

FCC RF EXPOSURE REPORT

FCC ID: 2ALSZ-CL3100N

Report No. : BTL-FCCP-3-2010T074
Equipment : Photocontroller
Model Name : ISLC3100-7P-N
Brand Name : CIMCON
Applicant : CIMCON Lighting, Inc.
Address : 200 Summit Drive, Suite 500, South Tower, Burlington,
Massachusetts, United States 01803

Radio Function : LTE

FCC Rule Part(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

Date of Receipt : 2020/10/22
Date of Test : 2020/10/22 ~ 2020/11/20
Issued Date : 2021/1/14

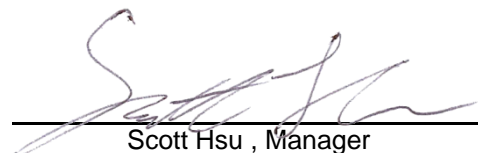
The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

Prepared by :


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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue	2020/12/25
R01	Revised report to address TCB's comments.	2021/1/14

MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

where:


S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna:

Antenna	Manufacture	P/N	Type	Connector	Gain (dBi)	Note
1		W3419BXXXX	FPC	I-PEX	4.54	LTE Band 2
					4.68	LTE Band 4
					-3.66	LTE Band 12

Output power including tune up tolerance

Function	Target power (dBm)	Tolerance (dB)	Maximum power (dBm)
WWAN NBIOT	23	1.5	24.5

TEST RESULTS

Mode	Band	Frequency (MHz)	Antenna Gain (dBi)	Max. Output Power (dBm)	Power Density (mW/cm ²)	Limit of Power Density (mW/cm ²)	Test Result
LTE	Band 2	1880.0	4.54	24.5	0.1595	1.0000	Complies
LTE	Band 4	754.8	4.68	24.5	0.1647	0.5032	Complies
LTE	Band 12	699.2	-3.66	24.5	0.0241	0.4661	Complies

Note: The calculated distance is 20 cm.

EUT PHOTO

Please refer to document Appendix No.: EP-2010T074-1 (APPENDIX-EUT PHOTOS).

End of Test Report

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