issue of report	May 29, 2025

1. General Information

1.1 Description of Device Under Test (DUT)

Product Feature & Specification	
EUT Type	Innovative Systems Logan RCU
Brand Name	Universal Electronics
Model Name	Innovative Systems Logan RCU
FCC ID	MG3-R329451A00
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2483.5 MHz
Mode	Bluetooth LE
HW Version	60442-5083000 A00

Reviewed by: Jason Wang

Report Producer: Daisy Peng

2. Maximum RF output power among production units

Average power (dBm)	
BLE	8

3. RF Exposure Evaluation

Exposure Condition	Wireless Tech.	Burst Average Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	1g / 10g SAR Calculated Threshold	Limit of Threshold
Next To Mouth	BLE	8	6.31	10	2.48	1	3
Extremity	BLE	8	6.31	0	2.48	2	7.5

General Note:

- Per KDB 447498 D01v06 the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
 - f(GHz) is the RF channel transmit frequency in GHz
 - Power and distance are rounded to the nearest mW and mm before calculation
 - The result is rounded to one decimal place for comparison

Conclusion: Per KDB 447498 D01v06, the BLE SAR test exclusion is compliant