



1355 W Innovation Way, STE 125
Lehi, UT 84043

Radio Maximum Permissible Exposure (MPE) Test Report - Certification

FCC ID:	2AJAC-C4LUX2
IC:	7848A-C4LUX2
Equipment Under Test:	C4-L-MDIM
Test Report Serial Number:	309-1013-06-01
Report Issue Date:	May 26, 2026

Test Specification	Applicant
FCC 47 CFR Volume 1, Section 1.1310 FCC 47 CFR Part 2: Subpart J Section 2.1091 FCC OET Bulletin 67 Edition 97-01 ISED RSS-102 Issue 6 (December 15, 2023)	Snap One LLC 1355 West Innovation Way STE 125 Lehi, UT 84043 U.S.A.



Certification of Engineering Report

This report has been prepared by Snap One LLC to document compliance of the device listed below with the requirements of Federal Communication Commission (FCC) Part 15, Subpart J Section 2.1091 and Innovation, Science and Economic Development (ISED) RSS-102. This report may be reproduced in full. Partial reproduction of this report may only be made with the written consent of the laboratory. The results in this report only apply to the sample tested.

Applicant:	Snap One LLC
Manufacturer:	Snap One LLC
Brand Name:	Control4
Model Number:	C4-L-MDIM
FCC ID:	2AJAC-C4LUX2
IC:	7848A-C4LUX2

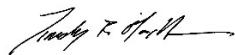
On this 26th of May 2026, I individually and for Snap One LLC certify that the statements made in the engineering report are true, complete, and correct to the best of my knowledge and are made in good faith.

Although A2LA has accredited the Snap One LLC testing facilities, this report must not be used to claim product certification, approval, or endorsement by A2LA, NIST or any agency of the U.S. federal government.

Snap One LLC



Written By: Michaela Babcock
Title: Associate Compliance Engineer



Reviewed By: Timothy R. O'Loughlin
Title: Principal Hardware Engineer

Revision History		
Revision	Description	Date
01	Original Report Release	May 26, 2026

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1. Client Information

1.1. Applicant

Company:	Snap One LLC 1355 West Innovation Way STE 125 Lehi, UT 84043 U.S.A.
Contact Name:	Timothy R. O'Loughlin
Title:	Principal Hardware Engineer
Contact e-mail	Tim.OLoughlin@adiglobal.com

1.2. Manufacturer

Company:	Snap One LLC 1355 West Innovation Way STE 125 Lehi, UT 84043 U.S.A.
Contact Name:	Timothy R. O'Loughlin
Title:	Principal Hardware Engineer
Contact e-mail	Tim.OLoughlin@adiglobal.com

1.3. Party Responsible for Declaration of Conformity

Company:	Snap One LLC 1355 West Innovation Way STE 125 Lehi, UT 84043 U.S.A.
Contact Name:	Timothy R. O'Loughlin
Title:	Principal Hardware Engineer
Contact e-mail	Tim.OLoughlin@adiglobal.com

2. Equipment Under Test

2.1. Identification of EUT

Brand Name:	Control4
Model Number(s):	C4-L-MDIM
Difference Between Model Numbers:	N/A
FCC ID:	2AJAC-C4LUX2
IC:	7848A-C4LUX2
Operating Frequency (MHz):	2400 – 2483.5
No of Channels:	16 (see section 2.3 for list of frequencies)
Antenna Gain (dBi):	1.84
Software Power Setting (dBm):	18
Serial Number/ MAC Address:	ST254605F00151C250 / 000FFF00000E4FE7
Ratings/ Power Supply:	120-240 VAC, 50/60 Hz, 600 W
PCB Revision:	A.0
Schematic Revision:	A.0
Dimensions (H x W x D) (mm):	130 x 450 x 400

2.2. Description of EUT

This report covers the circuitry of the device subject to FCC Part 15, Subpart J and ISSED RSS-102. The circuitry of the device subject to FCC Part 15, Subpart C and ISSED RSS-247 was found to be compliant and is covered under a separate DNB Engineering, Inc. test report UT66068A-001. The data used for this MPE evaluation was derived from the measurements in the DNB Engineering, Inc. test report UT66068A-001

2.3. Carrier Frequency and Channel

The channel map for the Zigbee protocol follows, with evaluated channels in bold italics:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
<i>11</i>	<i>2405</i>	15	2425	19	2445	23	2465
12	2410	16	2430	20	2450	24	2470
13	2415	17	2435	21	2455	25	2475
14	2420	<i>18</i>	<i>2440</i>	22	2460	<i>26</i>	<i>2480</i>

3. Test Specification, Method, and Procedures

3.1. Test Specification

Title	FCC 47 CFR Volume 1, Section 1.1310 FCC 47 CFR Part 2: Subpart J Section 2.1091 ISED RSS-102 Issue 6 (December 15, 2023)
Test Methods	FCC OET Bulletin 67 Edition 97-01
Purpose of Test	The tests were performed to demonstrate initial compliance

3.2. Summary of Tests - FCC Part 2 Subpart J and RSS-102

FCC Ref. Std. Clause	ISED Ref. Std. Clause	Test Item	Frequency Range (MHz)	Result
2.1091	RSS-102	MPE Evaluation of Mobil Devices	2400 to 2483.5	Complied

3.3. Test Result

In the configuration tested, the EUT complied with the requirements of the specification.

3.4. Test Facilities

Testing was performed at the Snap One LLC test lab 1355 W Innovation Way, STE 125 Lehi, UT USA 84043.

Certified by A2LA, USA

Registration Number: 7438.01

This certificate is valid until: May 31, 2027

4. MPE Evaluation of Mobile Devices

4.1. FCC & ISED Limits for General Population/Uncontrolled Exposure

FCC LIMITS

Frequency Range (MHz)	Power Density (mW /cm ²)	Averaging Time (minutes)
300-1500	F/1500	30
1500-100000	1	30

ISED LIMITS

Frequency Range (MHz)	Power Density (W /m ²)	Averaging Time (minutes)
300-6000	$0.02619f^{0.6834}$	6
6000-15000	10	6

4.2. Test Results / Calculations

FCC MPE EVALUATION FORMULA

$$Pd = \frac{Pt}{4 * \pi * R^2}$$

Where

Pd= Power density in mW/cm²

Pt= EIRP in mW

Pi= 3.1416

R= Measurement distance

FCC MPE Evaluation Results

Frequency (MHz)	Maximum Conducted Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm)	E.I.R.P (mW)	Measurement Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Pass / Fail
2405	16.07	1.84	17.91	61.80	20	0.0122	1	Pass
2440	15.31	1.84	17.15	51.88	20	0.0103	1	Pass
2480	14.23	1.84	16.07	40.46	20	0.0080	1	Pass

Result

The maximum power density measured for this device was 0.0122 mW/cm². The limit is 1 mW/cm²; therefore, the EUT complied with the requirements of the specification.

ISED MPE EVALUATION FORMULA

$$Pd = \frac{Pt}{4 * \pi * R^2}$$

Where

Pd= Power density in W/m²

Pt= EIRP in W

π= 3.1416

R= Measurement distance

ISED MPE Evaluation Results

Frequency (MHz)	Maximum Conducted Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm)	E.I.R.P (mW)	Measurement Distance (m)	Power Density (W/m ²)	Limit (W/m ²)	Pass / Fail
2405	16.07	1.84	17.91	61.80	0.2	0.123	10	Pass
2440	15.31	1.84	17.15	51.88	0.2	0.103	10	Pass
2480	14.23	1.84	16.07	40.46	0.2	0.080	10	Pass

Result

The maximum power density measured for this device was 0.123 W/m². The limit is 10 W/m²; therefore, the EUT complied with the requirements of the specification.

4.3. Deviation, Opinions, Additional Information, or Interpretations from Test Standard

There were no deviations, opinions, additional information, or interpretations from the test specification.